



B02i
Fundering Opslagtanks



Plant Description Carbon Capture Storage Plant, Sluiskil		
Linde Project No. 3710 A3T8	Client Project No. 16471	
Linde Project Code Sluiskil	Client Project Code CACTUS	
Linde Doc. No. 0542FA5490 2002 C-CS 1005 (EN)	Client Doc. No. 16471-Y16-00008	Client Revision 00

PRE-CALCULATION FOR PILING AND MAIN FOUNDATIONS for STORAGE TANKS

	Vendor Doc. No.	
	Vendor Revision	

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1. Constructive principles

1.1. General principles

1.1.1. Basic

This document contains the preliminary design calculation for the Storage Tank Area of the "YARA CCS" project at the YARA SLUISKIL PLANT. The following principles are applied:

- Calculations are performed in 3D as much as possible, with 2D controls.
- The main calculation of the structure is performed by using the 3D finite element program Scia Engineer
- Detail calculations are performed by using programs as GEO5 (piling), IDEA StatiCA (steel connections)
- The cross-section and stability checks of the various beam and plate elements are performed within the program according to Eurocode. Which are supplemented with checks via verified Excel worksheets.

In this report, in addition to a description of the further design principles, a description is given of the structural design, whereby the design of the supporting structure is recorded by means of images.

In addition to the profiles for the main construction, the starting points for the final design are provided.

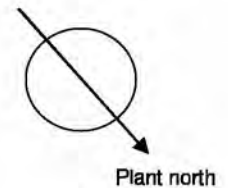
1.1.2. General project data

As part of the larger YARA CCS project, partial reports are prepared of construction parts for the tender phase in which this project currently is.

The design in this document contains the foundation and pile design for the Storage tanks of the CCS project. Also the stairtower + topplatforms on top of the tanks are designed. The design of the tanks is out of the scope of this document.

The storage area is located to the plant south side of the project area.

In this calculation, a global test is made of the construction, whereby the principles are checked for feasibility. Also the steel section sizes/shape and starting points for the connection design are provided for the tender phase. In addition, a preliminary design of the basic reinforcement is made, which is the basis for the kg/m³ ratio for the tender documents.



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1.1.4. Set-up structure

The set-up of the various components is in accordance with the main calculation.

The determination of the weights, and other structures according to weight calculation §"5. Loads on structure".

1.1.5. Mechanics of the structure

The structure is considered to be statically undetermined, due to the springsupports for the foundationpiles, as well as the continius foundationbeam. Also the foundation slab is modelled as 2D element.

1.2. Purpose of the report / Principles of calculation / Execution Requirements

1.2.1. Purpose of the report / Principles of calculation

The purpose of the underlying document is to show that the calculated structure complies with the conditions laid out by the applicable Laws/codes/company standards. For this the following principles are applied:

The distribution of forces in the beams and the reaction forces are determined by a finite element model, consisting of all primary components (columns, beams and bracings).

Eccentricity and offsets of bars are modelled if these differences between the actual operating points is greater than 25% of the column or beam size.

Checks of deflection, displacement, etc. are performed by the calculator program. Additional checks are provided where required, by means of Excel sheets of other programs. The forces / displacements used in these checks are according to the results of the main 3D model.

1.2.2. Execution requirements

1.2.2.1. Steel

Basic execution in accordance with EN 1090-1 + NA & EN 1090-2 + NA

Material -> according to EN 10025 + NA, min. quality according to §4.1.

Bolts -> calculated acc. ISO 4017 (fully threaded), execution with bolts acc. ISO 4014 (partially threaded)

Nuts -> nuts grade 8 for 8.8 bolts, grade 10 for 10.9 bolts

According EN 1993-1-8 3.6.1 +NA (12) the max. shim thickness of $\frac{1}{3}$ * bolt diameter may be used unless the calculations specifies a larger value.

For instance, the maximum shim thicknes for a M30 is $30/3 = 10$ mm.

Connections are categorized in Category A and/or Category D of EN 1993-1-8 3.4 + NA.

If prestressed connections are applied then these categorized in Category C and Category E of EN 1993-1-8 3.4 + NA.

1.2.2.2. Concrete

Concrete works should be carried out in accordance with EN 13670 + NA

Material -> according to EN 206-1 +NA, min. quality according to §4.1.

The workability of the concrete is determined by the contractor. The chosen plasticity should be attuned to the implementation method , however, taking into account the permissible water / cement ratio with respect to the environmental class .

Finishes of the various elements, if applicable must be included on the drawings and should take minimum concrete cover into account.

1.2.2.3. Foundations

Pile foundations must be carried out in accordance with EN 1997-1 +NA, in combination with the requirements of the NEN 6742 and the implementation of the chosen pile type standard.

For further requirements see §8.2.4. Execution of foundation on piles

1.3. Software

The following software is used in the execution of the work:

Microsoft Office Excel

Microsoft Office Word

Scia Engineer

See output for current version

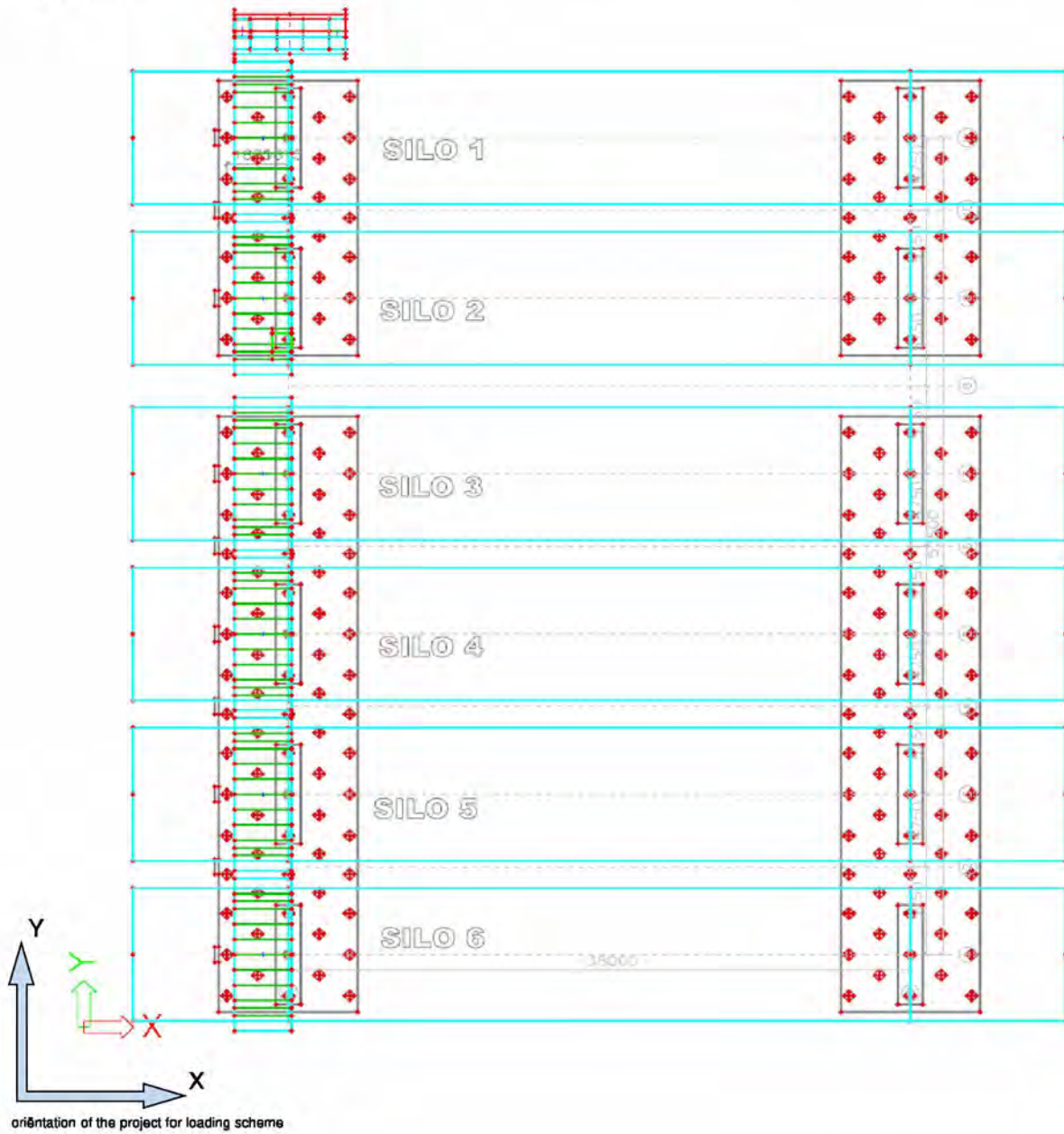
GEO5 Pile CPT

See output for current version

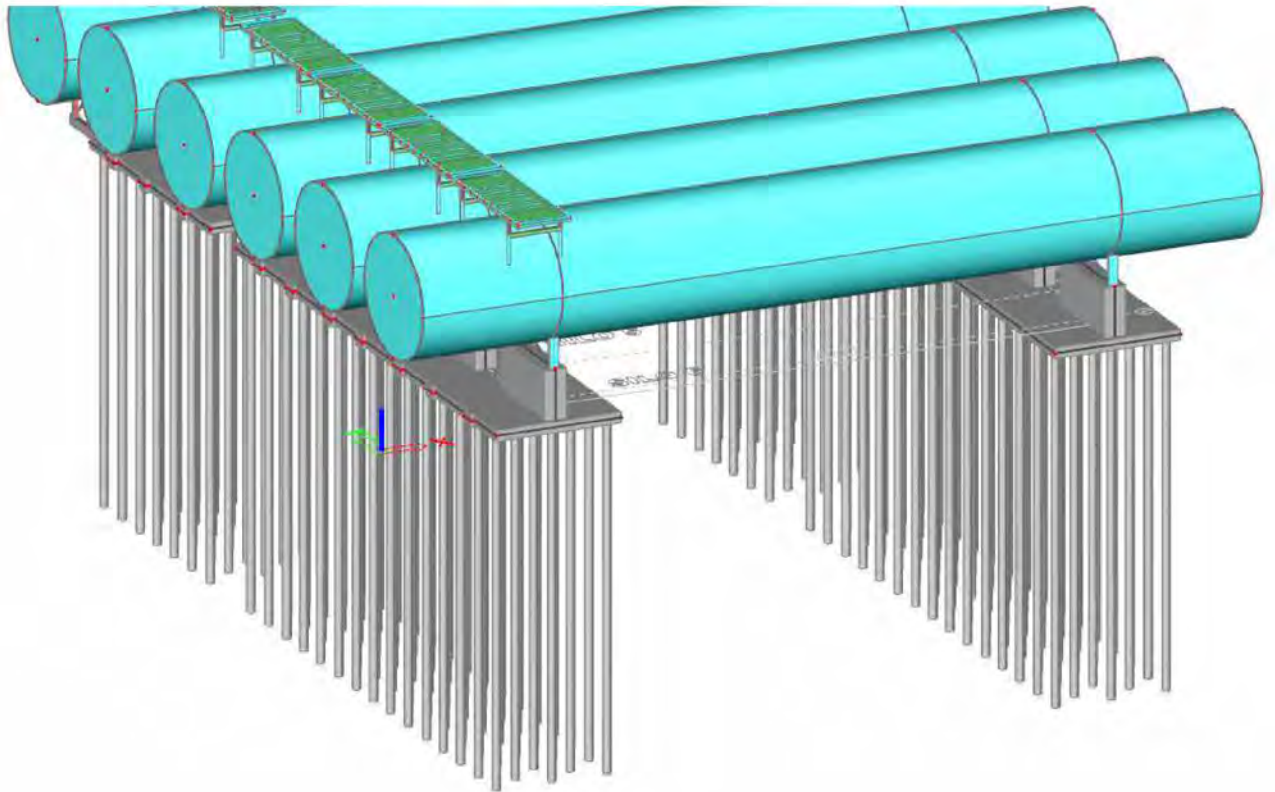
IDEA StatiCa CONNECTION

See output for current version

1.4. Design overview



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2. General

2.1. Remarks

This report contains constructive calculations and principle sketches and constraints.

These calculations are both (in if possible) in 3D done with any 2D controls for the most accurate possible understanding of the structure, the forces and displacements.

It is recommended to mention these principle sketches and conditions on the relevant applicable drawings before start of construction. So that the instructions in this document are properly handled on site.

The overall alignment and accuracy on the basis of the data have being issued to us is outside of our responsibility.

The assumptions made in this report should be monitored (on site) and, if necessary, be fed back.

If abnormalities are found with this report, or unexpected findings on site are established, these should be reported as soon as possible to the structural engineer His instructions with regard to these findings should be followed, or a suitable alternative is to be provide as an alternative, which is to be submitted for approval.

The builders of the project are expected to work with skill and good constructive insight. They must be aware of all the applicable performance standards.

On all our advice set out in both calculations, mail or telephone are the standard conditions of our tender applicable in respect to of the relationship between the client and advisory engineering : The DNR 2011 with the supplement provision, as stated in the quote / on the website.

2.2. System of units / coordinate system

2.2.1. Used system of units

Unless noted otherwise the following units are used throughout this calculation:

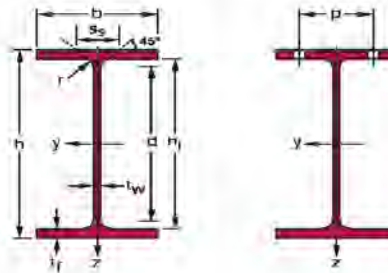
General dimensioning	in mm
Spans	in m ¹
Areas	in mm and/or mm ²
Loads	in kN/m ² , in kN/m and/or in kN
Spring constant	in kN/m and/or in MNm/rad
Stress	in N/mm ² and/or Mpa
Section modulus	in mm ³
Deflections	in mm and/or mrad

2.2.2. Coordinate system

The coordinate system used for 3D calculation consists of the X-axis and Y-axis in the horizontal plane and the Z-axis as the vertical axis.

2.2.3. Notation of forces

Direction of force	Unit
+ N = Tension in connection / beam	kN
- N = Compression in connection / beam	kN
V _y = Shear in weak axis connection / beam	kN
V _z = Shear in strong axis connection / beam	kN
M _x = Torsion in connection / beam	kNm
M _y = Moment in strong axis of connection / beam	kNm
M _z = Moment in weak axis of connection / beam	kNm



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2.3. Applicable Standards / Literature

The calculations are performed in accordance with the Eurocode (EN) in conjunction with the applicable National Annex (NA)

The applicable main standards (bold & italic) are:

EN 1990 +NA	Basic code for structural design
EN 1991 +NA	Code for Actions/Loads on structures
EN 1992 +NA	Code for design of Concrete structures
EN 1993 +NA	Code for design of Steel structures
EN 1994 +NA	Code for Hybride Steel-Concrete design
EN 1995 +NA	Code for design of Timber structures
EN 1996 +NA	Code for design of Masonry structures
EN 1997 +NA	Code for Geotechnical design
EN 1998 +NA	Code for design of Earthquake resistance
EN 1999 +NA	Code for design of Aluminium structures

A full overview of the applicable main / sub codes are provided in appendix E

Also in appendix E an overview of the applicable standards for execution, materials and connections, as well as an overview of the used professional literature can be found.

In some instances the calculation will refer to the NA of other countries / old codes. This is done for special cases, where design data (such as ψ -values for, for example, execution) are missing. In these cases the National Annex / Codes of other countries / withdrawn codes are used.

Yara Specifications:

Nr.	Name	Rev.:	Date:
10000-Y50-00026	SPECIFICATION FOR CIVIL AND STRUCTURAL STEEL DESIGN	5.0	22-2-2021
10000-Y50-00028	SPECIFICATION FOR ARCHITECTURAL DESIGN	7.0	22-2-2021
10000-Y50-00029	SPECIFICATION FOR PILING	6.0	10-10-2019
10000-Y50-00032	SPECIFICATION FOR ACID PROOFING	4.0	7-5-2021
10000-Y50-00033	SPECIFICATION FOR ANCHORING IN CONCRETE	03M	8-10-2019
10000-Y50-00034	SPECIFICATION FOR CLADDING	4.0	18-6-2021
10000-Y50-00035	SPECIFICATION FOR CONCRETE WORKS	8.0	5-5-2021
10000-Y50-00036	SPECIFICATION FOR GRP GRATING, LADDERS AND HANDRAILS	8.0	22-2-2021
10000-Y50-00037	SPECIFICATION OF INFRASTRUCTURE	01M	31-10-2018
10000-Y50-00038	SPECIFICATION FOR STRUCTURAL STEEL	2.0	16-6-2021
10000-Y50-00042	SPECIFICATION FOR SURFACE PROTECTION	6.0	27-4-2021
10000-Y50-00044	SPECIFICATION FOR STEEL FIRE PROOFING	1.0	22-2-2021
10000-E50-00003	DESIGN AND INSTALLATION OF PROTECTIVE EARTHING	6.0	1-7-2021

2.4. Referentie drawings and documents

Drawings/doc.:	Description:	Rev.:	Date:
AE_2000_B-DE_6111_EN_2.0	Tank design data	02	04-05-2022
Loads table Tank platforms.xls	Load data	-	-
CA61_S	DWG of stair/platform	-	-
&AE-200X-C-ZA 1002	EN General Arrangement Drawing - Foundations Piling - CO2 Storage	1.0	19-09-2022
NAVIS Viewermodel	-	-	-

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3. Design principles of the construction

3.1. General assumptions

This chapter sets out the design principles that form the basis for the constructive elaboration of the project.

The calculations are carried out in accordance with the standards specified in §2.3. "Applicable Standards / Literature".

In addition, the design data are included that follow from the interaction between the various design disciplines that apply to the work.

3.2. Function construction, consequence class and design life

3.1.1. Function construction

	design lifetime class	consequence class	category of use	combination value of variable loads	frequent value of variable loads	quasi-permanent value of variable loads	correction factor for design lifetime F_t/F_0
Industrial building				ψ_0	ψ_1	ψ_2	ψ_t
main function = Silo foundation	3	CC2	E2	0.0	0	0	1
1st add. function = Stair tower	3	CC2	E2	0.0	0	0	1
2nd add. function = Working platforms	3	CC2	E2	0.0	0	0	1
3rd add. function =							
4th add. function =							
maatgevend =	3	CC2					1

ψ value according EN 1990, annex A + NA

	ψ_0	ψ_1	ψ_2	
A Domestic, residential areas		0.4	0.5	0.3
B Office areas		0.5	0.5	0.3
C Congregation areas	0.4 / 0.6 **	0.7	0.6	0.6
D Shopping areas		0.4	0.7	0.6
E1 Storage areas		1	0.9	0.8
E2 Industrial use		1	0.9	0.8
F Traffic area, vehicle weight $\leq 30\text{kN}$		0.7	0.7	0.6
G Traffic area, $30\text{kN} < \text{vehicle weight} \leq 160\text{kN}$		0.7	0.5	0.3
H Roofs, not accessible, or only for maintenance (H1 angle $\alpha < 15^\circ$, H2 angle $15^\circ < \alpha < 20^\circ$, H3 angle $\alpha > 20^\circ$)		0	0	0
I Roofs, accessible according to category A t/m D		0	0	0
J Roof, special use		0	0	0
K Roof, landing area for helicopters		0	0	0
S Snow		0.5	0.2	0
Wa Water accumulation		0	0	0
Wi Wind loads		0	0.2	0
T Temperature (non fire)		0	0.5	0
Sp Special loads during construction		1	1	0.2 Acc. NA Belgium
Z Settlements		1	1	1 Acc. NA Germany

3.1.2. Scope of application

Design lifetime class	Primary structure	= 3	According EN 1990 + NA, § A1.1
Design lifetime		= 50 years	According EN 1990 + NA, § A1.1
Reduced design lifetime		= years	
Applied design lifetime		= 50 years	According EN 1990 + NA, § A1.1
Design lifetime for snow/wind		= 50 years	According EN 1991-1-6 + NA
Design lifetime class	Secondary construction	= 3	According EN 1990 + NA, § A1.1
Design lifetime		= 50 years	According EN 1990 + NA, § A1.1

The following constructions fall under the secondary construction:

- Handrails
- Ladders / cage ladders
- Non-primary bearing parts

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3.1.3. Consequence- & Reliability class

	Main construction	Secondary construction	
Consequence class	= CC2	CC1	according EN 1990 + NA, § B3.1
Reliability class	= RC2	RC1	according EN 1990 + NA, § B3.2
K_{ir} -factor	= 1.0	0.9	according EN 1990 + NA, § B3.3
Reliability factor	= 3.8	3.3	according EN 1990 + NA, § B3.2
Description MC	= medium consequence for loss of human life, economic, social or environmental consequences considerable		
Description SC	= low consequence for loss of human life, and economic, social or environmental consequences small or negligible		

3.1.4. Design & Inspection level

Design supervision level	= DSL2	According EN 1990 + NA, § B4
	(combined with RC2, normal supervision)	
	medium consequence for loss of human life, economic, social or environmental consequences considerable	
Inspection level	= IL2	According EN 1990 + NA, § B5
	(combined with RC2, normal supervision)	
	Inspection according to the working method of the organization	

3.1.5. Performance classes

3.1.5.1. Steel main construction

Load category	= BC1	According EN 1993-1-1 + NA, § C
Production category	= PC1	According EN 1993-1-1 + NA, § C
Execution class	= EXC2	According EN 1993-1-1 + NA, § C

3.1.5.2. Steel secondary construction

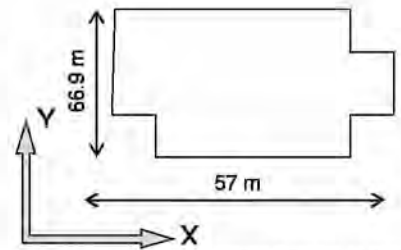
Load category	= BC1	According EN 1993-1-1 + NA, § C
Production category	= PC1	According EN 1993-1-1 + NA, § C
Execution class	= EXC1	According EN 1993-1-1 + NA, § C

3.1.5.3. Concrete

Design lifetime	=	50 years
Construction class	=	S4

3.1.6. Dimensions

Number of levels	=	1 stk
Level height	=	8800 mm
Width of structure	X-axis	= 57000 mm
Depth of structure	Y-axis	= 66900 mm
Height of structure	=	17230 mm
Gutter height	=	mm
Height of structure above level 0+	=	0 mm
Pitch of roof	=	°
Roofarea	=	3813.3 m ²



project orientation for loads, general illustration for how dimensioning is applied

3.3. Loadcombinations + factors

3.3.1. New construction according to EN 1990, Annex A + NA

Limit state	Favorable / unfavorable	Permanent loads	Leading variable load	Variable loads, simultaneous with the leading variable load
Ultimate Limit State EQU (set A)	Favorable	$1.1 \cdot G_k$	+ $1.5 \cdot Q_k$	+ $1.5 \cdot \psi_{0,i} \cdot Q_{k,i}$
	Unfavorable	$0.9 \cdot G_k$	+ $1.5 \cdot Q_k$	+ $1.5 \cdot \psi_{0,i} \cdot Q_{k,i}$
Ultimate Limit State STR/GEO (set B)	Favorable	$1.35 \cdot G_k$	+ $1.5 \cdot Q_k$	+ $1.5 \cdot \psi_{0,i} \cdot Q_{k,i}$
	Unfavorable	$0.9 \cdot G_k$	+ $1.5 \cdot Q_k$	+ $1.5 \cdot \psi_{0,i} \cdot Q_{k,i}$
	Favorable	$1.35 \cdot G_k$	+ $1.5 \cdot Q_k$	+ $1.5 \cdot \psi_{0,i} \cdot Q_{k,i}$
Ultimate Limit State STR/GEO (set C)	Favorable	$1 \cdot G_k$	+ $1.3 \cdot Q_k$	+ $1.3 \cdot \psi_{0,i} \cdot Q_{k,i}$
	Unfavorable	$1 \cdot G_k$	+ $1.3 \cdot Q_k$	+ $1.3 \cdot \psi_{0,i} \cdot Q_{k,i}$
Limit state	Permanent loads	Accidental load / earthquake	Leading variable load	Variable loads, simultaneous with the leading variable load
Ultimate Limit State accidental loads	$1 \cdot G_k$	+ $1 \cdot Q_{k,b}$	+ $1 \cdot \psi_{1,1} \cdot Q_{k,1}$	+ $1 \cdot \psi_{2,i} \cdot Q_{k,i}$

$$\text{Ultimate Limit State earthquake} \quad \left| \quad 1 * G_k \quad \right| + \quad \left| \quad 1 * Q_{ka} \quad \right| + \quad \left| \quad 1 * \psi_{2,1} * Q_{k,1} \quad \right| + \quad \left| \quad 1 * \psi_{2,i} * Q_{k,i} \quad \right|$$

3.3.2. Combinations for serviceability

Serviceability Limit State	Permanent loads	Leading variable load	Variable loads, simultaneous with the leading variable load
Characteristic	$1 * G_k$	$+ 1 * Q_k$	$+ \sum 1 * \psi_{0,i} * Q_{k,i}$
Frequent	$1 * G_k$	$+ 1 * \psi_{1,1} * Q_{k,1}$	$+ \sum 1 * \psi_{2,i} * Q_{k,i}$
Quasi-permanent	$1 * G_k$	$+ 1 * \psi_{2,1} * Q_{k,1}$	$+ \sum 1 * \psi_{2,i} * Q_{k,i}$

3.4. Deflection requirements

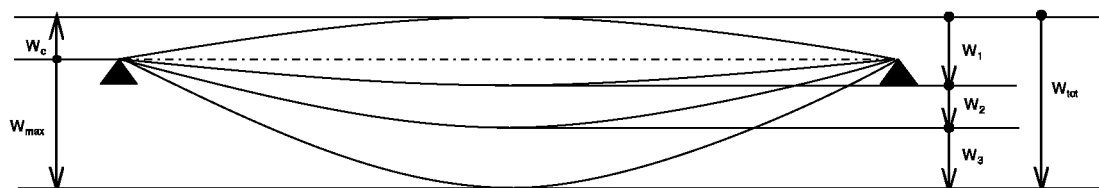
The building must meet the requirements for deflection, to accommodate a safe feeling. For elements not covered by the YARA specifications, the following basic requirements are set:

Determination vertical deflection beams / floors

General requirement	L/300	(L/150 voor uitkraging)
Floorbeams with intensive use by people	L/333.33	(L/166.665 voor uitkraging)
Beam that carries partitions	L/500 **	(L/250 voor uitkraging)
Roofbeams with intensive use by people	L/333.33	(L/166.665 voor uitkraging)
Other roofbeams	L/250	(L/125 voor uitkraging)
Column general	L/300	(L/150 voor uitkraging)
Facade column	L/300	(L/150 voor uitkraging)
Secondary column	L/300	(L/150 voor uitkraging)
Purlin	L/250	(L/125 voor uitkraging)
Support beams for cranes	L/600	(L/300 voor uitkraging)

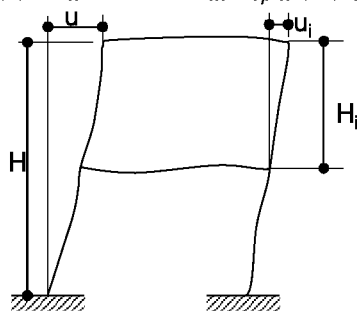
** For floors and beams that carry partitionwalls a limited deflection of maximum 15 mm is advised. The additional deflections for cantilevers should be limited to 10 mm.

According to EN-1990 + NA nl A1.4.3 + EN-1993-6 + NA



- W_c = The calculated value of the camber for the structural component in serviceability limit state (SLS);
- W_{max} = Permanent total deflection minus the camber;
- W_1 = Initial part of the deflection under permanent loads from the applicable load combinations according to the formulas (6.14a) to (6.16b) determined by the short-term properties;
- W_2 = Long-term part of the deflection under the permanent loads equal to the deflection at the quasi-permanent load combination determined by long-term properties, minus the deflection at the quasi-permanent load combination determined by short-term properties of the quasi-permanent load combination (effects of creep);
- W_3 = Additional part of the deflection caused by the variable loads from the applicable load combination determined by the short-term properties;
- W_{tot} = The calculated value of the total deflection of the structure or structural component in the serviceability limit state.

Determination of horizontal displacement



- H = height of building
 - H_i = height of 1 floorlevel
 - u = total horizontal displacement
 - u_i = displacement of 1 floorlevel
- Allowable for buildings with 1 level:
 h/150 for industrial buildings
 h/300 for all others

- Allowable for buildings with more than 1 level:
 h/300 per level
 h/500 for total building

According to EN-1990 + NA nl A1.4.3

Handrails / railings

The deflections must meet the following requirements:

All deformations should remain elastic.

The vertical deflection of the top edge, or bottom edge and the top edge, or bottom line must be smaller than L/150 of the distance between 2 supportpoints.

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At floor partitions, the horizontal deflection of the upper edge may not be greater than 20 mm.
According to EN-1990 + NA n1 A1.4.3

3.5. Load arrangements

In EN 1991-1-1 art. 6.2.1. and 6.2.2. the following rules are set:

Art. 6.2.1: Floors, beams and roofs (also applies to foundations):

- 1.) For the design of a floor structure within one storey or a roof, the imposed load shall be taken into account as a free action applied at the most unfavourable part of the influence area of the action effects considered.
- 2.) Where the loads on other storeys are relevant, they may be assumed to be distributed uniformly (fixed actions).
- 3.) To ensure a minimum local resistance of the floor structure a separate verification shall be performed with a concentrated load that, unless stated otherwise, shall not be combined with the uniformly distributed loads or other variable actions.

Art. 6.2.2: Columns and walls (also applies to foundation piles):

For the design of columns and walls, the imposed load should be placed at all unfavourable locations.

- 2.) Where imposed loads from several storeys act on columns and walls, the total imposed loads may be reduced by a factor α_n according to 6.3.1.2(11) and 3.3.1(2)P.

3.6. Imperfections

The following imperfections must be taken into account in the design and elaboration:

Foundation piles	Tubular piles	Non; Installation deviation smaller than 1/8 of the diameter of the steel tubular pile is considered to fall within the margin of the calculations and does not have to be designed separately.
Concrete structures		Imperfections are included in the calculation method. Dimensional deviations from the implementation must fall within the dimension tolerances of the applicable standards. Deviations that fall outside of this must be reported and checked if the structure complied with the standards.
Steel structures		Imperfections are included in the calculation method in accordance with art. 5.3 of EN 1993-1-1 +NA. Dimensional deviations from the implementation must fall within the dimension tolerances of the applicable standards. Deviations that fall outside of this must be reported and checked if the structure complied with the standards.

4. Applied Materials & Sustainability

4.1. Materials

For the materials that are used, unless otherwise noted, the following principles apply:

Steel structures	-> Structural steel	-> Standard structural steel	S235JR
	Connections	-> End / base plates	S235JR
		Bolts	8.8
		Anchors	8.8 with plate 80x80*15
		Welding	min. a = 4 mm
Concrete structures	-> Poured into the work		C35/45
	Reinforcement steel	Bars	B500B
		Point-welded reinforcement nets	B500A
	Cement type	Hoogovencement CEM III/B 42,5 LH/HS	
Grouting	->	Low shrink grouting min. K70 grade	

Properties of materials according to Annex A

4.2. Sustainability / conservation

4.2.1. Steel

Basic execution in accordance with EN 1090-1 + NA & EN 1090-2 + NA

Material -> according to EN 10025 + NA, min. Quality according to the above.

The following operations must be applied (at least) to preserve the structure, unless otherwise specified for the specific part:

Group	Location	Treatment	Corrosion speed (mm / year) if untreated
0	Steel in concrete	apply untreated	
1	Steel in indoor environment	C1 mean	0.005-0.03
2	Steel in indoor environment	C2 hot dip galvanized + coating	0.03-0.08
3	Steel outside	C3 hot dip galvanized + coating	0.08-0.12
4	Steel in chemical environment	C4 hot dip galvanized + coating	0.12-0.15
4	Steel in industry	C5-I hot dip galvanized + coating	0.012-0.15
5	Steel on the coast	C5-M galvanized	0.015-0.20
-	preserved steel in concrete	chromated	

Climate class	Location	quality environment	examples
C1	Within	not very aggressive	heated building
C2	Within	moderately aggressive	unheated building (including steel in cavity)
C3	Outside	not very aggressive	business premises with high humidity
C4	Industry	moderately aggressive	chemical company, swimming pool and the like.
C5-I	Industry	aggressive	industrial area with high humidity and corrosive atmosphere
C5-M	Industry	aggressive	coastal area with high salinity, offshore

Surface treatments of all parts are according to Yara specification 10000-Y50-00042

4.2.2. Concrete

4.2.2.1. Environmental class & concrete cover

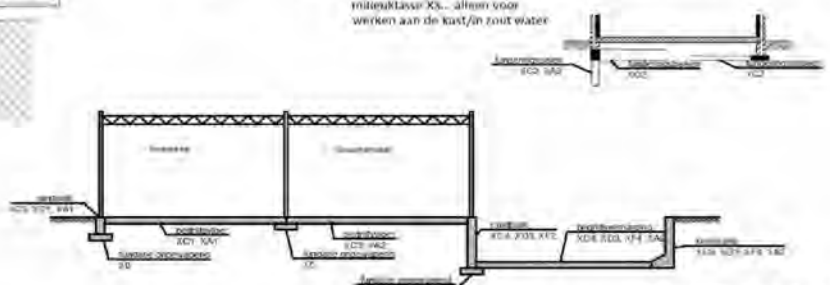
For the composition of the concrete and detail of the reinforcement, the following environmental classes + cover must be used:



Others, not shown in picture:

- Foundation piles XC2, XA2 u.n.o.
- Floor (production building) XC1, XA1 u.n.o.
- Floor (storage) XC3, XA2 u.n.o.
- Foundation (not reinforced) XC0
- Foundation beams XC3, XD1, XA2 u.n.o.

milieuklasse Xs... alleen voor werken aan de kust/in zout water



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Part	Construction class	Environmental classes, u.n.o. on drawings	C_{minb} [mm]	C_{mindur} [mm]	ΔC_{dev} [mm]	C_{nom} required [mm]	C_{nom} applied [mm]
Foundation piles							
Drilled	S4	XC2 / XA3	16	40	5	45	50
Foundation beams							
Top	S4	XC4 / XD3 / XF2 / XA3	16	50	10	60	60
Side	S4	XC2 / XD3 / XF2 / XA3	16	50	10	60	60
Bottom	S4	XC2 / XA3	16	45	10	55	60
Ground floor							
Top	S3	XC4 / XD3 / XF2 / XA3	16	40	10	50	50
Side	S3	XC2 / XD3 / XF2 / XA3	16	40	10	50	50
Bottom	S3	XC2 / XA3	16	40	10	50	50
Walls							
Top	S3	XC4 / XD3 / XF2 / XA3	16	40	10	50	50
Side	S3	XC4 / XD3 / XF2 / XA3	16	40	10	50	50

4.2.2.2. General remarks

Concrete works must be carried out in accordance with EN 13670 + NA;

Concrete works must also comply with 10000-Y50-00035;

Material -> acc. EN 206-1 + NA, min. grade in acc. to §4.1.

The workability of the concrete is determined by the contractor. The chosen plasticity should be attuned to the implementation method, however, taking into account the permissible water / cement ratio with respect to the environmental class.

Finishes of the various elements, if applicable must be included on the drawings and should take minimum concrete cover into account.

Piling design (Dimensions and reinforcement) to be checked by contractor

For all new concrete KOMO Certification is Mandatory for New Concrete

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5. Loads on structure

5.1. Dead and imposed floorloads according EN 1991-1-1 + NA

5.1.1. General, summary table

The self-weight of the model structure is calculated by Scia.

These loads are determined based on the following specific mass:

Concrete	dry	unreinforced	=	2400	kg/m ³
	wet	unreinforced	=	2500	kg/m ³
	dry	reinforced	=	2500	kg/m ³
	wet	reinforced	=	2600	kg/m ³
Rebar			=	7850	kg/m ³
Construction steel			=	8000	kg/m ³

The remaining permanent loads are entered according to the schedule below.

Part	Description	g _k [kN/m ²]	q _k [kN/m ²]	Q _k [kN]	ψ ₀	area pointload mm ²
V01	Platforms stairs	0.50	3.00	7.00	1	50*50
V02	Platform on silos	0.50	3.00	7.00	1	50*50

5.1.2. Floors

V01 Platforms stairs		h/d [mm]	g _k kN/m ²	q _k kN/m ²	Q _k kN
Floor type:	Grating	30 mm	0.50		
Category:	E2 industrial use	E2		3.00	7.00
ψ ₀ =	1	30	0.50	3.00	7.00
Area Q _k : 50*50 mm ²					

V02 Platform on silos		h/d [mm]	g _k kN/m ²	q _k kN/m ²	Q _k kN
Floor type:	Grating incl. installations/piping	30 mm	0.50		
Category:	E2 industrial use	E2		3.00	7.00
ψ ₀ =	1	30	0.50	3.00	7.00
Area Q _k : 50*50 mm ²					

5.1.3. Walls

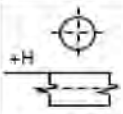

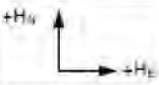
Determined by Scia

5.1.4. Beam elements


Determined by Scia

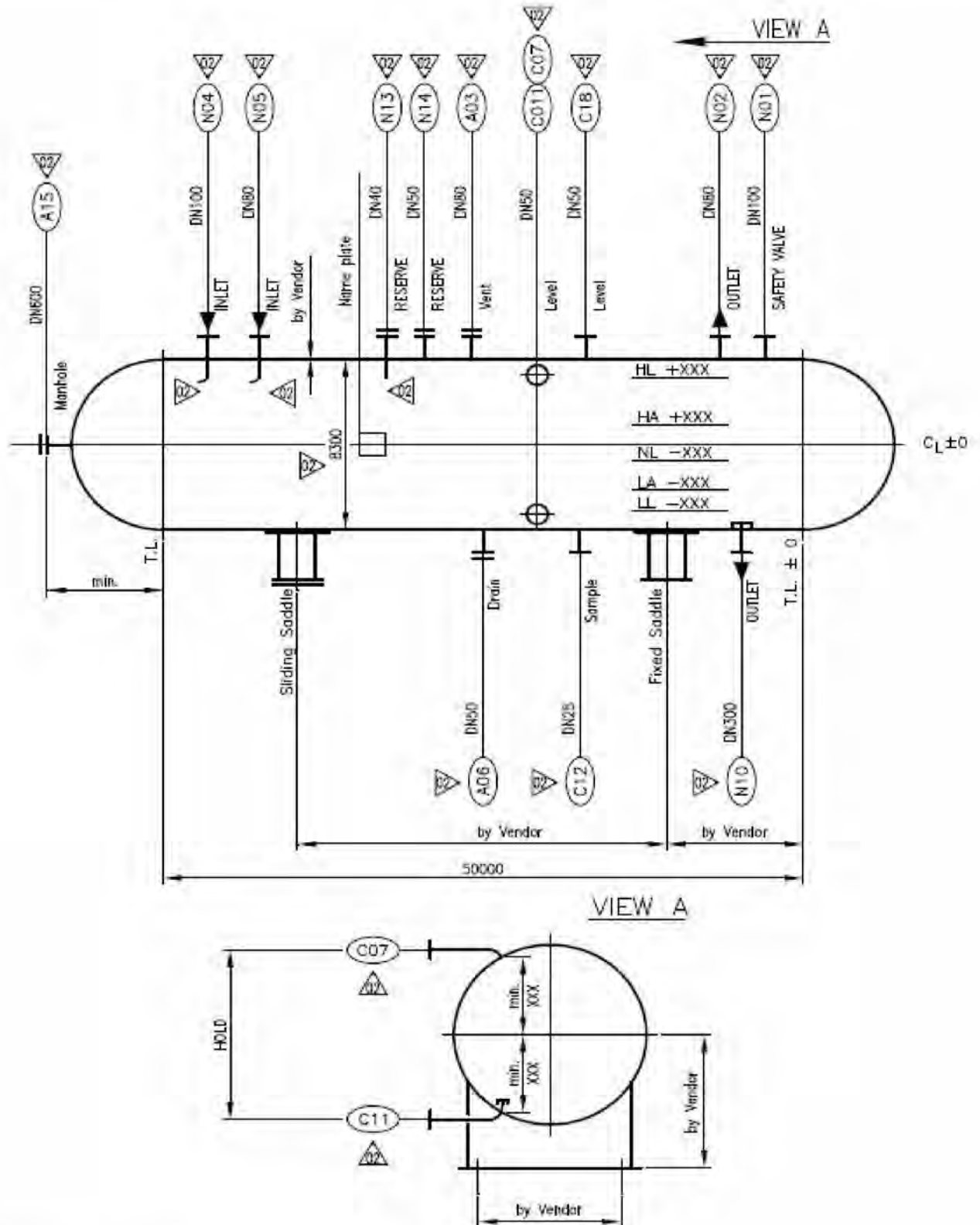
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5.1.5. Loads provided by client

CONCENTRATED LOADS (LOCATION SEE DRAWING)								
LOADS RESULTING FROM CONNECTED PIPING ARE INCLUDED								
	MARKED LOAD POINT NO. OR EQP NO.						GLOBAL ('X' MARK)	REMARKS
		VERTICAL LOAD			HORIZONTAL LOAD			
ELEVATION [m]		V _o [KN]	V _o [KN]	V _T [KN]	H _N [KN]	H _E [KN]		
+17.300	S602	+ 10.0	+ 15.0		wind only	wind only	X	
AREA LOADS (AS MARKED IN THE DRAWING)								
LEVEL	PIPING LOADS					LIVE LOADS VERTIC	CONCENTRATED LOAD	REMARKS
	VERTICAL			HORIZONTAL				
ELEVATION [m]	g _R [kN/m ²]	p _R [kN/m ²]	q _R [kN/m ²]	h _N [kN/m ²]	h _E [kN/m ²]	q [kN/m ²]	P [KN]	
+13.800	+ 1.0	+ 2.0		+/- 0,2	only wind			
+14.800	+ 0.5	+ 1.0		+/- 0,1	+/- 0,1	+ 3.0	+ 10.0	Walkway platform, movable single load, applied on area with grating only
Staircase						+ 3.0	+ 3.0	Landing, movable single load, applied on area with grating only
Explosion Load								acc. to YARA Specification
<p>NOTE 1: CONSIDER CABLE TRAY SUPPORTING PORTION FULLY OCCUPIED</p> <p>V_o = DEAD LOAD (EMPTY WEIGHT WITH INSULATION AND ATTACHMENTS)</p> <p>V_o = OPERATING LOAD (V_o + OPERATING, FILLING WITH OPERATING MEDIUM)</p> <p>V_T = PRESSURE TEST LOAD (V_o + FILLING WITH WATER)</p> <p>H_N / H_E = HORIZONTAL LOAD IN OPERATION (N= NORTH, E=EAST) FOR LOCAL DESIGN IF NOT MARKED AS GLOBAL</p> <p>g_R = DEAD LOAD - PIPELINE</p> <p>P_R = LIVE LOAD + g_R</p> <p>q_R = TEST LOAD = g_R + PRESSURE TEST LOAD (WITHOUT INSULATION)</p> <p>h_N = PIPE THRUST NORTH</p> <p>h_E = PIPE THRUST SOUTH</p> <p>q = LIVE LOAD IN AREAS WITH GRATING</p> <p>P = CONCENTRATED SINGLE LIVE LOAD ON PLATFORM FOR LOCAL DESIGN</p>								

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	MECHANICAL DATA SHEET		Item No. SR601 A-F		
	VESSEL				
	Project / Plant	CO2 Purification and Liquefaction Process Plant	Proj. No.	3710A3T8	
		Code	SLUISKIL		
Service	Storage Tanks	Doc. No.	&AE-2000-B-DE 6111 (EN)		
		Status	IFQ Issue 02 Page 2 of 10		
A GENERAL DATA					
Type	VESSEL HORIZONTAL				
Quantity	6				
02 Design Code	EN 13445		PED 2014/68/EC with CE marking		
Design Pressure (gauge)	bar	20			
02 Design Temperature	°C	-40 / +50			
Test Pressure (gauge)	bar	acc. code			
Fluid Group acc. to PED	2				
02 Inner Diameter	mm	8300			
Length T.L. - T.L.	mm	50000			
02 Corrosion Allowance	mm	1.6			
Joint Efficiency (longitud. seams)	1.0				
Insulation Type	C (Cold) PUR				
02 Insulation Thickness	mm	160			
Fireproofing for Support	NO				
LIQUID LEVEL / LIQUID VOLUME					
Liquid Level	LL	LA	NL	HA	HL
Level Height from Center Line	mm				
Liquid Volume at Level	m³				
WEIGHT / VOLUME / DENSITY					
02 Weight Dry	kg	598000	Operating Weight	kg	3955300
02 Weight with Water	kg	3598000	Weight of Internals	kg	0
02 Volume	m³	3000			
Density of Liquid	kg/m³	1178			
MATERIAL GROUP					
Shell / Dished Head	LOW TEMP. CARBON STEEL				
Internals	LOW TEMP. CARBON STEEL				
Linde technical / Material Criticality (LE internal only)	B / A				
REMARKS					
1	Supplement to General Data				
2	Mechanical Design				
3	Material and Service Requirements				
4	Surface Requirements				
5	Miscellaneous				
6	Scope Split				



5.1.6. Loads due to imperfections

For this predesign the imperfection loads are ignored on the design of the staircase / platforms. The bracing system is designed with a sufficient margin to absorb the extra forces that arise from the imperfections. For the concrete design, Scia calculates the 2nd order effects itself in the design calculation of the rebar.

5.2. Horizontal load on partitions: handrails/railings according to EN 1991-1-1 +NB

Category: = E2
 $q_k = 0.80$ kN/m
 $F_k = 1.00$ kN

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5.3. Special floor load according to EN 1991-1-1 +NB

Not applicable

5.4. Special floorloads due to vehicles acc. EN 1991-1-1 +NA

Not applicable

5.5. Loads due to fire acc. EN 1991-1-2 +NA

Loads due to fire are not checked in this calculation.

5.6. Snowloads acc. EN 1991-1-3 +NA

Snow loads as determined in Annex B. The loads that are applicable are:

Loads for flat / monopitch roofs is $q_{sn} = 0.56 \text{ kN/m}^2$

5.7. Wateraccumulation acc. EN 1991-1-3 +NA

For this type of structure wateraccumulation is not applicable.

The silo's will not collect any water, and the platforms are open grating and therefor only water can collect at intersections with members. As this wil result in max. 30 mm of water this is not normative compared to the applicable liveload.

5.8. Windloads acc. EN 1991-1-4 +NA

Windloads are determined in Annex C, following the basic points:

Country = Nederland
 Location = Sluiskil
 Windarea = 2
 Ref. height = 17.23 m
 The windpressure that follows = 1.02 kN/m^2

Other factors are acc. to Annex B.

The structure is a closed 3D building. This is applied in Scia that automatically calculates the applicable windloadfactors in acc. to the applicable codes.

5.9. Temperature loads acc. EN 1991-1-5 +NA

Loads due to temperature other than fire are:

acc. to: Client spec.

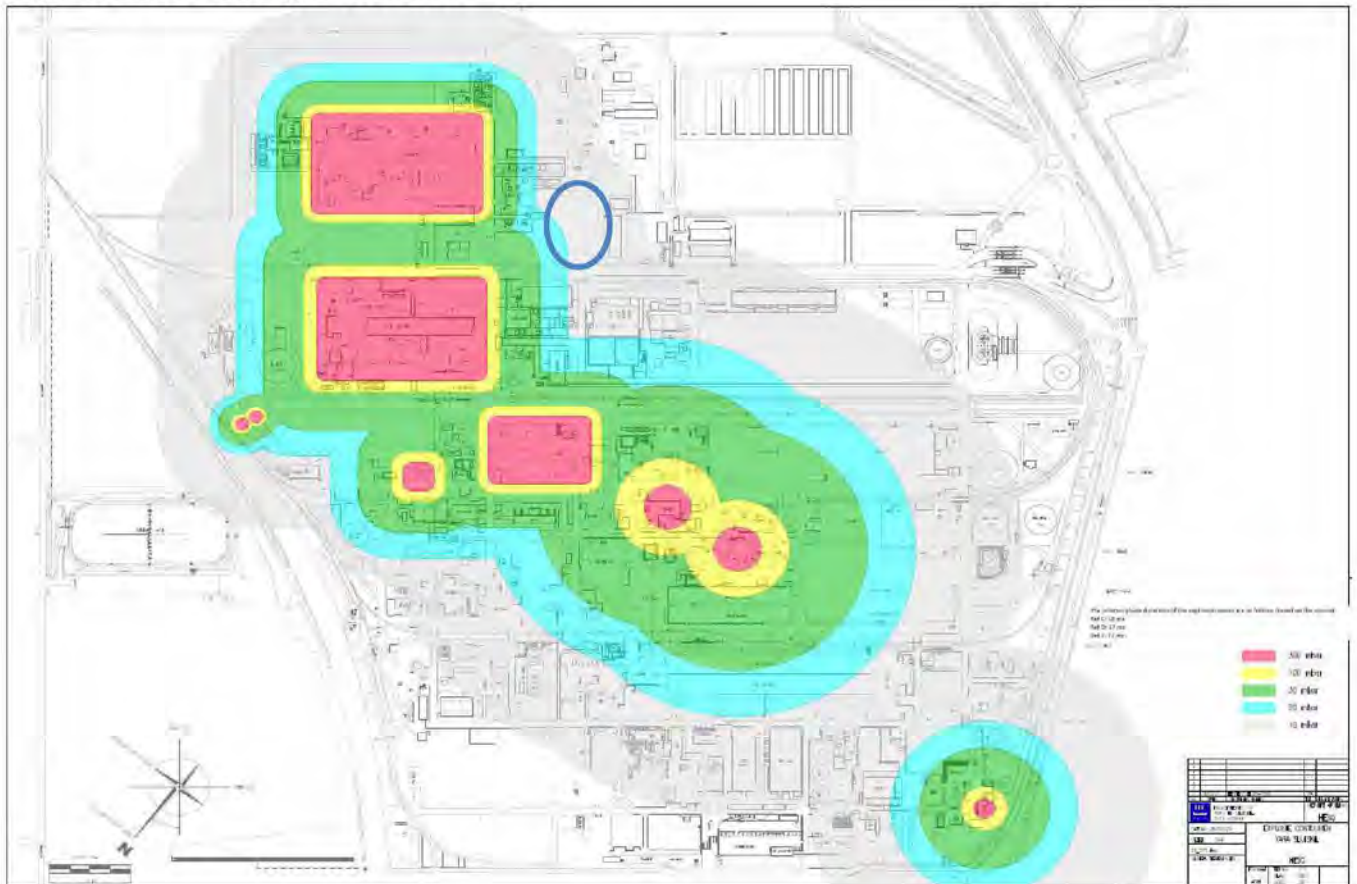
difference 1 = $-40.0 \text{ }^\circ\text{C}$ => Input for calculation
 difference 2 = $50.0 \text{ }^\circ\text{C}$ => Input for calculation

For the concrete structure that are in the ground the temperature loads are not applicable, as the concrete is surrounded by soil, it is provided with an initial insulation so that no strong temperature fluctuations are to be expected. For the steelstructure the temperature loads will be applied.

5.10. Impact loads EN 1991-1-7 +NA

The area is at a sufficient distance from the roads. Combined with the low speeds, impacts from vehicles are ignored.

5.11. Explosive force according to EN 1991-1-7 +NB



The loads from an explosion are in the ranges of 10 mbar = 1 kN/m²

As it is an open structure the loads will have less effects, than on a solid structure.

The explosion loads are an ALS combination, as the loads are similar to the wind loads the explosion loading are not taken in to account.

Wind loads are calculated with a higher safety factor and lower steel resistance, hence they are normative.

5.12. Load due to geotechnical causes

5.12.1. Load due to earth pressure according to EN 1991-1-1 +NA / EN 1997-1 +NA

Op de buitenste liggers van de fundatie zal er een horizontale gronddruk t.g.v. de omliggende aanvulling i.c.m. bovenbelasting worden gegenereerd.

Ground replenishment data:

Material (names acc. to NEN 6740) = zand, schoon, vast, natuurlijk vochtgehalte
min. max.

Mass $\gamma = 19 - 20 \text{ kN/m}^3$

Calculated with $\gamma = 20 \text{ kN/m}^3$

Angle of inclination natural slope $\phi = 35 - 40^\circ$

Used $\phi = 40^\circ$

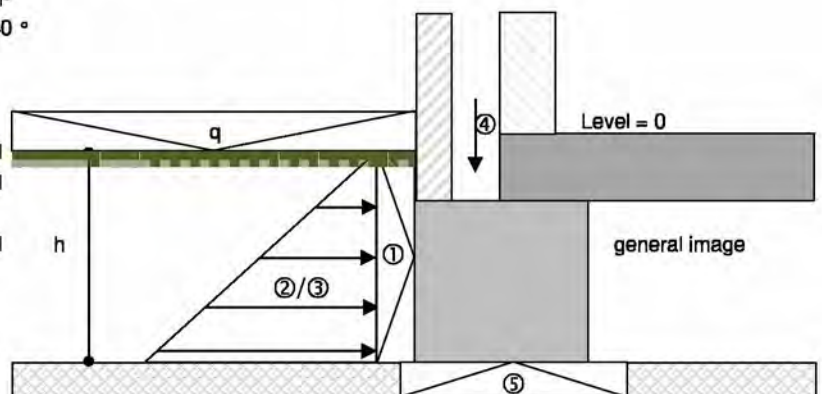
k-factor $k = 0.839$

ground level = -100 mm relative to level

B.O.C. = -1000 mm relative to level

h = 900 mm

groundwater level = -1300 mm relative to level



Overload on ground = E2 industrial use

Calculated with $q = 5 \text{ kN/m}^2$

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Load on beam:

$$\sigma_h = k \cdot \sigma_v$$

- ① due to overload
- ② ground pressure tot -1000

$$\sigma_h = 4.2 \text{ kN/m}^2$$

$$\sigma_v = 18 \text{ kN/m}^2$$

$$\sigma_h = 15.1 \text{ kN/m}^2$$

$$= 0.9 \text{ kN/m}^2$$

- ③ water pressure
- ④ own weight construction

= Determined by calculation program, the standard test for the upward check is a factor of 0.9 in the combinations.

- ⑤ water pressure

$$= 0.9 \text{ kN/m}^2$$

Ground pressure is ignored as this is equal on all sides

5.12.2. Earthquake load EN 1991-1-1 +NA / EN 1997-1 +NA / EN 1998-1 +NA

For this location and construction it is not vital to calculate with an earthquake load.

5.13. Loads due to cranes acc. EN 1991-3 +NA

Not applicable on this structure

5.14. Loads on piperacks

Acc. to client documents

5.15. Load due to water flow acc. EN 1991-1-6 +NA

Not applicable

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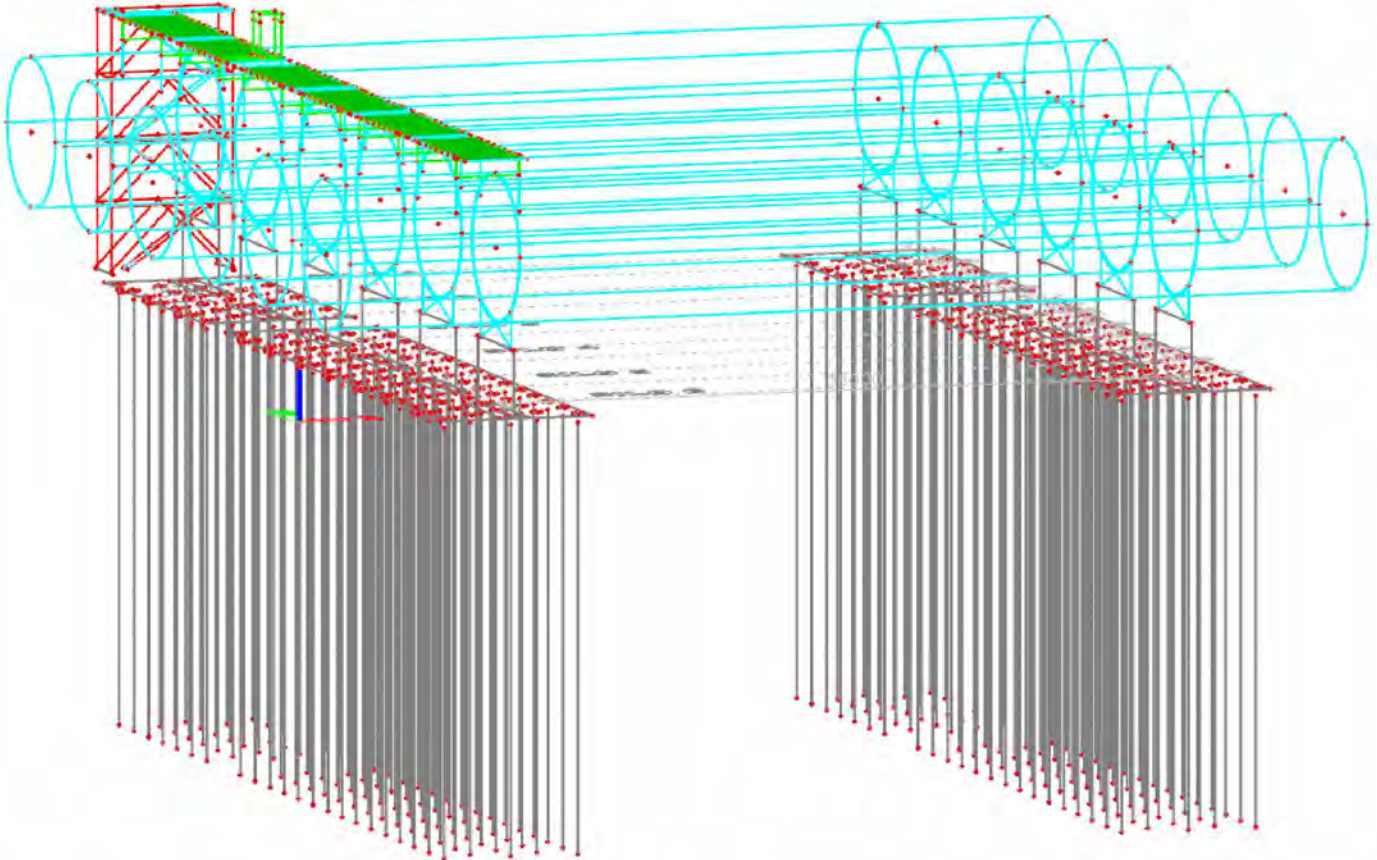
6. Calculation model

6.1. Model setup

6.1.1. General

6.1.1.1. Basic

We have chosen to make a set up of the structure as a model in which both the concrete foundations of the silos, as well as the stair tower and landings are combined. In order to approach reality as much as possible, it was decided to model the silos by means of dummy elements for the purpose of deformations/forces/load distribution.



6.1.1.2. 1D & 2D elements

The foundationpiles / beams + steelstructure are set up as 1D elements.

The foundationslab / foundation walls and the silostructure are applied as 2D elements.

For the load distribution load panels are used to apply the arealoads on the stair/platforms.

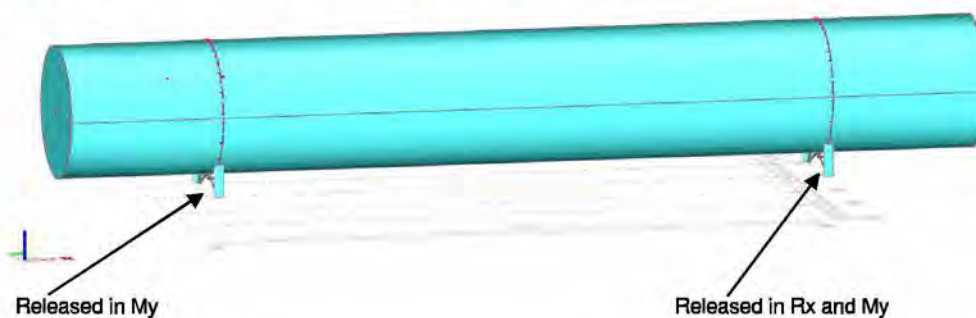
6.1.2. Characteristics

6.1.2.1. Hinges & beamproperties

For the bars, hinged conditions at the bar ends have been used as much as possible.

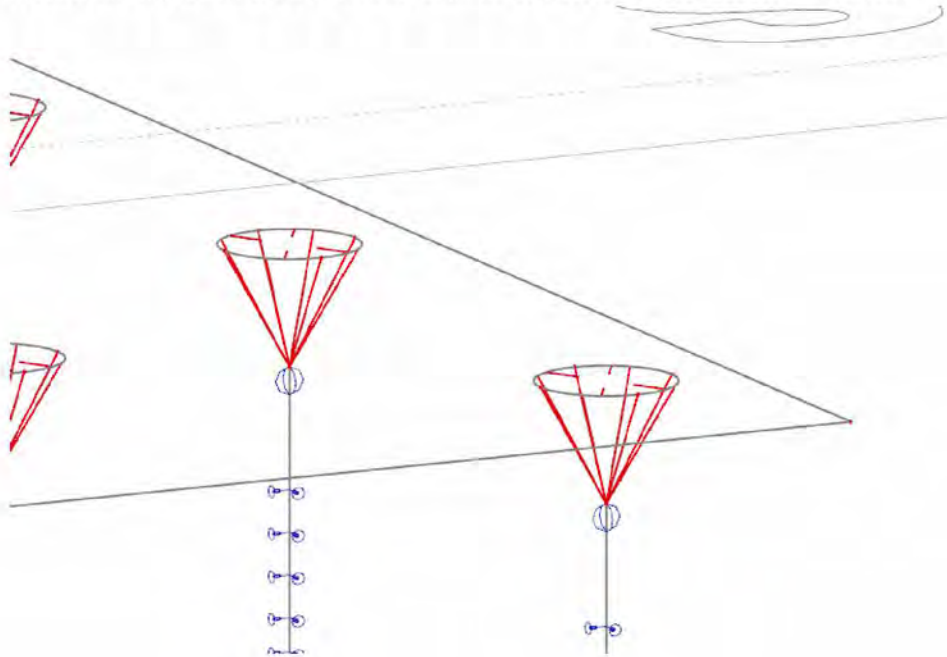
The connections are defined as Truss elements

For the Silo's the basic conditions are (according to global coordinate system)



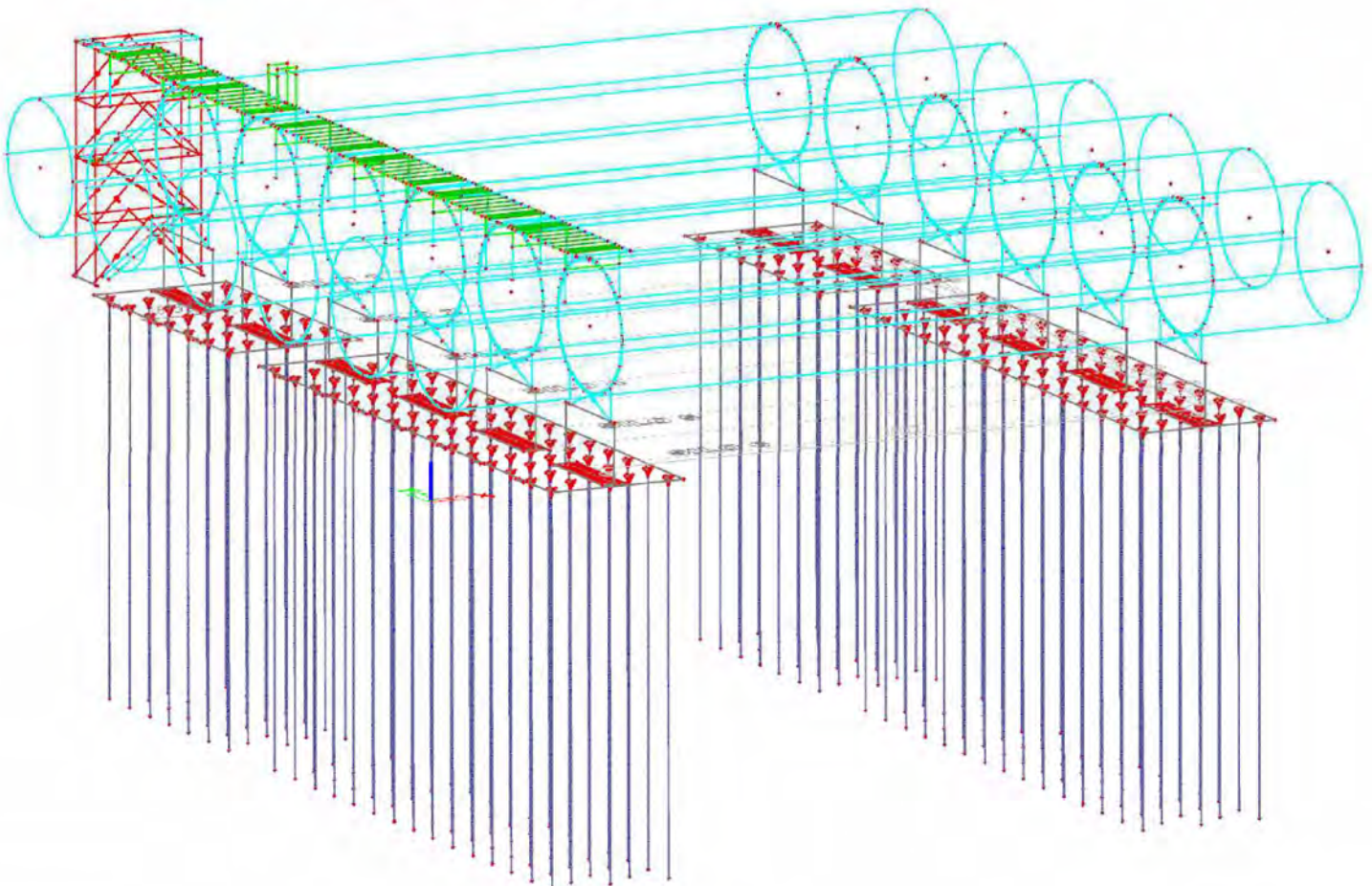
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The foundation piles are designed with hinged connections to the slabs.
 In addition are they modelled with an offset in the pileheads, and connected with rigid link elements.



6.1.2.2 Supports

All supports are placed on the piles, where they are calculated as springsupports.
 The stiffness of the springs is based on calculation 4921002-B01 rev-
 In addition the piles are rechecked, because of positioning/loads.



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6.2. Loadcases

In the model the following loadcases are applied:

Name	Description	Action type	Load group	Load type	Master load case	Specification	Duration
BG101	Dead load structure	Permanent	LG1	Self weight			
BG102	Permanent	Permanent	LG1	Standard			
BG111	Thermal -40°	Variable	LG2	Static	None	Standard	Short
BG112	Thermal 50°	Variable	LG2	Static	None	Standard	Short
BG121	Wind x-axis	Variable	LG3	Static	None	Standard	Short
BG122	Wind y-axis	Variable	LG3	Static	None	Standard	Short
BG123	Wind -x-axis	Variable	LG3	Static	None	Standard	Short
BG124	Wind -y-axis	Variable	LG3	Static	None	Standard	Short
BG131	Snow	Variable	LG4	Static	None	Standard	Short
BG141	Silo 1	Variable	LG5	Static	None	Standard	Short
BG142	Silo 2	Variable	LG5	Static	None	Standard	Short
BG143	Silo 3	Variable	LG5	Static	None	Standard	Short
BG144	Silo 4	Variable	LG5	Static	None	Standard	Short
BG145	Silo 5	Variable	LG5	Static	None	Standard	Short
BG146	Silo 6	Variable	LG5	Static	None	Standard	Short
BG147	LL platform	Variable	LG5	Static	None	Standard	Short
BG148	LL stairs	Variable	LG5	Static	None	Standard	Short
BG149	Piping	Variable	LG5	Static	None	Standard	Short
BG150	Equipment	Variable	LG5	Static	None	Standard	Short
BG151	LL slab	Variable	LG5	Static	None	Standard	Short

6.3. Combinaties

Due to the large number of load cases, which lead to a large number of load combinations, only a summary table of the main combinations is given in the overview below.

		Comb ID	1	2	3
		Type	ULS	BGT	BGT
		Name	UGT-Set B	BGT-Kar	BGT-quasi
LC Name	LC Description				
BG101	Dead load structure		1.00	1.00	1.00
BG102	Permanent		1.00	1.00	1.00
BG111	Thermal -40°		1.00	1.00	1.00
BG112	Thermal 50°		1.00	1.00	1.00
BG121	Wind x-axis		1.00	1.00	1.00
BG122	Wind y-axis		1.00	1.00	1.00
BG123	Wind -x-axis		1.00	1.00	1.00
BG124	Wind -y-axis		1.00	1.00	1.00
BG131	Snow		1.00	1.00	1.00
BG141	Silo 1		1.00	1.00	1.00
BG142	Silo 2		1.00	1.00	1.00
BG143	Silo 3		1.00	1.00	1.00
BG144	Silo 4		1.00	1.00	1.00
BG145	Silo 5		1.00	1.00	1.00
BG146	Silo 6		1.00	1.00	1.00
BG147	LL platform		1.00	1.00	1.00
BG148	LL stairs		1.00	1.00	1.00
BG149	Piping		1.00	1.00	1.00
BG150	Equipment		1.00	1.00	1.00
BG151	LL slab		1.00	1.00	1.00

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7. Results

7.1. Strength control

7.1.1. General

For all strength checks, the basic requirement is that all Unity Checks (u.c.'s) must be less than or equal to 1.00. E.e.a. in accordance with the requirements of formula (6.8) of EN 1990 + NB.

7.1.2. Steel design

For the profile check, the following maximum u.c.s per cross-section apply:

Staal	Doorsnede	dx [m]	BG	Materiaal	UC _{max.} [-]	UC _{snode} [-]	UC _{stabiliteit} [-]	E/W/N
S29	ST-11 - HEA240		0 UGT-Set B/1	S 235 JR	0.77	0.14	0.77	
S46	ST-12 - IPE300		0 UGT-Set B/1	S 235 JR	0.82	0.82	0	W30
S54	ST-13 - HEA140		0 UGT-Set B/2	S 235 JR	0.13	0.04	0.13	
S72	ST-14 - UNP200	3.020+	UGT-Set B/3	S 235 JR	0.38	0.31	0.38	W30
S228	ST-15 - UNP300	1.500+	UGT-Set B/4	S 235 JR	0.55	0.55	0.43	W30
S116	ST-18 - HEA220	1.135	UGT-Set B/5	S 235 JR	0.49	0.49	0.35	W30
S349	ST-23 - IPE200		0 UGT-Set B/6	S 235 JR	0.52	0.52	0.52	W30
S252	ST-20 - HEA260	1.75	UGT-Set B/7	S 235 JR	0.18	0.18	0	
S538	ST-24 - HEA120	1.881	UGT-Set B/8	S 235 JR	0.07	0.07	0	

Name	Combinationkey
UGT-Set B/1	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG148
UGT-Set B/2	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG148
UGT-Set B/3	1.20*BG101 + 1.20*BG102 + 1.50*BG131 + 1.50*BG148
UGT-Set B/4	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150 + 1.50*BG151
UGT-Set B/5	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150
UGT-Set B/6	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150 + 1.50*BG151
UGT-Set B/7	1.35*BG101 + 1.35*BG102 + 1.50*BG149

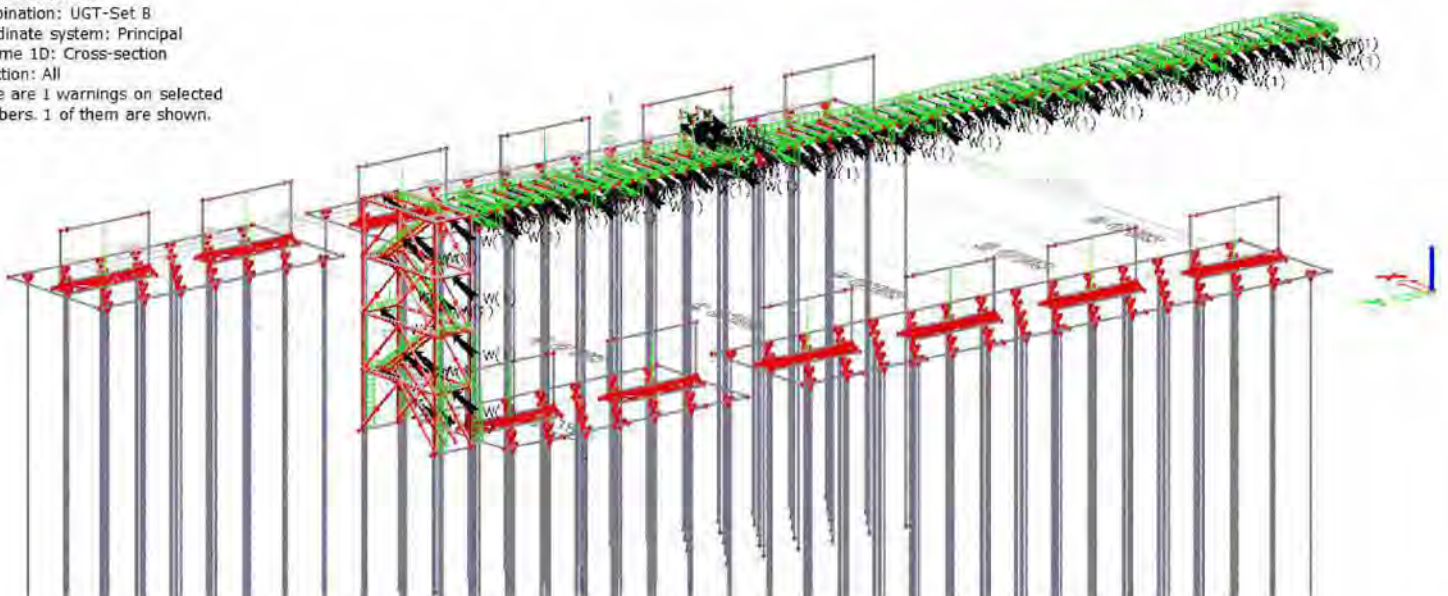
E/W/N	Description
W30	Not all conditions of the Dutch NEN-EN NA (Art. NB.NB.1) are fulfilled, therefore the standard EC-EN approach is used.

The above warnings are given in Scia as a result of the check performed.

Warning W30 is a standard warning which refers to the check for buckling, where M_{cr} must be determined according to the standard situations described in art. NB.NB.1 of NEN-EN 1993-1-1. However, for the beams for which the W30 warning applies, the standard situations prove to be inadequate to be able to determine M_{cr} , and therefore the more conservative method of the basic EuroCode is used.

EC-EN 1993 Steel check ULS

Values: UC_{Overall}
 Linear calculation
 Combination: UGT-Set B
 Coordinate system: Principal
 Extreme 1D: Cross-section
 Selection: All
 There are 1 warnings on selected members. 1 of them are shown.



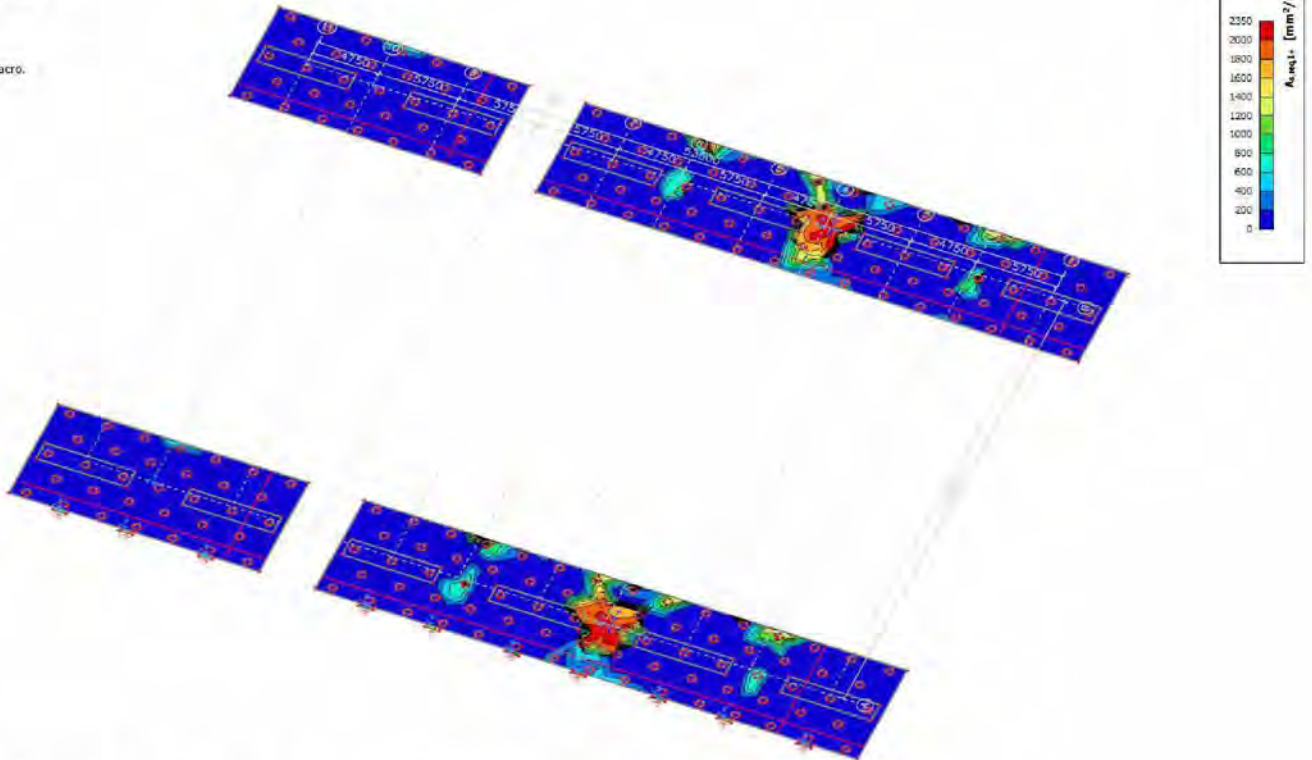
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7.1.3. Concrete design

For the design of the plates, the mesh is $1 \cdot d$, and therefor the location for the stress/rebar design is applied as "In centres".
The floorplates $d = 1000$ mm are checked with a mesh of $\varnothing 32-200$ for both top and bottom.

Reinforcement design (ILS+SLS)

Values: $A_{s,req,1}$
Linear calculation
Combination: UGT-Set B
Extreme: Global
Selection: All
Location: In nodes avg. on macro.
System: LCS mesh element



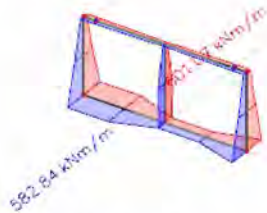
Due to the way the model is created gives at surtain point high stresses in nodes.
These model inaccuracies need to be further refined in the execution phase of the work.

One foundationplate is drawn with this mesh.
This slab has a total of 351 m^3 concrete and 842400 kg rebar. Resulting in a ratio of 139.88 kg/m^3
Because of the need for local additional reinforcements a ratio of 200 kg/m^3 is applied for the tenderphase.

The concrete walls are designed by hand. Based on the max. moment and normalforces found in Scia.
Moment is max. 602 kNm/m with a compressionforces of max. 21525 kN/m

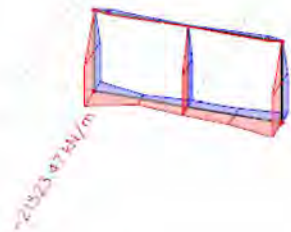
2D internal forces

Values: m_y
Linear calculation
Combination: UGT-Set B
Extreme: Global
Selection: All
Location: In nodes avg. on macro.
System: LCS mesh element



2D internal forces

Values: m_x
Linear calculation
Combination: UGT-Set B
Extreme: Global
Selection: All
Location: In nodes avg. on macro.
System: LCS mesh element

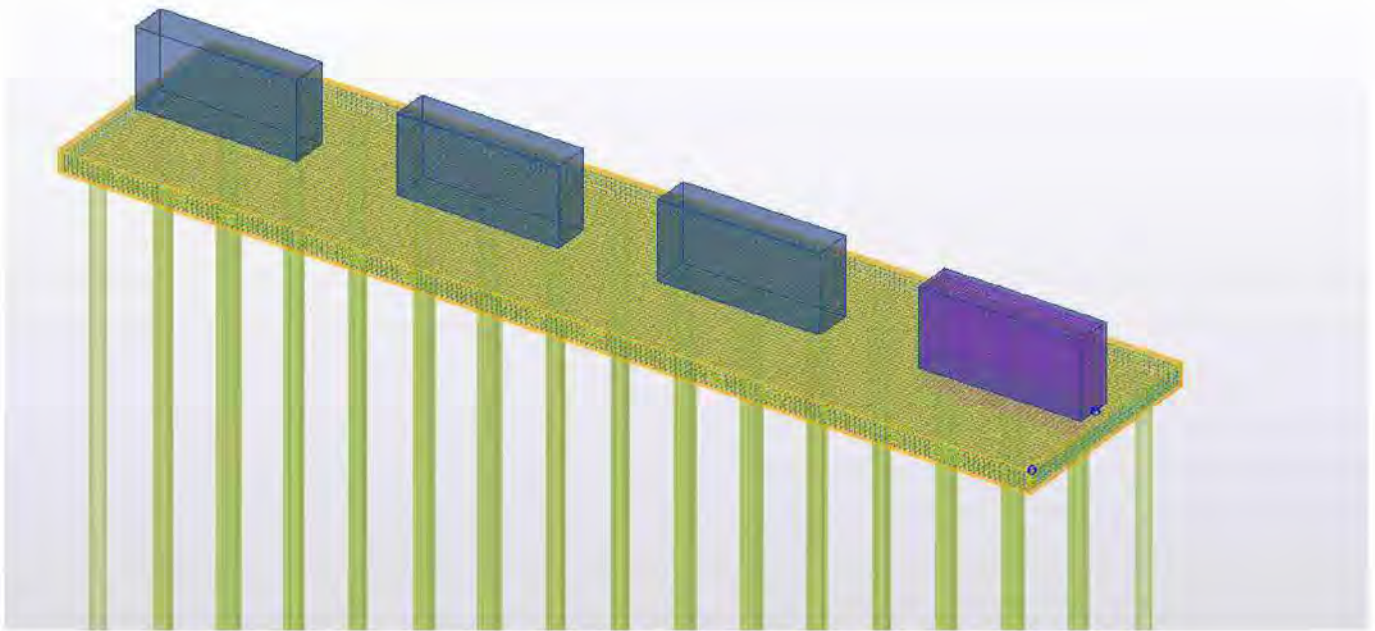


Required rebar = $602 / (1.5 \cdot 0.85) / 0.435 = 1086 \text{ mm}^2$

Because of some tension in the elements and a basic min. reinforcement for a slab this size, a mesh of $\varnothing 40-150$ is applied in vertical direction, with a distribution reinforcement of $\varnothing 25-150$

One of the walls is drawn with this mesh.

This wall has a total of 33.15 m^3 concrete and 79560 kg rebar. Resulting in a ratio of 198.97 kg/m^3 , use 200 kg/m^3 for tender



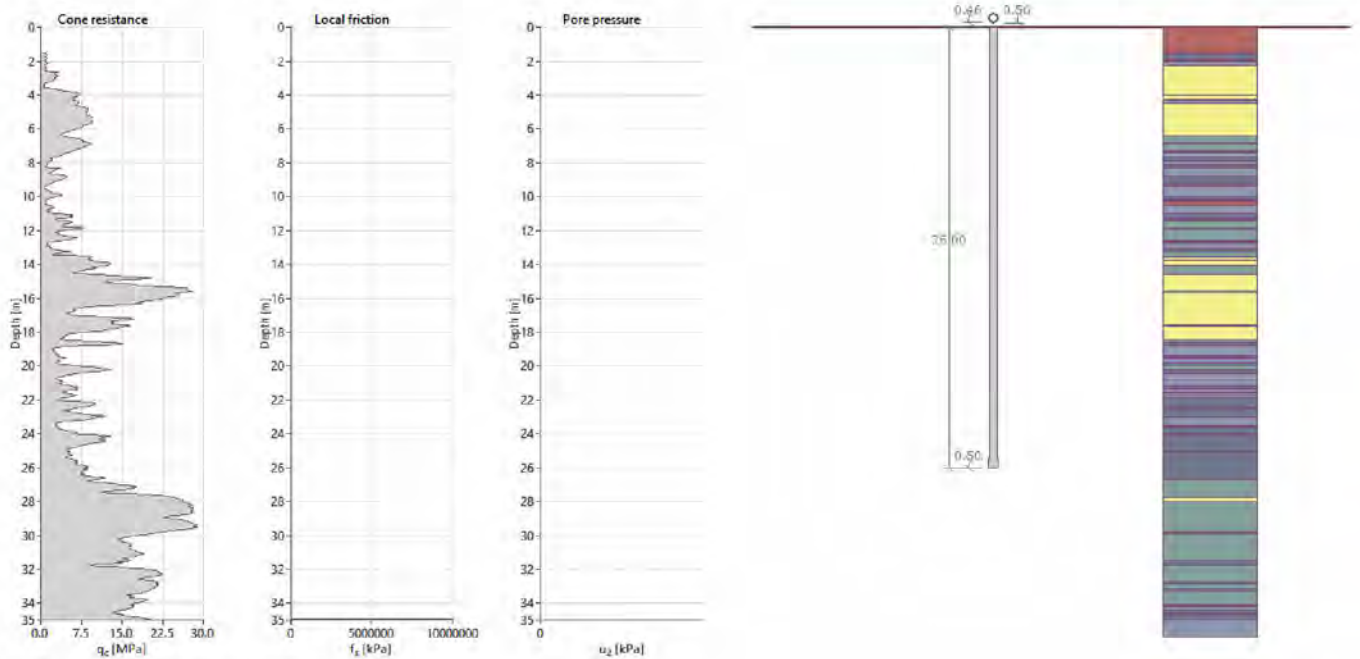
For the beams under the stairtower, the design is practical.
Use a rebarweight of 80 kg/m³ for this prelim phase.

7.1.4. Pile design

Based on the reactionforces a new GEO5 model is made, to check the grouping effects.



No.	Name	Applic. point		Load		Terrain surcharge
		x [m]	y [m]	F _s [kN]	F _{sq} [kN]	F [kN/m]
1	Pile No. 1	0.00	0.00	2010.00	2860.00	0.00
2	Pile No. 2	3.75	0.00	2160.00	3073.00	0.00
3	Pile No. 3	7.50	0.00	2005.00	2851.00	0.00
4	Pile No. 4	1.88	1.35	1904.00	2699.00	0.00
5	Pile No. 5	5.62	1.35	1902.00	2696.00	0.00
6	Pile No. 6	0.00	2.70	1602.00	2260.00	0.00
7	Pile No. 7	3.75	2.70	1716.00	2435.00	0.00
8	Pile No. 8	7.50	2.70	1593.00	2246.00	0.00
9	Pile No. 9	1.88	4.05	1546.00	2201.00	0.00
10	Pile No. 10	5.62	4.05	1541.00	2197.00	0.00
11	Pile No. 11	0.00	5.40	1376.00	1931.00	0.00
12	Pile No. 12	3.75	5.40	1464.00	2101.00	0.00
13	Pile No. 13	7.50	5.40	1368.00	1920.00	0.00
14	Pile No. 14	1.88	6.75	1361.00	1940.00	0.00
15	Pile No. 15	5.62	6.75	1362.00	1936.00	0.00
16	Pile No. 16	0.00	8.10	1290.00	1807.00	0.00
17	Pile No. 17	3.75	8.10	1345.00	1937.00	0.00
18	Pile No. 18	7.50	8.10	1281.00	1795.00	0.00
19	Pile No. 19	1.88	9.45	1372.00	1947.00	0.00
20	Pile No. 20	5.62	9.45	1366.00	1943.00	0.00
21	Pile No. 21	0.00	10.80	1372.00	1925.00	0.00
22	Pile No. 22	3.75	10.80	1461.00	2096.00	0.00
23	Pile No. 23	7.50	10.80	1364.00	1915.00	0.00
24	Pile No. 24	1.88	12.15	1541.00	2195.00	0.00
25	Pile No. 25	5.62	12.15	1537.00	2190.00	0.00
26	Pile No. 26	0.00	13.50	1597.00	2252.00	0.00
27	Pile No. 27	3.75	13.50	1711.00	2430.00	0.00
28	Pile No. 28	7.50	13.50	1588.00	2240.00	0.00
29	Pile No. 29	1.88	14.85	1899.00	2962.00	0.00
30	Pile No. 30	5.62	14.85	1896.00	2688.00	0.00
31	Pile No. 31	0.00	16.20	2004.00	2850.00	0.00
32	Pile No. 32	3.75	16.20	2153.00	3065.00	0.00
33	Pile No. 33	7.50	16.20	1999.00	2843.00	0.00

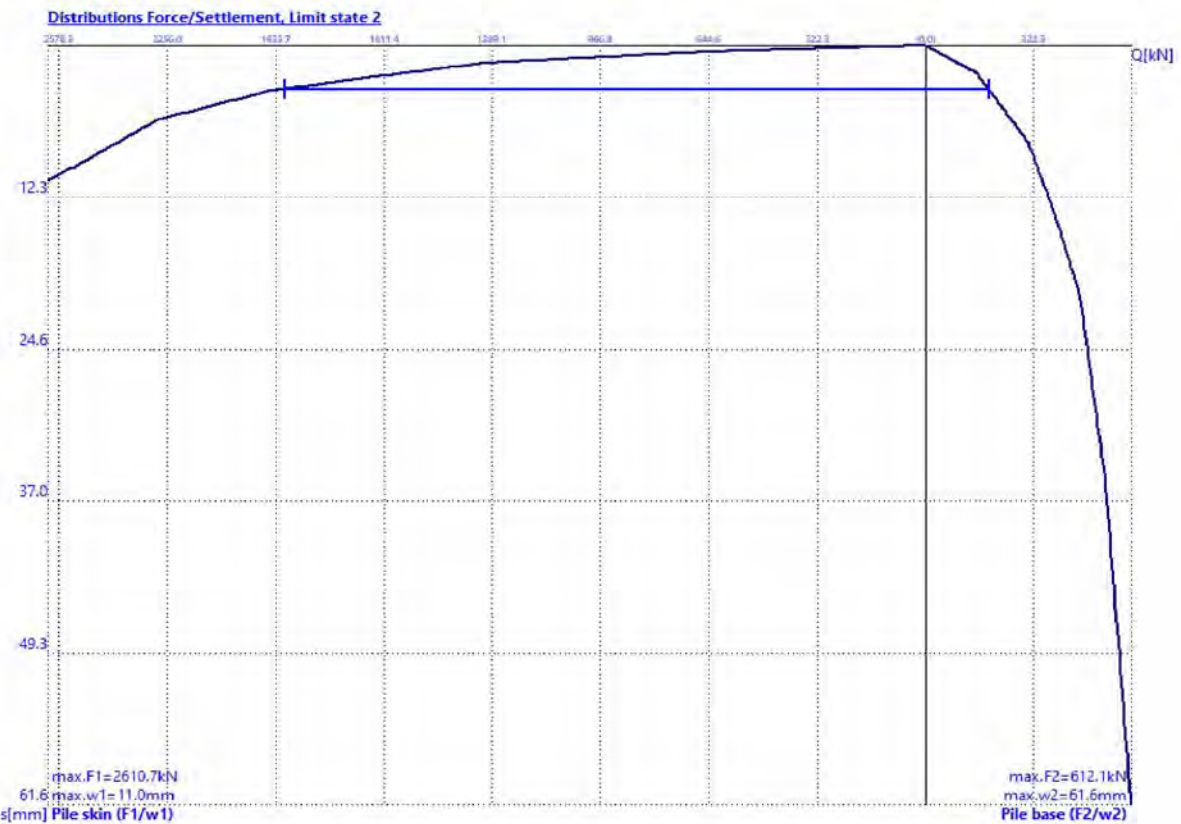


Calculation of vertical bearing capacity - results

Analysis carried out for test: 1423

$F_{r,found,max,d} = 92481.05 \text{ kN} > F_{s,found,d} = 76426.00 \text{ kN}$

Limit state 1A is SATISFACTORY



Piles are sufficient for bearing in $\phi 460-560$ with a length of 26 m from groundlevel.

Because of settlements and the high loads a pile of $\phi 540-660$ is chosen. In addition, a preload with water after installation of the tanks is advised to be left for min. of 8 weeks to give the foundation time to create an initial settlement. So that deviations in settlements for piping are reduced.

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7.2. Deformations

7.2.1. General

The requirements for checking the permissible deformation are in accordance with §"3.4. Deflection requirements" applicable.

This is tested on 3 different parts:

- Node displacement Testing against the maximum displacement of the structure in SLS situation.
- Relative displacement Primary test for distortion in the uz of the profile, in accordance with the requirements
Secondary test for deformation in the uy of the profile, whereby the permissible values in accordance with the uz are observed.
- 3D displacement No direct testing, mainly for insight into how the profiles deform, are no direct requirements for the applicable standards.

7.2.2. Node displacement

Node	BG	U _x [mm]	U _y [mm]	U _z [mm]	Fi _x [mrad]	Fi _y [mrad]	Fi _z [mrad]	U _{total} [mm]
N119	BGT-kar/1	-8.3	-0.2	-15.8	0.2	-2.6	0	17.8
N112	BGT-kar/2	8.3	-0.2	-15.9	-0.1	2.6	-0.1	17.9
K261	BGT-kar/3	0	-68.9	0.4	1.2	0	0	68.9
K262	BGT-kar/4	0	68.5	0.6	-1.1	0	0	68.5
K46	BGT-kar/5	0.8	-22.9	-63.5	4.5	0	0	67.5
K210	BGT-kar/6	-2	-0.8	8.5	-0.1	0	0	8.8
K197	BGT-kar/7	0.7	22.7	-61.2	-4.7	0	0	65.3
K187	BGT-kar/8	0.8	-23.1	-61.3	4.8	0	0	65.5
K274	BGT-kar/9	-0.8	-0.2	-9.2	-0.1	-7.8	-0.1	9.3
K299	BGT-kar/9	0.9	-0.2	-9.1	0.1	7.8	-0.1	9.1
N108	BGT-kar/3	6.1	-16.1	-8.9	0.7	-0.7	-4.5	19.4
N108	BGT-kar/4	1.9	16.1	-2.7	-0.9	-0.2	4.4	16.4
	min. verpl.	-8.3	-68.9	-63.5	-4.7	-7.8	-4.5	8.8
	max. verpl.	8.3	68.5	8.5	4.8	7.8	4.4	68.9

The permitted displacements determined in accordance with EN 1993-1-1+NA, chapter 7.

Height construction 14700 mm

The allowed horizontal displacement is 98 mm 1/150

The maximum displacement is 68.9 mm, the uc is 0.703

7.2.3. Relative displacement

Beam	Section	Combination	dx [mm]	U _y [mm]	U _z [mm]	U _{y,rel} [1/xx]	U _{z,rel} [1/xx]	u.c.	camber [mm]
S29	ST-11 - HEA240	BGT-kar/1	2.22	0	0	3.3	24.7	0.27	-
S41	ST-12 - IPE300	BGT-kar/1	3.400-	-13.4	-13.4	0	22.7	0.59	-
S55	ST-13 - HEA140	BGT-kar/1	5.025	-25.8	-25.7	0	33.5	0.77	-
S71	ST-14 - UNP200	BGT-kar/2	4.030+	0	0	-12.8	6.7	0.63	-
S215	ST-15 - UNP300	BGT-kar/3	5.000-	0	0	6.5	3.3	0.3	-
S116	ST-18 - HEA220	BGT-kar/4	0.757	-0.4	-0.4	0	3.8	0.11	-
S179	ST-23 - IPE200	BGT-kar/5	1.75	6.7	6.7	-1.4	11.7	0.57	-
S253	ST-20 - HEA260	BGT-kar/6	1.75	0.3	0.3	-1.7	11.7	0.14	-
S552	ST-24 - HEA120	BGT-kar/7	0.941+	0	0	0	6.3	0	-

Name	Combination key
BGT-kar/1	BG101 + BG102 + BG124 + BG148
BGT-kar/2	BG101 + BG102 + BG131 + BG148
BGT-kar/3	BG101 + BG102 + BG112 + BG143 + BG146 + BG149
BGT-kar/4	BG101 + BG102 + BG111 + BG141 + BG142 + BG147 + BG149
BGT-kar/5	BG101 + BG102 + BG122 + BG145 + BG147
BGT-kar/6	BG101 + BG102 + BG111 + BG143 + BG146 + BG147 + BG149
BGT-kar/7	BG101 + BG102 + BG124 + BG143 + BG146 + BG149 + BG151

The full list is acc. to annex

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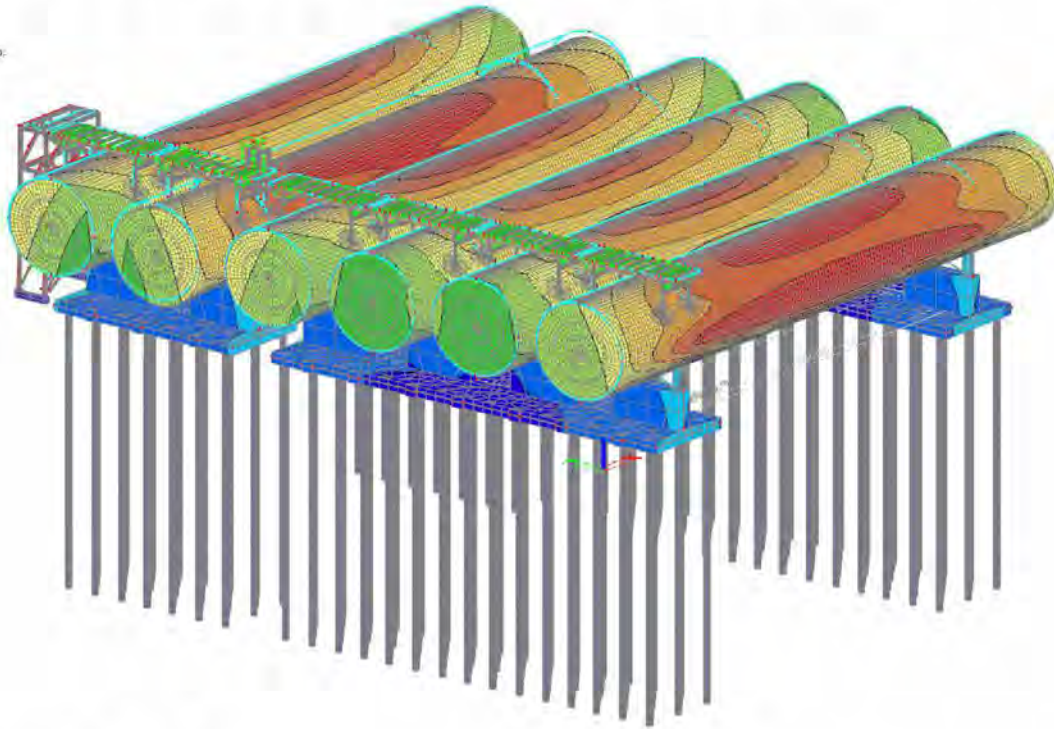
7.2.4. 3D displacement

Name	dx [mm]	fiber	LC	ux [mm]	uy [mm]	uz [mm]	φx [mrad]	φy [mrad]	φz [mrad]	U global [mm]
S418	0	1	BGT-kar/1	0	0	0	1.4	0	0	0
S223	3.5	15	BGT-kar/2	8.3	-112.8	-213.6	11.2	3.4	1.7	241.7

Name	Net	Position [m]	Lc	ux+ ux- [mm]	uy+ uy- [mm]	uz+ uz- [mm]	φx [mrad]	φy	φz	U total+ U total- [mm]	
E60	Element: 75133; Node: 50885	x	13	BGT-kar/3	-172	-177	-6.4	0.7	-6.7	2.9	246.2
		y	43		-172	-177	-6.7				246.3
		z	8.133								
E62	Element: 75344; Node: 61627	x	13	BGT-kar/4	171.3	-176	-7.2	0.7	6.7	-2.9	245.3
		y	63		171.3	-175	-6.9				245.2
		z	8.133								
E25	Element: 48664; Node: 48365	x	31	BGT-kar/3	0.2	-241	4.7	-28.2	-0.1	0	240.5
		y	44		0.2	-241	3.5				241.3
		z	11.19								
E27	Element: 59519; Node: 59141	x	31	BGT-kar/5	0.2	239.9	4.5	28.2	0	0	239.9
		y	62		0.2	240.6	3.3				240.6
		z	11.19								
E17	Element: 5122; Node: 78161	x	31	BGT-kar/6	-9.1	-29.2	-259	2.1	0	0	260.8
		y	5		-9.1	-29.1	-259				260.8
		z	13.25								
E26	Element: 54122; Node: 53574	x	31	BGT-kar/3	0.4	-102	233.4	30.4	0	0	254.7
		y	44		0.4	-103	234.8				256.3
		z	7.329								
E28	Element: 63270; Node: 61635	x	13	BGT-kar/7	-1.7	45.4	110.5	-101	-2	-3	119.5
		y	62		-1.9	48.7	114.3				124.3
		z	6.067								
E26	Element: 52424; Node: 50877	x	13	BGT-kar/3	-1.7	-45.5	110.9	101.1	-2	3	119.9
		y	44		-1.9	-48.8	114.7				124.7
		z	6.067								
E26	Element: 55872; Node: 55219	x	51	BGT-kar/8	0.4	-39.2	46.8	35.6	-30.5	-2.8	61
		y	45		-0.7	-40.5	47.9				62.8
		z	5.552								
E26	Element: 51480; Node: 50965	x	12	BGT-kar/9	-0.2	55.6	14.4	-30.9	31	-2.8	57.4
		y	51		0.9	56.8	15.4				58.8
		z	5.552								
E62	Element: 75353; Node: 72958	x	13	BGT-kar/7	69.4	-105	-1.8	-0.7	3.4	-103	125.6
		y	61		69.4	-99.5	-1.6				121.4
		z	6.217								
E60	Element: 75124; Node: 72678	x	13	BGT-kar/3	-69.7	-99.8	-1.6	-0.7	-3.5	103.2	121.7
		y	45		-69.7	-105	-1.8				126
		z	6.217								
E20	Element: 21474; Node: 21196	x	31	BGT-kar/10	0.3	1.1	-0.5	-39	0.1	0	1.3
		y	16		0.3	3	0.1				3
		z	4.716								
E26	Element: 54088; Node: 53538	x	31	BGT-kar/3	0.2	-166	211.2	-6.2	0	0	268.3
		y	43		0.2	-166	210.9				268.1
		z	8.499								
E26	Element: 53781; Node: 53222	x	27	BGT-kar/11	1.2	2.1	0.1	27.3	2.2	0.5	2.4
		y	47		1.3	0.8	0.3				1.5
		z	4.624								
E26	Element: 54120; Node: 53572	x	31	BGT-kar/3	0.4	-145	225.4	5.4	0	0	268.2
		y	43		0.4	-145	225.7				268.4
		z	8.101								

Name	Combinationkey
BGT-kar/1	BG101 + BG102
BGT-kar/2	BG101 + BG102 + BG124 + BG142 + BG150 + BG151
BGT-kar/3	BG101 + BG102 + BG124 + BG142 + BG147 + BG149 + BG150 + BG151
BGT-kar/4	BG101 + BG102 + BG122 + BG141 + BG147 + BG149
BGT-kar/5	BG101 + BG102 + BG122 + BG141 + BG147 + BG149 + BG151
BGT-kar/6	BG101 + BG102 + BG111 + BG145 + BG146 + BG147 + BG149 + BG151
BGT-kar/7	BG101 + BG102 + BG122 + BG141 + BG147 + BG149 + BG150 + BG151
BGT-kar/8	BG101 + BG102 + BG124 + BG141 + BG142 + BG150
BGT-kar/9	BG101 + BG102 + BG122 + BG142 + BG147 + BG149 + BG150 + BG151
BGT-kar/10	BG101 + BG102 + BG124 + BG144 + BG145 + BG146 + BG147 + BG151
BGT-kar/11	BG101 + BG102 + BG122 + BG141 + BG142 + BG147 + BG149 + BG150 + BG151

3D displacement
 Values: Usual
 Linear calculation
 Combination: BGT-kar
 Selection: All
 Location: In nodes avg. on macro.
 System: LCS mesh element



7.3. Internal forces and stresses

7.3.1. 3D stresses

Name	dx [mm] [mm]	fiber	CSS	Combination	σ_E [MPa]	σ_1 [MPa]	σ_2 [MPa]	τ_{tot} [MPa]
S25	2.900-		2 CT-11 - Rectangle (600;	UGT-Set B/1	0.3	0.2	-0.2	0.2
S29	3.700-		1 ST-11 - HEA240	UGT-Set B/2	167.3	0	-167.3	0
S46	0	14	ST-12 - IPE300	UGT-Set B/2	219	218.5	-1	14.5
S48	0.2	5	CT-12 - Rectangle (400;	UGT-Set B/2	2.1	0	-2.1	0
S54	0	1	ST-13 - HEA140	UGT-Set B/3	9.7	0	-9.7	0
S71	0	3	ST-14 - UNP200	UGT-Set B/4	95.1	55	-54.8	54.9
S228	8.500-	5	ST-15 - UNP300	UGT-Set B/5	248.9	45.5	-223	100.7
S120	1.135	13	ST-18 - HEA220	UGT-Set B/6	199.2	0	-199.1	2.9
S349	0	1	ST-23 - IPE200	UGT-Set B/7	240.7	0	-240.7	0.4
S259	1.75	3	ST-20 - HEA260	UGT-Set B/8	58.3	58.3	0	0.3
S376	21.680-	6	ST-21 - Circle (540)	UGT-Set B/9	16.4	0	-16.4	0
S538	1.881	1	ST-24 - HEA120	UGT-Set B/10	16.8	16.8	0	0

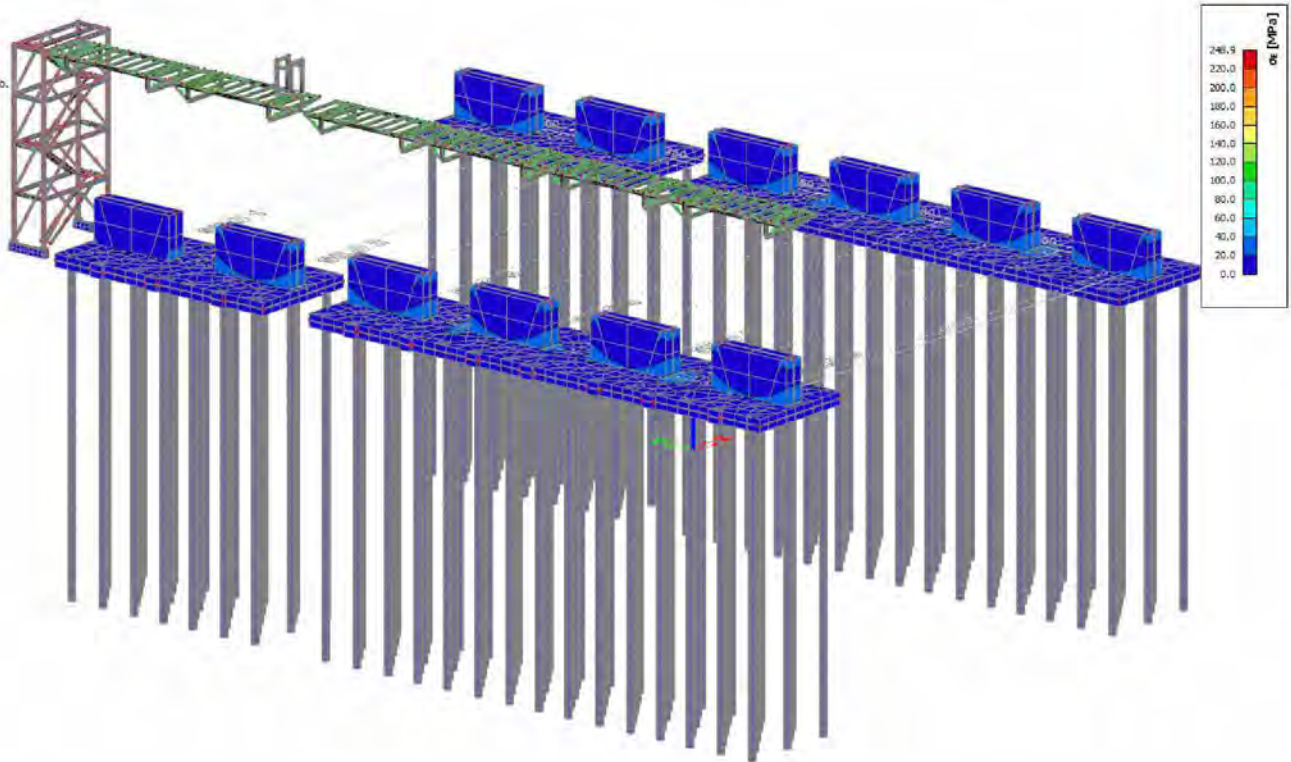
Name	Net	Position [mm]	Combination	σ_{E+} [MPa]	σ_{E-} [MPa]	σ_{1+} [MPa]	σ_{1-} [MPa]	σ_{2+} [MPa]	σ_{2-} [MPa]	$\alpha+$ [deg]	$\alpha-$ [deg]	$\tau_{max,b}$ [MPa]
E15	Element: 1588; Node: 778	x	UGT-Set B/11	0	0	0	0	0	0	89.31	-11.1	0
y												
z												
E15	Element: 1583; Node: 760	x	UGT-Set B/12	0	0	0	0	0	0	-90	0.55	0
y												
z												

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E1	Element: 450; Node: 161	x y z	12 21 -0.5	UGT-Set B/13	11.6	11.6	-11.5	11.6	-11.6	11.5	-37.1	30.82	0.3
E6	Element: 1224; Node: 73234	x y z	51 12 -0.5	UGT-Set B/14	38.8	38.8	41.6	-6.2	6.2	-41.5	-90	0.01	4.7
E6	Element: 1237; Node: 73185	x y z	51 29 -0.5	UGT-Set B/15	36.9	36.9	-6.4	39.6	-39.7	6.4	-0.02	89.98	3.6
E11	Element: 1539; Node: 674	x y z	13 51 0	UGT-Set B/16	42.5	42.6	-4.4	-4.4	-44.5	-44.6	60.97	60.79	0
E4	Element: 753; Node: 73166	x y z	13 27 0	UGT-Set B/17	15.8	15.8	18.1	18.1	7.1	7.1	-8.69	-8.44	0
E6	Element: 1237; Node: 73185	x y z	51 29 -0.5	UGT-Set B/18	43	42.9	44.8	-3.8	3.8	-44.7	90	0	4.7
E1	Element: 18; Node: 75	x y z	17 23 -0.5	UGT-Set B/19	0	0	0	0	0	0	7.07	-79.6	0
E1	Element: 506; Node: 251	x y z	11 11 -0.5	UGT-Set B/20	9.5	9.4	-5	10.9	-10.9	5	-26.8	63.23	7.3

Name	Combinationkey
UGT-Set B/1	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG148
UGT-Set B/2	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG148
UGT-Set B/3	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG148
UGT-Set B/4	1.20*BG101 + 1.20*BG102 + 1.50*BG131 + 1.50*BG148
UGT-Set B/5	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG141 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150
UGT-Set B/6	1.20*BG101 + 1.20*BG102 + 1.50*BG111 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150 + 1.50*BG151
UGT-Set B/7	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150 + 1.50*BG151
UGT-Set B/8	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG141 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150
UGT-Set B/9	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG143 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/10	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150 + 1.50*BG151
UGT-Set B/11	0.90*BG101 + 0.90*BG102 + 1.50*BG123 + 1.50*BG141 + 1.50*BG147 + 1.50*BG149
UGT-Set B/12	0.90*BG101 + 0.90*BG102 + 1.50*BG122 + 1.50*BG142 + 1.50*BG147 + 1.50*BG150
UGT-Set B/13	1.35*BG101 + 1.35*BG102 + 1.50*BG144 + 1.50*BG145 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/14	0.90*BG101 + 0.90*BG102 + 1.50*BG122 + 1.50*BG143 + 1.50*BG144 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/15	0.90*BG101 + 0.90*BG102 + 1.50*BG122 + 1.50*BG144 + 1.50*BG149
UGT-Set B/16	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG141 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150 + 1.50*BG151
UGT-Set B/17	1.20*BG101 + 1.20*BG102 + 1.50*BG111 + 1.50*BG144 + 1.50*BG145 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/18	1.35*BG101 + 1.35*BG102 + 1.50*BG143 + 1.50*BG145 + 1.50*BG146 + 1.50*BG147 + 1.50*BG151
UGT-Set B/19	0.90*BG101 + 0.90*BG102 + 1.50*BG124 + 1.50*BG144 + 1.50*BG145
UGT-Set B/20	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG145 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151

3D stress
 Values: σ_e
 Linear calculation
 Combination: UGT-Set #
 Selection: All
 Location: In nodes avg. on macro.
 System: LCS mesh element
 Principal magnitudes



7.3.2. Reactions

Support	BG	Rx [kN]	Ry [kN]	Rz [kN]	Mx [kNm]	My [kNm]	Mz [kNm]
Sn79/K251	UGT-Set B/1	1.29	-25.47	-93.02	0	0.68	0
Sn81/K253	UGT-Set B/2	1.28	25.47	-96.14	0	0	0
Sn79/K251	UGT-Set B/3	0.8	-25.44	-137.45	0	0.49	0
Sn100/K1226	UGT-Set B/4	0	0	2988.28	0	0	0
Sn80/K252	UGT-Set B/5	-20.99	-0.1	137.53	0	-7.16	0
Sn79/K251	UGT-Set B/6	20.99	-0.12	126.04	0	7.36	0
min. Force		-20.99	-25.47	-137.45	0	-7.16	0
max. Force		20.99	25.47	2988.28	0	7.36	0

Support / Name	BG	dx [mm]	Rx [kN]	Ry [kN]	Rz [kN]	Mx [kNm]	My [kNm]	Mz [kNm]
Slb674/S288	UGT-Set B/7	21.68	-23.7	-2.18	0	0	0	0
Slb673/S287	UGT-Set B/8	21.68	20.89	-2.34	0	0	0	0
Slb649/S263	UGT-Set B/9	21.68	0.36	-27.31	0	0	0	0
Slb671/S285	UGT-Set B/10	21.68	2.9	26.28	0	0	0	0
min. Force			-23.7	-27.31	0	0	0	0
max. Force			20.89	26.28	0	0	0	0

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8. Conclusie

8.1. Conclusies

8.1.1. Conclusie rev. -

The results in this document provide the basic sections and reinforcements that are required for the execution of the tankstorage area / the stairtowers and the walkwayplatforms.

Also an additional check of the piling is done to check the effects for grouping.

In the final calculation, the details and rebar need to be finalized, based on the findings of this document.

8.2. Remarks

8.2.1. General u.n.o.

- The calculation only includes the following parts of the main structure::
 - Main steel, steelframe;
 - Foundation on piles
 - Pile design
 - Concrete frame
- The calculation does not include provisions for architectural "ornamental" elements;
- All prefabricated / order parts must be processed according to manufacturer's instructions;
- Where specific branded products are specified in the calculation (indicated by o.e.), the executive party is always allowed to apply an Or Equivalent product. The contractor must, however, demonstrate that the product used is actually equivalent;
- Where necessary, the construction must be covered with fire-resistant material according to instructions;
- Stability during assembly must be ensured through the chosen assembly sequence, possibly to be demonstrated by means of calculations performed by the contractor;

8.2.2. Steelstructure u.n.o.

- Steelwork execution in accordance with EN 1090-1 +NA & EN 1090-2 +NA / EN 1090-4 +NA
- Roofing plates shall be staggered to ensure an equal load for the support structure and to provide in-plane contribution. They shall be connected in such a way that they can provide buckling support. Calculation by manufacturer;
- Connections of sandwich panels for roofing and/or walls acc. specifications of manufacturer;
- The manufacturer of the roofing plates needs to take into account the extra loads caused by snow accumulation where applicable;
- When installing all edges and corners of roof and facade panels, the supplier must take into account increased wind load factors $C_{pe,1}$ instead of $C_{pe,10}$ in his calculations;
- Pre-cambers in this calculation do not include pre-cambers to provide for fall, if such is necessary;

8.2.3. Concretestructures u.n.o.

- Concrete works must be carried out in accordance with EN 13670 + NA;
- Finishing of the various concrete elements must be indicated on the drawing. In the calculated concrete cover, e.e.a. has been determined on the basis of the known data. If special finishes are applied, appropriate measures must be applied, in consultation with the manufacturer.
- The workability of the concrete is determined by the contractor. The chosen consistency must be adjusted to the execution method, taking into account the permissible water/cement factor in relation to the environmental class.
- If a hollow-core slab floor has a stone-like finish, it must be provided with a pressure layer $d = 50$ mm, with a cross net B335 (# \varnothing 8-150) B500A
- Drawings with the course of the pipes must be sent to both the constructor and the floor supplier for checking/adjustment.
- System floors must be calculated/signed by the supplier, taking into account the basic principles set out in this document.

8.2.4. Execution of foundation on piles

- Pile reinforcement according to calculation supplier;
- Piles should be drilled accurately in place;
- Checking of piles after insertion should be done, if one of the following situations occurs this must be reported to the engineer:
 - Deviations larger than 50 mm must be stated on the drawing and must be reported;
 - If there is doubt as to whether a pile has been driven, it must be measured acoustically and if broken please mention this.
- Piling operations must be carried out in accordance with EN 1997-1 + NB. In doing so, also adhere to the guidelines and principles of NEN 6742;
- First pile serves on the probing to be driven at depth. The payment made here is for all other piles. When several probes are present, the piles must be driven first at these locations and the average balancing must be used for the most distant piles.

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Annex A Overview material properties

Content

Annex A.1.	Overview steel
Annex A.2.	Overview Aluminium
Annex A.3.	Overview Wood
Annex A.4.	Overview Concrete & Rebar
Annex A.5.	Overview of bolts and anchors
Annex A.6.	Overview masonry
Annex A.7.	Overview Stainless Steel

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A.1. Overview steel

General data for steel

Mass per unit

$$m = 7850 \text{ kg/m}^3 \quad \text{calculationmodel } 8000 \text{ kg/m}^3$$

Modulus of elasticity

$$E = 210000 \text{ N/mm}^2$$

Shear modulus

$$G = 80769 \text{ N/mm}^2$$

Poisson coefficient

$$\nu = 0.3$$

Linear thermal expansion coefficient

$$\alpha = 0.000012 \text{ per } ^\circ\text{C (voor } T \leq 100 \text{ } ^\circ\text{C)}$$

Name	Lower limit [mm]	Upper limit [mm]	f_y [N/mm ²]	f_u [N/mm ²]
S 235 JR	0	3	235	360
S 235 J0	3	16	235	360
S 235 J2 (for thickness 250-400)	16	40	225	360
	40	63	215	360
	63	80	215	360
acc. EN 10025-2	80	100	215	360
	100	150	195	350
	150	200	185	340
	200	250	175	340
	250	400	165	330

** alleen S 235 J2

A.2. Overview Aluminium

n.a.

A.3. Overview Wood

n.a.

A.4. Overview Concrete & Rebar

Concrete

Name	cylinder pressure strength f_{ck} MPa	cube compressive strength $f_{ck,cube}$ MPa	design value cylinder pressure strength f_{cd} MPa	average cylinder compressive strength f_{cm} MPa	characteristic tensile strength f_{ctm} MPa	design value tensile strength f_{ctd} MPa	Secant modulus of elasticity at 0.4 E_{cm} MPa	min. reinforcement percentage ρ_{min} %	max. reinforcement percentage ρ_{max} %	α	β
C12/15	12	15	8	20	1.57	0.73	27000	0.13	0.62	0.75	0.39
C16/20	16	20	10.67	24	1.9	0.89	29000	0.13	0.82	0.75	0.39
C20/25	20	25	13.33	28	2.21	1.03	30000	0.13	1.03	0.75	0.39
C25/30	25	30	16.67	33	2.56	1.2	31000	0.13	1.29	0.75	0.39
C30/37	30	37	20	38	2.9	1.35	33000	0.15	1.55	0.75	0.39
C35/45	35	45	23.33	43	3.21	1.5	34000	0.17	1.8	0.75	0.39
C40/50	40	50	26.67	48	3.51	1.64	35000	0.18	2.06	0.75	0.39
C45/55	45	55	30	53	3.8	1.77	36000	0.2	2.32	0.75	0.39
C50/60	50	60	33.33	58	4.07	1.9	37000	0.21	2.58	0.75	0.39
C53/65	53	65	35.33	61	4.16	1.94	38000	0.22	2.12	0.72	0.38
C55/67	55	67	36.67	63	4.21	1.97	38000	0.22	2.1	0.71	0.37
C60/75	60	75	40	68	4.35	2.03	39000	0.23	2.1	0.67	0.36
C70/85	70	85	46.67	78	4.61	2.15	41000	0.24	2.22	0.62	0.35
C80/95	80	95	53.33	88	4.84	2.26	42000	0.25	2.28	0.58	0.34
C90/105	90	105	60	98	5.04	2.35	44000	0.26	2.49	0.56	0.34

=> concrete for basefloor

=> standard concrete

=> standard concrete

=> standard prefabricated concrete

Rebar

General data for steel

Mass per unit

$$m = 7850 \text{ kg/m}^3$$

Modulus of elasticity

$$E = 210000 \text{ MPa}$$

Shear modulus

$$G = 80769 \text{ MPa}$$

Poisson coefficient

$$\nu = 0.3$$

Linear thermal expansion coefficient

$$\alpha = 0.000012 \text{ per } ^\circ\text{C (voor } T \leq 100 \text{ } ^\circ\text{C)}$$

name	f_{yk} MPa	f_{yd} MPa
------	-----------------	-----------------

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FEB200	220	191	=> only for existing concrete
B 400A	400	348	
B 500A	500	435	=> for basic pointweldednets
B 600A	600	522	
B 400B	400	348	
B 500B	500	435	=> standard for rebar beams/stirups
B 600B	600	522	
B 400C	400	348	
B 500C	500	435	=> standard for earthquake area's
B 600C	600	522	

A.5. Overview of bolts and anchors

name	f _{yb} MPa	f _{tb} MPa	
4.6	240	400	
4.8	320	400	=> not applicable in the Netherlands in accordance with NEN-EN 1993-1-8
5.6	300	500	
5.8	400	500	=> for Hilti Lijmankers, otherwise not applicable in the Netherlands in accordance with NEN-EN 1993-1-8
6.8	480	600	
8.8	640	800	
10.9	900	1000	
12.9	1080	1200	
A4-50	210	500	
A4-70	450	700	
A4-80	600	800	

A.6. Overview masonry n.a.

A.7. Overview Stainless Steel n.a.

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Annex B

Determining snowloads

Content

Annex B.1. Snowloads acc. Eurocode EN-1991-1-3 + NA

B.1. Snowloads acc. Eurocode EN-1991-1-3 + NA

B.1.1. Basic snow load

Characteristic value snow	=	$p_{sk} =$	0.7 kN/m ²
Exposure coefficient	=	$C_e =$	1
Thermal coefficient	=	$C_t =$	1
Design lifetime	=	$n =$	50 jr.
Probability factor	=	$P_n =$	0.020
Variance coefficient	=	$V =$	0.8
Factor for frequent value of a variable action:			
$\psi_1 = \frac{1 - V * \sqrt{6} / \pi * (\ln(-\ln(P_n)) + 0.5722)}{1 + 2.5923 * V}$	=		1.001
Basic snow load	=	$p_{sn} =$	0.70 kN/m ²

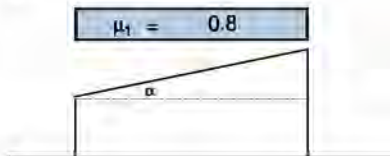
B.1.2. Roof shape coefficients

B.1.2.1. Algemene bepalingmethode voor coëfficiënten

Roof angle/pitch α	for $0^\circ \leq \alpha \leq 30^\circ$	for $30^\circ < \alpha \leq 60^\circ$	for $\alpha \leq 60^\circ$
μ_1	0.8	$0.8 * (60 - \alpha) / 30$	0
μ_2	$0.8 + 0.8 * \alpha / 30$	1.6	0

B.1.2.2. Monopitch roofs according to EN-1991-1-3 + NA, § 5.3.2

$\alpha = 1^\circ$
 $q_{snow} = p_{sn} * \mu_1$
 $q_{snow} = \mathbf{0.56}$ kN/m²



B.1.2.3. Saddle roofs according to EN-1991-1-3 + NA, § 5.3.3

N.A.

B.1.2.4. Roofs with more than one span, according to EN-1991-1-3 + NA, § 5.3.4

N.A.

B.1.2.5. Cylinder roofs according to EN 1991-1-3 + NA, § 5.3.5

N.A.

B.1.2.6. Roofs adjacent to higher buildings, according to EN-1991-1-3 + NA, § 5.3.6

N.A.

B.1.2.7. Snow accumulation at protruding part/obstacles, according to EN-1991-1-3 + NA, § 6.2

N.A.

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Annex C

Determining windloads

Content

Annex C.1. Windloads acc Eurocode EN-1991-1-4 + NA

Annex C.2. Windvormfactoren volgens EN-1991-1-4 + NB

C.1. Windloads acc Eurocode EN-1991-1-4 + NA

C.1.1. General data for winddesign

Country	=	Nederland
Location	=	Sluiskil
Windarea	=	2
Terrain category	=	2
Shape of structure	=	b
nr. of floors	=	1
Building width	$b_{geom} / x\text{-as}$	= 57 m
Building depth	$d_{geom} / y\text{-as}$	= 66.9 m
Height above level 0+	h_1	= 0 m
Building height	h	= 17.23 m
Total building height	z_i	= 17.23 m
Angle of roof	=	0 °
Type of structure	=	Structures from steel & concrete



Terrain category	z_0	z_{min}	
0 Sea or coastal area exposed to the open sea.	0.005	1	
1 Lakes or flat and horizontal area with negligible vegetation and without obstacles.	n.v.t.	n.v.t.	
2 Area with low vegetation such as grass and isolated obstacles (trees, buildings) with separations of at least 20 obstacle heights.	0.2	4	
Gebied met regelmatige begroeiing of Area with regular cover of vegetation or buildings or with isolated obstacles with separations of maximum 20 obstacle heights (such as villages, suburban terrain, permanent forest).	0.5	7	
3			
4 Area in which at least 15 % of the surface is covered with buildings and their average height exceeds 15 m.	n.v.t.	n.v.t.	

General shapes of structures	z_s
a vertical structures such as buildings etc.	$0.6 \cdot h > z_{min}$
b parallel oscillator, i.e. horizontal structures such as beams etc.	$h_1 + h/2 > z_{min}$
c pointlike structures such as signboards etc.	$h_1 + h/2 > z_{min}$
d other structures	h

roughness length, acc. to terrain category	z_0	=	0.2 m
minimum value for height	z_{min}	=	4.0 m
maximum value for height	z_{max}	=	200 m
reference height for building factor, according to Figure 6.1 of EN-1991-1-4	z_s	=	8.6 m
normative value for calculation height	z	=	17.2 m

C.1.2. Wind pressure

basic windspeed § 4.2

v_b	=	$C_{prob} \cdot C_{dir} \cdot C_{season} \cdot v_{b0}$	=	27.0 m/s
C_{dir}	=	1		
C_{season}	=	1		
v_{b0}	=	27.0 m/s		
C_{prob}	=	$\left(\frac{1 - K \cdot \ln(-\ln(1-p))}{1 - K \cdot \ln(-\ln(0.98))} \right)^n$	=	1.0
K	=	0.2		
n	=	0.5		
p	=	1 / reference time	=	0.02

wind turbulence § 4.4

$I_{v(z)}$	=	$(k_r \cdot v_b \cdot k_t) / v_{m(z)}$	=	0.22
k_t	=	1.00		

average windspeed § 4.3

$v_{m(z)}$	=	$C_{r(z)} \cdot C_{o(z)} \cdot v_b$	=	25.19 m/s
$C_{o(z)}$	=	1		
v_b	=	27.00 m/s		
$C_{r(z)}$	=	$k_r \cdot \ln(z/z_0)$	for $z_{min} < z < z_{max}$	
		$C_r(z_{min})$	for $z < z_{min}$	
k_r	=	$0.19 \cdot (z_0/0.05)^{0.07}$	=	0.21
$C_{r(z)}$	=		=	0.93

extreme trust § 4.5

$q_{p(z)}$	=	$(1 + 7 \cdot I_{v(z)}) \cdot 0.5 \cdot \rho \cdot v_{m(z)}^2$	=	1.02 kN/m ²
ρ	=		=	1.25 kg/m ³

C.1.3. Determination of $C_s C_d$

Determination according to § 6.3.1 + Annex B

Wind direction

$C_s C_d$	=	$(1 + 2 \cdot k_p \cdot I_{v(zs)} \cdot (B^2 + R^2)^{0.5}) / (1 + 7 \cdot I_{v(zs)})$	=	1.00	1.00
B^2	=	0.45		0.43	
R^2	=	0.07		0.06	
k_p	=	3.58		3.56	
$I_{v(zs)}$	=	0.27		0.27	

C.2. Wind form factors according to EN-1991-1-4 + NA

C.2.1. General wind data

building width	$b_{gem} / x-as = 57\text{ m}$	ratio X-axis	= 0.30
depth building	$d_{gem} / y-as = 66.9\text{ m}$	ratio Y-axis	= 0.26
height relative to level	$h_{w.r.l. 0+} = 0\text{ m}$	wind pressure on X axis	= 1.02 kN/m ²
building height	$h_{g0} = 17.23\text{ m}$	wind pressure on Y axis	= 1.02 kN/m ²
total building height	$h_{gom} = 17.23\text{ m}$	$e_{vg} = \min(x ; 2*h)$	= 34 m
roof slope	= 0 °	$e_{zg} = \min(y ; 2*h)$	= 34 m
	$z = 0\text{ m}$	Factors for Under pressure	= -0.30
	$A = 1153\text{ m}^2$	Over pressure	= 0.20

C.2.2. Determination Cpe value on facades

There are no facades present that comply with this part

C.2.3. Beveling Cpe op dak

There are no roofolements present that comply with this part

C.2.4. Determination Cpe on free-standing walls, parapets, screens and (advertising) signs

C.2.4.1. Values for free-standing walls and parapets according to § 7.4.1

zone	A	B	C	D
$C_{p,ref}$	2.30	1.40	1.20	1.20

wall length W1	L1 =	6.5 m
wall height W1	h1 =	3.4 m
wall length W2	L2 =	6.5 m
wall height W2	h2 =	3.4 m
c.t.c. walls	x =	38 m
length conversion at the end	a =	0 m
degree of filling W1	$\phi_1 =$	1
degree of filling W2	$\phi_2 =$	1
	$x / h1 =$	11.2
	$\psi_s =$	1
	length to height ratio L1 / h1 =	1.9
	conversion/height ratio = a / h1 =	0.0
	length to height ratio L2 / h2 =	1.9
	conversion/height ratio = a / h2 =	0.0

Shading factor fixed at 1 as a safe value

wind form factors on wall

zone	A	B	C	D
$C_{p,ref}$	2.30	1.40	1.20	1.20

$q = 1.02\text{ kN/m}^2$
 $A = 8.13\text{ kN}$
 $B = 28.05\text{ kN}$
 $C = 2.99\text{ kN}$
 $D = 0.00\text{ kN}$

39.2 kN/total
1.77 kN/m²

The factors do not apply to this construction.

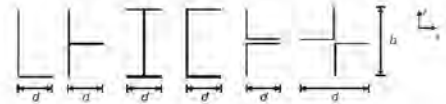
C.2.4.3. Values for (Advertising) Signs according to § 7.4.3

The shelter factors do not apply to this construction.

C.2.5. Determination Cpe on loose profiles

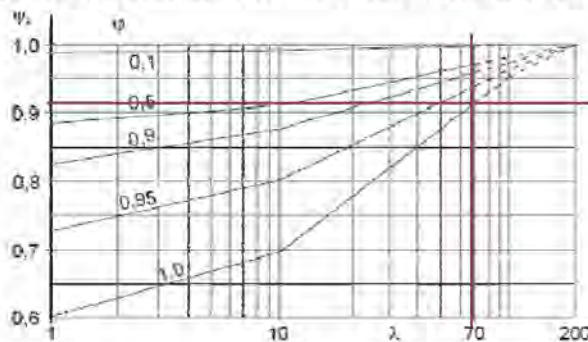
C.2.5.1. Values profiles with sharp corners, according to § 7.7

$C_{f1} = C_{f1,0} * \psi_{\lambda} =$ 2.00
 $C_{f1,0} =$ 2 standard value according to National Annex
 $\psi_{\lambda} =$ 1 determined according to the table below, safe assumption.



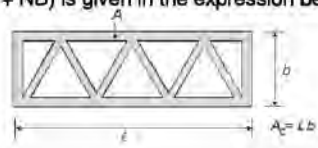
$\lambda =$ 70 Acc. Table 7.16

Figure 7.36 (from EN 1991-1-4) — Indicative values of the end effect factor ψ_{λ} as a function of degrees of fullness ϕ versus slenderness



The degree of fullness is ϕ (see figure 7.37 of EN 1991-1-4 + NB) is given in the expression below:

$$\phi = \frac{A_c}{A_o} = \frac{4.5 \text{ m}^2}{4.5 \text{ m}^2} = 1.000$$



C.2.5.2. Values for cylindrical profiles according to § 7.9

$Re =$
 $b =$ is the assumed diameter of the cylinder/tube
 $v(ze) =$ determined according to note 2 of figure 7.28 =
 $\nu =$ is the kinematic viscosity of the air
 $\alpha =$ is the position of the flow separator
 $\psi_{\lambda\alpha} =$
 $k =$
 $C_{pe,0} =$
 $C_{f1,0} =$
 $\psi_{\lambda} =$
 $C_{pe} =$
 $C_{f1} =$

$\frac{b * v(ze)}{\nu}$	= 2.34E+07
$\sqrt{(2 * q_p / \rho)}$	= 8.7 m
q_p	= 40.4 m/s
ρ	= 1.02 N/m ²
	= 1.25 kg/m ³
	= 0.000015 m ² /s
	= 0 °
	= 1
	galvanized steel = 0.2 mm
	= 1.00
$1.2 + \frac{0.18 \log(10 * k/b)}{1 + 0.4 * \log(Re/10^9)}$	= 0.78
	0.78
	1.00
	0.60

C.2.5.3. Values for pipe bridges

Not Applicable

Linde Project No: 3710 A3T8	Linde Issue	Client Project No: 16471	Client Rev.
Linde Doc. No: 0542FA5490 2002 C-CS 1005 (EN)	2	Client Doc No: 16471-Y16-00008	00

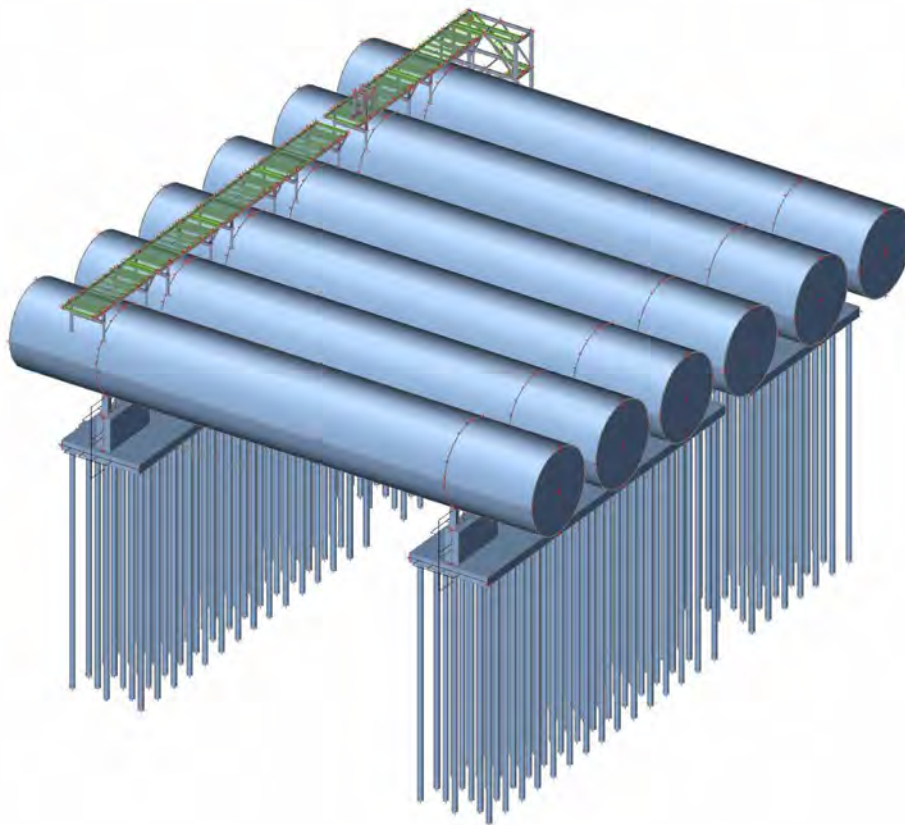
Annex D Calculation reports

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Annex D.2.	Results Scia
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Annex D.4.	Prelim. Concrete design
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Annex D.1.

Input Scia model



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2. Calculation model

2.1. Setup manager

Combination setup

Category H loading not to be combined with snow or wind

Psi factors

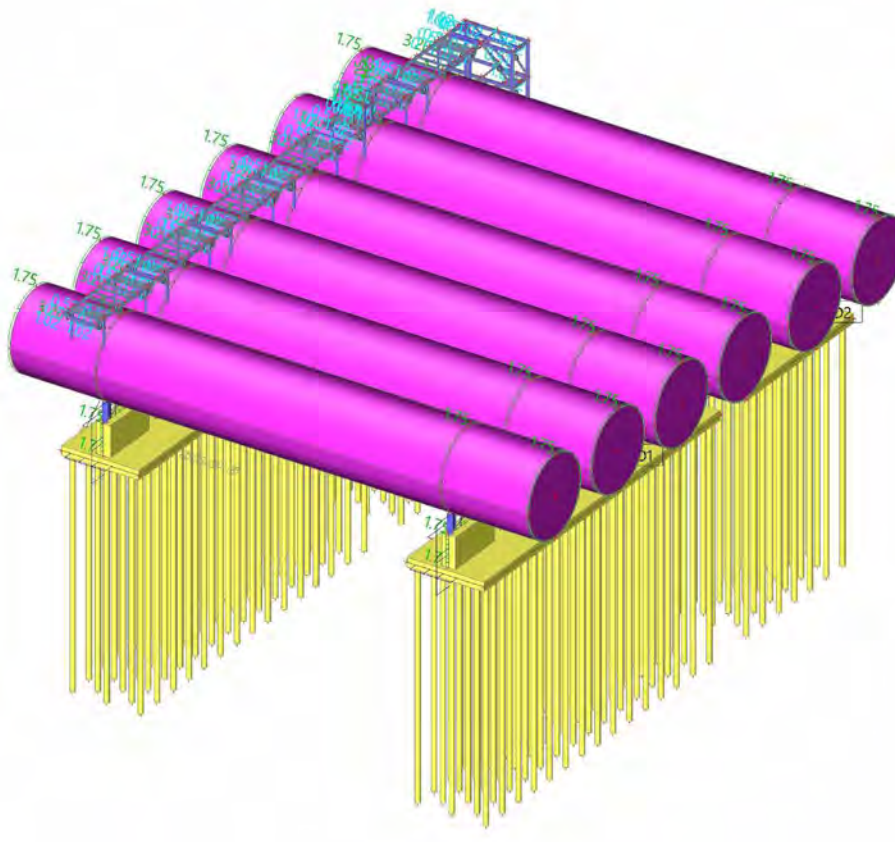
Load	Psi0	Psi1	Psi2
CategoryA	0.4	0.5	0.3
CategoryB	0.5	0.5	0.3
CategoryC	0.6	0.7	0.6
CategoryD	0.4	0.7	0.6
CategoryE	1	0.9	0.8
CategoryF	0.7	0.7	0.6
CategoryG	0.7	0.5	0.3
CategoryH	0	0	0
Snow	0	0.2	0
Wind	0	0.2	0
Temperature	0	0.5	0
Rain water	0	0	0
Construction loads	1	0	0.2

Load combination factors

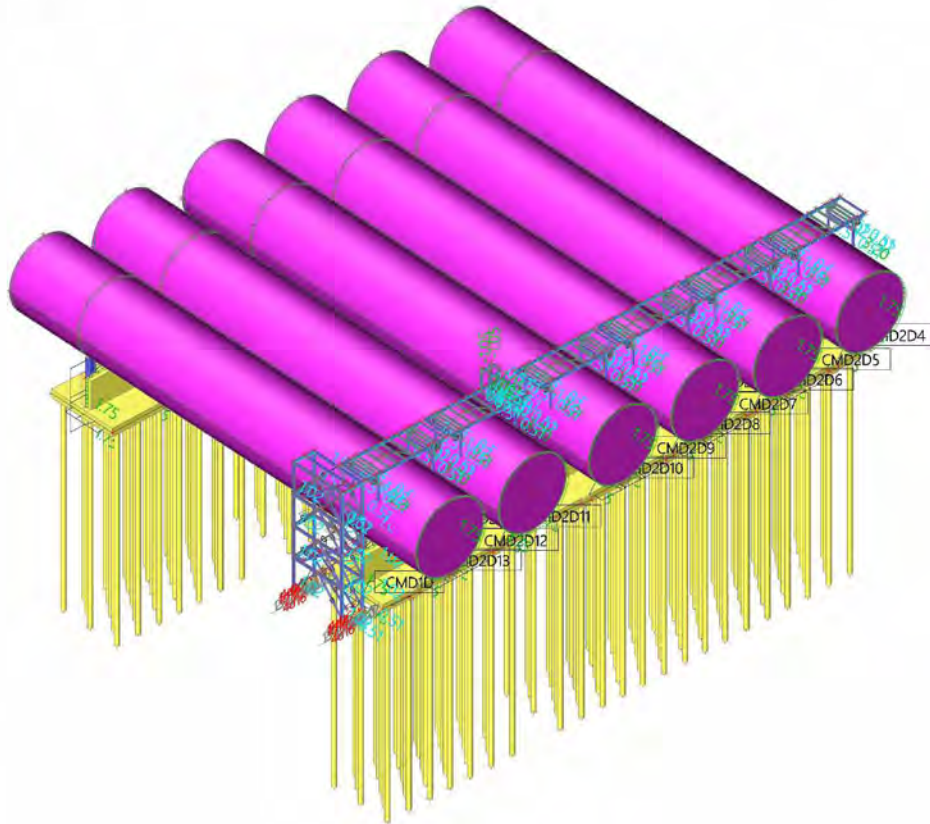
Permanent action - unfavorable	1.35
Permanent action - favorable [-]	0.90
Leading variable action	1.50
Accompanying variable action	1.50
Reduction factor ksi [-]	0.89
Permanent action - unfavorable	1.00
Permanent action - favorable	1.00
Leading variable action	1.30
Accompanying variable action	1.30

2.2. Gen. model description

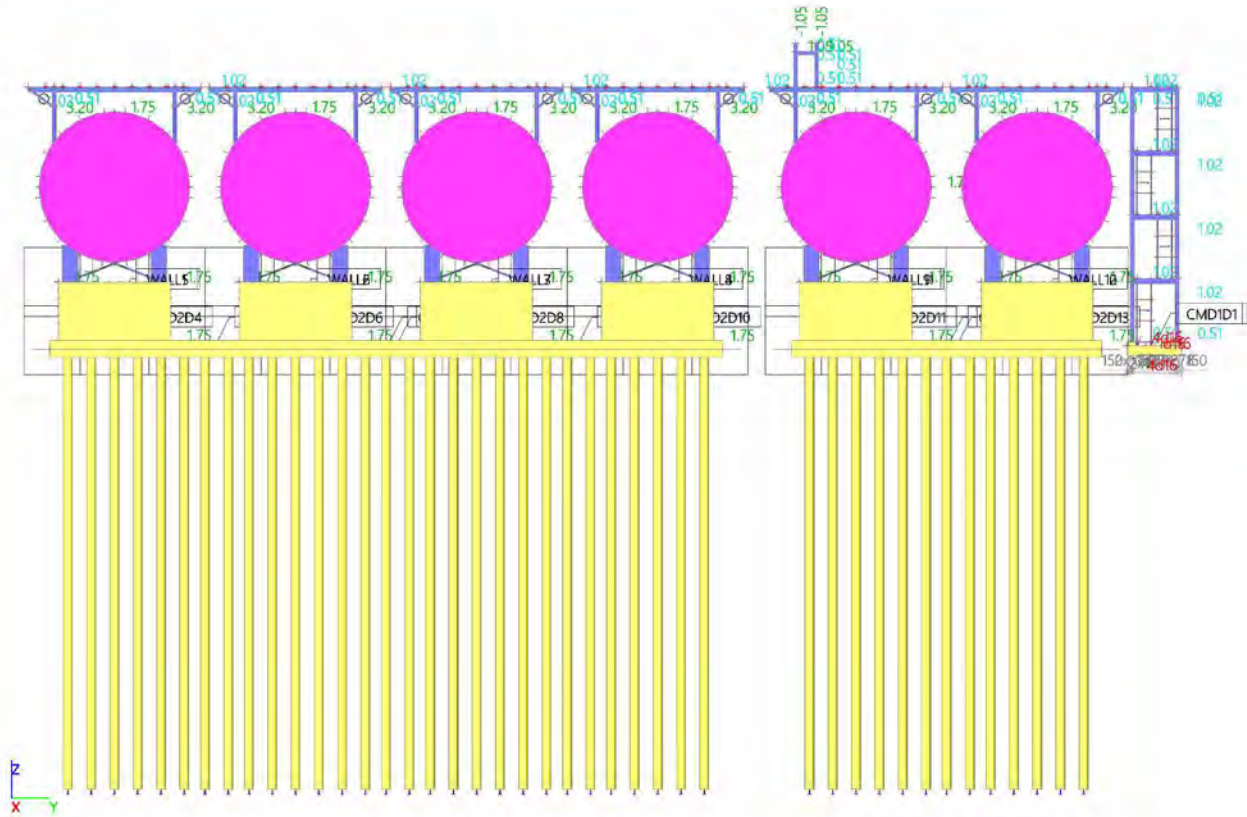
2.2.1. Isometric view



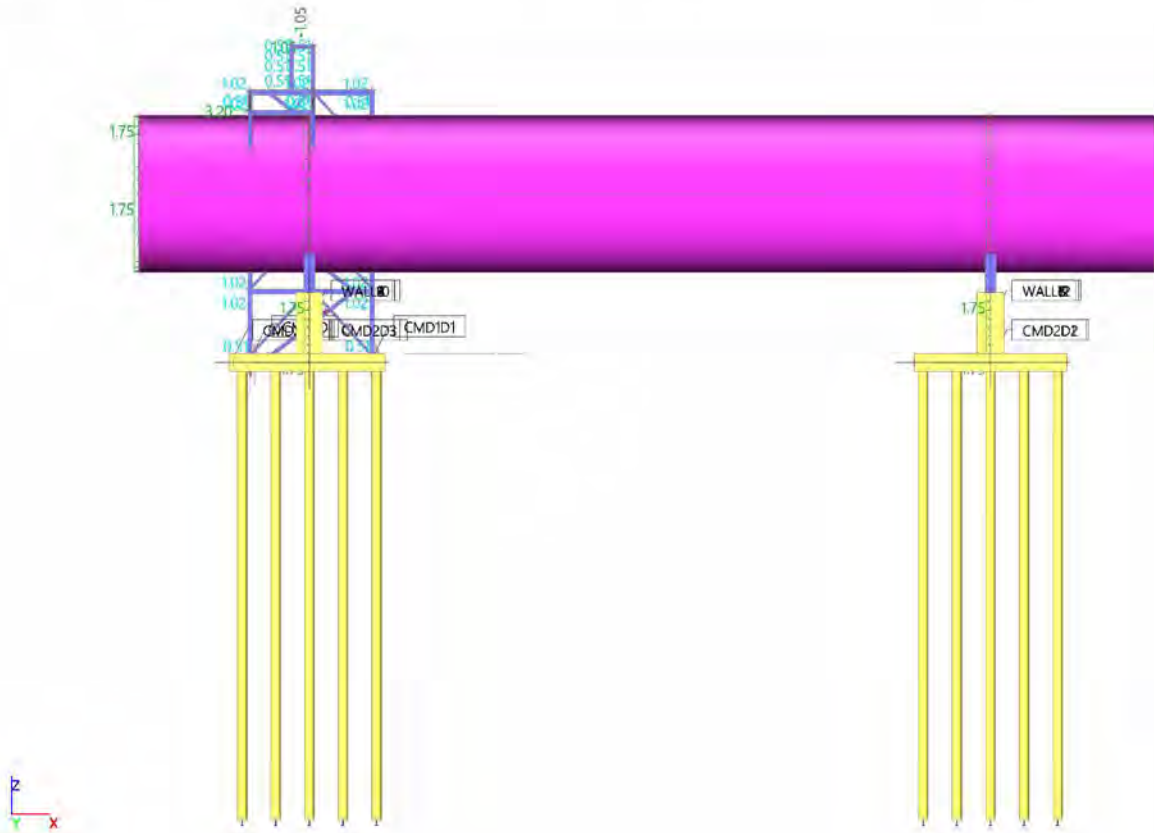
2.2.2. Isometric view



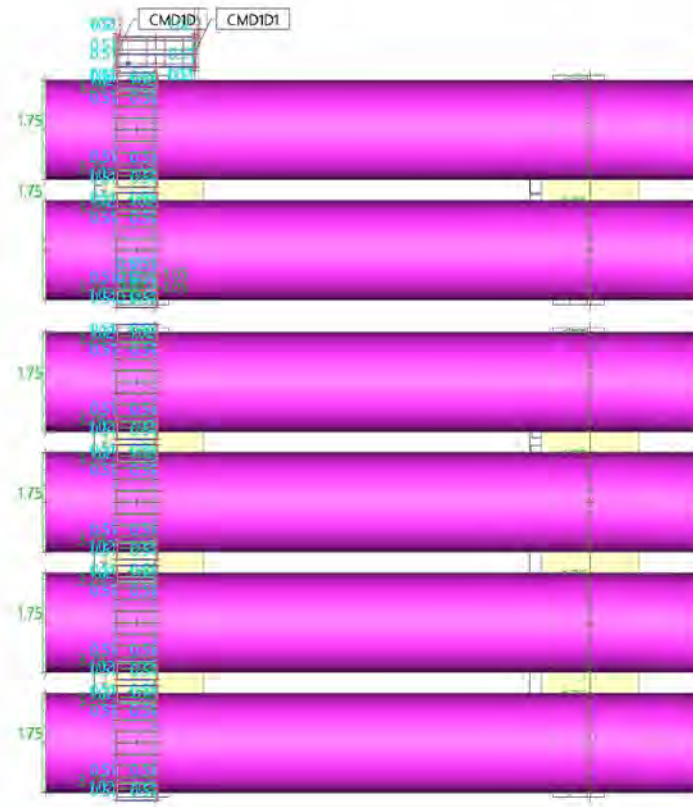
2.2.3. X view



2.2.4. Y view



2.2.5. Z view



2.2.6. Materials

Steel EC3

Name	Unit mass [kg/m ³]	E mod [MPa] G mod [MPa]	Poisson - nu Thermal exp [m/mK]	Lower limit [mm]	Upper limit [mm]	Fy (range) [MPa]	Fu (range) [MPa]
S 235 JR (EN 10025-2)	8000.0	2.1000e+05 8.0769e+04	0.3 0.00	0	3	235.0	360.0
				3	16	235.0	360.0
				16	40	225.0	360.0
				40	63	215.0	360.0
				63	80	215.0	360.0
				80	100	215.0	360.0
				100	150	195.0	350.0
				150	200	185.0	340.0
S 355 J2 (EN 10025-2)	8000.0	2.1000e+05 8.0769e+04	0.3 0.00	0	3	355.0	510.0
				3	16	355.0	470.0
				16	40	345.0	470.0
				40	63	335.0	470.0
				63	80	325.0	470.0
				80	100	315.0	470.0
				100	150	295.0	450.0
				150	200	285.0	450.0
DUMMY STAAL	0.0	2.1000e+05 8.0769e+04	0.3 0.00	0	40	235.0	360.0
				40	80	215.0	360.0

Concrete EC2

Name	Type	Unit mass [kg/m ³]	E mod [MPa]	Poisson - nu	Thermal exp [m/mK]	Characteristic compressive cylinder strength f _{ck} (28) [MPa]
C35/45	Concrete	2500.0	3.4100e+04	0.2	0.00	35.00

Reinforcement EC2

Name	Type	Unit mass [kg/m ³]	E mod [MPa]	G mod [MPa]	Thermal exp [m/mK]	Characteristic yield strength f _{yk} [MPa]
B 500B	Reinforcement steel	7850.0	2.0000e+05	8.3333e+04	0.00	500.0

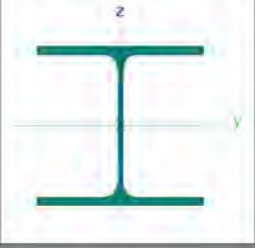
Name	E mod [MPa]	Poisson - nu	Unit mass [kg/m ³]	Log. decrement (non-uniform damping only)	Specific heat [J/gK]
Type	G mod [MPa]				
Rigid	1.0000e+12	0.3	0.0	0.15	6.0000e-01
General material	3.8462e+11				

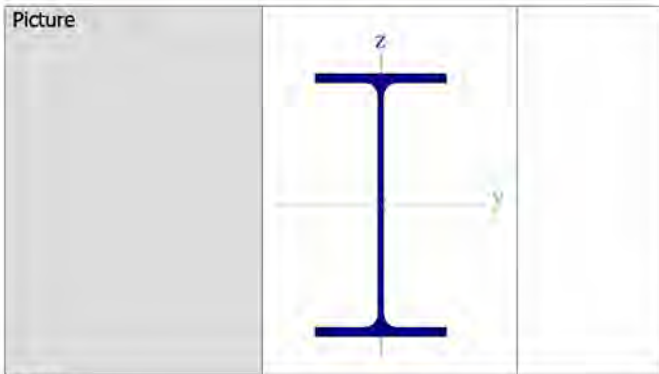
Explanations of symbols

Log. decrement (non-uniform damping only)	This material damping property is used only in case non uniform damping is enabled for dynamic analysis (see project functionality). Please note, that non uniform damping require a specific license, which is not part of the standard dynamic pack.
---	--

2.2.7. Cross-sections

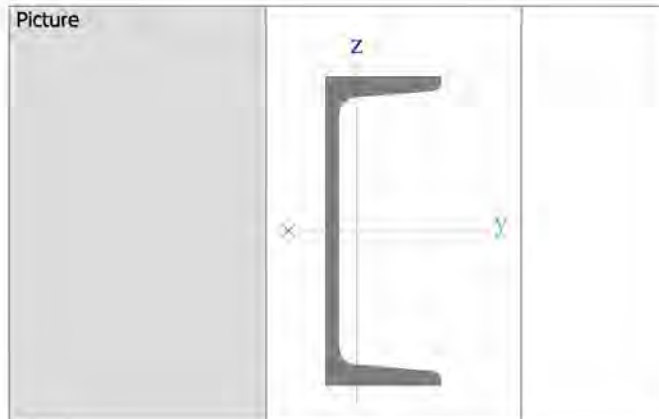
GEN-11		
Type	Rigid	
Detailed	Numerical	
Material	Rigid	
Flexural buckling y-y, Flexural buckling z-z	d	d
A [m ²]	2.1200e-02	
A _y [m ²], A _z [m ²]	1.6076e-02	5.3156e-03
I _y [m ⁴], I _z [m ⁴]	3.4900e-04	1.3400e-04
W _{ely} [m ³], W _{elz} [m ³]	7.2800e-04	2.6800e-04
W _{ply} [m ³], W _{piz} [m ³]	8.2917e-04	4.1125e-04
I _w [m ⁶], I _t [m ⁴]	2.5186e-08	5.2400e-07
d _y [mm], d _z [mm]	0	0
c _{yucs} [mm], c _{zucs} [mm]	0	0
α [deg]	0.00	
M _{ply+} [Nm], M _{ply-} [Nm]	1.95e+03	1.95e+03
M _{piz+} [Nm], M _{piz-} [Nm]	9.67e+02	9.67e+02
AL [m ² /m], AD [m ² /m]	5.6100e+00	5.6100e+00
β _y [mm], β _z [mm]	0	0
ST-11		
Type	HEA240	
Formcode	1 - I section	
Shape type	Thin-walled	
Item material	S 235 JR (EN 10025-2)	
Fabrication	rolled	
Flexural buckling y-y, Flexural buckling z-z	b	c
A [m ²]	7.6800e-03	
A _y [m ²], A _z [m ²]	5.5540e-03	1.8522e-03
I _y [m ⁴], I _z [m ⁴]	7.7600e-05	2.7700e-05
W _{ely} [m ³], W _{elz} [m ³]	6.7500e-04	2.3100e-04
W _{ply} [m ³], W _{piz} [m ³]	7.4583e-04	3.5167e-04
I _w [m ⁶], I _t [m ⁴]	3.2849e-07	4.1600e-07
d _y [mm], d _z [mm]	0	0
c _{yucs} [mm], c _{zucs} [mm]	120	115
α [deg]	0.00	

M _{ply+} [Nm], M _{ply-} [Nm]	1.75e+05	1.75e+05
M _{piz+} [Nm], M _{piz-} [Nm]	8.27e+04	8.27e+04
AL [m ² /m], AD [m ² /m]	1.3700e+00	1.3688e+00
β _y [mm], β _z [mm]	0	0
Picture		
ST-12		
Type	IPE300	
Formcode	1 - I section	
Shape type	Thin-walled	
Item material	S 235 JR (EN 10025-2)	
Fabrication	rolled	
Flexural buckling y-y, Flexural buckling z-z	a	b
A [m ²]	5.3800e-03	
A _y [m ²], A _z [m ²]	3.1835e-03	2.1775e-03
I _y [m ⁴], I _z [m ⁴]	8.3560e-05	6.0400e-06
W _{ely} [m ³], W _{elz} [m ³]	5.5700e-04	8.0500e-05
W _{ply} [m ³], W _{piz} [m ³]	6.2800e-04	1.2500e-04
I _w [m ⁶], I _t [m ⁴]	1.2600e-07	2.0100e-07
d _y [mm], d _z [mm]	0	0
c _{yucs} [mm], c _{zucs} [mm]	75	150
α [deg]	0.00	
M _{ply+} [Nm], M _{ply-} [Nm]	1.48e+05	1.48e+05
M _{piz+} [Nm], M _{piz-} [Nm]	2.94e+04	2.94e+04
AL [m ² /m], AD [m ² /m]	1.1599e+00	1.1599e+00
β _y [mm], β _z [mm]	0	0



ST-13		
Type	HEA140	
Formcode	1 - I section	
Shape type	Thin-walled	
Item material	S 235 JR (EN 10025-2)	
Fabrication	rolled	
Flexural buckling y-y,	b	c
Flexural buckling z-z		
A [m ²]	3.1400e-03	
A _y [m ²], A _z [m ²]	2.2882e-03	7.8192e-04
I _y [m ⁴], I _z [m ⁴]	1.0300e-05	3.8900e-06
W _{ely} [m ³], W _{elz} [m ³]	1.5500e-04	5.5600e-05
W _{ply} [m ³], W _{plz} [m ³]	1.7333e-04	8.5000e-05
I _w [m ⁶], I _t [m ⁴]	1.5064e-08	8.1300e-08
d _y [mm], d _z [mm]	0	0
c _{vucs} [mm], c _{zucs} [mm]	70	66
α [deg]	0.00	
M _{ply+} [Nm], M _{ply-} [Nm]	4.08e+04	4.08e+04
M _{plz+} [Nm], M _{plz-} [Nm]	1.99e+04	1.99e+04
AL [m ² /m], AD [m ² /m]	7.9400e-01	7.9430e-01
β _y [mm], β _z [mm]	0	0
Picture		

ST-14		
Type	UNP200	
Formcode	5 - Channel section	
Shape type	Thin-walled	
Item material	S 235 JR (EN 10025-2)	
Fabrication	rolled	
Flexural buckling y-y,	c	c
Flexural buckling z-z		
A [m ²]	3.2200e-03	
A _y [m ²], A _z [m ²]	1.6758e-03	1.6900e-03
I _y [m ⁴], I _z [m ⁴]	1.9100e-05	1.4800e-06
W _{ely} [m ³], W _{elz} [m ³]	1.9100e-04	2.7000e-05
W _{ply} [m ³], W _{plz} [m ³]	2.2800e-04	5.1800e-05
I _w [m ⁶], I _t [m ⁴]	1.0499e-08	1.2000e-07
d _y [mm], d _z [mm]	-44	0
c _{vucs} [mm], c _{zucs} [mm]	20	100
α [deg]	0.00	
M _{ply+} [Nm], M _{ply-} [Nm]	5.35e+04	5.35e+04
M _{plz+} [Nm], M _{plz-} [Nm]	1.22e+04	1.22e+04
AL [m ² /m], AD [m ² /m]	6.6100e-01	6.6027e-01
β _y [mm], β _z [mm]	0	217



ST-15		
Type	UNP300	
Formcode	5 - Channel section	
Shape type	Thin-walled	
Item material	S 235 JR (EN 10025-2)	
Fabrication	rolled	
Flexural buckling y-y,	c	c
Flexural buckling z-z		
A [m ²]	5.8800e-03	
A _y [m ²], A _z [m ²]	3.0546e-03	2.9933e-03
I _y [m ⁴], I _z [m ⁴]	8.0300e-05	4.9500e-06
W _{ely} [m ³], W _{elz} [m ³]	5.3500e-04	6.7800e-05
W _{ply} [m ³], W _{plz} [m ³]	6.3200e-04	1.3000e-04
I _w [m ⁶], I _t [m ⁴]	7.8943e-08	3.8000e-07
d _y [mm], d _z [mm]	-61	0
c _{vucs} [mm], c _{zucs} [mm]	27	150
α [deg]	0.00	
M _{ply+} [Nm], M _{ply-} [Nm]	1.49e+05	1.49e+05
M _{plz+} [Nm], M _{plz-} [Nm]	3.05e+04	3.05e+04
AL [m ² /m], AD [m ² /m]	9.5000e-01	9.4901e-01
β _y [mm], β _z [mm]	0	326
Picture		

ST-16		
Type	T	
Detailed	900; 600; 30; 30; 15	
Formcode	6 - T section	
Shape type	Thin-walled	
Item material	S 235 JR (EN 10025-2)	
Fabrication	rolled	
Flexural buckling y-y,	c	c
Flexural buckling z-z		
A [m ²]	4.4198e-02	
A _y [m ²], A _z [m ²]	1.6775e-02	2.4777e-02
I _y [m ⁴], I _z [m ⁴]	3.8109e-03	5.4199e-04
W _{ely} [m ³], W _{elz} [m ³]	6.1543e-03	1.8066e-03
W _{ply} [m ³], W _{plz} [m ³]	1.1090e-02	2.8976e-03
I _w [m ⁶], I _t [m ⁴]	1.2856e-35	1.3365e-05
d _y [mm], d _z [mm]	0	-264

Cyucs [mm], Czucs [mm]	300	281
α [deg]	0.00	
M _{ply+} [Nm], M _{ply-} [Nm]	2.61e+06	2.61e+06
M _{plz+} [Nm], M _{plz-} [Nm]	6.81e+05	6.81e+05
AL [m ² /m], AD [m ² /m]	2.9871e+00	2.9871e+00
β y [mm], β z [mm]	682	0
Picture		

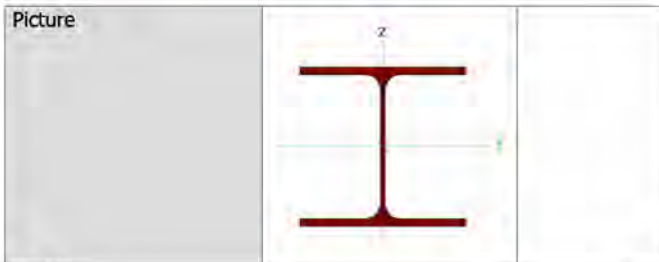
ST-17		
Type	CFCHS219.1X6	
Formcode	3 - Circular hollow section	
Shape type	Thin-walled	
Item material	S 355 J2 (EN 10025-2)	
Fabrication	cold formed	
Flexural buckling y-y,	c	c
Flexural buckling z-z		
A [m ²]	4.0170e-03	
A _y [m ²], A _z [m ²]	2.5572e-03	2.5572e-03
I _y [m ⁴], I _z [m ⁴]	2.2820e-05	2.2820e-05
W _{ely} [m ³], W _{elz} [m ³]	2.0830e-04	2.0830e-04
W _{ply} [m ³], W _{plz} [m ³]	2.7254e-04	2.7254e-04
I _w [m ⁶], I _t [m ⁴]	3.0204e-40	4.5639e-05
d _y [mm], d _z [mm]	0	0
Cyucs [mm], Czucs [mm]	110	110
α [deg]	0.00	
M _{ply+} [Nm], M _{ply-} [Nm]	9.67e+04	9.67e+04
M _{plz+} [Nm], M _{plz-} [Nm]	9.67e+04	9.67e+04
AL [m ² /m], AD [m ² /m]	6.8800e-01	1.3389e+00
β y [mm], β z [mm]	0	0
Picture		

ST-18		
Type	HEA220	
Formcode	1 - I section	
Shape type	Thin-walled	
Item material	S 235 JR (EN 10025-2)	
Fabrication	rolled	
Flexural buckling y-y,	b	c
Flexural buckling z-z		
A [m ²]	6.4300e-03	
A _y [m ²], A _z [m ²]	4.6326e-03	1.5689e-03
I _y [m ⁴], I _z [m ⁴]	5.4100e-05	1.9600e-05
W _{ely} [m ³], W _{elz} [m ³]	5.1500e-04	1.7800e-04
W _{ply} [m ³], W _{plz} [m ³]	5.6667e-04	2.7042e-04
I _w [m ⁶], I _t [m ⁴]	1.9327e-07	2.8500e-07
d _y [mm], d _z [mm]	0	0
Cyucs [mm], Czucs [mm]	110	105
α [deg]	0.00	
M _{ply+} [Nm], M _{ply-} [Nm]	1.34e+05	1.34e+05

M _{plz+} [Nm], M _{plz-} [Nm]	6.36e+04	6.36e+04
AL [m ² /m], AD [m ² /m]	1.2600e+00	1.2550e+00
β y [mm], β z [mm]	0	0
Picture		

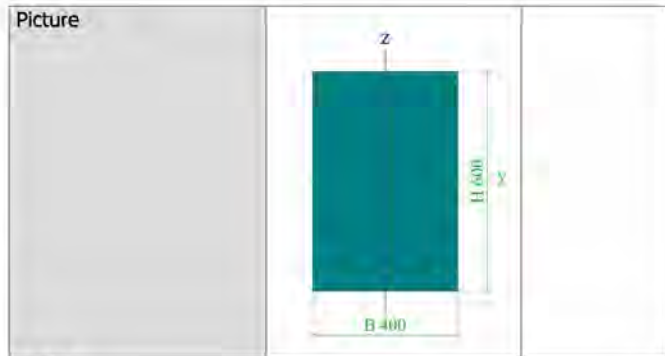
ST-19		
Type	FLA100/20	
Formcode	7 - Full rectangular section	
Shape type	Thin-walled	
Item material	S 235 JR (EN 10025-2)	
Fabrication	rolled	
Flexural buckling y-y,	c	c
Flexural buckling z-z		
A [m ²]	2.0000e-03	
A _y [m ²], A _z [m ²]	1.6667e-03	1.6667e-03
I _y [m ⁴], I _z [m ⁴]	6.6667e-08	1.6667e-06
W _{ely} [m ³], W _{elz} [m ³]	6.6667e-06	3.3333e-05
W _{ply} [m ³], W _{plz} [m ³]	1.0000e-05	5.0000e-05
I _w [m ⁶], I _t [m ⁴]	0.0000e+00	2.6667e-07
d _y [mm], d _z [mm]	0	0
Cyucs [mm], Czucs [mm]	50	10
α [deg]	0.00	
M _{ply+} [Nm], M _{ply-} [Nm]	2.35e+03	2.35e+03
M _{plz+} [Nm], M _{plz-} [Nm]	1.18e+04	1.18e+04
AL [m ² /m], AD [m ² /m]	2.4000e-01	2.4000e-01
β y [mm], β z [mm]	0	0
Picture		

ST-20		
Type	HEA260	
Formcode	1 - I section	
Shape type	Thin-walled	
Item material	S 235 JR (EN 10025-2)	
Fabrication	rolled	
Flexural buckling y-y,	b	c
Flexural buckling z-z		
A [m ²]	8.6800e-03	
A _y [m ²], A _z [m ²]	6.3059e-03	2.0196e-03
I _y [m ⁴], I _z [m ⁴]	1.0500e-04	3.6700e-05
W _{ely} [m ³], W _{elz} [m ³]	8.3600e-04	2.8200e-04
W _{ply} [m ³], W _{plz} [m ³]	9.2083e-04	4.2917e-04
I _w [m ⁶], I _t [m ⁴]	5.1635e-07	5.2400e-07
d _y [mm], d _z [mm]	0	0
Cyucs [mm], Czucs [mm]	130	125
α [deg]	0.00	
M _{ply+} [Nm], M _{ply-} [Nm]	2.16e+05	2.16e+05
M _{plz+} [Nm], M _{plz-} [Nm]	1.01e+05	1.01e+05
AL [m ² /m], AD [m ² /m]	1.4800e+00	1.4836e+00
β y [mm], β z [mm]	0	0



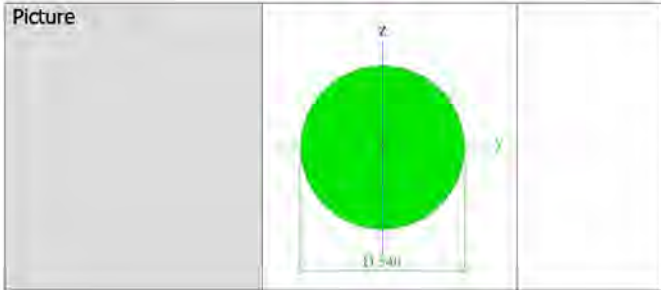
ST-23		
Type	IPE200	
Formcode	1 - I section	
Shape type	Thin-walled	
Item material	S 235 JR (EN 10025-2)	
Fabrication	rolled	
Flexural buckling y-y	a	b
Flexural buckling z-z		
A [m ²]	2.8500e-03	
A _y [m ²], A _z [m ²]	1.7729e-03	1.1448e-03
I _y [m ⁴], I _z [m ⁴]	1.9430e-05	1.4200e-06
W _{ely} [m ³], W _{elz} [m ³]	1.9400e-04	2.8500e-05
W _{ply} [m ³], W _{plz} [m ³]	2.2100e-04	4.4600e-05
I _w [m ⁶], I _t [m ⁴]	1.3000e-08	6.9800e-08
d _y [mm], d _z [mm]	0	0
c _{yucs} [mm], c _{zucs} [mm]	50	100
α [deg]	0.00	
M _{ply+} [Nm], M _{ply-} [Nm]	5.19e+04	5.19e+04
M _{plz+} [Nm], M _{plz-} [Nm]	1.05e+04	1.05e+04
AL [m ² /m], AD [m ² /m]	7.6810e-01	7.6810e-01
β _y [mm], β _z [mm]	0	0
Picture		

CT-11		
Type	Rectangle	
Detailed	600; 400	
Shape type	Thick-walled	
Item material	C35/45	
Fabrication	concrete	
A [m ²]	2.4000e-01	
A _y [m ²], A _z [m ²]	2.0031e-01	2.0014e-01
I _y [m ⁴], I _z [m ⁴]	7.2000e-03	3.2000e-03
W _{ely} [m ³], W _{elz} [m ³]	2.4000e-02	1.6000e-02
W _{ply} [m ³], W _{plz} [m ³]	0.0000e+00	0.0000e+00
I _w [m ⁶], I _t [m ⁴]	1.5315e-05	7.5061e-03
d _y [mm], d _z [mm]	0	0
c _{yucs} [mm], c _{zucs} [mm]	200	300
α [deg]	0.00	
M _{ply+} [Nm], M _{ply-} [Nm]	0.00e+00	0.00e+00
M _{plz+} [Nm], M _{plz-} [Nm]	0.00e+00	0.00e+00
AL [m ² /m], AD [m ² /m]	2.0000e+00	2.0000e+00
β _y [mm], β _z [mm]	0	0



CT-12		
Type	Rectangle	
Detailed	400; 400	
Shape type	Thick-walled	
Item material	C35/45	
Fabrication	concrete	
A [m ²]	1.6000e-01	
A _y [m ²], A _z [m ²]	1.3348e-01	1.3348e-01
I _y [m ⁴], I _z [m ⁴]	2.1333e-03	2.1333e-03
W _{ely} [m ³], W _{elz} [m ³]	1.0667e-02	1.0667e-02
W _{ply} [m ³], W _{plz} [m ³]	0.0000e+00	0.0000e+00
I _w [m ⁶], I _t [m ⁴]	5.1662e-07	3.5938e-03
d _y [mm], d _z [mm]	0	0
c _{yucs} [mm], c _{zucs} [mm]	200	200
α [deg]	0.00	
M _{ply+} [Nm], M _{ply-} [Nm]	0.00e+00	0.00e+00
M _{plz+} [Nm], M _{plz-} [Nm]	0.00e+00	0.00e+00
AL [m ² /m], AD [m ² /m]	1.6000e+00	1.6000e+00
β _y [mm], β _z [mm]	0	0
Picture		

ST-21		
Type	Circle	
Detailed	540	
Shape type	Thick-walled	
Item material	C35/45	
Fabrication	concrete	
A [m ²]	2.2902e-01	
A _y [m ²], A _z [m ²]	2.0573e-01	2.0573e-01
I _y [m ⁴], I _z [m ⁴]	4.1739e-03	4.1739e-03
W _{ely} [m ³], W _{elz} [m ³]	1.5459e-02	1.5459e-02
W _{ply} [m ³], W _{plz} [m ³]	2.6244e-02	2.6244e-02
I _w [m ⁶], I _t [m ⁴]	1.2710e-14	8.3673e-03
d _y [mm], d _z [mm]	0	0
c _{yucs} [mm], c _{zucs} [mm]	270	270
α [deg]	0.00	
M _{ply+} [Nm], M _{ply-} [Nm]	0.00e+00	0.00e+00
M _{plz+} [Nm], M _{plz-} [Nm]	0.00e+00	0.00e+00
AL [m ² /m], AD [m ² /m]	1.6964e+00	1.6964e+00
β _y [mm], β _z [mm]	0	0

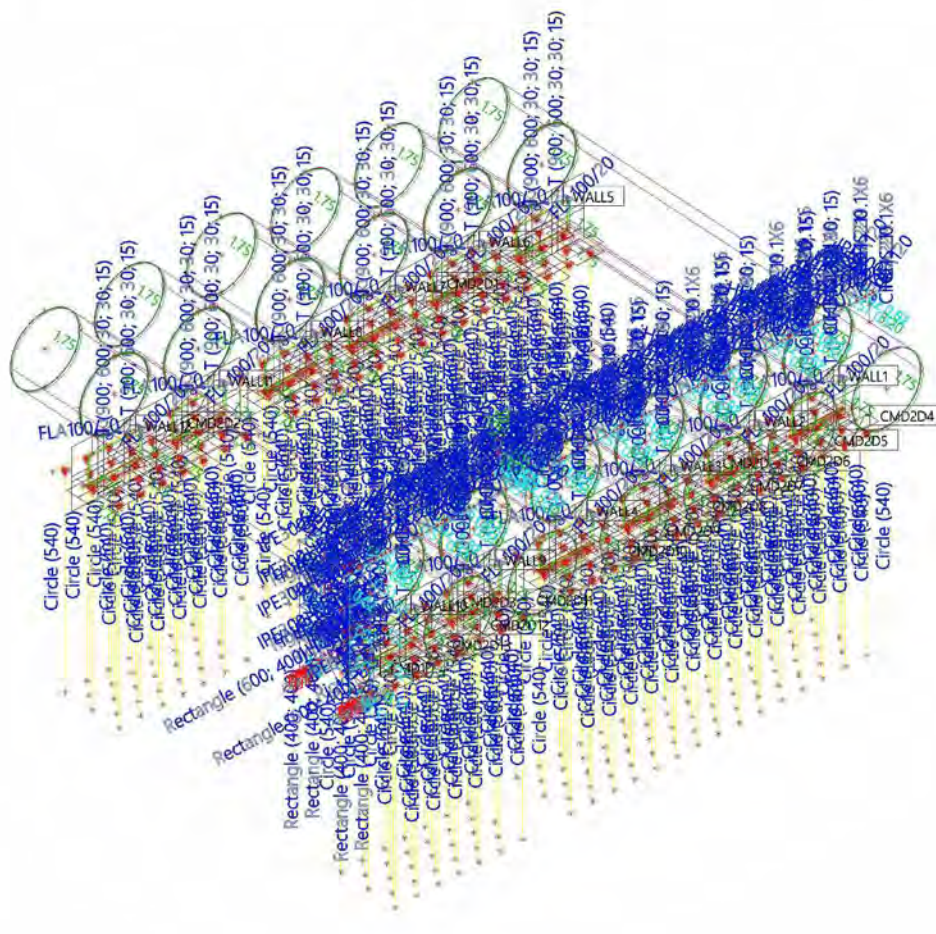


ST-24		
Type	HEA120	
Formcode	1 - I section	
Shape type	Thin-walled	
Item material	S 235 JR (EN 10025-2)	
Fabrication	rolled	
Flexural buckling y-y,	b	c
Flexural buckling z-z		
A [m ²]	2.5300e-03	
A _y [m ²], A _z [m ²]	1.8775e-03	6.1698e-04
I _y [m ⁴], I _z [m ⁴]	6.0600e-06	2.3100e-06
W _{ely} [m ³], W _{elz} [m ³]	1.0600e-04	3.8500e-05
W _{ply} [m ³], W _{plz} [m ³]	1.1958e-04	5.8750e-05
I _w [m ⁶], I _t [m ⁴]	6.4719e-09	5.9900e-08
d _y [mm], d _z [mm]	0	0
c _{yucs} [mm], c _{zucs} [mm]	60	57
α [deg]	0.00	
M _{ply+} [Nm], M _{ply-} [Nm]	2.81e+04	2.81e+04
M _{plz+} [Nm], M _{plz-} [Nm]	1.38e+04	1.38e+04
AL [m ² /m], AD [m ² /m]	6.7700e-01	6.7730e-01
β _y [mm], β _z [mm]	0	0
Picture		

Explanations of symbols	
Formcode	Mono-symmetry constant about the principal y-axis
A	Area
A _y	Shear Area in principal y-direction
A _z	Shear Area in principal z-direction
I _y	Second moment of area about the principal y-axis
I _z	Second moment of area about the principal z-axis
W _{ely}	Elastic section modulus about the principal y-axis
W _{elz}	Elastic section modulus about the principal z-axis
W _{ply}	Plastic section modulus about the principal y-axis
W _{plz}	Plastic section modulus about the principal z-axis
I _w	Warping constant
I _t	Torsional constant
d _y	Shear center coordinate in principal y-direction measured from the centroid

Explanations of symbols	
d _z	Shear center coordinate in principal z-direction measured from the centroid
c _{yucs}	Centroid coordinate in Y-direction of Input axis system
c _{zucs}	Centroid coordinate in Z-direction of Input axis system
α	Rotation angle of the principal axis system
I _{yzlcs}	Product moment of area in the LCS system
M _{ply+}	Plastic moment about the principal y-axis for a positive My moment
M _{ply-}	Plastic moment about the principal y-axis for a negative My moment
M _{plz+}	Plastic moment about the principal z-axis for a positive Mz moment
M _{plz-}	Plastic moment about the principal z-axis for a negative Mz moment
AL	Circumference per unit length
AD	Drying surface per unit length
β _y	Mono-symmetry constant about the principal y-axis
β _z	Mono-symmetry constant about the principal z-axis

2.2.8. Analysis model



2.2.9. Layers

Name	Structural model only
Foundation	*
Stairs	*
Dummy	*
Walkway	*

2.2.10. UCS

Current UCS			
Type	vector		
X [m], Y [m], Z [m]	0.000	0.000	0.000
X-X, X-Y, X-Z	1	0	0
Y-X, Y-Y, Y-Z	0	1	0
Z-X, Z-Y, Z-Z	0	0	1

2.3. Model data

2.3.1. Mesh setup

Name	NetInstelling1
Minimal distance between definition point and line [m]	0.001
Average number of 1D mesh elements on straight 1D members	1
Average size of 2D mesh element [m]	0.400
Definition of mesh element size for panels	Manual
Average size of panel element [m]	1.000
Elastic mesh	✓
Use automatic mesh refinement	x
Minimal length of beam element [m]	0.100
Maximal length of beam element [m]	1000.000
Average size of tendons, elements on subsoil, nonlinear soil spring [m]	1.000
Generation of nodes in connections of beam elements	x
Generation of variable eccentricities on members instead of constant ones	x
Division on haunches and arbitrary members	5
Division for integration strip and 2D-1D upgrade	50
Mesh refinement following the beam type	None
Maximal out of plane angle of a quadrilateral [mrad]	30.0
Predefined mesh ratio	1.5

2.3.2. Solver setup

Name	SolverSetup1
Neglect shear force deformation (Ay, Az >> A)	x
Initial stress	x
Use IRS (Improved Reduced System) method	x
Apply property modifiers	✓
Number of thicknesses of rib plate	20
Maximum soil interaction iterations	10
Maximum iterations	20
Number of increments	1
Number of buckling modes	2
Number of sections on average member	10
Number of eigenmodes	10
Step for soil/water pressure [m]	0.500
C1x [MN/m ³]	1.0000e-01
C1y [MN/m ³]	1.0000e-01
C1z [MN/m ³]	1.0000e+01
C2x [MN/m]	5.0000e+00
C2y [MN/m]	5.0000e+00
Coefficient for reinforcement	1
Warning when maximal translation is greater than [mm]	1000.0
Warning when maximal rotation is greater than [mrad]	100.0
Parallelism tolerance [deg]	10.00
Span length ratio Le/beff,i,max (1 side) [-]	8.00
Simply supported beam [-]	1.00
Inner span [-]	0.70
End span [-]	0.85
Cantilever [-]	2.00
Solver precision ratio	1
Soil combination	None
Plastic hinge code	No code
Bending theory of plate/shell analysis	Mindlin
Type of solver	Direct
Type of eigen value solver	Lanczos
Type of eigen value solver	Lanczos
Method of calculation	Picard

2.3.3. 1D

2.3.3.1. Nodes

Name	Coord X [m]	Coord Y [m]	Coord Z [m]
K1	8.250	1.000	-0.500
K2	16.750	1.000	-0.500
K3	16.750	40.000	-0.500

Name	Coord X [m]	Coord Y [m]	Coord Z [m]
K4	8.250	40.000	-0.500
K5	12.500	1.500	0.000
K6	12.500	8.000	0.000

Name	Coord X [m]	Coord Y [m]	Coord Z [m]
K7	12.500	8.000	3.400
K8	12.500	1.500	3.400
K9	12.500	12.000	0.000

Name	Coord X [m]	Coord Y [m]	Coord Z [m]
K10	12.500	18.500	0.000
K11	12.500	18.500	3.400
K12	12.500	12.000	3.400
K13	12.500	22.500	0.000
K14	12.500	29.000	0.000
K15	12.500	29.000	3.400
K16	12.500	22.500	3.400
K17	12.500	33.000	0.000
K18	12.500	39.500	0.000
K19	12.500	39.500	3.400
K20	12.500	33.000	3.400
K21	46.250	1.000	-0.500
K22	54.750	1.000	-0.500
K23	54.750	40.000	-0.500
K24	46.250	40.000	-0.500
K25	50.500	1.500	0.000
K26	50.500	8.000	0.000
K27	50.500	8.000	3.400
K28	50.500	1.500	3.400
K29	50.500	12.000	0.000
K30	50.500	18.500	0.000
K31	50.500	18.500	3.400
K32	50.500	12.000	3.400
K33	50.500	22.500	0.000
K34	50.500	29.000	0.000
K35	50.500	29.000	3.400
K36	50.500	22.500	3.400
K37	50.500	33.000	0.000
K38	50.500	39.500	0.000
K39	50.500	39.500	3.400
K40	50.500	33.000	3.400
K41	12.500	51.000	3.400
K42	50.500	51.000	3.400
K43	50.500	55.000	3.400
K44	12.500	44.500	0.000
K45	12.500	51.000	0.000
K46	12.500	44.500	3.400
K47	12.500	55.000	0.000
K48	12.500	61.500	0.000
K49	12.500	61.500	3.400
K50	12.500	55.000	3.400
K51	50.500	44.500	0.000
K52	50.500	51.000	0.000
K53	50.500	44.500	3.400
K54	50.500	55.000	0.000
K55	50.500	61.500	0.000
K56	50.500	61.500	3.400
K57	46.250	44.000	-0.500
K58	54.750	44.000	-0.500
K59	54.750	62.000	-0.500
K60	46.250	62.000	-0.500
K61	8.250	44.000	-0.500
K62	16.750	44.000	-0.500
K63	16.750	62.000	-0.500
K64	8.250	62.000	-0.500
K65	3.000	4.750	13.250
K66	3.000	0.400	8.900
K68	60.000	0.400	8.900
K69	60.000	4.750	13.250
K72	3.000	4.750	4.550
K74	60.000	4.750	4.550
K75	3.000	15.250	13.250
K76	3.000	10.900	8.900
K78	60.000	10.900	8.900
K79	60.000	15.250	13.250
K82	3.000	15.250	4.550
K84	60.000	15.250	4.550

Name	Coord X [m]	Coord Y [m]	Coord Z [m]
K85	3.000	25.750	13.250
K86	3.000	21.400	8.900
K88	60.000	21.400	8.900
K89	60.000	25.750	13.250
K92	3.000	25.750	4.550
K94	60.000	25.750	4.550
K95	3.000	36.250	13.250
K96	3.000	31.900	8.900
K98	60.000	31.900	8.900
K99	60.000	36.250	13.250
K102	3.000	36.250	4.550
K104	60.000	36.250	4.550
K105	3.000	52.100	8.900
K106	3.000	43.400	8.900
K107	3.000	47.750	13.250
K108	60.000	43.400	8.900
K109	60.000	47.750	13.250
K112	3.000	47.750	4.550
K114	60.000	47.750	4.550
K115	3.000	58.250	13.250
K116	3.000	53.900	8.900
K118	60.000	53.900	8.900
K119	60.000	58.250	13.250
K122	3.000	58.250	4.550
K124	60.000	58.250	4.550
K126	3.000	4.750	8.900
K128	3.000	15.250	8.900
K130	3.000	25.750	8.900
K132	3.000	36.250	8.900
K134	3.000	47.750	8.900
K136	3.000	58.250	8.900
K138	60.000	4.750	8.900
K140	60.000	15.250	8.900
K142	60.000	25.750	8.900
K144	60.000	36.250	8.900
K146	60.000	47.750	8.900
K148	60.000	58.250	8.900
K150	12.500	2.000	3.400
K151	12.500	7.500	3.400
K157	12.500	2.000	5.530
K158	12.500	7.500	5.530
K159	50.500	2.000	3.400
K160	50.500	2.000	5.530
K161	50.500	7.500	3.400
K162	50.500	7.500	5.530
K163	12.500	12.500	3.400
K164	12.500	12.500	5.530
K165	12.500	18.000	3.400
K166	12.500	18.000	5.530
K167	50.500	12.500	3.400
K168	50.500	12.500	5.530
K169	50.500	18.000	3.400
K170	50.500	18.000	5.530
K171	12.500	23.000	3.400
K172	12.500	23.000	5.530
K173	12.500	28.500	3.400
K174	12.500	28.500	5.530
K175	50.500	23.000	3.400
K176	50.500	23.000	5.530
K177	50.500	28.500	3.400
K178	50.500	28.500	5.530
K179	12.500	33.500	3.400
K180	12.500	33.500	5.530
K181	12.500	39.000	3.400
K182	12.500	39.000	5.530
K183	50.500	33.500	3.400
K184	50.500	33.500	5.530

Name	Coord X [m]	Coord Y [m]	Coord Z [m]
K185	50.500	39.000	3.400
K186	50.500	39.000	5.530
K187	12.500	45.000	3.400
K188	12.500	45.000	5.530
K189	12.500	50.500	3.400
K190	12.500	50.500	5.530
K191	50.500	45.000	3.400
K192	50.500	45.000	5.530
K193	50.500	50.500	3.400
K194	50.500	50.500	5.530
K195	12.500	55.500	3.400
K196	12.500	55.500	5.530
K197	12.500	61.000	3.400
K198	12.500	61.000	5.530
K199	50.500	55.500	3.400
K200	50.500	55.500	5.530
K201	50.500	61.000	3.400
K202	50.500	61.000	5.530
K203	9.200	63.450	-0.300
K204	9.200	66.650	-0.300
K205	16.000	63.450	-0.300
K206	16.000	66.650	-0.300
K207	9.200	66.350	-0.100
K208	9.200	66.350	14.700
K209	9.200	63.750	-0.100
K210	9.200	63.750	14.700
K211	16.000	63.750	-0.100
K212	16.000	63.750	14.700
K213	16.000	66.350	-0.100
K214	16.000	66.350	14.700
K215	9.200	66.350	11.000
K216	16.000	66.350	11.000
K217	9.200	63.750	11.000
K218	16.000	63.750	11.000
K219	9.200	66.350	7.300
K220	16.000	66.350	7.300
K221	9.200	63.750	7.300
K222	16.000	63.750	7.300
K223	9.200	66.350	3.600
K224	16.000	66.350	3.600
K225	9.200	63.750	3.600
K226	16.000	63.750	3.600
K251	9.200	63.750	-0.300
K252	16.000	63.750	-0.300
K253	9.200	66.350	-0.300
K254	16.000	66.350	-0.300
K255	12.600	66.350	3.600
K256	12.600	63.750	3.600
K257	12.600	66.350	7.300
K258	12.600	63.750	7.300
K259	12.600	66.350	11.000
K260	12.600	63.750	11.000
K261	12.600	66.350	14.700
K262	12.600	63.750	14.700
K264	15.000	64.050	3.600
K265	10.200	64.050	-0.100
K266	10.200	64.857	-0.100
K267	15.000	64.857	3.600
K268	16.000	64.857	3.600
K269	16.000	64.050	3.600
K270	10.200	64.857	7.300
K271	15.000	64.857	11.000
K272	16.000	64.857	11.000
K273	16.000	64.050	11.000
K274	15.000	64.050	11.000
K275	10.200	64.050	7.300
K276	9.200	64.050	7.300

Name	Coord X [m]	Coord Y [m]	Coord Z [m]
K277	9.200	64.857	7.300
K286	15.000	65.243	11.000
K287	10.200	65.243	14.700
K288	9.200	65.243	14.700
K289	9.200	66.050	14.700
K290	10.200	66.050	14.700
K291	15.000	66.050	11.000
K292	16.000	66.050	11.000
K293	16.000	65.243	11.000
K294	16.000	65.243	3.600
K295	15.000	65.243	3.600
K296	10.200	65.243	7.300
K297	9.200	65.243	7.300
K298	9.200	66.050	7.300
K299	10.200	66.050	7.300
K300	15.000	66.050	3.600
K301	16.000	66.050	3.600
K302	9.200	64.857	14.700
K306	16.000	64.857	14.700
K311	9.200	1.250	13.565
K313	9.200	8.250	13.565
K315	12.700	8.250	13.565
K317	12.700	1.250	13.565
K319	12.700	1.250	11.483
K320	9.200	8.250	11.483
K321	12.700	8.250	11.483
K322	9.200	1.250	11.483
K323	9.200	18.750	11.483
K324	9.200	18.750	13.565
K325	12.700	18.750	11.483
K326	12.700	18.750	13.565
K327	12.700	11.750	11.483
K328	12.700	11.750	13.565
K329	9.200	11.750	11.483
K330	9.200	11.750	13.565
K331	9.200	29.250	11.483
K332	9.200	29.250	13.565
K333	12.700	29.250	11.483
K334	12.700	29.250	13.565
K335	12.700	22.250	11.483
K336	12.700	22.250	13.565
K337	9.200	22.250	11.483
K338	9.200	22.250	13.565
K339	9.200	39.750	11.483
K340	9.200	39.750	13.565
K341	12.700	39.750	11.483
K342	12.700	39.750	13.565
K343	12.700	32.750	11.483
K344	12.700	32.750	13.565
K345	9.200	32.750	11.483
K346	9.200	32.750	13.565
K347	9.200	51.250	11.483
K348	9.200	51.250	13.565
K349	12.700	51.250	11.483
K350	12.700	51.250	13.565
K351	12.700	44.250	11.483
K352	12.700	44.250	13.565
K353	9.200	44.250	11.483
K354	9.200	44.250	13.565
K355	9.200	61.750	11.483
K356	9.200	61.750	13.565
K357	12.700	61.750	11.483
K358	12.700	61.750	13.565
K359	12.700	54.750	11.483
K360	12.700	54.750	13.565
K361	9.200	54.750	11.483
K362	9.200	54.750	13.565

Name	Coord X [m]	Coord Y [m]	Coord Z [m]
K363	9.200	61.750	14.700
K364	12.700	61.750	14.700
K365	9.200	54.750	14.700
K366	12.700	54.750	14.700
K367	9.200	51.250	14.700
K368	12.700	51.250	14.700
K369	9.200	44.250	14.700
K370	12.700	44.250	14.700
K371	9.200	39.750	14.700
K372	12.700	39.750	14.700
K373	9.200	32.750	14.700
K374	12.700	32.750	14.700
K375	9.200	29.250	14.700
K376	12.700	29.250	14.700
K377	9.200	22.250	14.700
K378	12.700	22.250	14.700
K379	9.200	18.750	14.700
K380	12.700	18.750	14.700
K381	9.200	11.750	14.700
K382	12.700	11.750	14.700
K383	9.200	8.250	14.700
K384	12.700	8.250	14.700
K385	9.200	1.250	14.700
K386	12.700	1.250	14.700
K391	9.200	15.250	14.700
K392	12.700	15.250	14.700
K393	9.200	16.250	14.700
K394	12.700	16.250	14.700
K395	9.200	17.250	14.700
K396	12.700	17.250	14.700
K397	9.200	18.250	14.700
K398	12.700	18.250	14.700
K399	9.200	12.250	14.700
K400	12.700	12.250	14.700
K401	9.200	13.250	14.700
K402	12.700	13.250	14.700
K403	9.200	14.250	14.700
K404	12.700	14.250	14.700
K407	9.200	10.250	14.700
K408	12.700	10.250	14.700
K409	9.200	11.250	14.700
K410	12.700	11.250	14.700
K411	9.200	19.250	14.700
K412	12.700	19.250	14.700
K413	9.200	20.250	14.700
K414	12.700	20.250	14.700
K415	9.200	-0.250	14.700
K416	12.700	-0.250	14.700
K417	9.200	4.750	14.700
K418	12.700	4.750	14.700
K419	9.200	5.750	14.700
K420	12.700	5.750	14.700
K421	9.200	6.750	14.700
K422	12.700	6.750	14.700
K423	9.200	7.750	14.700
K424	12.700	7.750	14.700
K425	9.200	1.750	14.700
K426	12.700	1.750	14.700
K427	9.200	2.750	14.700
K428	12.700	2.750	14.700
K429	9.200	3.750	14.700
K430	12.700	3.750	14.700
K431	9.200	0.750	14.700
K432	12.700	0.750	14.700
K433	9.200	8.750	14.700
K434	12.700	8.750	14.700
K435	9.200	9.750	14.700

Name	Coord X [m]	Coord Y [m]	Coord Z [m]
K436	12.700	9.750	14.700
K437	9.200	24.750	14.700
K438	9.200	25.750	14.700
K439	12.700	25.750	14.700
K440	9.200	26.750	14.700
K441	12.700	26.750	14.700
K442	9.200	27.750	14.700
K443	12.700	27.750	14.700
K444	9.200	28.750	14.700
K445	12.700	28.750	14.700
K446	9.200	22.750	14.700
K447	12.700	22.750	14.700
K448	9.200	23.750	14.700
K449	12.700	23.750	14.700
K450	12.700	24.750	14.700
K451	9.200	20.750	14.700
K452	12.700	20.750	14.700
K453	9.200	21.750	14.700
K454	12.700	21.750	14.700
K455	9.200	29.750	14.700
K456	12.700	29.750	14.700
K457	9.200	30.750	14.700
K458	12.700	30.750	14.700
K459	9.200	35.250	14.700
K460	9.200	36.250	14.700
K461	12.700	36.250	14.700
K462	9.200	37.250	14.700
K463	12.700	37.250	14.700
K464	9.200	38.250	14.700
K465	12.700	38.250	14.700
K466	9.200	39.250	14.700
K467	12.700	39.250	14.700
K468	9.200	33.250	14.700
K469	12.700	33.250	14.700
K470	9.200	34.250	14.700
K471	12.700	34.250	14.700
K472	12.700	35.250	14.700
K473	9.200	31.250	14.700
K474	12.700	31.250	14.700
K475	9.200	32.250	14.700
K476	12.700	32.250	14.700
K477	9.200	40.250	14.700
K478	12.700	40.250	14.700
K479	9.200	41.250	14.700
K480	12.700	41.250	14.700
K481	9.200	46.750	14.700
K482	9.200	47.750	14.700
K483	12.700	47.750	14.700
K484	9.200	48.750	14.700
K485	12.700	48.750	14.700
K486	9.200	49.750	14.700
K487	12.700	49.750	14.700
K488	9.200	50.750	14.700
K489	12.700	50.750	14.700
K490	9.200	44.750	14.700
K491	12.700	44.750	14.700
K492	9.200	45.750	14.700
K493	12.700	45.750	14.700
K494	12.700	46.750	14.700
K495	9.200	42.750	14.700
K496	12.700	42.750	14.700
K497	9.200	43.750	14.700
K498	12.700	43.750	14.700
K499	9.200	51.750	14.700
K500	12.700	51.750	14.700
K501	9.200	52.750	14.700
K502	12.700	52.750	14.700

Name	Coord X [m]	Coord Y [m]	Coord Z [m]
K503	9.200	57.250	14.700
K504	9.200	58.250	14.700
K505	12.700	58.250	14.700
K506	9.200	59.250	14.700
K507	12.700	59.250	14.700
K508	9.200	60.250	14.700
K509	12.700	60.250	14.700
K510	9.200	61.250	14.700
K511	12.700	61.250	14.700
K512	9.200	55.250	14.700
K513	12.700	55.250	14.700
K514	9.200	56.250	14.700
K515	12.700	56.250	14.700
K516	12.700	57.250	14.700
K517	9.200	53.250	14.700
K518	12.700	53.250	14.700
K519	9.200	54.250	14.700
K520	12.700	54.250	14.700
K521	9.200	62.250	14.700
K522	12.700	62.250	14.700
K523	9.200	63.250	14.700
K524	12.700	63.250	14.700
K525	12.700	44.250	17.230
K526	12.700	45.450	14.700
K527	12.700	45.450	17.230
K528	11.500	45.450	14.700
K529	11.500	45.450	17.230
K530	11.500	44.250	14.700
K531	11.500	44.250	17.230
K532	11.500	44.250	16.770
K533	11.500	45.450	16.770
K534	12.700	44.250	16.770
K535	12.700	45.450	16.770
K536	11.500	45.750	14.700
K537	11.500	43.750	14.700
K538	11.500	44.750	14.700
K539	8.750	2.050	-26.000
K540	8.750	2.050	-1.000
K541	16.250	2.050	-26.000
K542	16.250	2.050	-1.000
K543	8.750	4.750	-26.000
K544	8.750	4.750	-1.000
K545	16.250	4.750	-26.000
K546	16.250	4.750	-1.000
K547	8.750	7.450	-26.000
K548	8.750	7.450	-1.000
K549	16.250	7.450	-26.000
K550	16.250	7.450	-1.000
K551	8.750	12.550	-26.000
K552	8.750	12.550	-1.000
K553	16.250	12.550	-26.000
K554	16.250	12.550	-1.000
K555	8.750	15.250	-26.000
K556	8.750	15.250	-1.000
K557	16.250	15.250	-26.000
K558	16.250	15.250	-1.000
K559	8.750	17.950	-26.000
K560	8.750	17.950	-1.000
K561	16.250	17.950	-26.000
K562	16.250	17.950	-1.000
K563	8.750	23.050	-26.000
K564	8.750	23.050	-1.000
K565	16.250	23.050	-26.000
K566	16.250	23.050	-1.000
K567	8.750	25.750	-26.000
K568	8.750	25.750	-1.000
K569	16.250	25.750	-26.000

Name	Coord X [m]	Coord Y [m]	Coord Z [m]
K570	16.250	25.750	-1.000
K571	8.750	28.450	-26.000
K572	8.750	28.450	-1.000
K573	16.250	28.450	-26.000
K574	16.250	28.450	-1.000
K575	8.750	33.550	-26.000
K576	8.750	33.550	-1.000
K577	16.250	33.550	-26.000
K578	16.250	33.550	-1.000
K579	8.750	36.250	-26.000
K580	8.750	36.250	-1.000
K581	16.250	36.250	-26.000
K582	16.250	36.250	-1.000
K583	8.750	38.950	-26.000
K584	8.750	38.950	-1.000
K585	16.250	38.950	-26.000
K586	16.250	38.950	-1.000
K587	8.750	45.050	-26.000
K588	8.750	45.050	-1.000
K589	16.250	45.050	-26.000
K590	16.250	45.050	-1.000
K591	8.750	47.750	-26.000
K592	8.750	47.750	-1.000
K593	16.250	47.750	-26.000
K594	16.250	47.750	-1.000
K595	8.750	50.450	-26.000
K596	8.750	50.450	-1.000
K597	16.250	50.450	-26.000
K598	16.250	50.450	-1.000
K599	8.750	55.550	-26.000
K600	8.750	55.550	-1.000
K601	16.250	55.550	-26.000
K602	16.250	55.550	-1.000
K603	8.750	58.250	-26.000
K604	8.750	58.250	-1.000
K605	16.250	58.250	-26.000
K606	16.250	58.250	-1.000
K607	8.750	60.950	-26.000
K608	8.750	60.950	-1.000
K609	16.250	60.950	-26.000
K610	16.250	60.950	-1.000
K611	46.750	2.050	-26.000
K612	46.750	2.050	-1.000
K613	54.250	2.050	-26.000
K614	54.250	2.050	-1.000
K615	46.750	4.750	-26.000
K616	46.750	4.750	-1.000
K617	54.250	4.750	-26.000
K618	54.250	4.750	-1.000
K619	46.750	7.450	-26.000
K620	46.750	7.450	-1.000
K621	54.250	7.450	-26.000
K622	54.250	7.450	-1.000
K623	46.750	12.550	-26.000
K624	46.750	12.550	-1.000
K625	54.250	12.550	-26.000
K626	54.250	12.550	-1.000
K627	46.750	15.250	-26.000
K628	46.750	15.250	-1.000
K629	54.250	15.250	-26.000
K630	54.250	15.250	-1.000
K631	46.750	17.950	-26.000
K632	46.750	17.950	-1.000
K633	54.250	17.950	-26.000
K634	54.250	17.950	-1.000
K635	46.750	23.050	-26.000
K636	46.750	23.050	-1.000

Name	Coord X [m]	Coord Y [m]	Coord Z [m]
K637	54.250	23.050	-26.000
K638	54.250	23.050	-1.000
K639	46.750	25.750	-26.000
K640	46.750	25.750	-1.000
K641	54.250	25.750	-26.000
K642	54.250	25.750	-1.000
K643	46.750	28.450	-26.000
K644	46.750	28.450	-1.000
K645	54.250	28.450	-26.000
K646	54.250	28.450	-1.000
K647	46.750	33.550	-26.000
K648	46.750	33.550	-1.000
K649	54.250	33.550	-26.000
K650	54.250	33.550	-1.000
K651	46.750	36.250	-26.000
K652	46.750	36.250	-1.000
K653	54.250	36.250	-26.000
K654	54.250	36.250	-1.000
K655	46.750	38.950	-26.000
K656	46.750	38.950	-1.000
K657	54.250	38.950	-26.000
K658	54.250	38.950	-1.000
K659	46.750	45.050	-26.000
K660	46.750	45.050	-1.000
K661	54.250	45.050	-26.000
K662	54.250	45.050	-1.000
K663	46.750	47.750	-26.000
K664	46.750	47.750	-1.000
K665	54.250	47.750	-26.000
K666	54.250	47.750	-1.000
K667	46.750	50.450	-26.000
K668	46.750	50.450	-1.000
K669	54.250	50.450	-26.000
K670	54.250	50.450	-1.000
K671	46.750	55.550	-26.000
K672	46.750	55.550	-1.000
K673	54.250	55.550	-26.000
K674	54.250	55.550	-1.000
K675	46.750	58.250	-26.000
K676	46.750	58.250	-1.000
K677	54.250	58.250	-26.000
K678	54.250	58.250	-1.000
K679	46.750	60.950	-26.000
K680	46.750	60.950	-1.000
K681	54.250	60.950	-26.000
K682	54.250	60.950	-1.000
K683	8.480	2.050	-0.500
K684	9.020	2.050	-0.500
K685	8.750	1.780	-0.500
K687	8.750	2.320	-0.500
K688	15.980	2.050	-0.500
K689	16.520	2.050	-0.500
K690	16.250	1.780	-0.500
K692	16.250	2.320	-0.500
K693	8.480	4.750	-0.500
K694	9.020	4.750	-0.500
K695	8.750	4.480	-0.500
K697	8.750	5.020	-0.500
K698	15.980	4.750	-0.500
K699	16.520	4.750	-0.500
K700	16.250	4.480	-0.500
K702	16.250	5.020	-0.500
K703	15.980	7.450	-0.500
K704	16.520	7.450	-0.500
K705	16.250	7.180	-0.500
K707	16.250	7.720	-0.500
K708	8.480	7.450	-0.500

Name	Coord X [m]	Coord Y [m]	Coord Z [m]
K709	9.020	7.450	-0.500
K710	8.750	7.180	-0.500
K712	8.750	7.720	-0.500
K713	8.480	17.950	-0.500
K714	9.020	17.950	-0.500
K715	8.750	17.680	-0.500
K717	8.750	18.220	-0.500
K718	8.480	15.250	-0.500
K719	9.020	15.250	-0.500
K720	8.750	14.980	-0.500
K722	8.750	15.520	-0.500
K723	8.480	12.550	-0.500
K724	9.020	12.550	-0.500
K725	8.750	12.280	-0.500
K727	8.750	12.820	-0.500
K728	15.980	15.250	-0.500
K729	16.520	15.250	-0.500
K730	16.250	14.980	-0.500
K732	16.250	15.520	-0.500
K733	15.980	17.950	-0.500
K734	16.520	17.950	-0.500
K735	16.250	17.680	-0.500
K737	16.250	18.220	-0.500
K738	15.980	12.550	-0.500
K739	16.520	12.550	-0.500
K740	16.250	12.280	-0.500
K742	16.250	12.820	-0.500
K743	8.480	28.450	-0.500
K744	9.020	28.450	-0.500
K745	8.750	28.180	-0.500
K747	8.750	28.720	-0.500
K748	8.480	25.750	-0.500
K749	9.020	25.750	-0.500
K750	8.750	25.480	-0.500
K752	8.750	26.020	-0.500
K753	8.480	23.050	-0.500
K754	9.020	23.050	-0.500
K755	8.750	22.780	-0.500
K757	8.750	23.320	-0.500
K758	15.980	25.750	-0.500
K759	16.520	25.750	-0.500
K760	16.250	25.480	-0.500
K762	16.250	26.020	-0.500
K763	15.980	28.450	-0.500
K764	16.520	28.450	-0.500
K765	16.250	28.180	-0.500
K767	16.250	28.720	-0.500
K768	15.980	23.050	-0.500
K769	16.520	23.050	-0.500
K770	16.250	22.780	-0.500
K772	16.250	23.320	-0.500
K773	8.480	38.950	-0.500
K774	9.020	38.950	-0.500
K775	8.750	38.680	-0.500
K777	8.750	39.220	-0.500
K778	8.480	36.250	-0.500
K779	9.020	36.250	-0.500
K780	8.750	35.980	-0.500
K782	8.750	36.520	-0.500
K783	8.480	33.550	-0.500
K784	9.020	33.550	-0.500
K785	8.750	33.280	-0.500
K787	8.750	33.820	-0.500
K788	15.980	36.250	-0.500
K789	16.520	36.250	-0.500
K790	16.250	35.980	-0.500
K792	16.250	36.520	-0.500

Name	Coord X [m]	Coord Y [m]	Coord Z [m]
K793	15.980	38.950	-0.500
K794	16.520	38.950	-0.500
K795	16.250	38.680	-0.500
K797	16.250	39.220	-0.500
K798	15.980	33.550	-0.500
K799	16.520	33.550	-0.500
K800	16.250	33.280	-0.500
K802	16.250	33.820	-0.500
K803	8.480	50.450	-0.500
K804	9.020	50.450	-0.500
K805	8.750	50.180	-0.500
K807	8.750	50.720	-0.500
K808	8.480	47.750	-0.500
K809	9.020	47.750	-0.500
K810	8.750	47.480	-0.500
K812	8.750	48.020	-0.500
K813	8.480	45.050	-0.500
K814	9.020	45.050	-0.500
K815	8.750	44.780	-0.500
K817	8.750	45.320	-0.500
K818	15.980	47.750	-0.500
K819	16.520	47.750	-0.500
K820	16.250	47.480	-0.500
K822	16.250	48.020	-0.500
K823	15.980	50.450	-0.500
K824	16.520	50.450	-0.500
K825	16.250	50.180	-0.500
K827	16.250	50.720	-0.500
K828	15.980	45.050	-0.500
K829	16.520	45.050	-0.500
K830	16.250	44.780	-0.500
K832	16.250	45.320	-0.500
K833	8.480	60.950	-0.500
K834	9.020	60.950	-0.500
K835	8.750	60.680	-0.500
K837	8.750	61.220	-0.500
K838	8.480	58.250	-0.500
K839	9.020	58.250	-0.500
K840	8.750	57.980	-0.500
K842	8.750	58.520	-0.500
K843	8.480	55.550	-0.500
K844	9.020	55.550	-0.500
K845	8.750	55.280	-0.500
K847	8.750	55.820	-0.500
K848	15.980	58.250	-0.500
K849	16.520	58.250	-0.500
K850	16.250	57.980	-0.500
K852	16.250	58.520	-0.500
K853	15.980	60.950	-0.500
K854	16.520	60.950	-0.500
K855	16.250	60.680	-0.500
K857	16.250	61.220	-0.500
K858	15.980	55.550	-0.500
K859	16.520	55.550	-0.500
K860	16.250	55.280	-0.500
K862	16.250	55.820	-0.500
K863	46.480	60.950	-0.500
K864	47.020	60.950	-0.500
K865	46.750	60.680	-0.500
K867	46.750	61.220	-0.500
K868	46.480	58.250	-0.500
K869	47.020	58.250	-0.500
K870	46.750	57.980	-0.500
K872	46.750	58.520	-0.500
K873	46.480	55.550	-0.500
K874	47.020	55.550	-0.500
K875	46.750	55.280	-0.500

Name	Coord X [m]	Coord Y [m]	Coord Z [m]
K877	46.750	55.820	-0.500
K878	53.980	58.250	-0.500
K879	54.520	58.250	-0.500
K880	54.250	57.980	-0.500
K882	54.250	58.520	-0.500
K883	53.980	60.950	-0.500
K884	54.520	60.950	-0.500
K885	54.250	60.680	-0.500
K887	54.250	61.220	-0.500
K888	53.980	55.550	-0.500
K889	54.520	55.550	-0.500
K890	54.250	55.280	-0.500
K892	54.250	55.820	-0.500
K893	46.480	50.450	-0.500
K894	47.020	50.450	-0.500
K895	46.750	50.180	-0.500
K897	46.750	50.720	-0.500
K898	46.480	47.750	-0.500
K899	47.020	47.750	-0.500
K900	46.750	47.480	-0.500
K902	46.750	48.020	-0.500
K903	46.480	45.050	-0.500
K904	47.020	45.050	-0.500
K905	46.750	44.780	-0.500
K907	46.750	45.320	-0.500
K908	53.980	47.750	-0.500
K909	54.520	47.750	-0.500
K910	54.250	47.480	-0.500
K912	54.250	48.020	-0.500
K913	53.980	50.450	-0.500
K914	54.520	50.450	-0.500
K915	54.250	50.180	-0.500
K917	54.250	50.720	-0.500
K918	53.980	45.050	-0.500
K919	54.520	45.050	-0.500
K920	54.250	44.780	-0.500
K922	54.250	45.320	-0.500
K923	46.480	38.950	-0.500
K924	47.020	38.950	-0.500
K925	46.750	38.680	-0.500
K927	46.750	39.220	-0.500
K928	46.480	36.250	-0.500
K929	47.020	36.250	-0.500
K930	46.750	35.980	-0.500
K932	46.750	36.520	-0.500
K933	46.480	33.550	-0.500
K934	47.020	33.550	-0.500
K935	46.750	33.280	-0.500
K937	46.750	33.820	-0.500
K938	53.980	36.250	-0.500
K939	54.520	36.250	-0.500
K940	54.250	35.980	-0.500
K942	54.250	36.520	-0.500
K943	53.980	38.950	-0.500
K944	54.520	38.950	-0.500
K945	54.250	38.680	-0.500
K947	54.250	39.220	-0.500
K948	53.980	33.550	-0.500
K949	54.520	33.550	-0.500
K950	54.250	33.280	-0.500
K952	54.250	33.820	-0.500
K953	46.480	28.450	-0.500
K954	47.020	28.450	-0.500
K955	46.750	28.180	-0.500
K957	46.750	28.720	-0.500
K958	46.480	25.750	-0.500
K959	47.020	25.750	-0.500

Name	Coord X [m]	Coord Y [m]	Coord Z [m]
K960	46.750	25.480	-0.500
K962	46.750	26.020	-0.500
K963	46.480	23.050	-0.500
K964	47.020	23.050	-0.500
K965	46.750	22.780	-0.500
K967	46.750	23.320	-0.500
K968	53.980	25.750	-0.500
K969	54.520	25.750	-0.500
K970	54.250	25.480	-0.500
K972	54.250	26.020	-0.500
K973	53.980	28.450	-0.500
K974	54.520	28.450	-0.500
K975	54.250	28.180	-0.500
K977	54.250	28.720	-0.500
K978	53.980	23.050	-0.500
K979	54.520	23.050	-0.500
K980	54.250	22.780	-0.500
K982	54.250	23.320	-0.500
K983	46.480	17.950	-0.500
K984	47.020	17.950	-0.500
K985	46.750	17.680	-0.500
K987	46.750	18.220	-0.500
K988	46.480	15.250	-0.500
K989	47.020	15.250	-0.500
K990	46.750	14.980	-0.500
K992	46.750	15.520	-0.500
K993	46.480	12.550	-0.500
K994	47.020	12.550	-0.500
K995	46.750	12.280	-0.500
K997	46.750	12.820	-0.500
K998	53.980	15.250	-0.500
K999	54.520	15.250	-0.500
K1000	54.250	14.980	-0.500
K1002	54.250	15.520	-0.500
K1003	53.980	17.950	-0.500
K1004	54.520	17.950	-0.500
K1005	54.250	17.680	-0.500
K1007	54.250	18.220	-0.500
K1008	53.980	12.550	-0.500
K1009	54.520	12.550	-0.500
K1010	54.250	12.280	-0.500
K1012	54.250	12.820	-0.500
K1013	46.480	7.450	-0.500
K1014	47.020	7.450	-0.500
K1015	46.750	7.180	-0.500
K1017	46.750	7.720	-0.500
K1018	46.480	4.750	-0.500
K1019	47.020	4.750	-0.500
K1020	46.750	4.480	-0.500
K1022	46.750	5.020	-0.500
K1023	46.480	2.050	-0.500
K1024	47.020	2.050	-0.500
K1025	46.750	1.780	-0.500
K1027	46.750	2.320	-0.500
K1028	53.980	4.750	-0.500
K1029	54.520	4.750	-0.500
K1030	54.250	4.480	-0.500
K1032	54.250	5.020	-0.500
K1033	53.980	7.450	-0.500
K1034	54.520	7.450	-0.500
K1035	54.250	7.180	-0.500
K1037	54.250	7.720	-0.500
K1038	53.980	2.050	-0.500
K1039	54.520	2.050	-0.500
K1040	54.250	1.780	-0.500
K1042	54.250	2.320	-0.500
K1043	8.250	4.250	-0.500

Name	Coord X [m]	Coord Y [m]	Coord Z [m]
K1044	8.000	4.250	-0.500
K1045	8.000	5.250	-0.500
K1046	8.250	5.250	-0.500
K1047	8.250	10.000	-0.500
K1048	8.000	10.000	-0.500
K1049	8.000	11.000	-0.500
K1050	8.250	11.000	-0.500
K1051	8.250	14.750	-0.500
K1052	8.000	14.750	-0.500
K1053	8.000	15.750	-0.500
K1054	8.250	15.750	-0.500
K1055	8.000	25.250	-0.500
K1056	8.000	26.250	-0.500
K1057	8.250	20.500	-0.500
K1058	8.000	20.500	-0.500
K1059	8.000	21.500	-0.500
K1060	8.250	21.500	-0.500
K1061	8.250	25.250	-0.500
K1062	8.250	26.250	-0.500
K1063	8.000	35.750	-0.500
K1064	8.000	36.750	-0.500
K1065	8.250	31.000	-0.500
K1066	8.000	31.000	-0.500
K1067	8.000	32.000	-0.500
K1068	8.250	32.000	-0.500
K1069	8.250	35.750	-0.500
K1070	8.250	36.750	-0.500
K1071	8.000	47.250	-0.500
K1072	8.000	48.250	-0.500
K1073	8.000	53.000	-0.500
K1074	8.000	54.000	-0.500
K1075	8.000	57.750	-0.500
K1076	8.000	58.750	-0.500
K1077	8.250	47.250	-0.500
K1078	8.250	48.250	-0.500
K1079	8.250	53.000	-0.500
K1080	8.250	54.000	-0.500
K1081	8.250	57.750	-0.500
K1082	8.250	58.750	-0.500
K1112	10.200	64.857	14.700
K1113	3.000	62.600	8.900
K1114	60.000	62.600	8.900
K1115	60.000	52.100	8.900
K1116	3.000	40.600	8.900
K1117	60.000	40.600	8.900
K1118	3.000	30.100	8.900
K1119	60.000	30.100	8.900
K1120	3.000	19.600	8.900
K1121	60.000	19.600	8.900
K1122	3.000	9.100	8.900
K1123	60.000	9.100	8.900
K1124	16.250	53.000	-26.000
K1125	16.250	53.000	-1.000
K1126	15.980	53.000	-0.500
K1127	16.520	53.000	-0.500
K1128	16.250	52.730	-0.500
K1129	16.250	53.270	-0.500
K1130	8.750	53.000	-26.000
K1131	8.750	53.000	-1.000
K1132	8.480	53.000	-0.500
K1133	9.020	53.000	-0.500
K1134	8.750	52.730	-0.500
K1135	8.750	53.270	-0.500
K1136	8.750	31.000	-26.000
K1137	8.750	31.000	-1.000
K1138	16.250	31.000	-26.000
K1139	16.250	31.000	-1.000

Name	Coord X [m]	Coord Y [m]	Coord Z [m]
K1140	8.480	31.000	-0.500
K1141	9.020	31.000	-0.500
K1142	8.750	30.730	-0.500
K1143	8.750	31.270	-0.500
K1144	15.980	31.000	-0.500
K1145	16.520	31.000	-0.500
K1146	16.250	30.730	-0.500
K1147	16.250	31.270	-0.500
K1148	8.750	20.500	-26.000
K1149	8.750	20.500	-1.000
K1150	8.480	20.500	-0.500
K1151	9.020	20.500	-0.500
K1152	8.750	20.230	-0.500
K1153	8.750	20.770	-0.500
K1154	16.250	20.500	-26.000
K1155	16.250	20.500	-1.000
K1156	15.980	20.500	-0.500
K1157	16.520	20.500	-0.500
K1158	16.250	20.230	-0.500
K1159	16.250	20.770	-0.500
K1160	16.250	10.000	-26.000
K1161	16.250	10.000	-1.000
K1162	15.980	10.000	-0.500
K1163	16.520	10.000	-0.500
K1164	16.250	9.730	-0.500
K1165	16.250	10.270	-0.500
K1166	8.750	10.000	-26.000
K1167	8.750	10.000	-1.000
K1168	8.480	10.000	-0.500
K1169	9.020	10.000	-0.500
K1170	8.750	9.730	-0.500
K1171	8.750	10.270	-0.500
K1172	46.750	10.000	-26.000
K1173	46.750	10.000	-1.000
K1174	46.480	10.000	-0.500
K1175	47.020	10.000	-0.500
K1176	46.750	9.730	-0.500
K1177	46.750	10.270	-0.500
K1178	54.250	10.000	-26.000
K1179	54.250	10.000	-1.000
K1180	53.980	10.000	-0.500
K1181	54.520	10.000	-0.500
K1182	54.250	9.730	-0.500
K1183	54.250	10.270	-0.500
K1184	54.250	20.500	-26.000
K1185	54.250	20.500	-1.000
K1186	53.980	20.500	-0.500
K1187	54.520	20.500	-0.500
K1188	54.250	20.230	-0.500
K1189	54.250	20.770	-0.500
K1190	46.750	20.500	-26.000
K1191	46.750	20.500	-1.000
K1192	46.480	20.500	-0.500
K1193	47.020	20.500	-0.500
K1194	46.750	20.230	-0.500
K1195	46.750	20.770	-0.500
K1196	54.250	31.000	-26.000
K1197	54.250	31.000	-1.000
K1198	53.980	31.000	-0.500
K1199	54.520	31.000	-0.500
K1200	54.250	30.730	-0.500
K1201	54.250	31.270	-0.500
K1202	46.750	31.000	-26.000
K1203	46.750	31.000	-1.000
K1204	46.480	31.000	-0.500
K1205	47.020	31.000	-0.500
K1206	46.750	30.730	-0.500

Name	Coord X [m]	Coord Y [m]	Coord Z [m]
K1207	46.750	31.270	-0.500
K1208	46.750	53.000	-26.000
K1209	46.750	53.000	-1.000
K1210	46.480	53.000	-0.500
K1211	47.020	53.000	-0.500
K1212	46.750	52.730	-0.500
K1213	46.750	53.270	-0.500
K1214	54.250	53.000	-26.000
K1215	54.250	53.000	-1.000
K1216	53.980	53.000	-0.500
K1217	54.520	53.000	-0.500
K1218	54.250	52.730	-0.500
K1219	54.250	53.270	-0.500
K1220	12.500	60.950	-26.000
K1221	12.500	60.950	-1.000
K1222	12.230	60.950	-0.500
K1223	12.770	60.950	-0.500
K1224	12.500	60.680	-0.500
K1225	12.500	61.220	-0.500
K1226	12.500	45.050	-26.000
K1227	12.500	45.050	-1.000
K1228	12.500	47.750	-26.000
K1229	12.500	47.750	-1.000
K1230	12.500	50.450	-26.000
K1231	12.500	50.450	-1.000
K1232	12.500	55.550	-26.000
K1233	12.500	55.550	-1.000
K1234	12.500	58.250	-26.000
K1235	12.500	58.250	-1.000
K1236	12.230	50.450	-0.500
K1237	12.770	50.450	-0.500
K1238	12.500	50.180	-0.500
K1239	12.500	50.720	-0.500
K1240	12.230	47.750	-0.500
K1241	12.770	47.750	-0.500
K1242	12.500	47.480	-0.500
K1243	12.500	48.020	-0.500
K1244	12.230	45.050	-0.500
K1245	12.770	45.050	-0.500
K1246	12.500	44.780	-0.500
K1247	12.500	45.320	-0.500
K1248	12.230	58.250	-0.500
K1249	12.770	58.250	-0.500
K1250	12.500	57.980	-0.500
K1251	12.500	58.520	-0.500
K1252	12.230	55.550	-0.500
K1253	12.770	55.550	-0.500
K1254	12.500	55.280	-0.500
K1255	12.500	55.820	-0.500
K1256	12.500	53.000	-26.000
K1257	12.500	53.000	-1.000
K1258	12.230	53.000	-0.500
K1259	12.770	53.000	-0.500
K1260	12.500	52.730	-0.500
K1261	12.500	53.270	-0.500
K1262	12.500	2.050	-26.000
K1263	12.500	2.050	-1.000
K1264	12.500	4.750	-26.000
K1265	12.500	4.750	-1.000
K1266	12.500	7.450	-26.000
K1267	12.500	7.450	-1.000
K1268	12.500	12.550	-26.000
K1269	12.500	12.550	-1.000
K1270	12.500	15.250	-26.000
K1271	12.500	15.250	-1.000
K1272	12.500	17.950	-26.000
K1273	12.500	17.950	-1.000

Name	Coord X [m]	Coord Y [m]	Coord Z [m]
K1274	12.500	23.050	-26.000
K1275	12.500	23.050	-1.000
K1276	12.500	25.750	-26.000
K1277	12.500	25.750	-1.000
K1278	12.500	28.450	-26.000
K1279	12.500	28.450	-1.000
K1280	12.230	2.050	-0.500
K1281	12.770	2.050	-0.500
K1282	12.500	1.780	-0.500
K1283	12.500	2.320	-0.500
K1284	12.230	4.750	-0.500
K1285	12.770	4.750	-0.500
K1286	12.500	4.480	-0.500
K1287	12.500	5.020	-0.500
K1288	12.230	7.450	-0.500
K1289	12.770	7.450	-0.500
K1290	12.500	7.180	-0.500
K1291	12.500	7.720	-0.500
K1292	12.230	17.950	-0.500
K1293	12.770	17.950	-0.500
K1294	12.500	17.680	-0.500
K1295	12.500	18.220	-0.500
K1296	12.230	15.250	-0.500
K1297	12.770	15.250	-0.500
K1298	12.500	14.980	-0.500
K1299	12.500	15.520	-0.500
K1300	12.230	12.550	-0.500
K1301	12.770	12.550	-0.500
K1302	12.500	12.280	-0.500
K1303	12.500	12.820	-0.500
K1304	12.230	28.450	-0.500
K1305	12.770	28.450	-0.500
K1306	12.500	28.180	-0.500
K1307	12.500	28.720	-0.500
K1308	12.230	25.750	-0.500
K1309	12.770	25.750	-0.500
K1310	12.500	25.480	-0.500
K1311	12.500	26.020	-0.500
K1312	12.230	23.050	-0.500
K1313	12.770	23.050	-0.500
K1314	12.500	22.780	-0.500
K1315	12.500	23.320	-0.500
K1316	12.500	20.500	-26.000
K1317	12.500	20.500	-1.000
K1318	12.230	20.500	-0.500
K1319	12.770	20.500	-0.500
K1320	12.500	20.230	-0.500
K1321	12.500	20.770	-0.500
K1322	12.500	10.000	-26.000
K1323	12.500	10.000	-1.000
K1324	12.230	10.000	-0.500
K1325	12.770	10.000	-0.500
K1326	12.500	9.730	-0.500
K1327	12.500	10.270	-0.500
K1328	12.500	33.550	-26.000
K1329	12.500	33.550	-1.000
K1330	12.500	36.250	-26.000
K1331	12.500	36.250	-1.000
K1332	12.500	38.950	-26.000
K1333	12.500	38.950	-1.000
K1334	12.230	38.950	-0.500
K1335	12.770	38.950	-0.500
K1336	12.500	38.680	-0.500
K1337	12.500	39.220	-0.500
K1338	12.230	36.250	-0.500
K1339	12.770	36.250	-0.500
K1340	12.500	35.980	-0.500

Name	Coord X [m]	Coord Y [m]	Coord Z [m]
K1341	12.500	36.520	-0.500
K1342	12.230	33.550	-0.500
K1343	12.770	33.550	-0.500
K1344	12.500	33.280	-0.500
K1345	12.500	33.820	-0.500
K1346	12.500	31.000	-26.000
K1347	12.500	31.000	-1.000
K1348	12.230	31.000	-0.500
K1349	12.770	31.000	-0.500
K1350	12.500	30.730	-0.500
K1351	12.500	31.270	-0.500
K1352	50.500	2.050	-26.000
K1353	50.500	2.050	-1.000
K1354	50.500	4.750	-26.000
K1355	50.500	4.750	-1.000
K1356	50.500	7.450	-26.000
K1357	50.500	7.450	-1.000
K1358	50.230	7.450	-0.500
K1359	50.770	7.450	-0.500
K1360	50.500	7.180	-0.500
K1361	50.500	7.720	-0.500
K1362	50.230	4.750	-0.500
K1363	50.770	4.750	-0.500
K1364	50.500	4.480	-0.500
K1365	50.500	5.020	-0.500
K1366	50.230	2.050	-0.500
K1367	50.770	2.050	-0.500
K1368	50.500	1.780	-0.500
K1369	50.500	2.320	-0.500
K1370	50.500	12.550	-26.000
K1371	50.500	12.550	-1.000
K1372	50.500	15.250	-26.000
K1373	50.500	15.250	-1.000
K1374	50.500	17.950	-26.000
K1375	50.500	17.950	-1.000
K1376	50.500	23.050	-26.000
K1377	50.500	23.050	-1.000
K1378	50.500	25.750	-26.000
K1379	50.500	25.750	-1.000
K1380	50.500	28.450	-26.000
K1381	50.500	28.450	-1.000
K1382	50.230	28.450	-0.500
K1383	50.770	28.450	-0.500
K1384	50.500	28.180	-0.500
K1385	50.500	28.720	-0.500
K1386	50.230	25.750	-0.500
K1387	50.770	25.750	-0.500
K1388	50.500	25.480	-0.500
K1389	50.500	26.020	-0.500
K1390	50.230	23.050	-0.500
K1391	50.770	23.050	-0.500
K1392	50.500	22.780	-0.500
K1393	50.500	23.320	-0.500
K1394	50.230	17.950	-0.500
K1395	50.770	17.950	-0.500
K1396	50.500	17.680	-0.500
K1397	50.500	18.220	-0.500
K1398	50.230	15.250	-0.500
K1399	50.770	15.250	-0.500
K1400	50.500	14.980	-0.500
K1401	50.500	15.520	-0.500
K1402	50.230	12.550	-0.500
K1403	50.770	12.550	-0.500
K1404	50.500	12.280	-0.500
K1405	50.500	12.820	-0.500
K1406	50.500	10.000	-26.000
K1407	50.500	10.000	-1.000

Name	Coord X [m]	Coord Y [m]	Coord Z [m]
K1408	50.230	10.000	-0.500
K1409	50.770	10.000	-0.500
K1410	50.500	9.730	-0.500
K1411	50.500	10.270	-0.500
K1412	50.500	20.500	-26.000
K1413	50.500	20.500	-1.000
K1414	50.230	20.500	-0.500
K1415	50.770	20.500	-0.500
K1416	50.500	20.230	-0.500
K1417	50.500	20.770	-0.500
K1418	50.500	31.000	-26.000
K1419	50.500	31.000	-1.000
K1420	50.230	31.000	-0.500
K1421	50.770	31.000	-0.500
K1422	50.500	30.730	-0.500
K1423	50.500	31.270	-0.500
K1424	50.500	33.550	-26.000
K1425	50.500	33.550	-1.000
K1426	50.500	36.250	-26.000
K1427	50.500	36.250	-1.000
K1428	50.500	38.950	-26.000
K1429	50.500	38.950	-1.000
K1430	50.230	38.950	-0.500
K1431	50.770	38.950	-0.500
K1432	50.500	38.680	-0.500
K1433	50.500	39.220	-0.500
K1434	50.230	36.250	-0.500
K1435	50.770	36.250	-0.500
K1436	50.500	35.980	-0.500
K1437	50.500	36.520	-0.500
K1438	50.230	33.550	-0.500
K1439	50.770	33.550	-0.500
K1440	50.500	33.280	-0.500
K1441	50.500	33.820	-0.500
K1442	50.500	45.050	-26.000
K1443	50.500	45.050	-1.000
K1444	50.500	47.750	-26.000
K1445	50.500	47.750	-1.000
K1446	50.500	50.450	-26.000
K1447	50.500	50.450	-1.000
K1448	50.500	55.550	-26.000
K1449	50.500	55.550	-1.000
K1450	50.500	58.250	-26.000
K1451	50.500	58.250	-1.000
K1452	50.500	60.950	-26.000
K1453	50.500	60.950	-1.000
K1454	50.230	60.950	-0.500
K1455	50.770	60.950	-0.500
K1456	50.500	60.680	-0.500
K1457	50.500	61.220	-0.500
K1458	50.230	58.250	-0.500
K1459	50.770	58.250	-0.500
K1460	50.500	57.980	-0.500
K1461	50.500	58.520	-0.500
K1462	50.230	55.550	-0.500
K1463	50.770	55.550	-0.500
K1464	50.500	55.280	-0.500
K1465	50.500	55.820	-0.500
K1466	50.230	50.450	-0.500
K1467	50.770	50.450	-0.500
K1468	50.500	50.180	-0.500
K1469	50.500	50.720	-0.500
K1470	50.230	47.750	-0.500
K1471	50.770	47.750	-0.500
K1472	50.500	47.480	-0.500
K1473	50.500	48.020	-0.500
K1474	50.230	45.050	-0.500

Name	Coord X [m]	Coord Y [m]	Coord Z [m]
K1475	50.770	45.050	-0.500
K1476	50.500	44.780	-0.500
K1477	50.500	45.320	-0.500
K1478	50.500	53.000	-26.000
K1479	50.500	53.000	-1.000
K1480	50.230	53.000	-0.500
K1481	50.770	53.000	-0.500
K1482	50.500	52.730	-0.500
K1483	50.500	53.270	-0.500
K1484	11.750	1.500	-0.500
K1485	13.250	1.500	-0.500
K1486	13.250	8.000	-0.500
K1487	11.750	8.000	-0.500
N1	11.750	18.500	-0.500
N2	11.750	12.000	-0.500
N3	13.250	18.500	-0.500
N4	13.250	12.000	-0.500
N5	11.750	29.000	-0.500
N6	11.750	22.500	-0.500
N7	13.250	29.000	-0.500
N8	13.250	22.500	-0.500
N9	13.250	39.500	-0.500
N10	11.750	39.500	-0.500
N11	11.750	33.000	-0.500
N12	13.250	33.000	-0.500
N13	11.750	51.000	-0.500
N14	11.750	44.500	-0.500
N15	13.250	51.000	-0.500
N16	13.250	44.500	-0.500
N17	13.250	61.500	-0.500
N18	11.750	61.500	-0.500
N19	11.750	55.000	-0.500
N20	13.250	55.000	-0.500
N21	49.750	51.000	-0.500
N22	49.750	44.500	-0.500
N23	51.250	51.000	-0.500
N24	51.250	44.500	-0.500
N25	51.250	61.500	-0.500
N26	49.750	61.500	-0.500
N27	49.750	55.000	-0.500
N28	51.250	55.000	-0.500
N29	49.750	29.000	-0.500
N30	49.750	22.500	-0.500
N31	51.250	29.000	-0.500
N32	51.250	22.500	-0.500
N33	51.250	39.500	-0.500
N34	49.750	39.500	-0.500
N35	49.750	33.000	-0.500
N36	51.250	33.000	-0.500
N37	49.750	8.000	-0.500
N38	49.750	1.500	-0.500
N39	51.250	8.000	-0.500
N40	51.250	1.500	-0.500
N41	51.250	18.500	-0.500
N42	49.750	18.500	-0.500
N43	49.750	12.000	-0.500
N44	51.250	12.000	-0.500
N45	12.500	4.750	13.250
N46	12.500	4.750	8.900
N49	12.500	4.750	13.100
N50	50.500	4.750	13.100
N51	50.500	4.750	8.900
N52	50.500	4.750	13.250
N53	50.500	15.250	13.100
N54	50.500	15.250	8.900
N55	12.500	15.250	13.100
N56	12.500	15.250	8.900

Name	Coord X [m]	Coord Y [m]	Coord Z [m]
N57	50.500	15.250	13.250
N58	12.500	15.250	13.250
N59	50.500	25.750	13.100
N60	50.500	25.750	8.900
N61	12.500	25.750	13.100
N62	12.500	25.750	8.900
N63	50.500	25.750	13.250
N64	12.500	25.750	13.250
N65	50.500	36.250	13.100
N66	50.500	36.250	8.900
N67	12.500	36.250	13.100
N68	12.500	36.250	8.900
N69	50.500	36.250	13.250
N70	12.500	36.250	13.250
N71	50.500	47.750	13.100
N72	50.500	47.750	8.900
N73	12.500	47.750	13.100
N74	12.500	47.750	8.900
N75	50.500	47.750	13.250
N76	12.500	47.750	13.250
N77	50.500	58.250	13.100
N78	50.500	58.250	8.900
N79	12.500	58.250	13.100
N80	12.500	58.250	8.900
N81	50.500	58.250	13.250
N82	12.500	58.250	13.250
N83	12.500	9.100	8.900
N84	12.500	0.400	8.900
N85	50.500	9.100	8.900
N86	50.500	0.400	8.900
N87	50.500	19.600	8.900
N88	50.500	10.900	8.900
N89	12.500	19.600	8.900
N90	12.500	10.900	8.900
N91	50.500	30.100	8.900
N92	50.500	21.400	8.900
N93	12.500	30.100	8.900
N94	12.500	21.400	8.900
N95	50.500	40.600	8.900
N96	50.500	31.900	8.900
N97	12.500	40.600	8.900
N98	12.500	31.900	8.900
N99	50.500	52.100	8.900
N100	50.500	43.400	8.900
N101	12.500	52.100	8.900
N102	12.500	43.400	8.900
N103	50.500	62.600	8.900
N104	50.500	53.900	8.900
N105	12.500	62.600	8.900
N106	12.500	53.900	8.900
N107	11.800	64.050	1.133
N108	13.400	64.857	2.367
N109	13.400	64.050	2.367
N110	11.800	64.857	1.133
N111	11.800	64.050	8.533
N112	11.800	64.857	8.533
N113	13.400	64.857	9.767
N114	13.400	64.050	9.767
N115	13.400	65.243	4.833
N116	11.800	66.050	6.067
N117	11.800	65.243	6.067
N118	13.400	66.050	4.833
N119	13.400	65.243	12.233
N120	11.800	66.050	13.467
N121	11.800	65.243	13.467
N122	13.400	66.050	12.233
K1488	10.625	3.400	-26.000

Name	Coord X [m]	Coord Y [m]	Coord Z [m]
K1489	10.625	3.400	-1.000
K1490	10.625	6.100	-26.000
K1491	10.625	6.100	-1.000
K1492	10.625	8.800	-26.000
K1493	10.625	8.800	-1.000
K1494	10.355	3.400	-0.500
K1495	10.895	3.400	-0.500
K1496	10.625	3.130	-0.500
K1497	10.625	3.670	-0.500
K1498	10.355	6.100	-0.500
K1499	10.895	6.100	-0.500
K1500	10.625	5.830	-0.500
K1501	10.625	6.370	-0.500
K1502	10.355	8.800	-0.500
K1503	10.895	8.800	-0.500
K1504	10.625	8.530	-0.500
K1505	10.625	9.070	-0.500
K1506	10.625	13.900	-26.000
K1507	10.625	13.900	-1.000
K1508	10.625	16.600	-26.000
K1509	10.625	16.600	-1.000
K1510	10.625	19.300	-26.000
K1511	10.625	19.300	-1.000
K1512	10.625	24.400	-26.000
K1513	10.625	24.400	-1.000
K1514	10.625	27.100	-26.000
K1515	10.625	27.100	-1.000
K1516	10.625	29.800	-26.000
K1517	10.625	29.800	-1.000
K1518	10.625	34.900	-26.000
K1519	10.625	34.900	-1.000
K1520	10.355	19.300	-0.500
K1521	10.895	19.300	-0.500
K1522	10.625	19.030	-0.500
K1523	10.625	19.570	-0.500
K1524	10.355	16.600	-0.500
K1525	10.895	16.600	-0.500
K1526	10.625	16.330	-0.500
K1527	10.625	16.870	-0.500
K1528	10.355	13.900	-0.500
K1529	10.895	13.900	-0.500
K1530	10.625	13.630	-0.500
K1531	10.625	14.170	-0.500
K1532	10.355	29.800	-0.500
K1533	10.895	29.800	-0.500
K1534	10.625	29.530	-0.500
K1535	10.625	30.070	-0.500
K1536	10.355	27.100	-0.500
K1537	10.895	27.100	-0.500
K1538	10.625	26.830	-0.500
K1539	10.625	27.370	-0.500
K1540	10.355	24.400	-0.500
K1541	10.895	24.400	-0.500
K1542	10.625	24.130	-0.500
K1543	10.625	24.670	-0.500
K1544	10.355	34.900	-0.500
K1545	10.895	34.900	-0.500
K1546	10.625	34.630	-0.500
K1547	10.625	35.170	-0.500
K1548	10.625	32.350	-26.000
K1549	10.625	32.350	-1.000
K1550	10.355	32.350	-0.500
K1551	10.895	32.350	-0.500
K1552	10.625	32.080	-0.500
K1553	10.625	32.620	-0.500
K1554	10.625	21.850	-26.000
K1555	10.625	21.850	-1.000

Name	Coord X [m]	Coord Y [m]	Coord Z [m]
K1556	10.355	21.850	-0.500
K1557	10.895	21.850	-0.500
K1558	10.625	21.580	-0.500
K1559	10.625	22.120	-0.500
K1560	10.625	11.350	-26.000
K1561	10.625	11.350	-1.000
K1562	10.355	11.350	-0.500
K1563	10.895	11.350	-0.500
K1564	10.625	11.080	-0.500
K1565	10.625	11.620	-0.500
K1566	10.625	37.600	-26.000
K1567	10.625	37.600	-1.000
K1568	10.355	37.600	-0.500
K1569	10.895	37.600	-0.500
K1570	10.625	37.330	-0.500
K1571	10.625	37.870	-0.500
K1572	10.625	46.400	-26.000
K1573	10.625	46.400	-1.000
K1574	10.625	49.100	-26.000
K1575	10.625	49.100	-1.000
K1576	10.625	51.800	-26.000
K1577	10.625	51.800	-1.000
K1578	10.625	56.900	-26.000
K1579	10.625	56.900	-1.000
K1580	10.355	51.800	-0.500
K1581	10.895	51.800	-0.500
K1582	10.625	51.530	-0.500
K1583	10.625	52.070	-0.500
K1584	10.355	49.100	-0.500
K1585	10.895	49.100	-0.500
K1586	10.625	48.830	-0.500
K1587	10.625	49.370	-0.500
K1588	10.355	46.400	-0.500
K1589	10.895	46.400	-0.500
K1590	10.625	46.130	-0.500
K1591	10.625	46.670	-0.500
K1592	10.355	56.900	-0.500
K1593	10.895	56.900	-0.500
K1594	10.625	56.630	-0.500
K1595	10.625	57.170	-0.500
K1596	10.625	54.350	-26.000
K1597	10.625	54.350	-1.000
K1598	10.355	54.350	-0.500
K1599	10.895	54.350	-0.500
K1600	10.625	54.080	-0.500
K1601	10.625	54.620	-0.500
K1602	10.625	59.600	-26.000
K1603	10.625	59.600	-1.000
K1604	10.355	59.600	-0.500
K1605	10.895	59.600	-0.500
K1606	10.625	59.330	-0.500
K1607	10.625	59.870	-0.500
K1608	14.375	3.400	-26.000
K1609	14.375	3.400	-1.000
K1610	14.375	6.100	-26.000
K1611	14.375	6.100	-1.000
K1612	14.375	8.800	-26.000
K1613	14.375	8.800	-1.000
K1614	14.105	3.400	-0.500
K1615	14.645	3.400	-0.500
K1616	14.375	3.130	-0.500
K1617	14.375	3.670	-0.500
K1618	14.105	6.100	-0.500
K1619	14.645	6.100	-0.500
K1620	14.375	5.830	-0.500
K1621	14.375	6.370	-0.500
K1622	14.105	8.800	-0.500

Name	Coord X [m]	Coord Y [m]	Coord Z [m]
K1623	14.645	8.800	-0.500
K1624	14.375	8.530	-0.500
K1625	14.375	9.070	-0.500
K1626	14.375	13.900	-26.000
K1627	14.375	13.900	-1.000
K1628	14.375	16.600	-26.000
K1629	14.375	16.600	-1.000
K1630	14.375	19.300	-26.000
K1631	14.375	19.300	-1.000
K1632	14.375	24.400	-26.000
K1633	14.375	24.400	-1.000
K1634	14.375	27.100	-26.000
K1635	14.375	27.100	-1.000
K1636	14.375	29.800	-26.000
K1637	14.375	29.800	-1.000
K1638	14.375	34.900	-26.000
K1639	14.375	34.900	-1.000
K1640	14.105	19.300	-0.500
K1641	14.645	19.300	-0.500
K1642	14.375	19.030	-0.500
K1643	14.375	19.570	-0.500
K1644	14.105	16.600	-0.500
K1645	14.645	16.600	-0.500
K1646	14.375	16.330	-0.500
K1647	14.375	16.870	-0.500
K1648	14.105	13.900	-0.500
K1649	14.645	13.900	-0.500
K1650	14.375	13.630	-0.500
K1651	14.375	14.170	-0.500
K1652	14.105	29.800	-0.500
K1653	14.645	29.800	-0.500
K1654	14.375	29.530	-0.500
K1655	14.375	30.070	-0.500
K1656	14.105	27.100	-0.500
K1657	14.645	27.100	-0.500
K1658	14.375	26.830	-0.500
K1659	14.375	27.370	-0.500
K1660	14.105	24.400	-0.500
K1661	14.645	24.400	-0.500
K1662	14.375	24.130	-0.500
K1663	14.375	24.670	-0.500
K1664	14.105	34.900	-0.500
K1665	14.645	34.900	-0.500
K1666	14.375	34.630	-0.500
K1667	14.375	35.170	-0.500
K1668	14.375	32.350	-26.000
K1669	14.375	32.350	-1.000
K1670	14.105	32.350	-0.500
K1671	14.645	32.350	-0.500
K1672	14.375	32.080	-0.500
K1673	14.375	32.620	-0.500
K1674	14.375	21.850	-26.000
K1675	14.375	21.850	-1.000
K1676	14.105	21.850	-0.500
K1677	14.645	21.850	-0.500
K1678	14.375	21.580	-0.500
K1679	14.375	22.120	-0.500
K1680	14.375	11.350	-26.000
K1681	14.375	11.350	-1.000
K1682	14.105	11.350	-0.500
K1683	14.645	11.350	-0.500
K1684	14.375	11.080	-0.500
K1685	14.375	11.620	-0.500
K1686	14.375	37.600	-26.000
K1687	14.375	37.600	-1.000
K1688	14.105	37.600	-0.500
K1689	14.645	37.600	-0.500

Name	Coord X [m]	Coord Y [m]	Coord Z [m]
K1690	14.375	37.330	-0.500
K1691	14.375	37.870	-0.500
K1692	14.375	46.400	-26.000
K1693	14.375	46.400	-1.000
K1694	14.375	49.100	-26.000
K1695	14.375	49.100	-1.000
K1696	14.375	51.800	-26.000
K1697	14.375	51.800	-1.000
K1698	14.375	56.900	-26.000
K1699	14.375	56.900	-1.000
K1700	14.105	51.800	-0.500
K1701	14.645	51.800	-0.500
K1702	14.375	51.530	-0.500
K1703	14.375	52.070	-0.500
K1704	14.105	49.100	-0.500
K1705	14.645	49.100	-0.500
K1706	14.375	48.830	-0.500
K1707	14.375	49.370	-0.500
K1708	14.105	46.400	-0.500
K1709	14.645	46.400	-0.500
K1710	14.375	46.130	-0.500
K1711	14.375	46.670	-0.500
K1712	14.105	56.900	-0.500
K1713	14.645	56.900	-0.500
K1714	14.375	56.630	-0.500
K1715	14.375	57.170	-0.500
K1716	14.375	54.350	-26.000
K1717	14.375	54.350	-1.000
K1718	14.105	54.350	-0.500
K1719	14.645	54.350	-0.500
K1720	14.375	54.080	-0.500
K1721	14.375	54.620	-0.500
K1722	14.375	59.600	-26.000
K1723	14.375	59.600	-1.000
K1724	14.105	59.600	-0.500
K1725	14.645	59.600	-0.500
K1726	14.375	59.330	-0.500
K1727	14.375	59.870	-0.500
K1728	48.625	3.400	-26.000
K1729	48.625	3.400	-1.000
K1730	48.625	6.100	-26.000
K1731	48.625	6.100	-1.000
K1732	48.625	8.800	-26.000
K1733	48.625	8.800	-1.000
K1734	48.355	3.400	-0.500
K1735	48.895	3.400	-0.500
K1736	48.625	3.130	-0.500
K1737	48.625	3.670	-0.500
K1738	48.355	6.100	-0.500
K1739	48.895	6.100	-0.500
K1740	48.625	5.830	-0.500
K1741	48.625	6.370	-0.500
K1742	48.355	8.800	-0.500
K1743	48.895	8.800	-0.500
K1744	48.625	8.530	-0.500
K1745	48.625	9.070	-0.500
K1746	48.625	13.900	-26.000
K1747	48.625	13.900	-1.000
K1748	48.625	16.600	-26.000
K1749	48.625	16.600	-1.000
K1750	48.625	19.300	-26.000
K1751	48.625	19.300	-1.000
K1752	48.625	24.400	-26.000
K1753	48.625	24.400	-1.000
K1754	48.625	27.100	-26.000
K1755	48.625	27.100	-1.000
K1756	48.625	29.800	-26.000

Name	Coord X [m]	Coord Y [m]	Coord Z [m]
K1757	48.625	29.800	-1.000
K1758	48.625	34.900	-26.000
K1759	48.625	34.900	-1.000
K1760	48.355	19.300	-0.500
K1761	48.895	19.300	-0.500
K1762	48.625	19.030	-0.500
K1763	48.625	19.570	-0.500
K1764	48.355	16.600	-0.500
K1765	48.895	16.600	-0.500
K1766	48.625	16.330	-0.500
K1767	48.625	16.870	-0.500
K1768	48.355	13.900	-0.500
K1769	48.895	13.900	-0.500
K1770	48.625	13.630	-0.500
K1771	48.625	14.170	-0.500
K1772	48.355	29.800	-0.500
K1773	48.895	29.800	-0.500
K1774	48.625	29.530	-0.500
K1775	48.625	30.070	-0.500
K1776	48.355	27.100	-0.500
K1777	48.895	27.100	-0.500
K1778	48.625	26.830	-0.500
K1779	48.625	27.370	-0.500
K1780	48.355	24.400	-0.500
K1781	48.895	24.400	-0.500
K1782	48.625	24.130	-0.500
K1783	48.625	24.670	-0.500
K1784	48.355	34.900	-0.500
K1785	48.895	34.900	-0.500
K1786	48.625	34.630	-0.500
K1787	48.625	35.170	-0.500
K1788	48.625	32.350	-26.000
K1789	48.625	32.350	-1.000
K1790	48.355	32.350	-0.500
K1791	48.895	32.350	-0.500
K1792	48.625	32.080	-0.500
K1793	48.625	32.620	-0.500
K1794	48.625	21.850	-26.000
K1795	48.625	21.850	-1.000
K1796	48.355	21.850	-0.500
K1797	48.895	21.850	-0.500
K1798	48.625	21.580	-0.500
K1799	48.625	22.120	-0.500
K1800	48.625	11.350	-26.000
K1801	48.625	11.350	-1.000
K1802	48.355	11.350	-0.500
K1803	48.895	11.350	-0.500
K1804	48.625	11.080	-0.500
K1805	48.625	11.620	-0.500
K1806	48.625	37.600	-26.000
K1807	48.625	37.600	-1.000
K1808	48.355	37.600	-0.500
K1809	48.895	37.600	-0.500
K1810	48.625	37.330	-0.500
K1811	48.625	37.870	-0.500
K1812	48.625	46.400	-26.000
K1813	48.625	46.400	-1.000
K1814	48.625	49.100	-26.000
K1815	48.625	49.100	-1.000
K1816	48.625	51.800	-26.000
K1817	48.625	51.800	-1.000
K1818	48.625	56.900	-26.000
K1819	48.625	56.900	-1.000
K1820	48.355	51.800	-0.500
K1821	48.895	51.800	-0.500
K1822	48.625	51.530	-0.500
K1823	48.625	52.070	-0.500

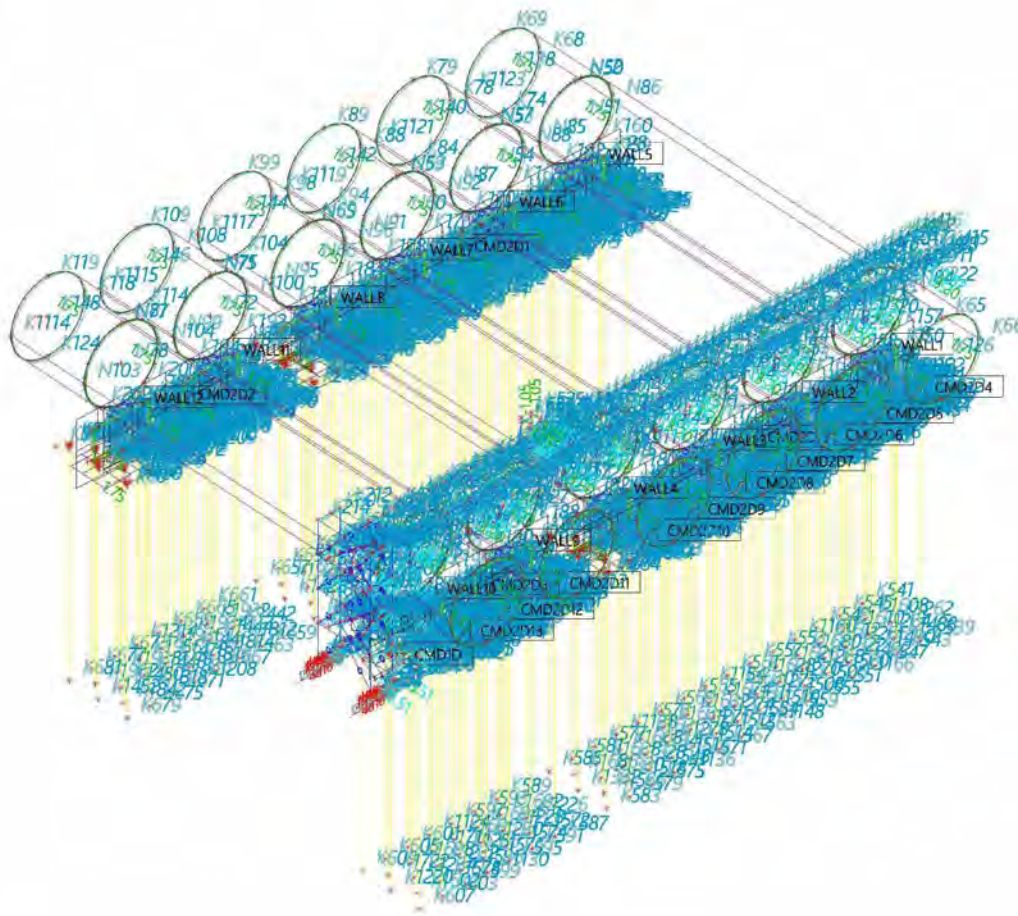
Name	Coord X [m]	Coord Y [m]	Coord Z [m]
K1824	48.355	49.100	-0.500
K1825	48.895	49.100	-0.500
K1826	48.625	48.830	-0.500
K1827	48.625	49.370	-0.500
K1828	48.355	46.400	-0.500
K1829	48.895	46.400	-0.500
K1830	48.625	46.130	-0.500
K1831	48.625	46.670	-0.500
K1832	48.355	56.900	-0.500
K1833	48.895	56.900	-0.500
K1834	48.625	56.630	-0.500
K1835	48.625	57.170	-0.500
K1836	48.625	54.350	-26.000
K1837	48.625	54.350	-1.000
K1838	48.355	54.350	-0.500
K1839	48.895	54.350	-0.500
K1840	48.625	54.080	-0.500
K1841	48.625	54.620	-0.500
K1842	48.625	59.600	-26.000
K1843	48.625	59.600	-1.000
K1844	48.355	59.600	-0.500
K1845	48.895	59.600	-0.500
K1846	48.625	59.330	-0.500
K1847	48.625	59.870	-0.500
K1848	52.375	3.400	-26.000
K1849	52.375	3.400	-1.000
K1850	52.375	6.100	-26.000
K1851	52.375	6.100	-1.000
K1852	52.375	8.800	-26.000
K1853	52.375	8.800	-1.000
K1854	52.105	3.400	-0.500
K1855	52.645	3.400	-0.500
K1856	52.375	3.130	-0.500
K1857	52.375	3.670	-0.500
K1858	52.105	6.100	-0.500
K1859	52.645	6.100	-0.500
K1860	52.375	5.830	-0.500
K1861	52.375	6.370	-0.500
K1862	52.105	8.800	-0.500
K1863	52.645	8.800	-0.500
K1864	52.375	8.530	-0.500
K1865	52.375	9.070	-0.500
K1866	52.375	13.900	-26.000
K1867	52.375	13.900	-1.000
K1868	52.375	16.600	-26.000
K1869	52.375	16.600	-1.000
K1870	52.375	19.300	-26.000
K1871	52.375	19.300	-1.000
K1872	52.375	24.400	-26.000
K1873	52.375	24.400	-1.000
K1874	52.375	27.100	-26.000
K1875	52.375	27.100	-1.000
K1876	52.375	29.800	-26.000
K1877	52.375	29.800	-1.000
K1878	52.375	34.900	-26.000
K1879	52.375	34.900	-1.000
K1880	52.105	19.300	-0.500
K1881	52.645	19.300	-0.500
K1882	52.375	19.030	-0.500
K1883	52.375	19.570	-0.500
K1884	52.105	16.600	-0.500
K1885	52.645	16.600	-0.500
K1886	52.375	16.330	-0.500
K1887	52.375	16.870	-0.500
K1888	52.105	13.900	-0.500
K1889	52.645	13.900	-0.500
K1890	52.375	13.630	-0.500

Name	Coord X [m]	Coord Y [m]	Coord Z [m]
K1891	52.375	14.170	-0.500
K1892	52.105	29.800	-0.500
K1893	52.645	29.800	-0.500
K1894	52.375	29.530	-0.500
K1895	52.375	30.070	-0.500
K1896	52.105	27.100	-0.500
K1897	52.645	27.100	-0.500
K1898	52.375	26.830	-0.500
K1899	52.375	27.370	-0.500
K1900	52.105	24.400	-0.500
K1901	52.645	24.400	-0.500
K1902	52.375	24.130	-0.500
K1903	52.375	24.670	-0.500
K1904	52.105	34.900	-0.500
K1905	52.645	34.900	-0.500
K1906	52.375	34.630	-0.500
K1907	52.375	35.170	-0.500
K1908	52.375	32.350	-26.000
K1909	52.375	32.350	-1.000
K1910	52.105	32.350	-0.500
K1911	52.645	32.350	-0.500
K1912	52.375	32.080	-0.500
K1913	52.375	32.620	-0.500
K1914	52.375	21.850	-26.000
K1915	52.375	21.850	-1.000
K1916	52.105	21.850	-0.500

Name	Coord X [m]	Coord Y [m]	Coord Z [m]
K1917	52.645	21.850	-0.500
K1918	52.375	21.580	-0.500
K1919	52.375	22.120	-0.500
K1920	52.375	11.350	-26.000
K1921	52.375	11.350	-1.000
K1922	52.105	11.350	-0.500
K1923	52.645	11.350	-0.500
K1924	52.375	11.080	-0.500
K1925	52.375	11.620	-0.500
K1926	52.375	37.600	-26.000
K1927	52.375	37.600	-1.000
K1928	52.105	37.600	-0.500
K1929	52.645	37.600	-0.500
K1930	52.375	37.330	-0.500
K1931	52.375	37.870	-0.500
K1932	52.375	46.400	-26.000
K1933	52.375	46.400	-1.000
K1934	52.375	49.100	-26.000
K1935	52.375	49.100	-1.000
K1936	52.375	51.800	-26.000
K1937	52.375	51.800	-1.000
K1938	52.375	56.900	-26.000
K1939	52.375	56.900	-1.000
K1940	52.105	51.800	-0.500
K1941	52.645	51.800	-0.500
K1942	52.375	51.530	-0.500

Name	Coord X [m]	Coord Y [m]	Coord Z [m]
K1943	52.375	52.070	-0.500
K1944	52.105	49.100	-0.500
K1945	52.645	49.100	-0.500
K1946	52.375	48.830	-0.500
K1947	52.375	49.370	-0.500
K1948	52.105	46.400	-0.500
K1949	52.645	46.400	-0.500
K1950	52.375	46.130	-0.500
K1951	52.375	46.670	-0.500
K1952	52.105	56.900	-0.500
K1953	52.645	56.900	-0.500
K1954	52.375	56.630	-0.500
K1955	52.375	57.170	-0.500
K1956	52.375	54.350	-26.000
K1957	52.375	54.350	-1.000
K1958	52.105	54.350	-0.500
K1959	52.645	54.350	-0.500
K1960	52.375	54.080	-0.500
K1961	52.375	54.620	-0.500
K1962	52.375	59.600	-26.000
K1963	52.375	59.600	-1.000
K1964	52.105	59.600	-0.500
K1965	52.645	59.600	-0.500
K1966	52.375	59.330	-0.500
K1967	52.375	59.870	-0.500

2.3.3.2. Knopen



2.3.3.3. Members

Name	Cross-section	Material	Length [m]	Beg. node	Entd node	Type
S1	ST-16 - T (900; 600; 30; 30; 15)	S 235 JR (EN 10025-2)	2.130	K150	K157	beam (80)
S2	ST-16 - T (900; 600; 30; 30; 15)	S 235 JR (EN 10025-2)	2.130	K151	K158	beam (80)
S3	ST-16 - T (900; 600; 30; 30; 15)	S 235 JR (EN 10025-2)	2.130	K159	K160	beam (80)
S4	ST-16 - T (900; 600; 30; 30; 15)	S 235 JR (EN 10025-2)	2.130	K161	K162	beam (80)
S5	ST-16 - T (900; 600; 30; 30; 15)	S 235 JR (EN 10025-2)	2.130	K163	K164	beam (80)
S6	ST-16 - T (900; 600; 30; 30; 15)	S 235 JR (EN 10025-2)	2.130	K165	K166	beam (80)
S7	ST-16 - T (900; 600; 30; 30; 15)	S 235 JR (EN 10025-2)	2.130	K167	K168	beam (80)
S8	ST-16 - T (900; 600; 30; 30; 15)	S 235 JR (EN 10025-2)	2.130	K169	K170	beam (80)
S9	ST-16 - T (900; 600; 30; 30; 15)	S 235 JR (EN 10025-2)	2.130	K171	K172	beam (80)
S10	ST-16 - T (900; 600; 30; 30; 15)	S 235 JR (EN 10025-2)	2.130	K173	K174	beam (80)
S11	ST-16 - T (900; 600; 30; 30; 15)	S 235 JR (EN 10025-2)	2.130	K175	K176	beam (80)
S12	ST-16 - T (900; 600; 30; 30; 15)	S 235 JR (EN 10025-2)	2.130	K177	K178	beam (80)
S13	ST-16 - T (900; 600; 30; 30; 15)	S 235 JR (EN 10025-2)	2.130	K179	K180	beam (80)
S14	ST-16 - T (900; 600; 30; 30; 15)	S 235 JR (EN 10025-2)	2.130	K181	K182	beam (80)
S15	ST-16 - T (900; 600; 30; 30; 15)	S 235 JR (EN 10025-2)	2.130	K183	K184	beam (80)
S16	ST-16 - T (900; 600; 30; 30; 15)	S 235 JR (EN 10025-2)	2.130	K185	K186	beam (80)
S17	ST-16 - T (900; 600; 30; 30; 15)	S 235 JR (EN 10025-2)	2.130	K187	K188	beam (80)
S18	ST-16 - T (900; 600; 30; 30; 15)	S 235 JR (EN 10025-2)	2.130	K189	K190	beam (80)
S19	ST-16 - T (900; 600; 30; 30; 15)	S 235 JR (EN 10025-2)	2.130	K191	K192	beam (80)
S20	ST-16 - T (900; 600; 30; 30; 15)	S 235 JR (EN 10025-2)	2.130	K193	K194	beam (80)
S21	ST-16 - T (900; 600; 30; 30; 15)	S 235 JR (EN 10025-2)	2.130	K195	K196	beam (80)
S22	ST-16 - T (900; 600; 30; 30; 15)	S 235 JR (EN 10025-2)	2.130	K197	K198	beam (80)
S23	ST-16 - T (900; 600; 30; 30; 15)	S 235 JR (EN 10025-2)	2.130	K199	K200	beam (80)
S24	ST-16 - T (900; 600; 30; 30; 15)	S 235 JR (EN 10025-2)	2.130	K201	K202	beam (80)
S25	CT-11 - Rectangle (600; 400)	C35/45	3.200	K203	K204	beam (80)
S26	CT-11 - Rectangle (600; 400)	C35/45	3.200	K205	K206	beam (80)
S27	ST-11 - HEA240	S 235 JR (EN 10025-2)	14.800	K207	K208	column (100)
S28	ST-11 - HEA240	S 235 JR (EN 10025-2)	14.800	K209	K210	column (100)
S29	ST-11 - HEA240	S 235 JR (EN 10025-2)	14.800	K211	K212	column (100)
S30	ST-11 - HEA240	S 235 JR (EN 10025-2)	14.800	K213	K214	column (100)
S31	ST-12 - IPE300	S 235 JR (EN 10025-2)	6.800	K208	K214	beam (80)
S32	ST-12 - IPE300	S 235 JR (EN 10025-2)	6.800	K210	K212	beam (80)
S33	ST-12 - IPE300	S 235 JR (EN 10025-2)	2.600	K210	K208	beam (80)
S34	ST-12 - IPE300	S 235 JR (EN 10025-2)	2.600	K212	K214	beam (80)
S35	ST-12 - IPE300	S 235 JR (EN 10025-2)	6.800	K215	K216	beam (80)
S36	ST-12 - IPE300	S 235 JR (EN 10025-2)	2.600	K217	K215	beam (80)
S37	ST-12 - IPE300	S 235 JR (EN 10025-2)	6.800	K217	K218	beam (80)
S38	ST-12 - IPE300	S 235 JR (EN 10025-2)	2.600	K218	K216	beam (80)
S39	ST-12 - IPE300	S 235 JR (EN 10025-2)	6.800	K219	K220	beam (80)
S40	ST-12 - IPE300	S 235 JR (EN 10025-2)	2.600	K221	K219	beam (80)
S41	ST-12 - IPE300	S 235 JR (EN 10025-2)	6.800	K221	K222	beam (80)
S42	ST-12 - IPE300	S 235 JR (EN 10025-2)	2.600	K222	K220	beam (80)
S43	ST-12 - IPE300	S 235 JR (EN 10025-2)	6.800	K223	K224	beam (80)
S44	ST-12 - IPE300	S 235 JR (EN 10025-2)	2.600	K225	K223	beam (80)
S45	ST-12 - IPE300	S 235 JR (EN 10025-2)	6.800	K225	K226	beam (80)
S46	ST-12 - IPE300	S 235 JR (EN 10025-2)	2.600	K226	K224	beam (80)
S47	CT-12 - Rectangle (400; 400)	C35/45	0.200	K209	K251	beam (80)
S48	CT-12 - Rectangle (400; 400)	C35/45	0.200	K211	K252	beam (80)
S49	CT-12 - Rectangle (400; 400)	C35/45	0.200	K207	K253	beam (80)
S50	CT-12 - Rectangle (400; 400)	C35/45	0.200	K213	K254	beam (80)
S51	ST-13 - HEA140	S 235 JR (EN 10025-2)	5.025	K207	K255	beam (80)
S52	ST-13 - HEA140	S 235 JR (EN 10025-2)	5.025	K213	K255	beam (80)
S53	ST-13 - HEA140	S 235 JR (EN 10025-2)	5.025	K209	K256	beam (80)
S54	ST-13 - HEA140	S 235 JR (EN 10025-2)	5.025	K211	K256	beam (80)
S55	ST-13 - HEA140	S 235 JR (EN 10025-2)	5.025	K223	K257	beam (80)
S56	ST-13 - HEA140	S 235 JR (EN 10025-2)	5.025	K224	K257	beam (80)
S57	ST-13 - HEA140	S 235 JR (EN 10025-2)	5.025	K225	K258	beam (80)
S58	ST-13 - HEA140	S 235 JR (EN 10025-2)	5.025	K226	K258	beam (80)
S59	ST-13 - HEA140	S 235 JR (EN 10025-2)	5.025	K219	K259	beam (80)
S60	ST-13 - HEA140	S 235 JR (EN 10025-2)	5.025	K220	K259	beam (80)
S61	ST-13 - HEA140	S 235 JR (EN 10025-2)	5.025	K221	K260	beam (80)
S62	ST-13 - HEA140	S 235 JR (EN 10025-2)	5.025	K222	K260	beam (80)
S63	ST-13 - HEA140	S 235 JR (EN 10025-2)	5.025	K215	K261	beam (80)
S64	ST-13 - HEA140	S 235 JR (EN 10025-2)	5.025	K216	K261	beam (80)
S65	ST-13 - HEA140	S 235 JR (EN 10025-2)	5.025	K217	K262	beam (80)
S66	ST-13 - HEA140	S 235 JR (EN 10025-2)	5.025	K218	K262	beam (80)

Name	Cross-section	Material	Length [m]	Beg. node	End node	Type
S67	ST-14 - UNP200	S 235 JR (EN 10025-2)	7.061	K269	K265	beam (80)
S68	ST-14 - UNP200	S 235 JR (EN 10025-2)	7.061	K266	K268	beam (80)
S71	ST-14 - UNP200	S 235 JR (EN 10025-2)	8.061	K273	K276	beam (80)
S72	ST-14 - UNP200	S 235 JR (EN 10025-2)	8.061	K277	K272	beam (80)
S76	ST-14 - UNP200	S 235 JR (EN 10025-2)	8.061	K293	K288	beam (80)
S78	ST-14 - UNP200	S 235 JR (EN 10025-2)	8.061	K289	K292	beam (80)
S79	ST-14 - UNP200	S 235 JR (EN 10025-2)	8.061	K294	K297	beam (80)
S81	ST-14 - UNP200	S 235 JR (EN 10025-2)	8.061	K298	K301	beam (80)
S83	ST-12 - IPE300	S 235 JR (EN 10025-2)	6.800	K302	K306	beam (80)
S84	ST-15 - UNP300	S 235 JR (EN 10025-2)	10.000	K435	K415	beam (80)
S85	ST-15 - UNP300	S 235 JR (EN 10025-2)	10.000	K436	K416	beam (80)
S90	ST-17 - CFCHS219.1X6	S 355 J2 (EN 10025-2)	2.082	K320	K313	column (100)
S91	ST-17 - CFCHS219.1X6	S 355 J2 (EN 10025-2)	2.082	K321	K315	column (100)
S92	ST-17 - CFCHS219.1X6	S 355 J2 (EN 10025-2)	2.082	K319	K317	column (100)
S93	ST-17 - CFCHS219.1X6	S 355 J2 (EN 10025-2)	2.082	K322	K311	column (100)
S94	ST-17 - CFCHS219.1X6	S 355 J2 (EN 10025-2)	2.082	K323	K324	column (100)
S95	ST-17 - CFCHS219.1X6	S 355 J2 (EN 10025-2)	2.082	K325	K326	column (100)
S96	ST-17 - CFCHS219.1X6	S 355 J2 (EN 10025-2)	2.082	K327	K328	column (100)
S97	ST-17 - CFCHS219.1X6	S 355 J2 (EN 10025-2)	2.082	K329	K330	column (100)
S98	ST-17 - CFCHS219.1X6	S 355 J2 (EN 10025-2)	2.082	K331	K332	column (100)
S99	ST-17 - CFCHS219.1X6	S 355 J2 (EN 10025-2)	2.082	K333	K334	column (100)
S100	ST-17 - CFCHS219.1X6	S 355 J2 (EN 10025-2)	2.082	K335	K336	column (100)
S101	ST-17 - CFCHS219.1X6	S 355 J2 (EN 10025-2)	2.082	K337	K338	column (100)
S102	ST-17 - CFCHS219.1X6	S 355 J2 (EN 10025-2)	2.082	K339	K340	column (100)
S103	ST-17 - CFCHS219.1X6	S 355 J2 (EN 10025-2)	2.082	K341	K342	column (100)
S104	ST-17 - CFCHS219.1X6	S 355 J2 (EN 10025-2)	2.082	K343	K344	column (100)
S105	ST-17 - CFCHS219.1X6	S 355 J2 (EN 10025-2)	2.082	K345	K346	column (100)
S106	ST-17 - CFCHS219.1X6	S 355 J2 (EN 10025-2)	2.082	K347	K348	column (100)
S107	ST-17 - CFCHS219.1X6	S 355 J2 (EN 10025-2)	2.082	K349	K350	column (100)
S108	ST-17 - CFCHS219.1X6	S 355 J2 (EN 10025-2)	2.082	K351	K352	column (100)
S109	ST-17 - CFCHS219.1X6	S 355 J2 (EN 10025-2)	2.082	K353	K354	column (100)
S110	ST-17 - CFCHS219.1X6	S 355 J2 (EN 10025-2)	2.082	K355	K356	column (100)
S111	ST-17 - CFCHS219.1X6	S 355 J2 (EN 10025-2)	2.082	K357	K358	column (100)
S112	ST-17 - CFCHS219.1X6	S 355 J2 (EN 10025-2)	2.082	K359	K360	column (100)
S113	ST-17 - CFCHS219.1X6	S 355 J2 (EN 10025-2)	2.082	K361	K362	column (100)
S86	ST-18 - HEA220	S 235 JR (EN 10025-2)	1.135	K356	K363	column (100)
S114	ST-18 - HEA220	S 235 JR (EN 10025-2)	1.135	K358	K364	column (100)
S115	ST-18 - HEA220	S 235 JR (EN 10025-2)	1.135	K362	K365	column (100)
S116	ST-18 - HEA220	S 235 JR (EN 10025-2)	1.135	K360	K366	column (100)
S117	ST-18 - HEA220	S 235 JR (EN 10025-2)	1.135	K348	K367	column (100)
S118	ST-18 - HEA220	S 235 JR (EN 10025-2)	1.135	K350	K368	column (100)
S119	ST-18 - HEA220	S 235 JR (EN 10025-2)	1.135	K354	K369	column (100)
S120	ST-18 - HEA220	S 235 JR (EN 10025-2)	1.135	K352	K370	column (100)
S121	ST-18 - HEA220	S 235 JR (EN 10025-2)	1.135	K340	K371	column (100)
S122	ST-18 - HEA220	S 235 JR (EN 10025-2)	1.135	K342	K372	column (100)
S123	ST-18 - HEA220	S 235 JR (EN 10025-2)	1.135	K346	K373	column (100)
S124	ST-18 - HEA220	S 235 JR (EN 10025-2)	1.135	K344	K374	column (100)
S125	ST-18 - HEA220	S 235 JR (EN 10025-2)	1.135	K332	K375	column (100)
S126	ST-18 - HEA220	S 235 JR (EN 10025-2)	1.135	K334	K376	column (100)
S127	ST-18 - HEA220	S 235 JR (EN 10025-2)	1.135	K338	K377	column (100)
S128	ST-18 - HEA220	S 235 JR (EN 10025-2)	1.135	K336	K378	column (100)
S129	ST-18 - HEA220	S 235 JR (EN 10025-2)	1.135	K324	K379	column (100)
S130	ST-18 - HEA220	S 235 JR (EN 10025-2)	1.135	K326	K380	column (100)
S131	ST-18 - HEA220	S 235 JR (EN 10025-2)	1.135	K330	K381	column (100)
S132	ST-18 - HEA220	S 235 JR (EN 10025-2)	1.135	K328	K382	column (100)
S133	ST-18 - HEA220	S 235 JR (EN 10025-2)	1.135	K313	K383	column (100)
S134	ST-18 - HEA220	S 235 JR (EN 10025-2)	1.135	K315	K384	column (100)
S135	ST-18 - HEA220	S 235 JR (EN 10025-2)	1.135	K311	K385	column (100)
S136	ST-18 - HEA220	S 235 JR (EN 10025-2)	1.135	K317	K386	column (100)
S137	ST-19 - FLA100/20	S 235 JR (EN 10025-2)	5.898	K150	K158	beam (80)
S138	ST-19 - FLA100/20	S 235 JR (EN 10025-2)	5.898	K151	K157	beam (80)
S139	ST-19 - FLA100/20	S 235 JR (EN 10025-2)	5.898	K159	K162	beam (80)
S140	ST-19 - FLA100/20	S 235 JR (EN 10025-2)	5.898	K161	K160	beam (80)
S141	ST-19 - FLA100/20	S 235 JR (EN 10025-2)	5.898	K163	K166	beam (80)
S142	ST-19 - FLA100/20	S 235 JR (EN 10025-2)	5.898	K165	K164	beam (80)
S143	ST-19 - FLA100/20	S 235 JR (EN 10025-2)	5.898	K167	K170	beam (80)
S144	ST-19 - FLA100/20	S 235 JR (EN 10025-2)	5.898	K169	K168	beam (80)

Name	Cross-section	Material	Length [m]	Beg. node	End node	Type
S145	ST-19 - FLA100/20	S 235 JR (EN 10025-2)	5.898	K171	K174	beam (80)
S146	ST-19 - FLA100/20	S 235 JR (EN 10025-2)	5.898	K173	K172	beam (80)
S147	ST-19 - FLA100/20	S 235 JR (EN 10025-2)	5.898	K175	K178	beam (80)
S148	ST-19 - FLA100/20	S 235 JR (EN 10025-2)	5.898	K177	K176	beam (80)
S149	ST-19 - FLA100/20	S 235 JR (EN 10025-2)	5.898	K179	K182	beam (80)
S150	ST-19 - FLA100/20	S 235 JR (EN 10025-2)	5.898	K181	K180	beam (80)
S151	ST-19 - FLA100/20	S 235 JR (EN 10025-2)	5.898	K183	K186	beam (80)
S152	ST-19 - FLA100/20	S 235 JR (EN 10025-2)	5.898	K185	K184	beam (80)
S153	ST-19 - FLA100/20	S 235 JR (EN 10025-2)	5.898	K187	K190	beam (80)
S154	ST-19 - FLA100/20	S 235 JR (EN 10025-2)	5.898	K189	K188	beam (80)
S155	ST-19 - FLA100/20	S 235 JR (EN 10025-2)	5.898	K191	K194	beam (80)
S156	ST-19 - FLA100/20	S 235 JR (EN 10025-2)	5.898	K193	K192	beam (80)
S157	ST-19 - FLA100/20	S 235 JR (EN 10025-2)	5.898	K195	K198	beam (80)
S158	ST-19 - FLA100/20	S 235 JR (EN 10025-2)	5.898	K197	K196	beam (80)
S159	ST-19 - FLA100/20	S 235 JR (EN 10025-2)	5.898	K199	K202	beam (80)
S160	ST-19 - FLA100/20	S 235 JR (EN 10025-2)	5.898	K201	K200	beam (80)
S161	ST-15 - UNP300	S 235 JR (EN 10025-2)	10.000	K413	K407	beam (80)
S166	ST-23 - IPE200	S 235 JR (EN 10025-2)	3.500	K391	K392	beam (80)
S167	ST-23 - IPE200	S 235 JR (EN 10025-2)	3.500	K393	K394	beam (80)
S168	ST-23 - IPE200	S 235 JR (EN 10025-2)	3.500	K395	K396	beam (80)
S169	ST-23 - IPE200	S 235 JR (EN 10025-2)	3.500	K397	K398	beam (80)
S170	ST-23 - IPE200	S 235 JR (EN 10025-2)	3.500	K399	K400	beam (80)
S171	ST-23 - IPE200	S 235 JR (EN 10025-2)	3.500	K401	K402	beam (80)
S172	ST-23 - IPE200	S 235 JR (EN 10025-2)	3.500	K403	K404	beam (80)
S174	ST-23 - IPE200	S 235 JR (EN 10025-2)	3.500	K407	K408	beam (80)
S175	ST-23 - IPE200	S 235 JR (EN 10025-2)	3.500	K409	K410	beam (80)
S176	ST-23 - IPE200	S 235 JR (EN 10025-2)	3.500	K411	K412	beam (80)
S177	ST-23 - IPE200	S 235 JR (EN 10025-2)	3.500	K413	K414	beam (80)
S178	ST-15 - UNP300	S 235 JR (EN 10025-2)	10.000	K414	K408	beam (80)
S179	ST-23 - IPE200	S 235 JR (EN 10025-2)	3.500	K415	K416	beam (80)
S180	ST-23 - IPE200	S 235 JR (EN 10025-2)	3.500	K417	K418	beam (80)
S181	ST-23 - IPE200	S 235 JR (EN 10025-2)	3.500	K419	K420	beam (80)
S182	ST-23 - IPE200	S 235 JR (EN 10025-2)	3.500	K421	K422	beam (80)
S183	ST-23 - IPE200	S 235 JR (EN 10025-2)	3.500	K423	K424	beam (80)
S184	ST-23 - IPE200	S 235 JR (EN 10025-2)	3.500	K425	K426	beam (80)
S185	ST-23 - IPE200	S 235 JR (EN 10025-2)	3.500	K427	K428	beam (80)
S186	ST-23 - IPE200	S 235 JR (EN 10025-2)	3.500	K429	K430	beam (80)
S187	ST-23 - IPE200	S 235 JR (EN 10025-2)	3.500	K431	K432	beam (80)
S188	ST-23 - IPE200	S 235 JR (EN 10025-2)	3.500	K433	K434	beam (80)
S189	ST-23 - IPE200	S 235 JR (EN 10025-2)	3.500	K435	K436	beam (80)
S190	ST-23 - IPE200	S 235 JR (EN 10025-2)	3.500	K438	K439	beam (80)
S191	ST-23 - IPE200	S 235 JR (EN 10025-2)	3.500	K440	K441	beam (80)
S192	ST-23 - IPE200	S 235 JR (EN 10025-2)	3.500	K442	K443	beam (80)
S193	ST-23 - IPE200	S 235 JR (EN 10025-2)	3.500	K444	K445	beam (80)
S194	ST-23 - IPE200	S 235 JR (EN 10025-2)	3.500	K446	K447	beam (80)
S195	ST-23 - IPE200	S 235 JR (EN 10025-2)	3.500	K448	K449	beam (80)
S196	ST-23 - IPE200	S 235 JR (EN 10025-2)	3.500	K437	K450	beam (80)
S197	ST-23 - IPE200	S 235 JR (EN 10025-2)	3.500	K451	K452	beam (80)
S198	ST-23 - IPE200	S 235 JR (EN 10025-2)	3.500	K453	K454	beam (80)
S199	ST-23 - IPE200	S 235 JR (EN 10025-2)	3.500	K455	K456	beam (80)
S200	ST-23 - IPE200	S 235 JR (EN 10025-2)	3.500	K457	K458	beam (80)
S201	ST-15 - UNP300	S 235 JR (EN 10025-2)	10.000	K457	K451	beam (80)
S202	ST-15 - UNP300	S 235 JR (EN 10025-2)	10.000	K458	K452	beam (80)
S203	ST-23 - IPE200	S 235 JR (EN 10025-2)	3.500	K460	K461	beam (80)
S204	ST-23 - IPE200	S 235 JR (EN 10025-2)	3.500	K462	K463	beam (80)
S205	ST-23 - IPE200	S 235 JR (EN 10025-2)	3.500	K464	K465	beam (80)
S206	ST-23 - IPE200	S 235 JR (EN 10025-2)	3.500	K466	K467	beam (80)
S207	ST-23 - IPE200	S 235 JR (EN 10025-2)	3.500	K468	K469	beam (80)
S208	ST-23 - IPE200	S 235 JR (EN 10025-2)	3.500	K470	K471	beam (80)
S209	ST-23 - IPE200	S 235 JR (EN 10025-2)	3.500	K459	K472	beam (80)
S210	ST-23 - IPE200	S 235 JR (EN 10025-2)	3.500	K473	K474	beam (80)
S211	ST-23 - IPE200	S 235 JR (EN 10025-2)	3.500	K475	K476	beam (80)
S212	ST-23 - IPE200	S 235 JR (EN 10025-2)	3.500	K477	K478	beam (80)
S213	ST-23 - IPE200	S 235 JR (EN 10025-2)	3.500	K479	K480	beam (80)
S214	ST-15 - UNP300	S 235 JR (EN 10025-2)	10.000	K479	K473	beam (80)
S215	ST-15 - UNP300	S 235 JR (EN 10025-2)	10.000	K480	K474	beam (80)
S216	ST-23 - IPE200	S 235 JR (EN 10025-2)	3.500	K482	K483	beam (80)

Name	Cross-section	Material	Length [m]	Beg. node	End node	Type
S217	ST-23 - IPE200	S 235 JR (EN 10025-2)	3.500	K484	K485	beam (80)
S218	ST-23 - IPE200	S 235 JR (EN 10025-2)	3.500	K486	K487	beam (80)
S219	ST-23 - IPE200	S 235 JR (EN 10025-2)	3.500	K488	K489	beam (80)
S220	ST-23 - IPE200	S 235 JR (EN 10025-2)	3.500	K490	K491	beam (80)
S221	ST-23 - IPE200	S 235 JR (EN 10025-2)	3.500	K492	K493	beam (80)
S222	ST-23 - IPE200	S 235 JR (EN 10025-2)	3.500	K481	K494	beam (80)
S223	ST-23 - IPE200	S 235 JR (EN 10025-2)	3.500	K495	K496	beam (80)
S224	ST-23 - IPE200	S 235 JR (EN 10025-2)	3.500	K497	K498	beam (80)
S225	ST-23 - IPE200	S 235 JR (EN 10025-2)	3.500	K499	K500	beam (80)
S226	ST-23 - IPE200	S 235 JR (EN 10025-2)	3.500	K501	K502	beam (80)
S227	ST-15 - UNP300	S 235 JR (EN 10025-2)	10.000	K501	K495	beam (80)
S228	ST-15 - UNP300	S 235 JR (EN 10025-2)	10.000	K502	K496	beam (80)
S229	ST-23 - IPE200	S 235 JR (EN 10025-2)	3.500	K504	K505	beam (80)
S230	ST-23 - IPE200	S 235 JR (EN 10025-2)	3.500	K506	K507	beam (80)
S231	ST-23 - IPE200	S 235 JR (EN 10025-2)	3.500	K508	K509	beam (80)
S232	ST-23 - IPE200	S 235 JR (EN 10025-2)	3.500	K510	K511	beam (80)
S233	ST-23 - IPE200	S 235 JR (EN 10025-2)	3.500	K512	K513	beam (80)
S234	ST-23 - IPE200	S 235 JR (EN 10025-2)	3.500	K514	K515	beam (80)
S235	ST-23 - IPE200	S 235 JR (EN 10025-2)	3.500	K503	K516	beam (80)
S236	ST-23 - IPE200	S 235 JR (EN 10025-2)	3.500	K517	K518	beam (80)
S237	ST-23 - IPE200	S 235 JR (EN 10025-2)	3.500	K519	K520	beam (80)
S238	ST-23 - IPE200	S 235 JR (EN 10025-2)	3.500	K521	K522	beam (80)
S239	ST-23 - IPE200	S 235 JR (EN 10025-2)	3.500	K523	K524	beam (80)
S240	ST-15 - UNP300	S 235 JR (EN 10025-2)	10.000	K523	K517	beam (80)
S241	ST-15 - UNP300	S 235 JR (EN 10025-2)	10.000	K524	K518	beam (80)
S242	ST-18 - HEA220	S 235 JR (EN 10025-2)	2.530	K370	K525	column (100)
S243	ST-18 - HEA220	S 235 JR (EN 10025-2)	2.530	K526	K527	column (100)
S244	ST-18 - HEA220	S 235 JR (EN 10025-2)	2.530	K528	K529	column (100)
S245	ST-18 - HEA220	S 235 JR (EN 10025-2)	2.530	K530	K531	column (100)
S246	ST-18 - HEA220	S 235 JR (EN 10025-2)	1.200	K525	K531	beam (80)
S247	ST-18 - HEA220	S 235 JR (EN 10025-2)	1.200	K527	K529	beam (80)
S248	ST-18 - HEA220	S 235 JR (EN 10025-2)	1.200	K534	K535	beam (80)
S249	ST-18 - HEA220	S 235 JR (EN 10025-2)	1.200	K532	K533	beam (80)
S250	ST-18 - HEA220	S 235 JR (EN 10025-2)	0.500	K537	K530	beam (80)
S251	ST-18 - HEA220	S 235 JR (EN 10025-2)	1.000	K538	K536	beam (80)
S252	ST-20 - HEA260	S 235 JR (EN 10025-2)	3.500	K311	K317	beam (80)
S253	ST-20 - HEA260	S 235 JR (EN 10025-2)	3.500	K313	K315	beam (80)
S254	ST-20 - HEA260	S 235 JR (EN 10025-2)	3.500	K330	K328	beam (80)
S255	ST-20 - HEA260	S 235 JR (EN 10025-2)	3.500	K324	K326	beam (80)
S256	ST-20 - HEA260	S 235 JR (EN 10025-2)	3.500	K338	K336	beam (80)
S257	ST-20 - HEA260	S 235 JR (EN 10025-2)	3.500	K332	K334	beam (80)
S258	ST-20 - HEA260	S 235 JR (EN 10025-2)	3.500	K340	K342	beam (80)
S259	ST-20 - HEA260	S 235 JR (EN 10025-2)	3.500	K354	K352	beam (80)
S260	ST-20 - HEA260	S 235 JR (EN 10025-2)	3.500	K348	K350	beam (80)
S261	ST-20 - HEA260	S 235 JR (EN 10025-2)	3.500	K362	K360	beam (80)
S262	ST-20 - HEA260	S 235 JR (EN 10025-2)	3.500	K356	K358	beam (80)
S263	ST-21 - Circle (540)	C35/45	25.000	K539	K540	column (100)
S264	ST-21 - Circle (540)	C35/45	25.000	K541	K542	column (100)
S265	ST-21 - Circle (540)	C35/45	25.000	K543	K544	column (100)
S266	ST-21 - Circle (540)	C35/45	25.000	K545	K546	column (100)
S267	ST-21 - Circle (540)	C35/45	25.000	K547	K548	column (100)
S268	ST-21 - Circle (540)	C35/45	25.000	K549	K550	column (100)
S269	ST-21 - Circle (540)	C35/45	25.000	K551	K552	column (100)
S270	ST-21 - Circle (540)	C35/45	25.000	K553	K554	column (100)
S271	ST-21 - Circle (540)	C35/45	25.000	K555	K556	column (100)
S272	ST-21 - Circle (540)	C35/45	25.000	K557	K558	column (100)
S273	ST-21 - Circle (540)	C35/45	25.000	K559	K560	column (100)
S274	ST-21 - Circle (540)	C35/45	25.000	K561	K562	column (100)
S275	ST-21 - Circle (540)	C35/45	25.000	K563	K564	column (100)
S276	ST-21 - Circle (540)	C35/45	25.000	K565	K566	column (100)
S277	ST-21 - Circle (540)	C35/45	25.000	K567	K568	column (100)
S278	ST-21 - Circle (540)	C35/45	25.000	K569	K570	column (100)
S279	ST-21 - Circle (540)	C35/45	25.000	K571	K572	column (100)
S280	ST-21 - Circle (540)	C35/45	25.000	K573	K574	column (100)
S281	ST-21 - Circle (540)	C35/45	25.000	K575	K576	column (100)
S282	ST-21 - Circle (540)	C35/45	25.000	K577	K578	column (100)
S283	ST-21 - Circle (540)	C35/45	25.000	K579	K580	column (100)

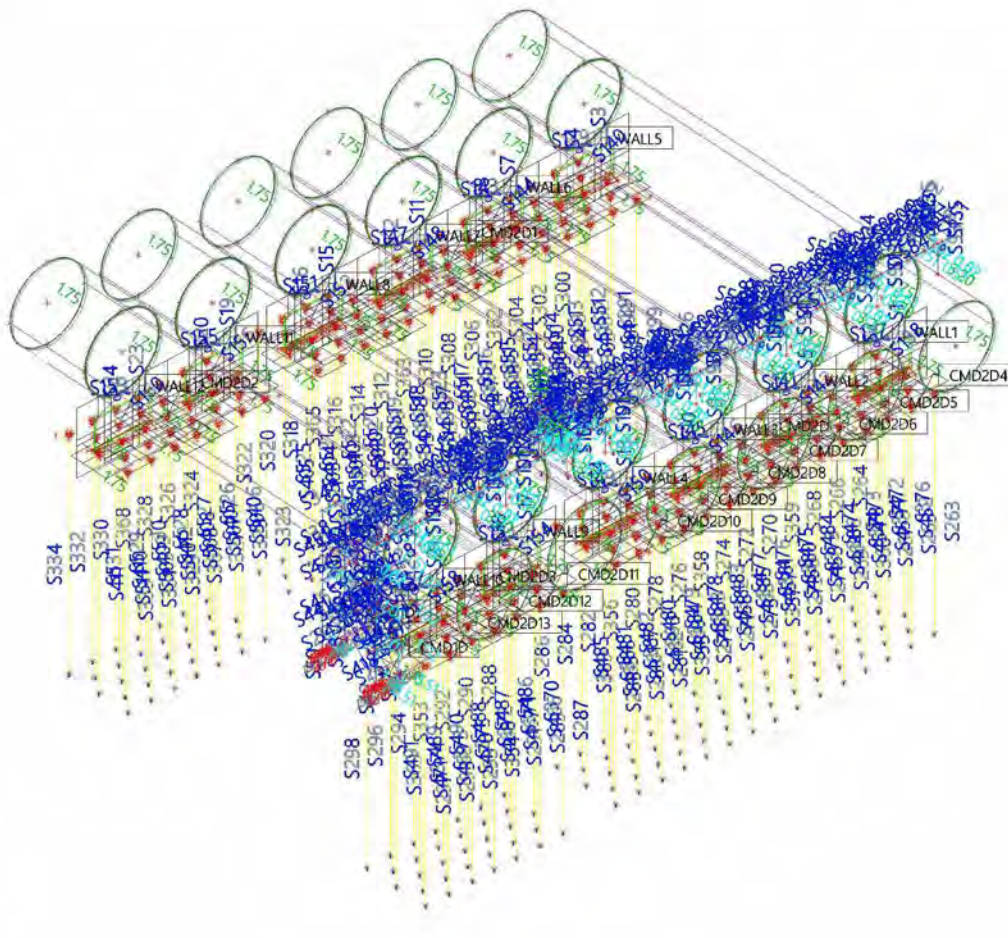
Name	Cross-section	Material	Length [m]	Beg. node	End node	Type
S284	ST-21 - Circle (540)	C35/45	25.000	K581	K582	column (100)
S285	ST-21 - Circle (540)	C35/45	25.000	K583	K584	column (100)
S286	ST-21 - Circle (540)	C35/45	25.000	K585	K586	column (100)
S287	ST-21 - Circle (540)	C35/45	25.000	K587	K588	column (100)
S288	ST-21 - Circle (540)	C35/45	25.000	K589	K590	column (100)
S289	ST-21 - Circle (540)	C35/45	25.000	K591	K592	column (100)
S290	ST-21 - Circle (540)	C35/45	25.000	K593	K594	column (100)
S291	ST-21 - Circle (540)	C35/45	25.000	K595	K596	column (100)
S292	ST-21 - Circle (540)	C35/45	25.000	K597	K598	column (100)
S293	ST-21 - Circle (540)	C35/45	25.000	K599	K600	column (100)
S294	ST-21 - Circle (540)	C35/45	25.000	K601	K602	column (100)
S295	ST-21 - Circle (540)	C35/45	25.000	K603	K604	column (100)
S296	ST-21 - Circle (540)	C35/45	25.000	K605	K606	column (100)
S297	ST-21 - Circle (540)	C35/45	25.000	K607	K608	column (100)
S298	ST-21 - Circle (540)	C35/45	25.000	K609	K610	column (100)
S299	ST-21 - Circle (540)	C35/45	25.000	K611	K612	column (100)
S300	ST-21 - Circle (540)	C35/45	25.000	K613	K614	column (100)
S301	ST-21 - Circle (540)	C35/45	25.000	K615	K616	column (100)
S302	ST-21 - Circle (540)	C35/45	25.000	K617	K618	column (100)
S303	ST-21 - Circle (540)	C35/45	25.000	K619	K620	column (100)
S304	ST-21 - Circle (540)	C35/45	25.000	K621	K622	column (100)
S305	ST-21 - Circle (540)	C35/45	25.000	K623	K624	column (100)
S306	ST-21 - Circle (540)	C35/45	25.000	K625	K626	column (100)
S307	ST-21 - Circle (540)	C35/45	25.000	K627	K628	column (100)
S308	ST-21 - Circle (540)	C35/45	25.000	K629	K630	column (100)
S309	ST-21 - Circle (540)	C35/45	25.000	K631	K632	column (100)
S310	ST-21 - Circle (540)	C35/45	25.000	K633	K634	column (100)
S311	ST-21 - Circle (540)	C35/45	25.000	K635	K636	column (100)
S312	ST-21 - Circle (540)	C35/45	25.000	K637	K638	column (100)
S313	ST-21 - Circle (540)	C35/45	25.000	K639	K640	column (100)
S314	ST-21 - Circle (540)	C35/45	25.000	K641	K642	column (100)
S315	ST-21 - Circle (540)	C35/45	25.000	K643	K644	column (100)
S316	ST-21 - Circle (540)	C35/45	25.000	K645	K646	column (100)
S317	ST-21 - Circle (540)	C35/45	25.000	K647	K648	column (100)
S318	ST-21 - Circle (540)	C35/45	25.000	K649	K650	column (100)
S319	ST-21 - Circle (540)	C35/45	25.000	K651	K652	column (100)
S320	ST-21 - Circle (540)	C35/45	25.000	K653	K654	column (100)
S321	ST-21 - Circle (540)	C35/45	25.000	K655	K656	column (100)
S322	ST-21 - Circle (540)	C35/45	25.000	K657	K658	column (100)
S323	ST-21 - Circle (540)	C35/45	25.000	K659	K660	column (100)
S324	ST-21 - Circle (540)	C35/45	25.000	K661	K662	column (100)
S325	ST-21 - Circle (540)	C35/45	25.000	K663	K664	column (100)
S326	ST-21 - Circle (540)	C35/45	25.000	K665	K666	column (100)
S327	ST-21 - Circle (540)	C35/45	25.000	K667	K668	column (100)
S328	ST-21 - Circle (540)	C35/45	25.000	K669	K670	column (100)
S329	ST-21 - Circle (540)	C35/45	25.000	K671	K672	column (100)
S330	ST-21 - Circle (540)	C35/45	25.000	K673	K674	column (100)
S331	ST-21 - Circle (540)	C35/45	25.000	K675	K676	column (100)
S332	ST-21 - Circle (540)	C35/45	25.000	K677	K678	column (100)
S333	ST-21 - Circle (540)	C35/45	25.000	K679	K680	column (100)
S334	ST-21 - Circle (540)	C35/45	25.000	K681	K682	column (100)
S339	ST-20 - HEA260	S 235 JR (EN 10025-2)	3.500	K346	K344	beam (80)
S340	ST-23 - IPE200	S 235 JR (EN 10025-2)	3.500	K385	K386	beam (80)
S341	ST-23 - IPE200	S 235 JR (EN 10025-2)	3.500	K383	K384	beam (80)
S342	ST-23 - IPE200	S 235 JR (EN 10025-2)	3.500	K379	K380	beam (80)
S343	ST-23 - IPE200	S 235 JR (EN 10025-2)	3.500	K381	K382	beam (80)
S344	ST-23 - IPE200	S 235 JR (EN 10025-2)	3.500	K375	K376	beam (80)
S345	ST-23 - IPE200	S 235 JR (EN 10025-2)	3.500	K377	K378	beam (80)
S346	ST-23 - IPE200	S 235 JR (EN 10025-2)	3.500	K371	K372	beam (80)
S347	ST-23 - IPE200	S 235 JR (EN 10025-2)	3.500	K373	K374	beam (80)
S348	ST-23 - IPE200	S 235 JR (EN 10025-2)	3.500	K367	K368	beam (80)
S349	ST-23 - IPE200	S 235 JR (EN 10025-2)	3.500	K369	K370	beam (80)
S350	ST-23 - IPE200	S 235 JR (EN 10025-2)	3.500	K363	K364	beam (80)
S351	ST-23 - IPE200	S 235 JR (EN 10025-2)	3.500	K365	K366	beam (80)
S352	ST-18 - HEA220	S 235 JR (EN 10025-2)	0.500	K530	K538	beam (80)
S353	ST-21 - Circle (540)	C35/45	25.000	K1124	K1125	column (100)
S354	ST-21 - Circle (540)	C35/45	25.000	K1130	K1131	column (100)

Name	Cross-section	Material	Length [m]	Beg. node	End node	Type
S355	ST-21 - Circle (540)	C35/45	25.000	K1136	K1137	column (100)
S356	ST-21 - Circle (540)	C35/45	25.000	K1138	K1139	column (100)
S357	ST-21 - Circle (540)	C35/45	25.000	K1148	K1149	column (100)
S358	ST-21 - Circle (540)	C35/45	25.000	K1154	K1155	column (100)
S359	ST-21 - Circle (540)	C35/45	25.000	K1160	K1161	column (100)
S360	ST-21 - Circle (540)	C35/45	25.000	K1166	K1167	column (100)
S361	ST-21 - Circle (540)	C35/45	25.000	K1172	K1173	column (100)
S362	ST-21 - Circle (540)	C35/45	25.000	K1178	K1179	column (100)
S363	ST-21 - Circle (540)	C35/45	25.000	K1184	K1185	column (100)
S364	ST-21 - Circle (540)	C35/45	25.000	K1190	K1191	column (100)
S365	ST-21 - Circle (540)	C35/45	25.000	K1196	K1197	column (100)
S366	ST-21 - Circle (540)	C35/45	25.000	K1202	K1203	column (100)
S367	ST-21 - Circle (540)	C35/45	25.000	K1208	K1209	column (100)
S368	ST-21 - Circle (540)	C35/45	25.000	K1214	K1215	column (100)
S369	ST-21 - Circle (540)	C35/45	25.000	K1220	K1221	column (100)
S370	ST-21 - Circle (540)	C35/45	25.000	K1226	K1227	column (100)
S371	ST-21 - Circle (540)	C35/45	25.000	K1228	K1229	column (100)
S372	ST-21 - Circle (540)	C35/45	25.000	K1230	K1231	column (100)
S373	ST-21 - Circle (540)	C35/45	25.000	K1232	K1233	column (100)
S374	ST-21 - Circle (540)	C35/45	25.000	K1234	K1235	column (100)
S375	ST-21 - Circle (540)	C35/45	25.000	K1256	K1257	column (100)
S376	ST-21 - Circle (540)	C35/45	25.000	K1262	K1263	column (100)
S377	ST-21 - Circle (540)	C35/45	25.000	K1264	K1265	column (100)
S378	ST-21 - Circle (540)	C35/45	25.000	K1266	K1267	column (100)
S379	ST-21 - Circle (540)	C35/45	25.000	K1268	K1269	column (100)
S380	ST-21 - Circle (540)	C35/45	25.000	K1270	K1271	column (100)
S381	ST-21 - Circle (540)	C35/45	25.000	K1272	K1273	column (100)
S382	ST-21 - Circle (540)	C35/45	25.000	K1274	K1275	column (100)
S383	ST-21 - Circle (540)	C35/45	25.000	K1276	K1277	column (100)
S384	ST-21 - Circle (540)	C35/45	25.000	K1278	K1279	column (100)
S385	ST-21 - Circle (540)	C35/45	25.000	K1316	K1317	column (100)
S386	ST-21 - Circle (540)	C35/45	25.000	K1322	K1323	column (100)
S387	ST-21 - Circle (540)	C35/45	25.000	K1328	K1329	column (100)
S388	ST-21 - Circle (540)	C35/45	25.000	K1330	K1331	column (100)
S389	ST-21 - Circle (540)	C35/45	25.000	K1332	K1333	column (100)
S390	ST-21 - Circle (540)	C35/45	25.000	K1346	K1347	column (100)
S391	ST-21 - Circle (540)	C35/45	25.000	K1352	K1353	column (100)
S392	ST-21 - Circle (540)	C35/45	25.000	K1354	K1355	column (100)
S393	ST-21 - Circle (540)	C35/45	25.000	K1356	K1357	column (100)
S394	ST-21 - Circle (540)	C35/45	25.000	K1370	K1371	column (100)
S395	ST-21 - Circle (540)	C35/45	25.000	K1372	K1373	column (100)
S396	ST-21 - Circle (540)	C35/45	25.000	K1374	K1375	column (100)
S397	ST-21 - Circle (540)	C35/45	25.000	K1376	K1377	column (100)
S398	ST-21 - Circle (540)	C35/45	25.000	K1378	K1379	column (100)
S399	ST-21 - Circle (540)	C35/45	25.000	K1380	K1381	column (100)
S400	ST-21 - Circle (540)	C35/45	25.000	K1406	K1407	column (100)
S401	ST-21 - Circle (540)	C35/45	25.000	K1412	K1413	column (100)
S402	ST-21 - Circle (540)	C35/45	25.000	K1418	K1419	column (100)
S403	ST-21 - Circle (540)	C35/45	25.000	K1424	K1425	column (100)
S404	ST-21 - Circle (540)	C35/45	25.000	K1426	K1427	column (100)
S405	ST-21 - Circle (540)	C35/45	25.000	K1428	K1429	column (100)
S406	ST-21 - Circle (540)	C35/45	25.000	K1442	K1443	column (100)
S407	ST-21 - Circle (540)	C35/45	25.000	K1444	K1445	column (100)
S408	ST-21 - Circle (540)	C35/45	25.000	K1446	K1447	column (100)
S409	ST-21 - Circle (540)	C35/45	25.000	K1448	K1449	column (100)
S410	ST-21 - Circle (540)	C35/45	25.000	K1450	K1451	column (100)
S411	ST-21 - Circle (540)	C35/45	25.000	K1452	K1453	column (100)
S412	ST-21 - Circle (540)	C35/45	25.000	K1478	K1479	column (100)
S418	GEN-11 - Rigid (Numerical)	Rigid	0.807	K265	K266	beam (80)
S419	GEN-11 - Rigid (Numerical)	Rigid	0.807	N110	N107	beam (80)
S420	GEN-11 - Rigid (Numerical)	Rigid	0.807	N109	N108	beam (80)
S421	GEN-11 - Rigid (Numerical)	Rigid	0.807	K267	K264	beam (80)
S424	GEN-11 - Rigid (Numerical)	Rigid	0.807	K275	K270	beam (80)
S428	GEN-11 - Rigid (Numerical)	Rigid	0.807	N112	N111	beam (80)
S429	GEN-11 - Rigid (Numerical)	Rigid	0.807	N114	N113	beam (80)
S431	GEN-11 - Rigid (Numerical)	Rigid	0.807	K271	K274	beam (80)
S435	GEN-11 - Rigid (Numerical)	Rigid	0.807	K296	K299	beam (80)

Name	Cross-section	Material	Length [m]	Beg. node	End node	Type
S437	GEN-11 - Rigid (Numerical)	Rigid	0.807	N117	N116	beam (80)
S439	GEN-11 - Rigid (Numerical)	Rigid	0.807	N118	N115	beam (80)
S441	GEN-11 - Rigid (Numerical)	Rigid	0.807	K295	K300	beam (80)
S445	GEN-11 - Rigid (Numerical)	Rigid	0.807	K287	K290	beam (80)
S447	GEN-11 - Rigid (Numerical)	Rigid	0.807	N121	N120	beam (80)
S449	GEN-11 - Rigid (Numerical)	Rigid	0.807	N122	N119	beam (80)
S451	GEN-11 - Rigid (Numerical)	Rigid	0.807	K286	K291	beam (80)
S452	ST-21 - Circle (540)	C35/45	25.000	K1488	K1489	column (100)
S453	ST-21 - Circle (540)	C35/45	25.000	K1490	K1491	column (100)
S454	ST-21 - Circle (540)	C35/45	25.000	K1492	K1493	column (100)
S455	ST-21 - Circle (540)	C35/45	25.000	K1506	K1507	column (100)
S456	ST-21 - Circle (540)	C35/45	25.000	K1508	K1509	column (100)
S457	ST-21 - Circle (540)	C35/45	25.000	K1510	K1511	column (100)
S458	ST-21 - Circle (540)	C35/45	25.000	K1512	K1513	column (100)
S459	ST-21 - Circle (540)	C35/45	25.000	K1514	K1515	column (100)
S460	ST-21 - Circle (540)	C35/45	25.000	K1516	K1517	column (100)
S461	ST-21 - Circle (540)	C35/45	25.000	K1518	K1519	column (100)
S462	ST-21 - Circle (540)	C35/45	25.000	K1548	K1549	column (100)
S463	ST-21 - Circle (540)	C35/45	25.000	K1554	K1555	column (100)
S464	ST-21 - Circle (540)	C35/45	25.000	K1560	K1561	column (100)
S465	ST-21 - Circle (540)	C35/45	25.000	K1566	K1567	column (100)
S466	ST-21 - Circle (540)	C35/45	25.000	K1572	K1573	column (100)
S467	ST-21 - Circle (540)	C35/45	25.000	K1574	K1575	column (100)
S468	ST-21 - Circle (540)	C35/45	25.000	K1576	K1577	column (100)
S469	ST-21 - Circle (540)	C35/45	25.000	K1578	K1579	column (100)
S470	ST-21 - Circle (540)	C35/45	25.000	K1596	K1597	column (100)
S471	ST-21 - Circle (540)	C35/45	25.000	K1602	K1603	column (100)
S472	ST-21 - Circle (540)	C35/45	25.000	K1608	K1609	column (100)
S473	ST-21 - Circle (540)	C35/45	25.000	K1610	K1611	column (100)
S474	ST-21 - Circle (540)	C35/45	25.000	K1612	K1613	column (100)
S475	ST-21 - Circle (540)	C35/45	25.000	K1626	K1627	column (100)
S476	ST-21 - Circle (540)	C35/45	25.000	K1628	K1629	column (100)
S477	ST-21 - Circle (540)	C35/45	25.000	K1630	K1631	column (100)
S478	ST-21 - Circle (540)	C35/45	25.000	K1632	K1633	column (100)
S479	ST-21 - Circle (540)	C35/45	25.000	K1634	K1635	column (100)
S480	ST-21 - Circle (540)	C35/45	25.000	K1636	K1637	column (100)
S481	ST-21 - Circle (540)	C35/45	25.000	K1638	K1639	column (100)
S482	ST-21 - Circle (540)	C35/45	25.000	K1668	K1669	column (100)
S483	ST-21 - Circle (540)	C35/45	25.000	K1674	K1675	column (100)
S484	ST-21 - Circle (540)	C35/45	25.000	K1680	K1681	column (100)
S485	ST-21 - Circle (540)	C35/45	25.000	K1686	K1687	column (100)
S486	ST-21 - Circle (540)	C35/45	25.000	K1692	K1693	column (100)
S487	ST-21 - Circle (540)	C35/45	25.000	K1694	K1695	column (100)
S488	ST-21 - Circle (540)	C35/45	25.000	K1696	K1697	column (100)
S489	ST-21 - Circle (540)	C35/45	25.000	K1698	K1699	column (100)
S490	ST-21 - Circle (540)	C35/45	25.000	K1716	K1717	column (100)
S491	ST-21 - Circle (540)	C35/45	25.000	K1722	K1723	column (100)
S492	ST-21 - Circle (540)	C35/45	25.000	K1728	K1729	column (100)
S493	ST-21 - Circle (540)	C35/45	25.000	K1730	K1731	column (100)
S494	ST-21 - Circle (540)	C35/45	25.000	K1732	K1733	column (100)
S495	ST-21 - Circle (540)	C35/45	25.000	K1746	K1747	column (100)
S496	ST-21 - Circle (540)	C35/45	25.000	K1748	K1749	column (100)
S497	ST-21 - Circle (540)	C35/45	25.000	K1750	K1751	column (100)
S498	ST-21 - Circle (540)	C35/45	25.000	K1752	K1753	column (100)
S499	ST-21 - Circle (540)	C35/45	25.000	K1754	K1755	column (100)
S500	ST-21 - Circle (540)	C35/45	25.000	K1756	K1757	column (100)
S501	ST-21 - Circle (540)	C35/45	25.000	K1758	K1759	column (100)
S502	ST-21 - Circle (540)	C35/45	25.000	K1788	K1789	column (100)
S503	ST-21 - Circle (540)	C35/45	25.000	K1794	K1795	column (100)
S504	ST-21 - Circle (540)	C35/45	25.000	K1800	K1801	column (100)
S505	ST-21 - Circle (540)	C35/45	25.000	K1806	K1807	column (100)
S506	ST-21 - Circle (540)	C35/45	25.000	K1812	K1813	column (100)
S507	ST-21 - Circle (540)	C35/45	25.000	K1814	K1815	column (100)
S508	ST-21 - Circle (540)	C35/45	25.000	K1816	K1817	column (100)
S509	ST-21 - Circle (540)	C35/45	25.000	K1818	K1819	column (100)
S510	ST-21 - Circle (540)	C35/45	25.000	K1836	K1837	column (100)
S511	ST-21 - Circle (540)	C35/45	25.000	K1842	K1843	column (100)

Name	Cross-section	Material	Length [m]	Beg. node	End node	Type
S512	ST-21 - Circle (540)	C35/45	25.000	K1848	K1849	column (100)
S513	ST-21 - Circle (540)	C35/45	25.000	K1850	K1851	column (100)
S514	ST-21 - Circle (540)	C35/45	25.000	K1852	K1853	column (100)
S515	ST-21 - Circle (540)	C35/45	25.000	K1866	K1867	column (100)
S516	ST-21 - Circle (540)	C35/45	25.000	K1868	K1869	column (100)
S517	ST-21 - Circle (540)	C35/45	25.000	K1870	K1871	column (100)
S518	ST-21 - Circle (540)	C35/45	25.000	K1872	K1873	column (100)
S519	ST-21 - Circle (540)	C35/45	25.000	K1874	K1875	column (100)
S520	ST-21 - Circle (540)	C35/45	25.000	K1876	K1877	column (100)
S521	ST-21 - Circle (540)	C35/45	25.000	K1878	K1879	column (100)
S522	ST-21 - Circle (540)	C35/45	25.000	K1908	K1909	column (100)
S523	ST-21 - Circle (540)	C35/45	25.000	K1914	K1915	column (100)
S524	ST-21 - Circle (540)	C35/45	25.000	K1920	K1921	column (100)
S525	ST-21 - Circle (540)	C35/45	25.000	K1926	K1927	column (100)
S526	ST-21 - Circle (540)	C35/45	25.000	K1932	K1933	column (100)
S527	ST-21 - Circle (540)	C35/45	25.000	K1934	K1935	column (100)
S528	ST-21 - Circle (540)	C35/45	25.000	K1936	K1937	column (100)
S529	ST-21 - Circle (540)	C35/45	25.000	K1938	K1939	column (100)
S530	ST-21 - Circle (540)	C35/45	25.000	K1956	K1957	column (100)
S531	ST-21 - Circle (540)	C35/45	25.000	K1962	K1963	column (100)
S432	ST-24 - HEA120	S 235 JR (EN 10025-2)	1.881	K356	K523	wall bracing (0)
S532	ST-24 - HEA120	S 235 JR (EN 10025-2)	1.881	K358	K524	wall bracing (0)
S533	ST-24 - HEA120	S 235 JR (EN 10025-2)	1.881	K362	K517	wall bracing (0)
S534	ST-24 - HEA120	S 235 JR (EN 10025-2)	1.881	K360	K518	wall bracing (0)
S535	ST-24 - HEA120	S 235 JR (EN 10025-2)	1.881	K354	K495	wall bracing (0)
S536	ST-24 - HEA120	S 235 JR (EN 10025-2)	1.881	K352	K496	wall bracing (0)
S537	ST-24 - HEA120	S 235 JR (EN 10025-2)	1.881	K348	K501	wall bracing (0)
S538	ST-24 - HEA120	S 235 JR (EN 10025-2)	1.881	K350	K502	wall bracing (0)
S539	ST-24 - HEA120	S 235 JR (EN 10025-2)	1.881	K346	K473	wall bracing (0)
S540	ST-24 - HEA120	S 235 JR (EN 10025-2)	1.881	K344	K474	wall bracing (0)
S541	ST-24 - HEA120	S 235 JR (EN 10025-2)	1.881	K340	K479	wall bracing (0)
S542	ST-24 - HEA120	S 235 JR (EN 10025-2)	1.881	K342	K480	wall bracing (0)
S543	ST-24 - HEA120	S 235 JR (EN 10025-2)	1.881	K338	K451	wall bracing (0)
S544	ST-24 - HEA120	S 235 JR (EN 10025-2)	1.881	K336	K452	wall bracing (0)
S545	ST-24 - HEA120	S 235 JR (EN 10025-2)	1.881	K332	K457	wall bracing (0)
S546	ST-24 - HEA120	S 235 JR (EN 10025-2)	1.881	K334	K458	wall bracing (0)
S547	ST-24 - HEA120	S 235 JR (EN 10025-2)	1.881	K330	K407	wall bracing (0)
S548	ST-24 - HEA120	S 235 JR (EN 10025-2)	1.881	K328	K408	wall bracing (0)
S549	ST-24 - HEA120	S 235 JR (EN 10025-2)	1.881	K324	K413	wall bracing (0)
S550	ST-24 - HEA120	S 235 JR (EN 10025-2)	1.881	K326	K414	wall bracing (0)
S551	ST-24 - HEA120	S 235 JR (EN 10025-2)	1.881	K311	K415	wall bracing (0)
S552	ST-24 - HEA120	S 235 JR (EN 10025-2)	1.881	K317	K416	wall bracing (0)
S553	ST-24 - HEA120	S 235 JR (EN 10025-2)	1.881	K313	K435	wall bracing (0)
S554	ST-24 - HEA120	S 235 JR (EN 10025-2)	1.881	K315	K436	wall bracing (0)

2.3.3.4. Staven



2.3.3.5. Hinges

Name	Member	ux	uy	uz	fix	fiy	fiz
	Position	Fun - ux	Fun - uy	Fun - uz	Fun - fix	Fun - fiy	Fun - fiz
		Stiff - ux	Stiff - uy	Stiff - uz	Stiff - fix	Stiff - fiy	Stiff - fiz
		[MN/m]	[MN/m]	[MN/m]	[MNm/rad]	[MNm/rad]	[MNm/rad]
H1	S3 Begin	Rigid	Free	Rigid	Rigid	Free	Rigid
H2	S4 Begin	Rigid	Free	Rigid	Rigid	Free	Rigid
H3	S7 Begin	Rigid	Free	Rigid	Rigid	Free	Rigid
H4	S8 Begin	Rigid	Free	Rigid	Rigid	Free	Rigid
H5	S11 Begin	Rigid	Free	Rigid	Rigid	Free	Rigid
H6	S12 Begin	Rigid	Free	Rigid	Rigid	Free	Rigid
H7	S15 Begin	Rigid	Free	Rigid	Rigid	Free	Rigid
H8	S16 Begin	Rigid	Free	Rigid	Rigid	Free	Rigid

Name	Member Position	ux		uy		uz		fix		fiy		fiz	
		Fun - ux	Fun - uy	Fun - uz	Fun - fix	Fun - fiy	Fun - fiz	Stiff - ux	Stiff - uy	Stiff - uz	Stiff - fix	Stiff - fiy	Stiff - fiz
		[MN/m]	[MN/m]	[MN/m]	[MNm/rad]	[MNm/rad]	[MNm/rad]	[MN/m]	[MN/m]	[MN/m]	[MNm/rad]	[MNm/rad]	[MNm/rad]
H9	S19 Begin	Rigid	Free	Rigid	Rigid	Free	Rigid						
H10	S20 Begin	Rigid	Free	Rigid	Rigid	Free	Rigid						
H11	S23 Begin	Rigid	Free	Rigid	Rigid	Free	Rigid						
H12	S24 Begin	Rigid	Free	Rigid	Rigid	Free	Rigid						
H22	S21 Begin	Rigid	Rigid	Rigid	Rigid	Free	Rigid						
H23	S22 Begin	Rigid	Rigid	Rigid	Rigid	Free	Rigid						
H24	S120 Begin	Rigid	Rigid	Rigid	Rigid	Free	Rigid						
H25	S86 Begin	Rigid	Rigid	Rigid	Rigid	Free	Rigid						
H26	S114 Begin	Rigid	Rigid	Rigid	Rigid	Free	Rigid						
H27	S115 Begin	Rigid	Rigid	Rigid	Rigid	Free	Rigid						
H28	S116 Begin	Rigid	Rigid	Rigid	Rigid	Free	Rigid						
H29	S117 Begin	Rigid	Rigid	Rigid	Rigid	Free	Rigid						
H30	S118 Begin	Rigid	Rigid	Rigid	Rigid	Free	Rigid						
H31	S119 Begin	Rigid	Rigid	Rigid	Rigid	Free	Rigid						
H32	S121 Begin	Rigid	Rigid	Rigid	Rigid	Free	Rigid						
H33	S122 Begin	Rigid	Rigid	Rigid	Rigid	Free	Rigid						
H34	S123 Begin	Rigid	Rigid	Rigid	Rigid	Free	Rigid						
H35	S124 Begin	Rigid	Rigid	Rigid	Rigid	Free	Rigid						
H36	S125 Begin	Rigid	Rigid	Rigid	Rigid	Free	Rigid						
H37	S126 Begin	Rigid	Rigid	Rigid	Rigid	Free	Rigid						
H38	S127 Begin	Rigid	Rigid	Rigid	Rigid	Free	Rigid						
H39	S128	Rigid	Rigid	Rigid	Rigid	Free	Rigid						

Name	Member Position	ux	uy	uz	fix	fiy	fiz
		Fun - ux	Fun - uy	Fun - uz	Fun - fix	Fun - fiy	Fun - fiz
		Stiff - ux [MN/m]	Stiff - uy [MN/m]	Stiff - uz [MN/m]	Stiff - fix [MNm/rad]	Stiff - fiy [MNm/rad]	Stiff - fiz [MNm/rad]
	Begin						
H40	S129 Begin	Rigid	Rigid	Rigid	Rigid	Free	Free
H41	S130 Begin	Rigid	Rigid	Rigid	Rigid	Free	Free
H42	S131 Begin	Rigid	Rigid	Rigid	Rigid	Free	Free
H43	S132 Begin	Rigid	Rigid	Rigid	Rigid	Free	Free
H44	S133 Begin	Rigid	Rigid	Rigid	Rigid	Free	Free
H45	S134 Begin	Rigid	Rigid	Rigid	Rigid	Free	Free
H46	S135 Begin	Rigid	Rigid	Rigid	Rigid	Free	Free
H47	S136 Begin	Rigid	Rigid	Rigid	Rigid	Free	Free
H48	S250 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H49	S251 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H50	S223 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H51	S166 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H52	S167 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H53	S168 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H54	S169 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H55	S170 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H56	S171 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H57	S172 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H58	S174 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H59	S175 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H60	S176 Both	Rigid	Rigid	Rigid	Rigid	Free	Free

Name	Member Position	ux	uy	uz	fix	fiy	fiz
		Fun - ux	Fun - uy	Fun - uz	Fun - fix	Fun - fiy	Fun - fiz
		Stiff - ux [MN/m]	Stiff - uy [MN/m]	Stiff - uz [MN/m]	Stiff - fix [MNm/rad]	Stiff - fiy [MNm/rad]	Stiff - fiz [MNm/rad]
H61	S177 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H62	S179 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H63	S180 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H64	S181 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H65	S182 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H66	S183 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H67	S184 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H68	S185 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H69	S186 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H70	S187 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H71	S188 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H72	S189 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H73	S190 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H74	S191 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H75	S192 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H76	S193 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H77	S194 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H78	S195 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H79	S196 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H80	S197 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H81	S198 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H82	S199 Both	Rigid	Rigid	Rigid	Rigid	Free	Free

Name	Member Position	ux		uy		uz		fix		fiy		fiz	
		Fun - ux	Fun - uy	Fun - uz	Fun - fix	Fun - fiy	Fun - fiz	Stiff - ux	Stiff - uy	Stiff - uz	Stiff - fix	Stiff - fiy	Stiff - fiz
		[MN/m]	[MN/m]	[MN/m]	[MNm/rad]	[MNm/rad]	[MNm/rad]	[MN/m]	[MN/m]	[MN/m]	[MNm/rad]	[MNm/rad]	[MNm/rad]
H83	S200 Both	Rigid	Rigid	Rigid	Rigid	Rigid	Rigid	Free	Free				
H84	S203 Both	Rigid	Rigid	Rigid	Rigid	Rigid	Rigid	Free	Free				
H85	S204 Both	Rigid	Rigid	Rigid	Rigid	Rigid	Rigid	Free	Free				
H86	S205 Both	Rigid	Rigid	Rigid	Rigid	Rigid	Rigid	Free	Free				
H87	S206 Both	Rigid	Rigid	Rigid	Rigid	Rigid	Rigid	Free	Free				
H88	S207 Both	Rigid	Rigid	Rigid	Rigid	Rigid	Rigid	Free	Free				
H89	S208 Both	Rigid	Rigid	Rigid	Rigid	Rigid	Rigid	Free	Free				
H90	S209 Both	Rigid	Rigid	Rigid	Rigid	Rigid	Rigid	Free	Free				
H91	S210 Both	Rigid	Rigid	Rigid	Rigid	Rigid	Rigid	Free	Free				
H92	S211 Both	Rigid	Rigid	Rigid	Rigid	Rigid	Rigid	Free	Free				
H93	S212 Both	Rigid	Rigid	Rigid	Rigid	Rigid	Rigid	Free	Free				
H94	S213 Both	Rigid	Rigid	Rigid	Rigid	Rigid	Rigid	Free	Free				
H95	S216 Both	Rigid	Rigid	Rigid	Rigid	Rigid	Rigid	Free	Free				
H96	S217 Both	Rigid	Rigid	Rigid	Rigid	Rigid	Rigid	Free	Free				
H97	S218 Both	Rigid	Rigid	Rigid	Rigid	Rigid	Rigid	Free	Free				
H98	S219 Both	Rigid	Rigid	Rigid	Rigid	Rigid	Rigid	Free	Free				
H99	S220 Both	Rigid	Rigid	Rigid	Rigid	Rigid	Rigid	Free	Free				
H100	S221 Both	Rigid	Rigid	Rigid	Rigid	Rigid	Rigid	Free	Free				
H101	S222 Both	Rigid	Rigid	Rigid	Rigid	Rigid	Rigid	Free	Free				
H102	S224 Both	Rigid	Rigid	Rigid	Rigid	Rigid	Rigid	Free	Free				
H103	S225 Both	Rigid	Rigid	Rigid	Rigid	Rigid	Rigid	Free	Free				
H104	S226	Rigid	Rigid	Rigid	Rigid	Rigid	Rigid	Free	Free				

Name	Member Position	ux	uy	uz	fix	fiy	fiz
		Fun - ux	Fun - uy	Fun - uz	Fun - fix	Fun - fiy	Fun - fiz
		Stiff - ux [MN/m]	Stiff - uy [MN/m]	Stiff - uz [MN/m]	Stiff - fix [MNm/rad]	Stiff - fiy [MNm/rad]	Stiff - fiz [MNm/rad]
	Both						
H105	S229 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H106	S230 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H107	S231 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H108	S232 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H109	S233 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H110	S234 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H111	S235 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H112	S236 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H113	S237 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H114	S238 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H115	S239 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H116	S252 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H117	S253 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H118	S254 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H119	S255 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H120	S256 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H121	S257 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H122	S258 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H123	S259 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H124	S260 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H125	S261 Both	Rigid	Rigid	Rigid	Rigid	Free	Free

Name	Member Position	ux	uy	uz	fix	fiy	fiz
		Fun - ux	Fun - uy	Fun - uz	Fun - fix	Fun - fiy	Fun - fiz
		Stiff - ux [MN/m]	Stiff - uy [MN/m]	Stiff - uz [MN/m]	Stiff - fix [MNm/rad]	Stiff - fiy [MNm/rad]	Stiff - fiz [MNm/rad]
H126	S262 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H127	S79 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H129	S81 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H131	S71 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H132	S72 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H133	S76 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H135	S78 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H136	S43 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H137	S45 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H138	S31 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H139	S32 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H140	S35 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H141	S37 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H142	S39 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H143	S41 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H144	S83 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H145	S67 Begin	Free	Rigid	Rigid	Rigid	Free	Free
H146	S68 End	Free	Rigid	Rigid	Rigid	Free	Free
H147	S27 Begin	Rigid	Rigid	Rigid	Rigid	Free	Free
H148	S28 Begin	Rigid	Rigid	Rigid	Rigid	Free	Free
H149	S29 Begin	Rigid	Rigid	Rigid	Rigid	Free	Free
H150	S30 Begin	Rigid	Rigid	Rigid	Rigid	Free	Free

Name	Member Position	ux	uy	uz	fix	fiy	fiz
		Fun - ux	Fun - uy	Fun - uz	Fun - fix	Fun - fiy	Fun - fiz
		Stiff - ux [MN/m]	Stiff - uy [MN/m]	Stiff - uz [MN/m]	Stiff - fix [MNm/rad]	Stiff - fiy [MNm/rad]	Stiff - fiz [MNm/rad]
H157	S339 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H158	S352 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H159	S1 Begin	Rigid	Rigid	Rigid	Rigid	Free	Rigid
H160	S2 Begin	Rigid	Rigid	Rigid	Rigid	Free	Rigid
H161	S5 Begin	Rigid	Rigid	Rigid	Rigid	Free	Rigid
H162	S6 Begin	Rigid	Rigid	Rigid	Rigid	Free	Rigid
H163	S9 Begin	Rigid	Rigid	Rigid	Rigid	Free	Rigid
H164	S10 Begin	Rigid	Rigid	Rigid	Rigid	Free	Rigid
H165	S13 Begin	Rigid	Rigid	Rigid	Rigid	Free	Rigid
H166	S14 Begin	Rigid	Rigid	Rigid	Rigid	Free	Rigid
H167	S17 Begin	Rigid	Rigid	Rigid	Rigid	Free	Rigid
H168	S18 Begin	Rigid	Rigid	Rigid	Rigid	Free	Rigid
H151	S263 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H169	S264 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H170	S265 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H171	S266 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H172	S267 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H173	S268 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H174	S269 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H175	S270 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H176	S271 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H177	S272	Rigid	Rigid	Rigid	Rigid	Free	Free

Name	Member Position	ux	uy	uz	fix	fiy	fiz
		Fun - ux	Fun - uy	Fun - uz	Fun - fix	Fun - fiy	Fun - fiz
		Stiff - ux [MN/m]	Stiff - uy [MN/m]	Stiff - uz [MN/m]	Stiff - fix [MNm/rad]	Stiff - fiy [MNm/rad]	Stiff - fiz [MNm/rad]
	End						
H178	S273 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H179	S274 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H180	S275 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H181	S276 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H182	S277 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H183	S278 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H184	S279 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H185	S280 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H186	S281 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H187	S282 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H188	S283 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H189	S284 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H190	S285 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H191	S286 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H192	S287 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H193	S288 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H194	S289 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H195	S290 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H196	S291 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H197	S292 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H198	S293 End	Rigid	Rigid	Rigid	Rigid	Free	Free

Name	Member	ux	uy	uz	fix	fiy	fiz
	Position	Fun - ux	Fun - uy	Fun - uz	Fun - fix	Fun - fiy	Fun - fiz
		Stiff - ux [MN/m]	Stiff - uy [MN/m]	Stiff - uz [MN/m]	Stiff - fix [MNm/rad]	Stiff - fiy [MNm/rad]	Stiff - fiz [MNm/rad]
H199	S294 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H200	S295 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H201	S296 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H202	S297 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H203	S298 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H204	S299 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H205	S300 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H206	S301 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H207	S302 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H208	S303 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H209	S304 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H210	S305 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H211	S306 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H212	S307 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H213	S308 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H214	S309 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H215	S310 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H216	S311 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H217	S312 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H218	S313 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H219	S314 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H220	S315 End	Rigid	Rigid	Rigid	Rigid	Free	Free

Name	Member Position	ux		uy		uz		fix		fiy		fiz	
		Fun - ux	Stiff - ux	Fun - uy	Stiff - uy	Fun - uz	Stiff - uz	Fun - fix	Stiff - fix	Fun - fiy	Stiff - fiy	Fun - fiz	Stiff - fiz
		[MN/m]		[MN/m]		[MN/m]		[MNm/rad]		[MNm/rad]		[MNm/rad]	
H221	S316 End	Rigid		Rigid		Rigid		Rigid		Free		Free	
H222	S317 End	Rigid		Rigid		Rigid		Rigid		Free		Free	
H223	S318 End	Rigid		Rigid		Rigid		Rigid		Free		Free	
H224	S319 End	Rigid		Rigid		Rigid		Rigid		Free		Free	
H225	S320 End	Rigid		Rigid		Rigid		Rigid		Free		Free	
H226	S321 End	Rigid		Rigid		Rigid		Rigid		Free		Free	
H227	S322 End	Rigid		Rigid		Rigid		Rigid		Free		Free	
H228	S323 End	Rigid		Rigid		Rigid		Rigid		Free		Free	
H229	S324 End	Rigid		Rigid		Rigid		Rigid		Free		Free	
H230	S325 End	Rigid		Rigid		Rigid		Rigid		Free		Free	
H231	S326 End	Rigid		Rigid		Rigid		Rigid		Free		Free	
H232	S327 End	Rigid		Rigid		Rigid		Rigid		Free		Free	
H233	S328 End	Rigid		Rigid		Rigid		Rigid		Free		Free	
H234	S329 End	Rigid		Rigid		Rigid		Rigid		Free		Free	
H235	S330 End	Rigid		Rigid		Rigid		Rigid		Free		Free	
H236	S331 End	Rigid		Rigid		Rigid		Rigid		Free		Free	
H237	S332 End	Rigid		Rigid		Rigid		Rigid		Free		Free	
H238	S333 End	Rigid		Rigid		Rigid		Rigid		Free		Free	
H239	S334 End	Rigid		Rigid		Rigid		Rigid		Free		Free	
H240	S353 End	Rigid		Rigid		Rigid		Rigid		Free		Free	
H241	S354 End	Rigid		Rigid		Rigid		Rigid		Free		Free	
H242	S355 End	Rigid		Rigid		Rigid		Rigid		Free		Free	

Name	Member Position	ux	uy	uz	fix	fiy	fiz
		Fun - ux	Fun - uy	Fun - uz	Fun - fix	Fun - fiy	Fun - fiz
		Stiff - ux [MN/m]	Stiff - uy [MN/m]	Stiff - uz [MN/m]	Stiff - fix [MNm/rad]	Stiff - fiy [MNm/rad]	Stiff - fiz [MNm/rad]
	End						
H243	S356 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H244	S357 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H245	S358 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H246	S359 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H247	S360 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H248	S361 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H249	S362 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H250	S363 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H251	S364 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H252	S365 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H253	S366 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H254	S367 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H255	S368 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H256	S369 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H257	S370 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H258	S371 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H259	S372 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H260	S373 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H261	S374 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H262	S375 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H263	S376 End	Rigid	Rigid	Rigid	Rigid	Free	Free

Name	Member Position	ux	uy	uz	fix	fiy	fiz
		Fun - ux	Fun - uy	Fun - uz	Fun - fix	Fun - fiy	Fun - fiz
		Stiff - ux [MN/m]	Stiff - uy [MN/m]	Stiff - uz [MN/m]	Stiff - fix [MNm/rad]	Stiff - fiy [MNm/rad]	Stiff - fiz [MNm/rad]
H264	S377 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H265	S378 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H266	S379 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H267	S380 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H268	S381 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H269	S382 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H270	S383 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H271	S384 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H272	S385 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H273	S386 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H274	S387 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H275	S388 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H276	S389 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H277	S390 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H278	S391 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H279	S392 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H280	S393 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H281	S394 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H282	S395 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H283	S396 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H284	S397 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H285	S398 End	Rigid	Rigid	Rigid	Rigid	Free	Free

Name	Member Position	ux	uy	uz	fix	fiy	fiz
		Fun - ux	Fun - uy	Fun - uz	Fun - fix	Fun - fiy	Fun - fiz
		Stiff - ux [MN/m]	Stiff - uy [MN/m]	Stiff - uz [MN/m]	Stiff - fix [MNm/rad]	Stiff - fiy [MNm/rad]	Stiff - fiz [MNm/rad]
H286	S399 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H287	S400 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H288	S401 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H289	S402 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H290	S403 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H291	S404 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H292	S405 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H293	S406 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H294	S407 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H295	S408 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H296	S409 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H297	S410 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H298	S411 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H299	S412 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H302	S418 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H306	S419 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H307	S420 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H309	S421 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H312	S424 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H316	S428 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H317	S429 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H319	S431	Rigid	Rigid	Rigid	Rigid	Free	Free

Name	Member Position	ux	uy	uz	fix	fiy	fiz
		Fun - ux	Fun - uy	Fun - uz	Fun - fix	Fun - fiy	Fun - fiz
		Stiff - ux [MN/m]	Stiff - uy [MN/m]	Stiff - uz [MN/m]	Stiff - fix [MNm/rad]	Stiff - fiy [MNm/rad]	Stiff - fiz [MNm/rad]
	Both						
H323	S435 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H325	S437 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H327	S439 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H329	S441 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H333	S445 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H335	S447 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H337	S449 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H339	S451 Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H340	S452 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H341	S453 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H342	S454 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H343	S455 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H344	S456 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H345	S457 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H346	S458 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H347	S459 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H348	S460 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H349	S461 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H350	S462 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H351	S463 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H352	S464 End	Rigid	Rigid	Rigid	Rigid	Free	Free

Name	Member Position	ux	uy	uz	fix	fiy	fiz
		Fun - ux	Fun - uy	Fun - uz	Fun - fix	Fun - fiy	Fun - fiz
		Stiff - ux [MN/m]	Stiff - uy [MN/m]	Stiff - uz [MN/m]	Stiff - fix [MNm/rad]	Stiff - fiy [MNm/rad]	Stiff - fiz [MNm/rad]
H353	S465 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H354	S466 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H355	S467 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H356	S468 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H357	S469 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H358	S470 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H359	S471 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H360	S472 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H361	S473 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H362	S474 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H363	S475 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H364	S476 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H365	S477 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H366	S478 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H367	S479 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H368	S480 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H369	S481 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H370	S482 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H371	S483 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H372	S484 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H373	S485 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H374	S486 End	Rigid	Rigid	Rigid	Rigid	Free	Free

Name	Member Position	ux		uy		uz		fix		fiy		fiz	
		Fun - ux	Fun - uy	Fun - uz	Fun - fix	Fun - fiy	Fun - fiz	Stiff - ux	Stiff - uy	Stiff - uz	Stiff - fix	Stiff - fiy	Stiff - fiz
		[MN/m]	[MN/m]	[MN/m]	[MNm/rad]	[MNm/rad]	[MNm/rad]	[MN/m]	[MN/m]	[MN/m]	[MNm/rad]	[MNm/rad]	[MNm/rad]
H375	S487 End	Rigid	Rigid	Rigid	Rigid	Rigid	Rigid	Free	Free				
H376	S488 End	Rigid	Rigid	Rigid	Rigid	Rigid	Rigid	Free	Free				
H377	S489 End	Rigid	Rigid	Rigid	Rigid	Rigid	Rigid	Free	Free				
H378	S490 End	Rigid	Rigid	Rigid	Rigid	Rigid	Rigid	Free	Free				
H379	S491 End	Rigid	Rigid	Rigid	Rigid	Rigid	Rigid	Free	Free				
H380	S492 End	Rigid	Rigid	Rigid	Rigid	Rigid	Rigid	Free	Free				
H381	S493 End	Rigid	Rigid	Rigid	Rigid	Rigid	Rigid	Free	Free				
H382	S494 End	Rigid	Rigid	Rigid	Rigid	Rigid	Rigid	Free	Free				
H383	S495 End	Rigid	Rigid	Rigid	Rigid	Rigid	Rigid	Free	Free				
H384	S496 End	Rigid	Rigid	Rigid	Rigid	Rigid	Rigid	Free	Free				
H385	S497 End	Rigid	Rigid	Rigid	Rigid	Rigid	Rigid	Free	Free				
H386	S498 End	Rigid	Rigid	Rigid	Rigid	Rigid	Rigid	Free	Free				
H387	S499 End	Rigid	Rigid	Rigid	Rigid	Rigid	Rigid	Free	Free				
H388	S500 End	Rigid	Rigid	Rigid	Rigid	Rigid	Rigid	Free	Free				
H389	S501 End	Rigid	Rigid	Rigid	Rigid	Rigid	Rigid	Free	Free				
H390	S502 End	Rigid	Rigid	Rigid	Rigid	Rigid	Rigid	Free	Free				
H391	S503 End	Rigid	Rigid	Rigid	Rigid	Rigid	Rigid	Free	Free				
H392	S504 End	Rigid	Rigid	Rigid	Rigid	Rigid	Rigid	Free	Free				
H393	S505 End	Rigid	Rigid	Rigid	Rigid	Rigid	Rigid	Free	Free				
H394	S506 End	Rigid	Rigid	Rigid	Rigid	Rigid	Rigid	Free	Free				
H395	S507 End	Rigid	Rigid	Rigid	Rigid	Rigid	Rigid	Free	Free				
H396	S508	Rigid	Rigid	Rigid	Rigid	Rigid	Rigid	Free	Free				

Name	Member	ux	uy	uz	fix	fiy	fiz
	Position	Fun - ux	Fun - uy	Fun - uz	Fun - fix	Fun - fiy	Fun - fiz
		Stiff - ux [MN/m]	Stiff - uy [MN/m]	Stiff - uz [MN/m]	Stiff - fix [MNm/rad]	Stiff - fiy [MNm/rad]	Stiff - fiz [MNm/rad]
	End						
H397	S509 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H398	S510 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H399	S511 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H400	S512 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H401	S513 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H402	S514 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H403	S515 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H404	S516 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H405	S517 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H406	S518 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H407	S519 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H408	S520 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H409	S521 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H410	S522 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H411	S523 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H412	S524 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H413	S525 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H414	S526 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H415	S527 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H416	S528 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H417	S529 End	Rigid	Rigid	Rigid	Rigid	Free	Free

Name	Member	ux	uy	uz	fix	fiy	fiz
	Position	Fun - ux	Fun - uy	Fun - uz	Fun - fix	Fun - fiy	Fun - fiz
		Stiff - ux [MN/m]	Stiff - uy [MN/m]	Stiff - uz [MN/m]	Stiff - fix [MNm/rad]	Stiff - fiy [MNm/rad]	Stiff - fiz [MNm/rad]
H418	S530 End	Rigid	Rigid	Rigid	Rigid	Free	Free
H419	S531 End	Rigid	Rigid	Rigid	Rigid	Free	Free

2.3.4. 2D

2.3.4.1. 2D members

Name	Layer	Type	Element type	Material	Thickness type	Th. [mm]
E1	Foundation	plate (90)	Standard	C35/45	constant	1000
E2	Foundation	wall (80)	Standard	C35/45	constant	1500
E3	Foundation	wall (80)	Standard	C35/45	constant	1500
E4	Foundation	wall (80)	Standard	C35/45	constant	1500
E5	Foundation	wall (80)	Standard	C35/45	constant	1500
E6	Foundation	plate (90)	Standard	C35/45	constant	1000
E7	Foundation	wall (80)	Standard	C35/45	constant	1500
E8	Foundation	wall (80)	Standard	C35/45	constant	1500
E9	Foundation	wall (80)	Standard	C35/45	constant	1500
E10	Foundation	wall (80)	Standard	C35/45	constant	1500
E11	Foundation	wall (80)	Standard	C35/45	constant	1500
E12	Foundation	wall (80)	Standard	C35/45	constant	1500
E13	Foundation	wall (80)	Standard	C35/45	constant	1500
E14	Foundation	wall (80)	Standard	C35/45	constant	1500
E15	Foundation	plate (90)	Standard	C35/45	constant	1000
E16	Foundation	plate (90)	Standard	C35/45	constant	1000
E17	Dummy	wall (80)	Standard	DUMMY STAAL	constant	50
E18	Dummy	wall (80)	Standard	DUMMY STAAL	constant	50
E19	Dummy	wall (80)	Standard	DUMMY STAAL	constant	50
E20	Dummy	wall (80)	Standard	DUMMY STAAL	constant	50
E21	Dummy	wall (80)	Standard	DUMMY STAAL	constant	50
E22	Dummy	wall (80)	Standard	DUMMY STAAL	constant	50
E23	Dummy	wall (80)	Standard	DUMMY STAAL	constant	50
E24	Dummy	wall (80)	Standard	DUMMY STAAL	constant	50
E25	Dummy	wall (80)	Standard	DUMMY STAAL	constant	50
E26	Dummy	wall (80)	Standard	DUMMY STAAL	constant	50
E27	Dummy	wall (80)	Standard	DUMMY STAAL	constant	50
E28	Dummy	wall (80)	Standard	DUMMY STAAL	constant	50
E29	Dummy	plate (90)	Standard	DUMMY STAAL	constant	50
E30	Dummy	plate (90)	Standard	DUMMY STAAL	constant	50
E31	Dummy	plate (90)	Standard	DUMMY STAAL	constant	50
E32	Dummy	plate (90)	Standard	DUMMY STAAL	constant	50
E33	Dummy	plate (90)	Standard	DUMMY STAAL	constant	50
E34	Dummy	plate (90)	Standard	DUMMY STAAL	constant	50
E35	Dummy	plate (90)	Standard	DUMMY STAAL	constant	50
E36	Dummy	plate (90)	Standard	DUMMY STAAL	constant	50
E37	Dummy	plate (90)	Standard	DUMMY STAAL	constant	50
E38	Dummy	plate (90)	Standard	DUMMY STAAL	constant	50
E39	Dummy	plate (90)	Standard	DUMMY STAAL	constant	50
E40	Dummy	plate (90)	Standard	DUMMY STAAL	constant	50
E41	Foundation	plate (90)	Standard	C35/45	constant	1000
E42	Foundation	plate (90)	Standard	C35/45	constant	1000
E43	Foundation	plate (90)	Standard	C35/45	constant	1000
E44	Foundation	plate (90)	Standard	C35/45	constant	1000
E45	Foundation	plate (90)	Standard	C35/45	constant	1000
E46	Foundation	plate (90)	Standard	C35/45	constant	1000
E47	Foundation	plate (90)	Standard	C35/45	constant	1000
E48	Foundation	plate (90)	Standard	C35/45	constant	1000
E49	Foundation	plate (90)	Standard	C35/45	constant	1000
E50	Foundation	plate (90)	Standard	C35/45	constant	1000
E51	Dummy	plate (90)	Standard	DUMMY STAAL	constant	50
E52	Dummy	plate (90)	Standard	DUMMY STAAL	constant	50
E53	Dummy	plate (90)	Standard	DUMMY STAAL	constant	50

Name	Layer	Type	Element type	Material	Thickness type	Th. [mm]
E54	Dummy	plate (90)	Standard	DUMMY STAAL	constant	50
E55	Dummy	plate (90)	Standard	DUMMY STAAL	constant	50
E56	Dummy	plate (90)	Standard	DUMMY STAAL	constant	50
E57	Dummy	plate (90)	Standard	DUMMY STAAL	constant	50
E58	Dummy	plate (90)	Standard	DUMMY STAAL	constant	50
E59	Dummy	plate (90)	Standard	DUMMY STAAL	constant	50
E60	Dummy	plate (90)	Standard	DUMMY STAAL	constant	50
E61	Dummy	plate (90)	Standard	DUMMY STAAL	constant	50
E62	Dummy	plate (90)	Standard	DUMMY STAAL	constant	50

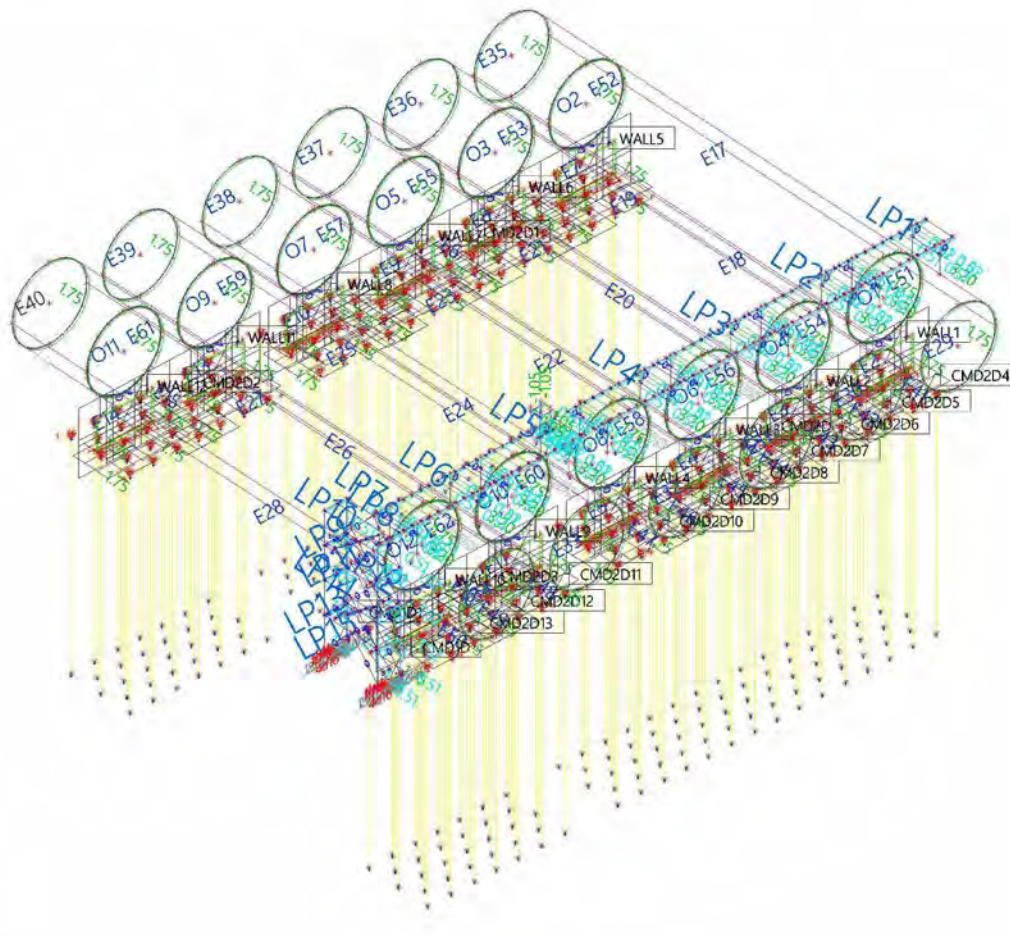
2.3.4.2. Load panels

Name	Panel type	Load transfer direction	Selection of entities
LP1	To panel edges and beams	Y (LCS panel)	All
LP2	To panel edges and beams	Y (LCS panel)	All
LP3	To panel edges and beams	Y (LCS panel)	All
LP4	To panel edges and beams	Y (LCS panel)	All
LP5	To panel edges and beams	Y (LCS panel)	All
LP6	To panel edges and beams	Y (LCS panel)	All
LP7	To panel edges and beams	Y (LCS panel)	All
LP8	To panel edges and beams	Y (LCS panel)	All
LP9	To panel edges and beams	X (LCS panel)	All
LP10	To panel edges and beams	Y (LCS panel)	All
LP11	To panel edges and beams	X (LCS panel)	All
LP12	To panel edges and beams	Y (LCS panel)	All
LP13	To panel edges and beams	X (LCS panel)	All
LP14	To panel edges and beams	Y (LCS panel)	All
LP15	To panel edges and beams	X (LCS panel)	All

Explanations of symbols

Selection of entities	<p>All: selects all edges and beams that support the panel at the same place.</p> <p>Auto selection: in the cases where two or more supporting elements overlap, the selection omits edges that belong to 2D members that lie in the same plane as the panel.</p> <p>User selection: requires a manual selection of supporting edges and beams (by means of using an Action button).</p> <p>By type: only beam members of the types selected in the list are considered as supporting elements.</p>
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2.3.4.3. Platen



2.3.4.4. 2D member openings

Name	2D member
O1	E51
O2	E52
O3	E53
O4	E54
O5	E55
O6	E56
O7	E57
O8	E58
O9	E59
O10	E60
O11	E61
O12	E62

2.3.4.5. 2D member internal edges

Name	Member 1	Member 2	Intersection	Length [m]	Shape	Node	Edge
Rand13	E1			0.848	Arc	K683 K685 K684	Circle arc
Rand14	E1			0.848	Arc	K684 K687 K683	Circle arc
Rand15	E1			0.848	Arc	K688 K690 K689	Circle arc

Name	Member 1	Member 2	Intersection	Length [m]	Shape	Node	Edge
Rand16	E1			0.848	Arc	K689 K692 K688	Circle arc
Rand17	E1			0.848	Arc	K693 K695 K694	Circle arc
Rand18	E1			0.848	Arc	K694 K697 K693	Circle arc
Rand19	E1			0.848	Arc	K698 K700 K699	Circle arc
Rand20	E1			0.848	Arc	K699 K702 K698	Circle arc
Rand21	E1			0.848	Arc	K703 K705 K704	Circle arc
Rand22	E1			0.848	Arc	K704 K707 K703	Circle arc
Rand23	E1			0.848	Arc	K708 K710 K709	Circle arc
Rand24	E1			0.848	Arc	K709 K712 K708	Circle arc
Rand25	E1			0.848	Arc	K713 K715 K714	Circle arc
Rand26	E1			0.848	Arc	K714 K717 K713	Circle arc
Rand27	E1			0.848	Arc	K718 K720 K719	Circle arc
Rand28	E1			0.848	Arc	K719 K722 K718	Circle arc
Rand29	E1			0.848	Arc	K723 K725 K724	Circle arc
Rand30	E1			0.848	Arc	K724 K727 K723	Circle arc
Rand31	E1			0.848	Arc	K728 K730 K729	Circle arc
Rand32	E1			0.848	Arc	K729 K732 K728	Circle arc
Rand33	E1			0.848	Arc	K733 K735 K734	Circle arc
Rand34	E1			0.848	Arc	K734 K737 K733	Circle arc
Rand35	E1			0.848	Arc	K738 K740 K739	Circle arc
Rand36	E1			0.848	Arc	K739 K742 K738	Circle arc
Rand37	E1			0.848	Arc	K743 K745 K744	Circle arc
Rand38	E1			0.848	Arc	K744	Circle arc

Name	Member 1	Member 2	Intersection	Length [m]	Shape	Node	Edge
						K747 K743	
Rand39	E1			0.848	Arc	K748 K750 K749	Circle arc
Rand40	E1			0.848	Arc	K749 K752 K748	Circle arc
Rand41	E1			0.848	Arc	K753 K755 K754	Circle arc
Rand42	E1			0.848	Arc	K754 K757 K753	Circle arc
Rand43	E1			0.848	Arc	K758 K760 K759	Circle arc
Rand44	E1			0.848	Arc	K759 K762 K758	Circle arc
Rand45	E1			0.848	Arc	K763 K765 K764	Circle arc
Rand46	E1			0.848	Arc	K764 K767 K763	Circle arc
Rand47	E1			0.848	Arc	K768 K770 K769	Circle arc
Rand48	E1			0.848	Arc	K769 K772 K768	Circle arc
Rand49	E1			0.848	Arc	K773 K775 K774	Circle arc
Rand50	E1			0.848	Arc	K774 K777 K773	Circle arc
Rand51	E1			0.848	Arc	K778 K780 K779	Circle arc
Rand52	E1			0.848	Arc	K779 K782 K778	Circle arc
Rand53	E1			0.848	Arc	K783 K785 K784	Circle arc
Rand54	E1			0.848	Arc	K784 K787 K783	Circle arc
Rand55	E1			0.848	Arc	K788 K790 K789	Circle arc
Rand56	E1			0.848	Arc	K789 K792 K788	Circle arc
Rand57	E1			0.848	Arc	K793 K795 K794	Circle arc
Rand58	E1			0.848	Arc	K794 K797 K793	Circle arc
Rand59	E1			0.848	Arc	K798 K800 K799	Circle arc
Rand60	E1			0.848	Arc	K799 K802	Circle arc

Name	Member 1	Member 2	Intersection	Length [m]	Shape	Node	Edge
Rand61	E16			0.848	Arc	K798 K803 K805 K804	Circle arc
Rand62	E16			0.848	Arc	K804 K807 K803	Circle arc
Rand63	E16			0.848	Arc	K808 K810 K809	Circle arc
Rand64	E16			0.848	Arc	K809 K812 K808	Circle arc
Rand65	E16			0.848	Arc	K813 K815 K814	Circle arc
Rand66	E16			0.848	Arc	K814 K817 K813	Circle arc
Rand67	E16			0.848	Arc	K818 K820 K819	Circle arc
Rand68	E16			0.848	Arc	K819 K822 K818	Circle arc
Rand69	E16			0.848	Arc	K823 K825 K824	Circle arc
Rand70	E16			0.848	Arc	K824 K827 K823	Circle arc
Rand71	E16			0.848	Arc	K828 K830 K829	Circle arc
Rand72	E16			0.848	Arc	K829 K832 K828	Circle arc
Rand73	E16			0.848	Arc	K833 K835 K834	Circle arc
Rand74	E16			0.848	Arc	K834 K837 K833	Circle arc
Rand75	E16			0.848	Arc	K838 K840 K839	Circle arc
Rand76	E16			0.848	Arc	K839 K842 K838	Circle arc
Rand77	E16			0.848	Arc	K843 K845 K844	Circle arc
Rand78	E16			0.848	Arc	K844 K847 K843	Circle arc
Rand79	E16			0.848	Arc	K848 K850 K849	Circle arc
Rand80	E16			0.848	Arc	K849 K852 K848	Circle arc
Rand81	E16			0.848	Arc	K853 K855 K854	Circle arc
Rand82	E16			0.848	Arc	K854 K857 K853	Circle arc

Name	Member 1	Member 2	Intersection	Length [m]	Shape	Node	Edge
Rand83	E16			0.848	Arc	K858 K860 K859	Circle arc
Rand84	E16			0.848	Arc	K859 K862 K858	Circle arc
Rand85	E15			0.848	Arc	K863 K865 K864	Circle arc
Rand86	E15			0.848	Arc	K864 K867 K863	Circle arc
Rand87	E15			0.848	Arc	K868 K870 K869	Circle arc
Rand88	E15			0.848	Arc	K869 K872 K868	Circle arc
Rand89	E15			0.848	Arc	K873 K875 K874	Circle arc
Rand90	E15			0.848	Arc	K874 K877 K873	Circle arc
Rand91	E15			0.848	Arc	K878 K880 K879	Circle arc
Rand92	E15			0.848	Arc	K879 K882 K878	Circle arc
Rand93	E15			0.848	Arc	K883 K885 K884	Circle arc
Rand94	E15			0.848	Arc	K884 K887 K883	Circle arc
Rand95	E15			0.848	Arc	K888 K890 K889	Circle arc
Rand96	E15			0.848	Arc	K889 K892 K888	Circle arc
Rand97	E15			0.848	Arc	K893 K895 K894	Circle arc
Rand98	E15			0.848	Arc	K894 K897 K893	Circle arc
Rand99	E15			0.848	Arc	K898 K900 K899	Circle arc
Rand100	E15			0.848	Arc	K899 K902 K898	Circle arc
Rand101	E15			0.848	Arc	K903 K905 K904	Circle arc
Rand102	E15			0.848	Arc	K904 K907 K903	Circle arc
Rand103	E15			0.848	Arc	K908 K910 K909	Circle arc
Rand104	E15			0.848	Arc	K909 K912 K908	Circle arc
Rand105	E15			0.848	Arc	K913	Circle arc

Name	Member 1	Member 2	Intersection	Length [m]	Shape	Node	Edge
						K915 K914	
Rand106	E15			0.848	Arc	K914 K917 K913	Circle arc
Rand107	E15			0.848	Arc	K918 K920 K919	Circle arc
Rand108	E15			0.848	Arc	K919 K922 K918	Circle arc
Rand109	E6			0.848	Arc	K923 K925 K924	Circle arc
Rand110	E6			0.848	Arc	K924 K927 K923	Circle arc
Rand111	E6			0.848	Arc	K928 K930 K929	Circle arc
Rand112	E6			0.848	Arc	K929 K932 K928	Circle arc
Rand113	E6			0.848	Arc	K933 K935 K934	Circle arc
Rand114	E6			0.848	Arc	K934 K937 K933	Circle arc
Rand115	E6			0.848	Arc	K938 K940 K939	Circle arc
Rand116	E6			0.848	Arc	K939 K942 K938	Circle arc
Rand117	E6			0.848	Arc	K943 K945 K944	Circle arc
Rand118	E6			0.848	Arc	K944 K947 K943	Circle arc
Rand119	E6			0.848	Arc	K948 K950 K949	Circle arc
Rand120	E6			0.848	Arc	K949 K952 K948	Circle arc
Rand121	E6			0.848	Arc	K953 K955 K954	Circle arc
Rand122	E6			0.848	Arc	K954 K957 K953	Circle arc
Rand123	E6			0.848	Arc	K958 K960 K959	Circle arc
Rand124	E6			0.848	Arc	K959 K962 K958	Circle arc
Rand125	E6			0.848	Arc	K963 K965 K964	Circle arc
Rand126	E6			0.848	Arc	K964 K967 K963	Circle arc
Rand127	E6			0.848	Arc	K968 K970	Circle arc

Name	Member 1	Member 2	Intersection	Length [m]	Shape	Node	Edge
Rand128	E6			0.848	Arc	K969 K969 K972 K968	Circle arc
Rand129	E6			0.848	Arc	K973 K975 K974	Circle arc
Rand130	E6			0.848	Arc	K974 K977 K973	Circle arc
Rand131	E6			0.848	Arc	K978 K980 K979	Circle arc
Rand132	E6			0.848	Arc	K979 K982 K978	Circle arc
Rand133	E6			0.848	Arc	K983 K985 K984	Circle arc
Rand134	E6			0.848	Arc	K984 K987 K983	Circle arc
Rand135	E6			0.848	Arc	K988 K990 K989	Circle arc
Rand136	E6			0.848	Arc	K989 K992 K988	Circle arc
Rand137	E6			0.848	Arc	K993 K995 K994	Circle arc
Rand138	E6			0.848	Arc	K994 K997 K993	Circle arc
Rand139	E6			0.848	Arc	K998 K1000 K999	Circle arc
Rand140	E6			0.848	Arc	K999 K1002 K998	Circle arc
Rand141	E6			0.848	Arc	K1003 K1005 K1004	Circle arc
Rand142	E6			0.848	Arc	K1004 K1007 K1003	Circle arc
Rand143	E6			0.848	Arc	K1008 K1010 K1009	Circle arc
Rand144	E6			0.848	Arc	K1009 K1012 K1008	Circle arc
Rand145	E6			0.848	Arc	K1013 K1015 K1014	Circle arc
Rand146	E6			0.848	Arc	K1014 K1017 K1013	Circle arc
Rand147	E6			0.848	Arc	K1018 K1020 K1019	Circle arc
Rand148	E6			0.848	Arc	K1019 K1022 K1018	Circle arc
Rand149	E6			0.848	Arc	K1023 K1025 K1024	Circle arc

Name	Member 1	Member 2	Intersection	Length [m]	Shape	Node	Edge
Rand150	E6			0.848	Arc	K1024 K1027 K1023	Circle arc
Rand151	E6			0.848	Arc	K1028 K1030 K1029	Circle arc
Rand152	E6			0.848	Arc	K1029 K1032 K1028	Circle arc
Rand153	E6			0.848	Arc	K1033 K1035 K1034	Circle arc
Rand154	E6			0.848	Arc	K1034 K1037 K1033	Circle arc
Rand155	E6			0.848	Arc	K1038 K1040 K1039	Circle arc
Rand156	E6			0.848	Arc	K1039 K1042 K1038	Circle arc
Rand157	E16			0.848	Arc	K1126 K1128 K1127	Circle arc
Rand158	E16			0.848	Arc	K1127 K1129 K1126	Circle arc
Rand159	E16			0.848	Arc	K1132 K1134 K1133	Circle arc
Rand160	E16			0.848	Arc	K1133 K1135 K1132	Circle arc
Rand161	E1			0.848	Arc	K1140 K1142 K1141	Circle arc
Rand162	E1			0.848	Arc	K1141 K1143 K1140	Circle arc
Rand163	E1			0.848	Arc	K1144 K1146 K1145	Circle arc
Rand164	E1			0.848	Arc	K1145 K1147 K1144	Circle arc
Rand165	E1			0.848	Arc	K1150 K1152 K1151	Circle arc
Rand166	E1			0.848	Arc	K1151 K1153 K1150	Circle arc
Rand167	E1			0.848	Arc	K1156 K1158 K1157	Circle arc
Rand168	E1			0.848	Arc	K1157 K1159 K1156	Circle arc
Rand169	E1			0.848	Arc	K1162 K1164 K1163	Circle arc
Rand170	E1			0.848	Arc	K1163 K1165 K1162	Circle arc
Rand171	E1			0.848	Arc	K1168 K1170 K1169	Circle arc
Rand172	E1			0.848	Arc	K1169	Circle arc

Name	Member 1	Member 2	Intersection	Length [m]	Shape	Node	Edge
						K1171 K1168	
Rand173	E6			0.848	Arc	K1174 K1176 K1175	Circle arc
Rand174	E6			0.848	Arc	K1175 K1177 K1174	Circle arc
Rand175	E6			0.848	Arc	K1180 K1182 K1181	Circle arc
Rand176	E6			0.848	Arc	K1181 K1183 K1180	Circle arc
Rand177	E6			0.848	Arc	K1186 K1188 K1187	Circle arc
Rand178	E6			0.848	Arc	K1187 K1189 K1186	Circle arc
Rand179	E6			0.848	Arc	K1192 K1194 K1193	Circle arc
Rand180	E6			0.848	Arc	K1193 K1195 K1192	Circle arc
Rand181	E6			0.848	Arc	K1198 K1200 K1199	Circle arc
Rand182	E6			0.848	Arc	K1199 K1201 K1198	Circle arc
Rand183	E6			0.848	Arc	K1204 K1206 K1205	Circle arc
Rand184	E6			0.848	Arc	K1205 K1207 K1204	Circle arc
Rand185	E15			0.848	Arc	K1210 K1212 K1211	Circle arc
Rand186	E15			0.848	Arc	K1211 K1213 K1210	Circle arc
Rand187	E15			0.848	Arc	K1216 K1218 K1217	Circle arc
Rand188	E15			0.848	Arc	K1217 K1219 K1216	Circle arc
Rand189	E16			0.848	Arc	K1222 K1224 K1223	Circle arc
Rand190	E16			0.848	Arc	K1223 K1225 K1222	Circle arc
Rand191	E16			0.848	Arc	K1236 K1238 K1237	Circle arc
Rand192	E16			0.848	Arc	K1237 K1239 K1236	Circle arc
Rand193	E16			0.848	Arc	K1240 K1242 K1241	Circle arc
Rand194	E16			0.848	Arc	K1241 K1243	Circle arc

Name	Member 1	Member 2	Intersection	Length [m]	Shape	Node	Edge
Rand195	E16			0.848	Arc	K1240 K1244 K1246 K1245	Circle arc
Rand196	E16			0.848	Arc	K1245 K1247 K1244	Circle arc
Rand197	E16			0.848	Arc	K1248 K1250 K1249	Circle arc
Rand198	E16			0.848	Arc	K1249 K1251 K1248	Circle arc
Rand199	E16			0.848	Arc	K1252 K1254 K1253	Circle arc
Rand200	E16			0.848	Arc	K1253 K1255 K1252	Circle arc
Rand201	E16			0.848	Arc	K1258 K1260 K1259	Circle arc
Rand202	E16			0.848	Arc	K1259 K1261 K1258	Circle arc
Rand203	E1			0.848	Arc	K1280 K1282 K1281	Circle arc
Rand204	E1			0.848	Arc	K1281 K1283 K1280	Circle arc
Rand205	E1			0.848	Arc	K1284 K1286 K1285	Circle arc
Rand206	E1			0.848	Arc	K1285 K1287 K1284	Circle arc
Rand207	E1			0.848	Arc	K1288 K1290 K1289	Circle arc
Rand208	E1			0.848	Arc	K1289 K1291 K1288	Circle arc
Rand209	E1			0.848	Arc	K1292 K1294 K1293	Circle arc
Rand210	E1			0.848	Arc	K1293 K1295 K1292	Circle arc
Rand211	E1			0.848	Arc	K1296 K1298 K1297	Circle arc
Rand212	E1			0.848	Arc	K1297 K1299 K1296	Circle arc
Rand213	E1			0.848	Arc	K1300 K1302 K1301	Circle arc
Rand214	E1			0.848	Arc	K1301 K1303 K1300	Circle arc
Rand215	E1			0.848	Arc	K1304 K1306 K1305	Circle arc
Rand216	E1			0.848	Arc	K1305 K1307 K1304	Circle arc

Name	Member 1	Member 2	Intersection	Length [m]	Shape	Node	Edge
Rand217	E1			0.848	Arc	K1308 K1310 K1309	Circle arc
Rand218	E1			0.848	Arc	K1309 K1311 K1308	Circle arc
Rand219	E1			0.848	Arc	K1312 K1314 K1313	Circle arc
Rand220	E1			0.848	Arc	K1313 K1315 K1312	Circle arc
Rand221	E1			0.848	Arc	K1318 K1320 K1319	Circle arc
Rand222	E1			0.848	Arc	K1319 K1321 K1318	Circle arc
Rand223	E1			0.848	Arc	K1324 K1326 K1325	Circle arc
Rand224	E1			0.848	Arc	K1325 K1327 K1324	Circle arc
Rand225	E1			0.848	Arc	K1334 K1336 K1335	Circle arc
Rand226	E1			0.848	Arc	K1335 K1337 K1334	Circle arc
Rand227	E1			0.848	Arc	K1338 K1340 K1339	Circle arc
Rand228	E1			0.848	Arc	K1339 K1341 K1338	Circle arc
Rand229	E1			0.848	Arc	K1342 K1344 K1343	Circle arc
Rand230	E1			0.848	Arc	K1343 K1345 K1342	Circle arc
Rand231	E1			0.848	Arc	K1348 K1350 K1349	Circle arc
Rand232	E1			0.848	Arc	K1349 K1351 K1348	Circle arc
Rand233	E6			0.848	Arc	K1358 K1360 K1359	Circle arc
Rand234	E6			0.848	Arc	K1359 K1361 K1358	Circle arc
Rand235	E6			0.848	Arc	K1362 K1364 K1363	Circle arc
Rand236	E6			0.848	Arc	K1363 K1365 K1362	Circle arc
Rand237	E6			0.848	Arc	K1366 K1368 K1367	Circle arc
Rand238	E6			0.848	Arc	K1367 K1369 K1366	Circle arc
Rand239	E6			0.848	Arc	K1382	Circle arc

Name	Member 1	Member 2	Intersection	Length [m]	Shape	Node	Edge
						K1384 K1383	
Rand240	E6			0.848	Arc	K1383 K1385 K1382	Circle arc
Rand241	E6			0.848	Arc	K1386 K1388 K1387	Circle arc
Rand242	E6			0.848	Arc	K1387 K1389 K1386	Circle arc
Rand243	E6			0.848	Arc	K1390 K1392 K1391	Circle arc
Rand244	E6			0.848	Arc	K1391 K1393 K1390	Circle arc
Rand245	E6			0.848	Arc	K1394 K1396 K1395	Circle arc
Rand246	E6			0.848	Arc	K1395 K1397 K1394	Circle arc
Rand247	E6			0.848	Arc	K1398 K1400 K1399	Circle arc
Rand248	E6			0.848	Arc	K1399 K1401 K1398	Circle arc
Rand249	E6			0.848	Arc	K1402 K1404 K1403	Circle arc
Rand250	E6			0.848	Arc	K1403 K1405 K1402	Circle arc
Rand251	E6			0.848	Arc	K1408 K1410 K1409	Circle arc
Rand252	E6			0.848	Arc	K1409 K1411 K1408	Circle arc
Rand253	E6			0.848	Arc	K1414 K1416 K1415	Circle arc
Rand254	E6			0.848	Arc	K1415 K1417 K1414	Circle arc
Rand255	E6			0.848	Arc	K1420 K1422 K1421	Circle arc
Rand256	E6			0.848	Arc	K1421 K1423 K1420	Circle arc
Rand257	E6			0.848	Arc	K1430 K1432 K1431	Circle arc
Rand258	E6			0.848	Arc	K1431 K1433 K1430	Circle arc
Rand259	E6			0.848	Arc	K1434 K1436 K1435	Circle arc
Rand260	E6			0.848	Arc	K1435 K1437 K1434	Circle arc
Rand261	E6			0.848	Arc	K1438 K1440	Circle arc

Name	Member 1	Member 2	Intersection	Length [m]	Shape	Node	Edge
Rand262	E6			0.848	Arc	K1439 K1439 K1441 K1438	Circle arc
Rand263	E15			0.848	Arc	K1454 K1456 K1455	Circle arc
Rand264	E15			0.848	Arc	K1455 K1457 K1454	Circle arc
Rand265	E15			0.848	Arc	K1458 K1460 K1459	Circle arc
Rand266	E15			0.848	Arc	K1459 K1461 K1458	Circle arc
Rand267	E15			0.848	Arc	K1462 K1464 K1463	Circle arc
Rand268	E15			0.848	Arc	K1463 K1465 K1462	Circle arc
Rand269	E15			0.848	Arc	K1466 K1468 K1467	Circle arc
Rand270	E15			0.848	Arc	K1467 K1469 K1466	Circle arc
Rand271	E15			0.848	Arc	K1470 K1472 K1471	Circle arc
Rand272	E15			0.848	Arc	K1471 K1473 K1470	Circle arc
Rand273	E15			0.848	Arc	K1474 K1476 K1475	Circle arc
Rand274	E15			0.848	Arc	K1475 K1477 K1474	Circle arc
Rand275	E15			0.848	Arc	K1480 K1482 K1481	Circle arc
Rand276	E15			0.848	Arc	K1481 K1483 K1480	Circle arc
Rand277	E1			1.500	Line	K1484 K1485	Line
Rand278	E1			6.500	Line	K1485 K1486	Line
Rand279	E1			1.500	Line	K1486 K1487	Line
Rand280	E1			6.500	Line	K1487 K1484	Line
Rand281	E1			6.500	Line	N1 N2	Line
Rand282	E1			1.500	Line	N3 N1	Line
Rand283	E1			6.500	Line	N4 N3	Line
Rand284	E1			1.500	Line	N2 N4	Line
Rand285	E1			6.500	Line	N5 N6	Line
Rand286	E1			1.500	Line	N7 N5	Line
Rand287	E1			6.500	Line	N8	Line

Name	Member 1	Member 2	Intersection	Length [m]	Shape	Node	Edge
						N7	
Rand288	E1			1.500	Line	N6 N8	Line
Rand289	E1			1.500	Line	N9 N10	Line
Rand290	E1			6.500	Line	N10 N11	Line
Rand291	E1			1.500	Line	N11 N12	Line
Rand292	E1			6.500	Line	N12 N9	Line
Rand293	E16			6.500	Line	N13 N14	Line
Rand294	E16			1.500	Line	N15 N13	Line
Rand295	E16			6.500	Line	N16 N15	Line
Rand296	E16			1.500	Line	N14 N16	Line
Rand297	E16			1.500	Line	N17 N18	Line
Rand298	E16			6.500	Line	N18 N19	Line
Rand299	E16			1.500	Line	N19 N20	Line
Rand300	E16			6.500	Line	N20 N17	Line
Rand301	E15			6.500	Line	N21 N22	Line
Rand302	E15			1.500	Line	N23 N21	Line
Rand303	E15			6.500	Line	N24 N23	Line
Rand304	E15			1.500	Line	N22 N24	Line
Rand305	E15			1.500	Line	N25 N26	Line
Rand306	E15			6.500	Line	N26 N27	Line
Rand307	E15			1.500	Line	N27 N28	Line
Rand308	E15			6.500	Line	N28 N25	Line
Rand309	E6			6.500	Line	N29 N30	Line
Rand310	E6			1.500	Line	N31 N29	Line
Rand311	E6			6.500	Line	N32 N31	Line
Rand312	E6			1.500	Line	N30 N32	Line
Rand313	E6			1.500	Line	N33 N34	Line
Rand314	E6			6.500	Line	N34 N35	Line
Rand315	E6			1.500	Line	N35 N36	Line
Rand316	E6			6.500	Line	N36 N33	Line
Rand317	E6			6.500	Line	N37 N38	Line
Rand318	E6			1.500	Line	N39 N37	Line
Rand319	E6			6.500	Line	N40 N39	Line
Rand320	E6			1.500	Line	N38 N40	Line

Name	Member 1	Member 2	Intersection	Length [m]	Shape	Node	Edge
Rand321	E6			1.500	Line	N41 N42	Line
Rand322	E6			6.500	Line	N42 N43	Line
Rand323	E6			1.500	Line	N43 N44	Line
Rand324	E6			6.500	Line	N44 N41	Line
Rand325	E17	E51	Inter217	6.832	Polyline	N45 Vertex 2 Vertex 3 Vertex 4 Vertex 5 Vertex 6 Vertex 7 Vertex 8 Vertex 9 Vertex 10 Vertex 11 Vertex 12 Vertex 13 Vertex 14 Vertex 15 Vertex 16 Vertex 17 Vertex 18 Vertex 19 Vertex 20 Vertex 21 Vertex 22 Vertex 23 Vertex 24 Vertex 25 Vertex 26 Vertex 27 Vertex 28 Vertex 29 Vertex 30 Vertex 31 Vertex 32 N83	Linestrip
Rand326	E17	E51	Inter218	6.832	Polyline	N84 Vertex 2 Vertex 3 Vertex 4 Vertex 5 Vertex 6 Vertex 7 Vertex 8 Vertex 9 Vertex 10 Vertex 11 Vertex 12 Vertex 13 Vertex 14 Vertex 15 Vertex 16 Vertex 17 Vertex 18 Vertex 19 Vertex 20 Vertex 21 Vertex 22 Vertex 23 Vertex 24 Vertex 25 Vertex 26	Linestrip

Name	Member 1	Member 2	Intersection	Length [m]	Shape	Node	Edge
						Vertex 27 Vertex 28 Vertex 29 Vertex 30 Vertex 31 Vertex 32 N45	
Rand327	E17	E52	Inter219	6.832	Polyline	N52 Vertex 2 Vertex 3 Vertex 4 Vertex 5 Vertex 6 Vertex 7 Vertex 8 Vertex 9 Vertex 10 Vertex 11 Vertex 12 Vertex 13 Vertex 14 Vertex 15 Vertex 16 Vertex 17 Vertex 18 Vertex 19 Vertex 20 Vertex 21 Vertex 22 Vertex 23 Vertex 24 Vertex 25 Vertex 26 Vertex 27 Vertex 28 Vertex 29 Vertex 30 Vertex 31 Vertex 32 N85	Linestrip
Rand328	E17	E52	Inter220	6.832	Polyline	N86 Vertex 2 Vertex 3 Vertex 4 Vertex 5 Vertex 6 Vertex 7 Vertex 8 Vertex 9 Vertex 10 Vertex 11 Vertex 12 Vertex 13 Vertex 14 Vertex 15 Vertex 16 Vertex 17 Vertex 18 Vertex 19 Vertex 20 Vertex 21 Vertex 22 Vertex 23 Vertex 24 Vertex 25 Vertex 26 Vertex 27	Linestrip

Name	Member 1	Member 2	Intersection	Length [m]	Shape	Node	Edge
						Vertex 28 Vertex 29 Vertex 30 Vertex 31 Vertex 32 N52	
Rand329	E18	E51	Inter221	13.660	Polyline	N83 Vertex 2 Vertex 3 Vertex 4 Vertex 5 Vertex 6 Vertex 7 Vertex 8 Vertex 9 Vertex 10 Vertex 11 Vertex 12 Vertex 13 Vertex 14 Vertex 15 Vertex 16 Vertex 17 Vertex 18 Vertex 19 Vertex 20 Vertex 21 Vertex 22 Vertex 23 Vertex 24 Vertex 25 Vertex 26 Vertex 27 Vertex 28 Vertex 29 Vertex 30 Vertex 31 Vertex 32 N84	Linestrip
Rand330	E18	E52	Inter222	13.660	Polyline	N85 Vertex 2 Vertex 3 Vertex 4 Vertex 5 Vertex 6 Vertex 7 Vertex 8 Vertex 9 Vertex 10 Vertex 11 Vertex 12 Vertex 13 Vertex 14 Vertex 15 Vertex 16 Vertex 17 Vertex 18 Vertex 19 Vertex 20 Vertex 21 Vertex 22 Vertex 23 Vertex 24 Vertex 25 Vertex 26 Vertex 27 Vertex 28	Linestrip

Name	Member 1	Member 2	Intersection	Length [m]	Shape	Node	Edge
						Vertex 29 Vertex 30 Vertex 31 Vertex 32 N86	
Rand331	E19	E53	Inter223	6.832	Polyline	N57 Vertex 2 Vertex 3 Vertex 4 Vertex 5 Vertex 6 Vertex 7 Vertex 8 Vertex 9 Vertex 10 Vertex 11 Vertex 12 Vertex 13 Vertex 14 Vertex 15 Vertex 16 Vertex 17 Vertex 18 Vertex 19 Vertex 20 Vertex 21 Vertex 22 Vertex 23 Vertex 24 Vertex 25 Vertex 26 Vertex 27 Vertex 28 Vertex 29 Vertex 30 Vertex 31 Vertex 32 N87	Linestrip
Rand332	E19	E53	Inter224	6.832	Polyline	N88 Vertex 2 Vertex 3 Vertex 4 Vertex 5 Vertex 6 Vertex 7 Vertex 8 Vertex 9 Vertex 10 Vertex 11 Vertex 12 Vertex 13 Vertex 14 Vertex 15 Vertex 16 Vertex 17 Vertex 18 Vertex 19 Vertex 20 Vertex 21 Vertex 22 Vertex 23 Vertex 24 Vertex 25 Vertex 26 Vertex 27 Vertex 28 Vertex 29	Linestrip

Name	Member 1	Member 2	Intersection	Length [m]	Shape	Node	Edge
						Vertex 30 Vertex 31 Vertex 32 N57	
Rand333	E19	E54	Inter225	6.832	Polyline	N58 Vertex 2 Vertex 3 Vertex 4 Vertex 5 Vertex 6 Vertex 7 Vertex 8 Vertex 9 Vertex 10 Vertex 11 Vertex 12 Vertex 13 Vertex 14 Vertex 15 Vertex 16 Vertex 17 Vertex 18 Vertex 19 Vertex 20 Vertex 21 Vertex 22 Vertex 23 Vertex 24 Vertex 25 Vertex 26 Vertex 27 Vertex 28 Vertex 29 Vertex 30 Vertex 31 Vertex 32 N89	Linestrip
Rand334	E19	E54	Inter226	6.832	Polyline	N90 Vertex 2 Vertex 3 Vertex 4 Vertex 5 Vertex 6 Vertex 7 Vertex 8 Vertex 9 Vertex 10 Vertex 11 Vertex 12 Vertex 13 Vertex 14 Vertex 15 Vertex 16 Vertex 17 Vertex 18 Vertex 19 Vertex 20 Vertex 21 Vertex 22 Vertex 23 Vertex 24 Vertex 25 Vertex 26 Vertex 27 Vertex 28 Vertex 29 Vertex 30	Linestrip

Name	Member 1	Member 2	Intersection	Length [m]	Shape	Node	Edge
						Vertex 31 Vertex 32 N58	
Rand335	E20	E53	Inter227	13.660	Polyline	N87 Vertex 2 Vertex 3 Vertex 4 Vertex 5 Vertex 6 Vertex 7 Vertex 8 Vertex 9 Vertex 10 Vertex 11 Vertex 12 Vertex 13 Vertex 14 Vertex 15 Vertex 16 Vertex 17 Vertex 18 Vertex 19 Vertex 20 Vertex 21 Vertex 22 Vertex 23 Vertex 24 Vertex 25 Vertex 26 Vertex 27 Vertex 28 Vertex 29 Vertex 30 Vertex 31 Vertex 32 N88	Linestrip
Rand336	E20	E54	Inter228	13.660	Polyline	N89 Vertex 2 Vertex 3 Vertex 4 Vertex 5 Vertex 6 Vertex 7 Vertex 8 Vertex 9 Vertex 10 Vertex 11 Vertex 12 Vertex 13 Vertex 14 Vertex 15 Vertex 16 Vertex 17 Vertex 18 Vertex 19 Vertex 20 Vertex 21 Vertex 22 Vertex 23 Vertex 24 Vertex 25 Vertex 26 Vertex 27 Vertex 28 Vertex 29 Vertex 30 Vertex 31	Linestrip

Name	Member 1	Member 2	Intersection	Length [m]	Shape	Node	Edge
						Vertex 32 N90	
Rand337	E21	E55	Inter229	6.832	Polyline	N63 Vertex 2 Vertex 3 Vertex 4 Vertex 5 Vertex 6 Vertex 7 Vertex 8 Vertex 9 Vertex 10 Vertex 11 Vertex 12 Vertex 13 Vertex 14 Vertex 15 Vertex 16 Vertex 17 Vertex 18 Vertex 19 Vertex 20 Vertex 21 Vertex 22 Vertex 23 Vertex 24 Vertex 25 Vertex 26 Vertex 27 Vertex 28 Vertex 29 Vertex 30 Vertex 31 Vertex 32 N91	Linestrip
Rand338	E21	E55	Inter230	6.832	Polyline	N92 Vertex 2 Vertex 3 Vertex 4 Vertex 5 Vertex 6 Vertex 7 Vertex 8 Vertex 9 Vertex 10 Vertex 11 Vertex 12 Vertex 13 Vertex 14 Vertex 15 Vertex 16 Vertex 17 Vertex 18 Vertex 19 Vertex 20 Vertex 21 Vertex 22 Vertex 23 Vertex 24 Vertex 25 Vertex 26 Vertex 27 Vertex 28 Vertex 29 Vertex 30 Vertex 31 Vertex 32	Linestrip

Name	Member 1	Member 2	Intersection	Length [m]	Shape	Node	Edge
Rand339	E21	E56	Inter231	6.832	Polyline	N63	Linestrip
						N64	
						Vertex 2	
						Vertex 3	
						Vertex 4	
						Vertex 5	
						Vertex 6	
						Vertex 7	
						Vertex 8	
						Vertex 9	
						Vertex 10	
						Vertex 11	
						Vertex 12	
						Vertex 13	
						Vertex 14	
						Vertex 15	
						Vertex 16	
						Vertex 17	
						Vertex 18	
						Vertex 19	
						Vertex 20	
						Vertex 21	
						Vertex 22	
						Vertex 23	
						Vertex 24	
						Vertex 25	
						Vertex 26	
						Vertex 27	
						Vertex 28	
						Vertex 29	
						Vertex 30	
						Vertex 31	
						Vertex 32	
Rand340	E21	E56	Inter232	6.832	Polyline	N93	Linestrip
						N94	
						Vertex 2	
						Vertex 3	
						Vertex 4	
						Vertex 5	
						Vertex 6	
						Vertex 7	
						Vertex 8	
						Vertex 9	
						Vertex 10	
						Vertex 11	
						Vertex 12	
						Vertex 13	
						Vertex 14	
						Vertex 15	
						Vertex 16	
						Vertex 17	
						Vertex 18	
						Vertex 19	
						Vertex 20	
						Vertex 21	
						Vertex 22	
						Vertex 23	
						Vertex 24	
						Vertex 25	
						Vertex 26	
						Vertex 27	
						Vertex 28	
						Vertex 29	
						Vertex 30	
						Vertex 31	
						Vertex 32	
N64							

Name	Member 1	Member 2	Intersection	Length [m]	Shape	Node	Edge
Rand341	E22	E55	Inter233	13.660	Polyline	N91 Vertex 2 Vertex 3 Vertex 4 Vertex 5 Vertex 6 Vertex 7 Vertex 8 Vertex 9 Vertex 10 Vertex 11 Vertex 12 Vertex 13 Vertex 14 Vertex 15 Vertex 16 Vertex 17 Vertex 18 Vertex 19 Vertex 20 Vertex 21 Vertex 22 Vertex 23 Vertex 24 Vertex 25 Vertex 26 Vertex 27 Vertex 28 Vertex 29 Vertex 30 Vertex 31 Vertex 32 N92	Linestrip
Rand342	E22	E56	Inter234	13.660	Polyline	N93 Vertex 2 Vertex 3 Vertex 4 Vertex 5 Vertex 6 Vertex 7 Vertex 8 Vertex 9 Vertex 10 Vertex 11 Vertex 12 Vertex 13 Vertex 14 Vertex 15 Vertex 16 Vertex 17 Vertex 18 Vertex 19 Vertex 20 Vertex 21 Vertex 22 Vertex 23 Vertex 24 Vertex 25 Vertex 26 Vertex 27 Vertex 28 Vertex 29 Vertex 30 Vertex 31 Vertex 32 N94	Linestrip
Rand343	E23	E57	Inter235	6.832	Polyline	N69	Linestrip

Name	Member 1	Member 2	Intersection	Length [m]	Shape	Node	Edge
						Vertex 2 Vertex 3 Vertex 4 Vertex 5 Vertex 6 Vertex 7 Vertex 8 Vertex 9 Vertex 10 Vertex 11 Vertex 12 Vertex 13 Vertex 14 Vertex 15 Vertex 16 Vertex 17 Vertex 18 Vertex 19 Vertex 20 Vertex 21 Vertex 22 Vertex 23 Vertex 24 Vertex 25 Vertex 26 Vertex 27 Vertex 28 Vertex 29 Vertex 30 Vertex 31 Vertex 32 N95	
Rand344	E23	E57	Inter236	6.832	Polyline	N96 Vertex 2 Vertex 3 Vertex 4 Vertex 5 Vertex 6 Vertex 7 Vertex 8 Vertex 9 Vertex 10 Vertex 11 Vertex 12 Vertex 13 Vertex 14 Vertex 15 Vertex 16 Vertex 17 Vertex 18 Vertex 19 Vertex 20 Vertex 21 Vertex 22 Vertex 23 Vertex 24 Vertex 25 Vertex 26 Vertex 27 Vertex 28 Vertex 29 Vertex 30 Vertex 31 Vertex 32 N69	Linestrip
Rand345	E23	E58	Inter237	6.832	Polyline	N70 Vertex 2	Linestrip

Name	Member 1	Member 2	Intersection	Length [m]	Shape	Node	Edge
						Vertex 3 Vertex 4 Vertex 5 Vertex 6 Vertex 7 Vertex 8 Vertex 9 Vertex 10 Vertex 11 Vertex 12 Vertex 13 Vertex 14 Vertex 15 Vertex 16 Vertex 17 Vertex 18 Vertex 19 Vertex 20 Vertex 21 Vertex 22 Vertex 23 Vertex 24 Vertex 25 Vertex 26 Vertex 27 Vertex 28 Vertex 29 Vertex 30 Vertex 31 Vertex 32 N97	
Rand346	E23	E58	Inter238	6.832	Polyline	N98 Vertex 2 Vertex 3 Vertex 4 Vertex 5 Vertex 6 Vertex 7 Vertex 8 Vertex 9 Vertex 10 Vertex 11 Vertex 12 Vertex 13 Vertex 14 Vertex 15 Vertex 16 Vertex 17 Vertex 18 Vertex 19 Vertex 20 Vertex 21 Vertex 22 Vertex 23 Vertex 24 Vertex 25 Vertex 26 Vertex 27 Vertex 28 Vertex 29 Vertex 30 Vertex 31 Vertex 32 N70	Linestrip
Rand347	E24	E57	Inter239	13.660	Polyline	N95 Vertex 2 Vertex 3	Linestrip

Name	Member 1	Member 2	Intersection	Length [m]	Shape	Node	Edge
						Vertex 4 Vertex 5 Vertex 6 Vertex 7 Vertex 8 Vertex 9 Vertex 10 Vertex 11 Vertex 12 Vertex 13 Vertex 14 Vertex 15 Vertex 16 Vertex 17 Vertex 18 Vertex 19 Vertex 20 Vertex 21 Vertex 22 Vertex 23 Vertex 24 Vertex 25 Vertex 26 Vertex 27 Vertex 28 Vertex 29 Vertex 30 Vertex 31 Vertex 32 N96	
Rand348	E24	E58	Inter240	13.660	Polyline	N97 Vertex 2 Vertex 3 Vertex 4 Vertex 5 Vertex 6 Vertex 7 Vertex 8 Vertex 9 Vertex 10 Vertex 11 Vertex 12 Vertex 13 Vertex 14 Vertex 15 Vertex 16 Vertex 17 Vertex 18 Vertex 19 Vertex 20 Vertex 21 Vertex 22 Vertex 23 Vertex 24 Vertex 25 Vertex 26 Vertex 27 Vertex 28 Vertex 29 Vertex 30 Vertex 31 Vertex 32 N98	Linestrip
Rand349	E25	E59	Inter241	6.832	Polyline	N75 Vertex 2 Vertex 3 Vertex 4	Linestrip

Name	Member 1	Member 2	Intersection	Length [m]	Shape	Node	Edge
						Vertex 5 Vertex 6 Vertex 7 Vertex 8 Vertex 9 Vertex 10 Vertex 11 Vertex 12 Vertex 13 Vertex 14 Vertex 15 Vertex 16 Vertex 17 Vertex 18 Vertex 19 Vertex 20 Vertex 21 Vertex 22 Vertex 23 Vertex 24 Vertex 25 Vertex 26 Vertex 27 Vertex 28 Vertex 29 Vertex 30 Vertex 31 Vertex 32 N99	
Rand350	E25	E59	Inter242	6.832	Polyline	N100 Vertex 2 Vertex 3 Vertex 4 Vertex 5 Vertex 6 Vertex 7 Vertex 8 Vertex 9 Vertex 10 Vertex 11 Vertex 12 Vertex 13 Vertex 14 Vertex 15 Vertex 16 Vertex 17 Vertex 18 Vertex 19 Vertex 20 Vertex 21 Vertex 22 Vertex 23 Vertex 24 Vertex 25 Vertex 26 Vertex 27 Vertex 28 Vertex 29 Vertex 30 Vertex 31 Vertex 32 N75	Linestrip
Rand351	E25	E60	Inter243	6.832	Polyline	N76 Vertex 2 Vertex 3 Vertex 4 Vertex 5	Linestrip

Name	Member 1	Member 2	Intersection	Length [m]	Shape	Node	Edge
						Vertex 6 Vertex 7 Vertex 8 Vertex 9 Vertex 10 Vertex 11 Vertex 12 Vertex 13 Vertex 14 Vertex 15 Vertex 16 Vertex 17 Vertex 18 Vertex 19 Vertex 20 Vertex 21 Vertex 22 Vertex 23 Vertex 24 Vertex 25 Vertex 26 Vertex 27 Vertex 28 Vertex 29 Vertex 30 Vertex 31 Vertex 32 N101	
Rand352	E25	E60	Inter244	6.832	Polyline	N102 Vertex 2 Vertex 3 Vertex 4 Vertex 5 Vertex 6 Vertex 7 Vertex 8 Vertex 9 Vertex 10 Vertex 11 Vertex 12 Vertex 13 Vertex 14 Vertex 15 Vertex 16 Vertex 17 Vertex 18 Vertex 19 Vertex 20 Vertex 21 Vertex 22 Vertex 23 Vertex 24 Vertex 25 Vertex 26 Vertex 27 Vertex 28 Vertex 29 Vertex 30 Vertex 31 Vertex 32 N76	Linestrip
Rand353	E26	E59	Inter245	13.660	Polyline	N99 Vertex 2 Vertex 3 Vertex 4 Vertex 5 Vertex 6	Linestrip

Name	Member 1	Member 2	Intersection	Length [m]	Shape	Node	Edge
						Vertex 7 Vertex 8 Vertex 9 Vertex 10 Vertex 11 Vertex 12 Vertex 13 Vertex 14 Vertex 15 Vertex 16 Vertex 17 Vertex 18 Vertex 19 Vertex 20 Vertex 21 Vertex 22 Vertex 23 Vertex 24 Vertex 25 Vertex 26 Vertex 27 Vertex 28 Vertex 29 Vertex 30 Vertex 31 Vertex 32 N100	
Rand354	E26	E60	Inter246	13.660	Polyline	N101 Vertex 2 Vertex 3 Vertex 4 Vertex 5 Vertex 6 Vertex 7 Vertex 8 Vertex 9 Vertex 10 Vertex 11 Vertex 12 Vertex 13 Vertex 14 Vertex 15 Vertex 16 Vertex 17 Vertex 18 Vertex 19 Vertex 20 Vertex 21 Vertex 22 Vertex 23 Vertex 24 Vertex 25 Vertex 26 Vertex 27 Vertex 28 Vertex 29 Vertex 30 Vertex 31 Vertex 32 N102	Linestrip
Rand355	E27	E61	Inter247	6.832	Polyline	N81 Vertex 2 Vertex 3 Vertex 4 Vertex 5 Vertex 6 Vertex 7	Linestrip

Name	Member 1	Member 2	Intersection	Length [m]	Shape	Node	Edge
						Vertex 8 Vertex 9 Vertex 10 Vertex 11 Vertex 12 Vertex 13 Vertex 14 Vertex 15 Vertex 16 Vertex 17 Vertex 18 Vertex 19 Vertex 20 Vertex 21 Vertex 22 Vertex 23 Vertex 24 Vertex 25 Vertex 26 Vertex 27 Vertex 28 Vertex 29 Vertex 30 Vertex 31 Vertex 32 N103	
Rand356	E27	E61	Inter248	6.832	Polyline	N104 Vertex 2 Vertex 3 Vertex 4 Vertex 5 Vertex 6 Vertex 7 Vertex 8 Vertex 9 Vertex 10 Vertex 11 Vertex 12 Vertex 13 Vertex 14 Vertex 15 Vertex 16 Vertex 17 Vertex 18 Vertex 19 Vertex 20 Vertex 21 Vertex 22 Vertex 23 Vertex 24 Vertex 25 Vertex 26 Vertex 27 Vertex 28 Vertex 29 Vertex 30 Vertex 31 Vertex 32 N81	Linestrip
Rand357	E27	E62	Inter249	6.832	Polyline	N82 Vertex 2 Vertex 3 Vertex 4 Vertex 5 Vertex 6 Vertex 7 Vertex 8	Linestrip

Name	Member 1	Member 2	Intersection	Length [m]	Shape	Node	Edge
						Vertex 9 Vertex 10 Vertex 11 Vertex 12 Vertex 13 Vertex 14 Vertex 15 Vertex 16 Vertex 17 Vertex 18 Vertex 19 Vertex 20 Vertex 21 Vertex 22 Vertex 23 Vertex 24 Vertex 25 Vertex 26 Vertex 27 Vertex 28 Vertex 29 Vertex 30 Vertex 31 Vertex 32 N105	
Rand358	E27	E62	Inter250	6.832	Polyline	N106 Vertex 2 Vertex 3 Vertex 4 Vertex 5 Vertex 6 Vertex 7 Vertex 8 Vertex 9 Vertex 10 Vertex 11 Vertex 12 Vertex 13 Vertex 14 Vertex 15 Vertex 16 Vertex 17 Vertex 18 Vertex 19 Vertex 20 Vertex 21 Vertex 22 Vertex 23 Vertex 24 Vertex 25 Vertex 26 Vertex 27 Vertex 28 Vertex 29 Vertex 30 Vertex 31 Vertex 32 N82	Linestrip
Rand359	E28	E61	Inter251	13.660	Polyline	N103 Vertex 2 Vertex 3 Vertex 4 Vertex 5 Vertex 6 Vertex 7 Vertex 8 Vertex 9	Linestrip

Name	Member 1	Member 2	Intersection	Length [m]	Shape	Node	Edge
						Vertex 10 Vertex 11 Vertex 12 Vertex 13 Vertex 14 Vertex 15 Vertex 16 Vertex 17 Vertex 18 Vertex 19 Vertex 20 Vertex 21 Vertex 22 Vertex 23 Vertex 24 Vertex 25 Vertex 26 Vertex 27 Vertex 28 Vertex 29 Vertex 30 Vertex 31 Vertex 32 N104	
Rand360	E28	E62	Inter252	13.660	Polyline	N105 Vertex 2 Vertex 3 Vertex 4 Vertex 5 Vertex 6 Vertex 7 Vertex 8 Vertex 9 Vertex 10 Vertex 11 Vertex 12 Vertex 13 Vertex 14 Vertex 15 Vertex 16 Vertex 17 Vertex 18 Vertex 19 Vertex 20 Vertex 21 Vertex 22 Vertex 23 Vertex 24 Vertex 25 Vertex 26 Vertex 27 Vertex 28 Vertex 29 Vertex 30 Vertex 31 Vertex 32 N106	Linestrip
Rand361	E1			0.848	Arc	K1494 K1496 K1495	Circle arc
Rand362	E1			0.848	Arc	K1495 K1497 K1494	Circle arc
Rand363	E1			0.848	Arc	K1498 K1500 K1499	Circle arc
Rand364	E1			0.848	Arc	K1499	Circle arc

Name	Member 1	Member 2	Intersection	Length [m]	Shape	Node	Edge
						K1501 K1498	
Rand365	E1			0.848	Arc	K1502 K1504 K1503	Circle arc
Rand366	E1			0.848	Arc	K1503 K1505 K1502	Circle arc
Rand367	E1			0.848	Arc	K1520 K1522 K1521	Circle arc
Rand368	E1			0.848	Arc	K1521 K1523 K1520	Circle arc
Rand369	E1			0.848	Arc	K1524 K1526 K1525	Circle arc
Rand370	E1			0.848	Arc	K1525 K1527 K1524	Circle arc
Rand371	E1			0.848	Arc	K1528 K1530 K1529	Circle arc
Rand372	E1			0.848	Arc	K1529 K1531 K1528	Circle arc
Rand373	E1			0.848	Arc	K1532 K1534 K1533	Circle arc
Rand374	E1			0.848	Arc	K1533 K1535 K1532	Circle arc
Rand375	E1			0.848	Arc	K1536 K1538 K1537	Circle arc
Rand376	E1			0.848	Arc	K1537 K1539 K1536	Circle arc
Rand377	E1			0.848	Arc	K1540 K1542 K1541	Circle arc
Rand378	E1			0.848	Arc	K1541 K1543 K1540	Circle arc
Rand379	E1			0.848	Arc	K1544 K1546 K1545	Circle arc
Rand380	E1			0.848	Arc	K1545 K1547 K1544	Circle arc
Rand381	E1			0.848	Arc	K1550 K1552 K1551	Circle arc
Rand382	E1			0.848	Arc	K1551 K1553 K1550	Circle arc
Rand383	E1			0.848	Arc	K1556 K1558 K1557	Circle arc
Rand384	E1			0.848	Arc	K1557 K1559 K1556	Circle arc
Rand385	E1			0.848	Arc	K1562 K1564 K1563	Circle arc
Rand386	E1			0.848	Arc	K1563 K1565	Circle arc

Name	Member 1	Member 2	Intersection	Length [m]	Shape	Node	Edge
Rand387	E1			0.848	Arc	K1562 K1568 K1570 K1569	Circle arc
Rand388	E1			0.848	Arc	K1569 K1571 K1568	Circle arc
Rand389	E16			0.848	Arc	K1580 K1582 K1581	Circle arc
Rand390	E16			0.848	Arc	K1581 K1583 K1580	Circle arc
Rand391	E16			0.848	Arc	K1584 K1586 K1585	Circle arc
Rand392	E16			0.848	Arc	K1585 K1587 K1584	Circle arc
Rand393	E16			0.848	Arc	K1588 K1590 K1589	Circle arc
Rand394	E16			0.848	Arc	K1589 K1591 K1588	Circle arc
Rand395	E16			0.848	Arc	K1592 K1594 K1593	Circle arc
Rand396	E16			0.848	Arc	K1593 K1595 K1592	Circle arc
Rand397	E16			0.848	Arc	K1598 K1600 K1599	Circle arc
Rand398	E16			0.848	Arc	K1599 K1601 K1598	Circle arc
Rand399	E16			0.848	Arc	K1604 K1606 K1605	Circle arc
Rand400	E16			0.848	Arc	K1605 K1607 K1604	Circle arc
Rand401	E1			0.848	Arc	K1614 K1616 K1615	Circle arc
Rand402	E1			0.848	Arc	K1615 K1617 K1614	Circle arc
Rand403	E1			0.848	Arc	K1618 K1620 K1619	Circle arc
Rand404	E1			0.848	Arc	K1619 K1621 K1618	Circle arc
Rand405	E1			0.848	Arc	K1622 K1624 K1623	Circle arc
Rand406	E1			0.848	Arc	K1623 K1625 K1622	Circle arc
Rand407	E1			0.848	Arc	K1640 K1642 K1641	Circle arc
Rand408	E1			0.848	Arc	K1641 K1643 K1640	Circle arc

Name	Member 1	Member 2	Intersection	Length [m]	Shape	Node	Edge
Rand409	E1			0.848	Arc	K1644 K1646 K1645	Circle arc
Rand410	E1			0.848	Arc	K1645 K1647 K1644	Circle arc
Rand411	E1			0.848	Arc	K1648 K1650 K1649	Circle arc
Rand412	E1			0.848	Arc	K1649 K1651 K1648	Circle arc
Rand413	E1			0.848	Arc	K1652 K1654 K1653	Circle arc
Rand414	E1			0.848	Arc	K1653 K1655 K1652	Circle arc
Rand415	E1			0.848	Arc	K1656 K1658 K1657	Circle arc
Rand416	E1			0.848	Arc	K1657 K1659 K1656	Circle arc
Rand417	E1			0.848	Arc	K1660 K1662 K1661	Circle arc
Rand418	E1			0.848	Arc	K1661 K1663 K1660	Circle arc
Rand419	E1			0.848	Arc	K1664 K1666 K1665	Circle arc
Rand420	E1			0.848	Arc	K1665 K1667 K1664	Circle arc
Rand421	E1			0.848	Arc	K1670 K1672 K1671	Circle arc
Rand422	E1			0.848	Arc	K1671 K1673 K1670	Circle arc
Rand423	E1			0.848	Arc	K1676 K1678 K1677	Circle arc
Rand424	E1			0.848	Arc	K1677 K1679 K1676	Circle arc
Rand425	E1			0.848	Arc	K1682 K1684 K1683	Circle arc
Rand426	E1			0.848	Arc	K1683 K1685 K1682	Circle arc
Rand427	E1			0.848	Arc	K1688 K1690 K1689	Circle arc
Rand428	E1			0.848	Arc	K1689 K1691 K1688	Circle arc
Rand429	E16			0.848	Arc	K1700 K1702 K1701	Circle arc
Rand430	E16			0.848	Arc	K1701 K1703 K1700	Circle arc
Rand431	E16			0.848	Arc	K1704	Circle arc

Name	Member 1	Member 2	Intersection	Length [m]	Shape	Node	Edge
						K1706 K1705	
Rand432	E16			0.848	Arc	K1705 K1707 K1704	Circle arc
Rand433	E16			0.848	Arc	K1708 K1710 K1709	Circle arc
Rand434	E16			0.848	Arc	K1709 K1711 K1708	Circle arc
Rand435	E16			0.848	Arc	K1712 K1714 K1713	Circle arc
Rand436	E16			0.848	Arc	K1713 K1715 K1712	Circle arc
Rand437	E16			0.848	Arc	K1718 K1720 K1719	Circle arc
Rand438	E16			0.848	Arc	K1719 K1721 K1718	Circle arc
Rand439	E16			0.848	Arc	K1724 K1726 K1725	Circle arc
Rand440	E16			0.848	Arc	K1725 K1727 K1724	Circle arc
Rand441	E6			0.848	Arc	K1734 K1736 K1735	Circle arc
Rand442	E6			0.848	Arc	K1735 K1737 K1734	Circle arc
Rand443	E6			0.848	Arc	K1738 K1740 K1739	Circle arc
Rand444	E6			0.848	Arc	K1739 K1741 K1738	Circle arc
Rand445	E6			0.848	Arc	K1742 K1744 K1743	Circle arc
Rand446	E6			0.848	Arc	K1743 K1745 K1742	Circle arc
Rand447	E6			0.848	Arc	K1760 K1762 K1761	Circle arc
Rand448	E6			0.848	Arc	K1761 K1763 K1760	Circle arc
Rand449	E6			0.848	Arc	K1764 K1766 K1765	Circle arc
Rand450	E6			0.848	Arc	K1765 K1767 K1764	Circle arc
Rand451	E6			0.848	Arc	K1768 K1770 K1769	Circle arc
Rand452	E6			0.848	Arc	K1769 K1771 K1768	Circle arc
Rand453	E6			0.848	Arc	K1772 K1774	Circle arc

Name	Member 1	Member 2	Intersection	Length [m]	Shape	Node	Edge
Rand454	E6			0.848	Arc	K1773 K1773 K1775 K1772	Circle arc
Rand455	E6			0.848	Arc	K1776 K1778 K1777	Circle arc
Rand456	E6			0.848	Arc	K1777 K1779 K1776	Circle arc
Rand457	E6			0.848	Arc	K1780 K1782 K1781	Circle arc
Rand458	E6			0.848	Arc	K1781 K1783 K1780	Circle arc
Rand459	E6			0.848	Arc	K1784 K1786 K1785	Circle arc
Rand460	E6			0.848	Arc	K1785 K1787 K1784	Circle arc
Rand461	E6			0.848	Arc	K1790 K1792 K1791	Circle arc
Rand462	E6			0.848	Arc	K1791 K1793 K1790	Circle arc
Rand463	E6			0.848	Arc	K1796 K1798 K1797	Circle arc
Rand464	E6			0.848	Arc	K1797 K1799 K1796	Circle arc
Rand465	E6			0.848	Arc	K1802 K1804 K1803	Circle arc
Rand466	E6			0.848	Arc	K1803 K1805 K1802	Circle arc
Rand467	E6			0.848	Arc	K1808 K1810 K1809	Circle arc
Rand468	E6			0.848	Arc	K1809 K1811 K1808	Circle arc
Rand469	E15			0.848	Arc	K1820 K1822 K1821	Circle arc
Rand470	E15			0.848	Arc	K1821 K1823 K1820	Circle arc
Rand471	E15			0.848	Arc	K1824 K1826 K1825	Circle arc
Rand472	E15			0.848	Arc	K1825 K1827 K1824	Circle arc
Rand473	E15			0.848	Arc	K1828 K1830 K1829	Circle arc
Rand474	E15			0.848	Arc	K1829 K1831 K1828	Circle arc
Rand475	E15			0.848	Arc	K1832 K1834 K1833	Circle arc

Name	Member 1	Member 2	Intersection	Length [m]	Shape	Node	Edge
Rand476	E15			0.848	Arc	K1833 K1835 K1832	Circle arc
Rand477	E15			0.848	Arc	K1838 K1840 K1839	Circle arc
Rand478	E15			0.848	Arc	K1839 K1841 K1838	Circle arc
Rand479	E15			0.848	Arc	K1844 K1846 K1845	Circle arc
Rand480	E15			0.848	Arc	K1845 K1847 K1844	Circle arc
Rand481	E6			0.848	Arc	K1854 K1856 K1855	Circle arc
Rand482	E6			0.848	Arc	K1855 K1857 K1854	Circle arc
Rand483	E6			0.848	Arc	K1858 K1860 K1859	Circle arc
Rand484	E6			0.848	Arc	K1859 K1861 K1858	Circle arc
Rand485	E6			0.848	Arc	K1862 K1864 K1863	Circle arc
Rand486	E6			0.848	Arc	K1863 K1865 K1862	Circle arc
Rand487	E6			0.848	Arc	K1880 K1882 K1881	Circle arc
Rand488	E6			0.848	Arc	K1881 K1883 K1880	Circle arc
Rand489	E6			0.848	Arc	K1884 K1886 K1885	Circle arc
Rand490	E6			0.848	Arc	K1885 K1887 K1884	Circle arc
Rand491	E6			0.848	Arc	K1888 K1890 K1889	Circle arc
Rand492	E6			0.848	Arc	K1889 K1891 K1888	Circle arc
Rand493	E6			0.848	Arc	K1892 K1894 K1893	Circle arc
Rand494	E6			0.848	Arc	K1893 K1895 K1892	Circle arc
Rand495	E6			0.848	Arc	K1896 K1898 K1897	Circle arc
Rand496	E6			0.848	Arc	K1897 K1899 K1896	Circle arc
Rand497	E6			0.848	Arc	K1900 K1902 K1901	Circle arc
Rand498	E6			0.848	Arc	K1901	Circle arc

Name	Member 1	Member 2	Intersection	Length [m]	Shape	Node	Edge
						K1903 K1900	
Rand499	E6			0.848	Arc	K1904 K1906 K1905	Circle arc
Rand500	E6			0.848	Arc	K1905 K1907 K1904	Circle arc
Rand501	E6			0.848	Arc	K1910 K1912 K1911	Circle arc
Rand502	E6			0.848	Arc	K1911 K1913 K1910	Circle arc
Rand503	E6			0.848	Arc	K1916 K1918 K1917	Circle arc
Rand504	E6			0.848	Arc	K1917 K1919 K1916	Circle arc
Rand505	E6			0.848	Arc	K1922 K1924 K1923	Circle arc
Rand506	E6			0.848	Arc	K1923 K1925 K1922	Circle arc
Rand507	E6			0.848	Arc	K1928 K1930 K1929	Circle arc
Rand508	E6			0.848	Arc	K1929 K1931 K1928	Circle arc
Rand509	E15			0.848	Arc	K1940 K1942 K1941	Circle arc
Rand510	E15			0.848	Arc	K1941 K1943 K1940	Circle arc
Rand511	E15			0.848	Arc	K1944 K1946 K1945	Circle arc
Rand512	E15			0.848	Arc	K1945 K1947 K1944	Circle arc
Rand513	E15			0.848	Arc	K1948 K1950 K1949	Circle arc
Rand514	E15			0.848	Arc	K1949 K1951 K1948	Circle arc
Rand515	E15			0.848	Arc	K1952 K1954 K1953	Circle arc
Rand516	E15			0.848	Arc	K1953 K1955 K1952	Circle arc
Rand517	E15			0.848	Arc	K1958 K1960 K1959	Circle arc
Rand518	E15			0.848	Arc	K1959 K1961 K1958	Circle arc
Rand519	E15			0.848	Arc	K1964 K1966 K1965	Circle arc
Rand520	E15			0.848	Arc	K1965 K1967	Circle arc

Name	Member 1	Member 2	Intersection	Length [m]	Shape	Node	Edge
						K1964	

2.3.4.6. Line rigid links

Name	Edge	Master	Slave	Hinge on master	Hinge on slave
RS1	1	K540	Rand13	*	*
RS2	1	K540	Rand14	*	*
RS3	1	K542	Rand15	*	*
RS4	1	K542	Rand16	*	*
RS5	1	K544	Rand17	*	*
RS6	1	K544	Rand18	*	*
RS7	1	K546	Rand19	*	*
RS8	1	K546	Rand20	*	*
RS9	1	K550	Rand21	*	*
RS10	1	K550	Rand22	*	*
RS11	1	K548	Rand23	*	*
RS12	1	K548	Rand24	*	*
RS13	1	K552	Rand29	*	*
RS14	1	K552	Rand30	*	*
RS15	1	K554	Rand35	*	*
RS16	1	K554	Rand36	*	*
RS17	1	K556	Rand27	*	*
RS18	1	K556	Rand28	*	*
RS19	1	K558	Rand31	*	*
RS20	1	K558	Rand32	*	*
RS21	1	K562	Rand33	*	*
RS22	1	K562	Rand34	*	*
RS23	1	K560	Rand25	*	*
RS24	1	K560	Rand26	*	*
RS25	1	K564	Rand41	*	*
RS26	1	K564	Rand42	*	*
RS27	1	K566	Rand47	*	*
RS28	1	K566	Rand48	*	*
RS29	1	K568	Rand39	*	*
RS30	1	K568	Rand40	*	*
RS31	1	K570	Rand43	*	*
RS32	1	K570	Rand44	*	*
RS33	1	K574	Rand45	*	*
RS34	1	K574	Rand46	*	*
RS35	1	K572	Rand37	*	*
RS36	1	K572	Rand38	*	*
RS37	1	K576	Rand53	*	*
RS38	1	K576	Rand54	*	*
RS39	1	K578	Rand59	*	*
RS40	1	K578	Rand60	*	*
RS41	1	K580	Rand51	*	*
RS42	1	K580	Rand52	*	*
RS43	1	K582	Rand55	*	*
RS44	1	K582	Rand56	*	*
RS45	1	K586	Rand57	*	*
RS46	1	K586	Rand58	*	*
RS47	1	K584	Rand49	*	*
RS48	1	K584	Rand50	*	*
RS49	1	K588	Rand65	*	*
RS50	1	K588	Rand66	*	*
RS51	1	K590	Rand71	*	*
RS52	1	K590	Rand72	*	*
RS53	1	K592	Rand63	*	*
RS54	1	K592	Rand64	*	*
RS55	1	K594	Rand67	*	*
RS56	1	K594	Rand68	*	*
RS57	1	K598	Rand69	*	*
RS58	1	K598	Rand70	*	*
RS59	1	K596	Rand61	*	*
RS60	1	K596	Rand62	*	*
RS61	1	K600	Rand77	*	*
RS62	1	K600	Rand78	*	*

Name	Edge	Master	Slave	Hinge on master	Hinge on slave
RS63	1	K602	Rand83	*	*
RS64	1	K602	Rand84	*	*
RS65	1	K604	Rand75	*	*
RS66	1	K604	Rand76	*	*
RS67	1	K606	Rand79	*	*
RS68	1	K606	Rand80	*	*
RS69	1	K610	Rand81	*	*
RS70	1	K610	Rand82	*	*
RS71	1	K608	Rand73	*	*
RS72	1	K608	Rand74	*	*
RS73	1	K672	Rand89	*	*
RS74	1	K672	Rand90	*	*
RS75	1	K674	Rand95	*	*
RS76	1	K674	Rand96	*	*
RS77	1	K676	Rand87	*	*
RS78	1	K676	Rand88	*	*
RS79	1	K678	Rand91	*	*
RS80	1	K678	Rand92	*	*
RS81	1	K682	Rand93	*	*
RS82	1	K682	Rand94	*	*
RS83	1	K680	Rand85	*	*
RS84	1	K680	Rand86	*	*
RS85	1	K660	Rand101	*	*
RS86	1	K660	Rand102	*	*
RS87	1	K662	Rand107	*	*
RS88	1	K662	Rand108	*	*
RS89	1	K664	Rand99	*	*
RS90	1	K664	Rand100	*	*
RS91	1	K666	Rand103	*	*
RS92	1	K666	Rand104	*	*
RS93	1	K670	Rand105	*	*
RS94	1	K670	Rand106	*	*
RS95	1	K668	Rand97	*	*
RS96	1	K668	Rand98	*	*
RS97	1	K648	Rand113	*	*
RS98	1	K648	Rand114	*	*
RS99	1	K650	Rand119	*	*
RS100	1	K650	Rand120	*	*
RS101	1	K652	Rand111	*	*
RS102	1	K652	Rand112	*	*
RS103	1	K654	Rand115	*	*
RS104	1	K654	Rand116	*	*
RS105	1	K658	Rand117	*	*
RS106	1	K658	Rand118	*	*
RS107	1	K656	Rand109	*	*
RS108	1	K656	Rand110	*	*
RS109	1	K636	Rand125	*	*
RS110	1	K636	Rand126	*	*
RS111	1	K638	Rand131	*	*
RS112	1	K638	Rand132	*	*
RS113	1	K640	Rand123	*	*
RS114	1	K640	Rand124	*	*
RS115	1	K642	Rand127	*	*
RS116	1	K642	Rand128	*	*
RS117	1	K646	Rand129	*	*
RS118	1	K646	Rand130	*	*
RS119	1	K644	Rand121	*	*
RS120	1	K644	Rand122	*	*
RS121	1	K624	Rand137	*	*
RS122	1	K624	Rand138	*	*
RS123	1	K626	Rand143	*	*
RS124	1	K626	Rand144	*	*
RS125	1	K628	Rand135	*	*
RS126	1	K628	Rand136	*	*
RS127	1	K630	Rand139	*	*
RS128	1	K630	Rand140	*	*
RS129	1	K634	Rand141	*	*
RS130	1	K634	Rand142	*	*

Name	Edge	Master	Slave	Hinge on master	Hinge on slave
RS131	1	K632	Rand133	*	*
RS132	1	K632	Rand134	*	*
RS133	1	K612	Rand149	*	*
RS134	1	K612	Rand150	*	*
RS135	1	K614	Rand155	*	*
RS136	1	K614	Rand156	*	*
RS137	1	K616	Rand147	*	*
RS138	1	K616	Rand148	*	*
RS139	1	K618	Rand151	*	*
RS140	1	K618	Rand152	*	*
RS141	1	K622	Rand153	*	*
RS142	1	K622	Rand154	*	*
RS143	1	K620	Rand145	*	*
RS144	1	K620	Rand146	*	*
RS145	1	K1167	Rand171	*	*
RS146	1	K1167	Rand172	*	*
RS147	1	K1161	Rand169	*	*
RS148	1	K1161	Rand170	*	*
RS149	1	K1149	Rand165	*	*
RS150	1	K1149	Rand166	*	*
RS151	1	K1155	Rand167	*	*
RS152	1	K1155	Rand168	*	*
RS153	1	K1137	Rand161	*	*
RS154	1	K1137	Rand162	*	*
RS155	1	K1139	Rand163	*	*
RS156	1	K1139	Rand164	*	*
RS157	1	K1131	Rand159	*	*
RS158	1	K1131	Rand160	*	*
RS159	1	K1125	Rand157	*	*
RS160	1	K1125	Rand158	*	*
RS161	1	K1209	Rand185	*	*
RS162	1	K1209	Rand186	*	*
RS163	1	K1215	Rand187	*	*
RS164	1	K1215	Rand188	*	*
RS165	1	K1203	Rand183	*	*
RS166	1	K1203	Rand184	*	*
RS167	1	K1197	Rand181	*	*
RS168	1	K1197	Rand182	*	*
RS169	1	K1191	Rand179	*	*
RS170	1	K1191	Rand180	*	*
RS171	1	K1185	Rand177	*	*
RS172	1	K1185	Rand178	*	*
RS173	1	K1173	Rand173	*	*
RS174	1	K1173	Rand174	*	*
RS175	1	K1179	Rand175	*	*
RS176	1	K1179	Rand176	*	*
RS177	1	K1263	Rand203	*	*
RS178	1	K1263	Rand204	*	*
RS179	1	K1265	Rand205	*	*
RS180	1	K1265	Rand206	*	*
RS181	1	K1267	Rand207	*	*
RS182	1	K1267	Rand208	*	*
RS183	1	K1269	Rand213	*	*
RS184	1	K1269	Rand214	*	*
RS185	1	K1271	Rand211	*	*
RS186	1	K1271	Rand212	*	*
RS187	1	K1273	Rand209	*	*
RS188	1	K1273	Rand210	*	*
RS189	1	K1275	Rand219	*	*
RS190	1	K1275	Rand220	*	*
RS191	1	K1277	Rand217	*	*
RS192	1	K1277	Rand218	*	*
RS193	1	K1279	Rand215	*	*
RS194	1	K1279	Rand216	*	*
RS195	1	K1329	Rand229	*	*
RS196	1	K1329	Rand230	*	*
RS197	1	K1331	Rand227	*	*
RS198	1	K1331	Rand228	*	*

Name	Edge	Master	Slave	Hinge on master	Hinge on slave
RS199	1	K1333	Rand225	*	*
RS200	1	K1333	Rand226	*	*
RS201	1	K1227	Rand195	*	*
RS202	1	K1227	Rand196	*	*
RS203	1	K1229	Rand193	*	*
RS204	1	K1229	Rand194	*	*
RS205	1	K1231	Rand191	*	*
RS206	1	K1231	Rand192	*	*
RS207	1	K1233	Rand199	*	*
RS208	1	K1233	Rand200	*	*
RS209	1	K1235	Rand197	*	*
RS210	1	K1235	Rand198	*	*
RS211	1	K1221	Rand189	*	*
RS212	1	K1221	Rand190	*	*
RS213	1	K1449	Rand267	*	*
RS214	1	K1449	Rand268	*	*
RS215	1	K1451	Rand265	*	*
RS216	1	K1451	Rand266	*	*
RS217	1	K1453	Rand263	*	*
RS218	1	K1453	Rand264	*	*
RS219	1	K1443	Rand273	*	*
RS220	1	K1443	Rand274	*	*
RS221	1	K1445	Rand271	*	*
RS222	1	K1445	Rand272	*	*
RS223	1	K1447	Rand269	*	*
RS224	1	K1447	Rand270	*	*
RS225	1	K1425	Rand261	*	*
RS226	1	K1425	Rand262	*	*
RS227	1	K1427	Rand259	*	*
RS228	1	K1427	Rand260	*	*
RS229	1	K1429	Rand257	*	*
RS230	1	K1429	Rand258	*	*
RS231	1	K1377	Rand243	*	*
RS232	1	K1377	Rand244	*	*
RS233	1	K1379	Rand241	*	*
RS234	1	K1379	Rand242	*	*
RS235	1	K1381	Rand239	*	*
RS236	1	K1381	Rand240	*	*
RS237	1	K1371	Rand249	*	*
RS238	1	K1371	Rand250	*	*
RS239	1	K1373	Rand247	*	*
RS240	1	K1373	Rand248	*	*
RS241	1	K1375	Rand245	*	*
RS242	1	K1375	Rand246	*	*
RS243	1	K1353	Rand237	*	*
RS244	1	K1353	Rand238	*	*
RS245	1	K1355	Rand235	*	*
RS246	1	K1355	Rand236	*	*
RS247	1	K1357	Rand233	*	*
RS248	1	K1357	Rand234	*	*
RS249	1	K1323	Rand223	*	*
RS250	1	K1323	Rand224	*	*
RS251	1	K1317	Rand221	*	*
RS252	1	K1317	Rand222	*	*
RS253	1	K1347	Rand231	*	*
RS254	1	K1347	Rand232	*	*
RS255	1	K1257	Rand201	*	*
RS256	1	K1257	Rand202	*	*
RS257	1	K1479	Rand275	*	*
RS258	1	K1479	Rand276	*	*
RS259	1	K1419	Rand255	*	*
RS260	1	K1419	Rand256	*	*
RS261	1	K1413	Rand253	*	*
RS262	1	K1413	Rand254	*	*
RS263	1	K1407	Rand251	*	*
RS264	1	K1407	Rand252	*	*
RS265	1	K6	Rand279	*	*
RS268	1	K5	Rand277	*	*

Name	Edge	Master	Slave	Hinge on master	Hinge on slave
RS280	1	K9	Rand284	*	*
RS283	1	K10	Rand282	*	*
RS295	1	N8	Rand287	*	*
RS296	1	N8	Rand288	*	*
RS299	1	K13	Rand288	*	*
RS307	1	K14	Rand286	*	*
RS310	1	K17	Rand291	*	*
RS320	1	K18	Rand289	*	*
RS323	1	K44	Rand296	*	*
RS324	1	K44	Rand293	*	*
RS325	1	K44	Rand295	*	*
RS326	1	K45	Rand293	*	*
RS327	1	K45	Rand294	*	*
RS328	1	K45	Rand295	*	*
RS337	1	K48	Rand298	*	*
RS338	1	K48	Rand297	*	*
RS339	1	K48	Rand300	*	*
RS340	1	K47	Rand299	*	*
RS341	1	K47	Rand298	*	*
RS342	1	K47	Rand300	*	*
RS351	1	K25	Rand320	*	*
RS352	1	K25	Rand317	*	*
RS353	1	K25	Rand319	*	*
RS354	1	K26	Rand318	*	*
RS355	1	K26	Rand317	*	*
RS356	1	K26	Rand319	*	*
RS358	1	K29	Rand323	*	*
RS360	1	K30	Rand321	*	*
RS372	1	K33	Rand312	*	*
RS375	1	K34	Rand310	*	*
RS386	1	K37	Rand315	*	*
RS388	1	K38	Rand313	*	*
RS407	1	K52	Rand301	*	*
RS408	1	K52	Rand302	*	*
RS409	1	K52	Rand303	*	*
RS410	1	K51	Rand301	*	*
RS411	1	K51	Rand304	*	*
RS412	1	K51	Rand303	*	*
RS421	1	K54	Rand306	*	*
RS422	1	K54	Rand307	*	*
RS423	1	K54	Rand308	*	*
RS424	1	K55	Rand305	*	*
RS425	1	K55	Rand306	*	*
RS426	1	K55	Rand308	*	*
RS427	1	K1489	Rand361	*	*
RS428	1	K1489	Rand362	*	*
RS429	1	K1491	Rand363	*	*
RS430	1	K1491	Rand364	*	*
RS431	1	K1493	Rand365	*	*
RS432	1	K1493	Rand366	*	*
RS433	1	K1507	Rand371	*	*
RS434	1	K1507	Rand372	*	*
RS435	1	K1509	Rand369	*	*
RS436	1	K1509	Rand370	*	*
RS437	1	K1511	Rand367	*	*
RS438	1	K1511	Rand368	*	*
RS439	1	K1513	Rand377	*	*
RS440	1	K1513	Rand378	*	*
RS441	1	K1515	Rand375	*	*
RS442	1	K1515	Rand376	*	*
RS443	1	K1517	Rand373	*	*
RS444	1	K1517	Rand374	*	*
RS445	1	K1519	Rand379	*	*
RS446	1	K1519	Rand380	*	*
RS447	1	K1567	Rand387	*	*
RS448	1	K1567	Rand388	*	*
RS449	1	K1573	Rand393	*	*
RS450	1	K1573	Rand394	*	*

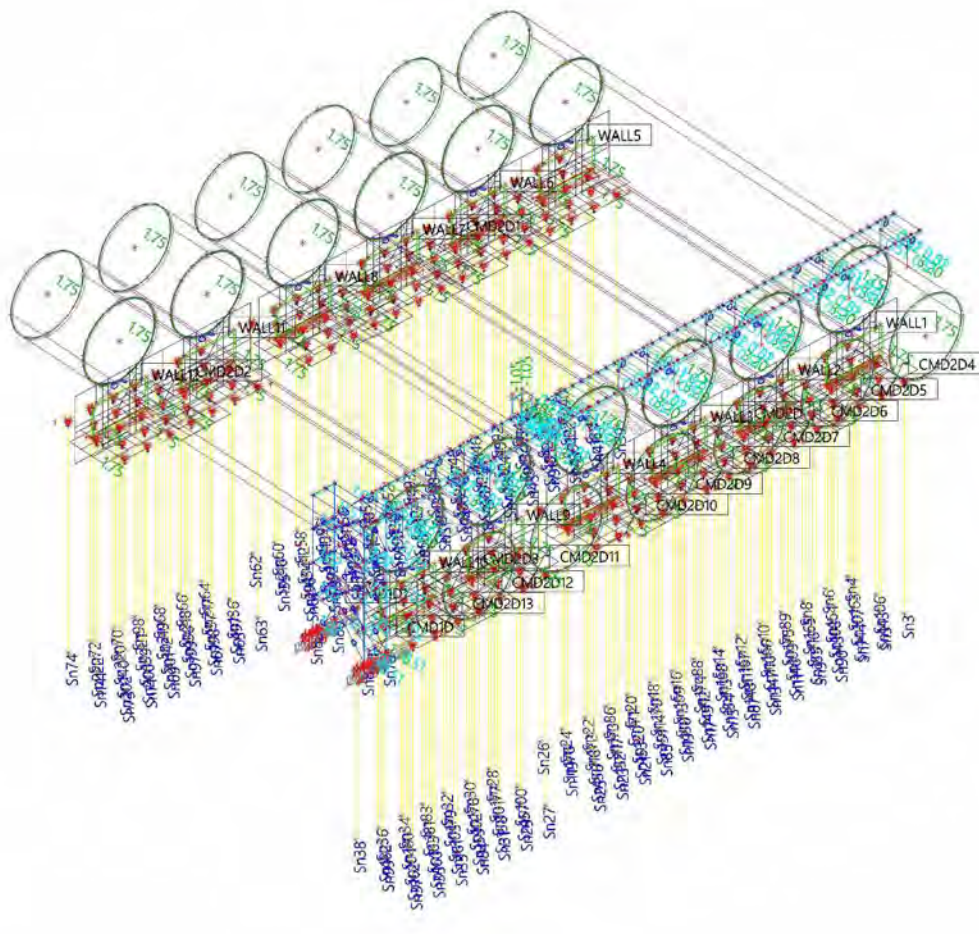
Name	Edge	Master	Slave	Hinge on master	Hinge on slave
RS451	1	K1575	Rand391	*	*
RS452	1	K1575	Rand392	*	*
RS453	1	K1577	Rand389	*	*
RS454	1	K1577	Rand390	*	*
RS455	1	K1579	Rand395	*	*
RS456	1	K1579	Rand396	*	*
RS457	1	K1603	Rand399	*	*
RS458	1	K1603	Rand400	*	*
RS459	1	K1561	Rand385	*	*
RS460	1	K1561	Rand386	*	*
RS461	1	K1555	Rand383	*	*
RS462	1	K1555	Rand384	*	*
RS463	1	K1549	Rand381	*	*
RS464	1	K1549	Rand382	*	*
RS465	1	K1597	Rand397	*	*
RS466	1	K1597	Rand398	*	*
RS467	1	K1609	Rand401	*	*
RS468	1	K1609	Rand402	*	*
RS469	1	K1611	Rand403	*	*
RS470	1	K1611	Rand404	*	*
RS471	1	K1613	Rand405	*	*
RS472	1	K1613	Rand406	*	*
RS473	1	K1627	Rand411	*	*
RS474	1	K1627	Rand412	*	*
RS475	1	K1629	Rand409	*	*
RS476	1	K1629	Rand410	*	*
RS477	1	K1631	Rand407	*	*
RS478	1	K1631	Rand408	*	*
RS479	1	K1633	Rand417	*	*
RS480	1	K1633	Rand418	*	*
RS481	1	K1635	Rand415	*	*
RS482	1	K1635	Rand416	*	*
RS483	1	K1637	Rand413	*	*
RS484	1	K1637	Rand414	*	*
RS485	1	K1639	Rand419	*	*
RS486	1	K1639	Rand420	*	*
RS487	1	K1687	Rand427	*	*
RS488	1	K1687	Rand428	*	*
RS489	1	K1693	Rand433	*	*
RS490	1	K1693	Rand434	*	*
RS491	1	K1695	Rand431	*	*
RS492	1	K1695	Rand432	*	*
RS493	1	K1697	Rand429	*	*
RS494	1	K1697	Rand430	*	*
RS495	1	K1699	Rand435	*	*
RS496	1	K1699	Rand436	*	*
RS497	1	K1723	Rand439	*	*
RS498	1	K1723	Rand440	*	*
RS499	1	K1681	Rand425	*	*
RS500	1	K1681	Rand426	*	*
RS501	1	K1675	Rand423	*	*
RS502	1	K1675	Rand424	*	*
RS503	1	K1669	Rand421	*	*
RS504	1	K1669	Rand422	*	*
RS505	1	K1717	Rand437	*	*
RS506	1	K1717	Rand438	*	*
RS507	1	K1729	Rand441	*	*
RS508	1	K1729	Rand442	*	*
RS509	1	K1731	Rand443	*	*
RS510	1	K1731	Rand444	*	*
RS511	1	K1733	Rand445	*	*
RS512	1	K1733	Rand446	*	*
RS513	1	K1747	Rand451	*	*
RS514	1	K1747	Rand452	*	*
RS515	1	K1749	Rand449	*	*
RS516	1	K1749	Rand450	*	*
RS517	1	K1751	Rand447	*	*
RS518	1	K1751	Rand448	*	*

Name	Edge	Master	Slave	Hinge on master	Hinge on slave
RS519	1	K1753	Rand457	*	*
RS520	1	K1753	Rand458	*	*
RS521	1	K1755	Rand455	*	*
RS522	1	K1755	Rand456	*	*
RS523	1	K1757	Rand453	*	*
RS524	1	K1757	Rand454	*	*
RS525	1	K1759	Rand459	*	*
RS526	1	K1759	Rand460	*	*
RS527	1	K1807	Rand467	*	*
RS528	1	K1807	Rand468	*	*
RS529	1	K1813	Rand473	*	*
RS530	1	K1813	Rand474	*	*
RS531	1	K1815	Rand471	*	*
RS532	1	K1815	Rand472	*	*
RS533	1	K1817	Rand469	*	*
RS534	1	K1817	Rand470	*	*
RS535	1	K1819	Rand475	*	*
RS536	1	K1819	Rand476	*	*
RS537	1	K1843	Rand479	*	*
RS538	1	K1843	Rand480	*	*
RS539	1	K1801	Rand465	*	*
RS540	1	K1801	Rand466	*	*
RS541	1	K1795	Rand463	*	*
RS542	1	K1795	Rand464	*	*
RS543	1	K1789	Rand461	*	*
RS544	1	K1789	Rand462	*	*
RS545	1	K1837	Rand477	*	*
RS546	1	K1837	Rand478	*	*
RS547	1	K1849	Rand481	*	*
RS548	1	K1849	Rand482	*	*
RS549	1	K1851	Rand483	*	*
RS550	1	K1851	Rand484	*	*
RS551	1	K1853	Rand485	*	*
RS552	1	K1853	Rand486	*	*
RS553	1	K1867	Rand491	*	*
RS554	1	K1867	Rand492	*	*
RS555	1	K1869	Rand489	*	*
RS556	1	K1869	Rand490	*	*
RS557	1	K1871	Rand487	*	*
RS558	1	K1871	Rand488	*	*
RS559	1	K1873	Rand497	*	*
RS560	1	K1873	Rand498	*	*
RS561	1	K1875	Rand495	*	*
RS562	1	K1875	Rand496	*	*
RS563	1	K1877	Rand493	*	*
RS564	1	K1877	Rand494	*	*
RS565	1	K1879	Rand499	*	*
RS566	1	K1879	Rand500	*	*
RS567	1	K1927	Rand507	*	*
RS568	1	K1927	Rand508	*	*
RS569	1	K1933	Rand513	*	*
RS570	1	K1933	Rand514	*	*
RS571	1	K1935	Rand511	*	*
RS572	1	K1935	Rand512	*	*
RS573	1	K1937	Rand509	*	*
RS574	1	K1937	Rand510	*	*
RS575	1	K1939	Rand515	*	*
RS576	1	K1939	Rand516	*	*
RS577	1	K1963	Rand519	*	*
RS578	1	K1963	Rand520	*	*
RS579	1	K1921	Rand505	*	*
RS580	1	K1921	Rand506	*	*
RS581	1	K1915	Rand503	*	*
RS582	1	K1915	Rand504	*	*
RS583	1	K1909	Rand501	*	*
RS584	1	K1909	Rand502	*	*
RS585	1	K1957	Rand517	*	*
RS586	1	K1957	Rand518	*	*

Name	Edge	Master	Slave	Hinge on master	Hinge on slave
RS587	1	K17	Rand290	*	*
RS588	1	K17	Rand292	*	*
RS589	1	K17	Rand289	*	*
RS590	1	K18	Rand292	*	*
RS591	1	K18	Rand290	*	*
RS592	1	K18	Rand291	*	*
RS593	1	K14	Rand285	*	*
RS594	1	K14	Rand287	*	*
RS595	1	K14	Rand288	*	*
RS596	1	K13	Rand285	*	*
RS597	1	K13	Rand286	*	*
RS598	1	K13	Rand287	*	*
RS599	1	K10	Rand281	*	*
RS600	1	K10	Rand283	*	*
RS601	1	K10	Rand284	*	*
RS602	1	K9	Rand281	*	*
RS603	1	K9	Rand283	*	*
RS604	1	K9	Rand282	*	*
RS605	1	K6	Rand278	*	*
RS606	1	K6	Rand280	*	*
RS607	1	K6	Rand277	*	*
RS608	1	K5	Rand278	*	*
RS609	1	K5	Rand280	*	*
RS610	1	K5	Rand279	*	*
RS611	1	K29	Rand322	*	*
RS612	1	K29	Rand324	*	*
RS613	1	K29	Rand321	*	*
RS614	1	K30	Rand322	*	*
RS615	1	K30	Rand323	*	*
RS616	1	K30	Rand324	*	*
RS617	1	K33	Rand309	*	*
RS618	1	K33	Rand311	*	*
RS619	1	K33	Rand310	*	*
RS620	1	K34	Rand309	*	*
RS621	1	K34	Rand311	*	*
RS622	1	K34	Rand312	*	*
RS623	1	K38	Rand314	*	*
RS624	1	K38	Rand316	*	*
RS625	1	K38	Rand315	*	*
RS626	1	K37	Rand314	*	*
RS627	1	K37	Rand316	*	*
RS628	1	K37	Rand313	*	*

2.3.5. Supports

2.3.5.1. Steunpunten



2.3.5.2. Nodal supports

Name Node	System User UCS	Type Angle [deg]	X Stiffness X [MN/m]	Y Stiffness Y [MN/m]	Z Stiffness Z [MN/m]	Rx Stiffness Rx [MNm/rad]	Ry Stiffness Ry [MNm/rad]	Rz Stiffness Rz [MNm/rad]
Sn1 K266	GCS	Standard	Rigid	Free	Rigid	Free	Free	Free
Sn2 K265	GCS	Standard	Rigid	Rigid	Rigid	Free	Free	Free
Sn3 K539	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn4 K541	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn5 K543	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn6 K545	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn7 K547	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn8 K549	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn9 K551	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn10 K553	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn11 K555	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn12	GCS	Standard	Free	Free	Nonlinear	Free	Free	Free

Name	System	Type	X	Y	Z	Rx	Ry	Rz
Node	User UCS	Angle [deg]	Stiffness X [MN/m]	Stiffness Y [MN/m]	Stiffness Z [MN/m]	Stiffness Rx [MNm/rad]	Stiffness Ry [MNm/rad]	Stiffness Rz [MNm/rad]
K557					3.9000e+01			
Sn13 K559	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn14 K561	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn15 K563	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn16 K565	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn17 K567	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn18 K569	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn19 K571	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn20 K573	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn21 K575	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn22 K577	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn23 K579	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn24 K581	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn25 K583	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn26 K585	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn27 K587	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn28 K589	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn29 K591	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn30 K593	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn31 K595	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn32 K597	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn33 K599	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn34 K601	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn35 K603	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn36 K605	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn37 K607	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn38 K609	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn39 K611	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn40 K613	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn41 K615	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn42 K617	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn43 K619	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn44 K621	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn45	GCS	Standard	Free	Free	Nonlinear	Free	Free	Free

Name Node	System User UCS	Type Angle [deg]	X Stiffness X [MN/m]	Y Stiffness Y [MN/m]	Z Stiffness Z [MN/m]	Rx Stiffness Rx [MNm/rad]	Ry Stiffness Ry [MNm/rad]	Rz Stiffness Rz [MNm/rad]
K623					3.9000e+01			
Sn46 K625	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn47 K627	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn48 K629	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn49 K631	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn50 K633	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn51 K635	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn52 K637	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn53 K639	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn54 K641	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn55 K643	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn56 K645	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn57 K647	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn58 K649	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn59 K651	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn60 K653	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn61 K655	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn62 K657	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn63 K659	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn64 K661	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn65 K663	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn66 K665	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn67 K667	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn68 K669	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn69 K671	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn70 K673	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn71 K675	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn72 K677	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn73 K679	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn74 K681	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn79 K251	GCS	Standard	Flexible 2.0000e+01	Flexible 2.0000e+01	Flexible 2.0000e+02	Free	Rigid	Free
Sn80 K252	GCS	Standard	Flexible 2.0000e+01	Flexible 2.0000e+01	Flexible 2.0000e+02	Free	Rigid	Free
Sn81 K253	GCS	Standard	Flexible 2.0000e+01	Flexible 2.0000e+01	Flexible 2.0000e+02	Free	Free	Free
Sn82	GCS	Standard	Flexible	Flexible	Flexible	Free	Free	Free

Name Node	System User UCS	Type Angle [deg]	X			Y			Z		
			Stiffness X [MN/m]	Stiffness Y [MN/m]	Stiffness Z [MN/m]	Stiffness Rx [MNm/rad]	Stiffness Ry [MNm/rad]	Stiffness Rz [MNm/rad]			
K254			2.0000e+01	2.0000e+01	2.0000e+02						
Sn83 K1124	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free	Free	Free	
Sn84 K1130	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free	Free	Free	
Sn85 K1136	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free	Free	Free	
Sn86 K1138	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free	Free	Free	
Sn87 K1148	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free	Free	Free	
Sn88 K1154	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free	Free	Free	
Sn89 K1160	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free	Free	Free	
Sn90 K1166	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free	Free	Free	
Sn91 K1172	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free	Free	Free	
Sn92 K1178	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free	Free	Free	
Sn93 K1184	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free	Free	Free	
Sn94 K1190	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free	Free	Free	
Sn95 K1196	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free	Free	Free	
Sn96 K1202	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free	Free	Free	
Sn97 K1208	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free	Free	Free	
Sn98 K1214	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free	Free	Free	
Sn99 K1220	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free	Free	Free	
Sn100 K1226	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free	Free	Free	
Sn101 K1228	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free	Free	Free	
Sn102 K1230	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free	Free	Free	
Sn103 K1232	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free	Free	Free	
Sn104 K1234	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free	Free	Free	
Sn105 K1256	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free	Free	Free	
Sn106 K1262	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free	Free	Free	
Sn107 K1264	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free	Free	Free	
Sn108 K1266	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free	Free	Free	
Sn109 K1268	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free	Free	Free	
Sn110 K1270	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free	Free	Free	
Sn111 K1272	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free	Free	Free	
Sn112 K1274	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free	Free	Free	
Sn113 K1276	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free	Free	Free	
Sn114 K1278	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free	Free	Free	
Sn115	GCS	Standard	Free	Free	Nonlinear	Free	Free	Free	Free	Free	

Name Node	System User UCS	Type Angle [deg]	X Stiffness X [MN/m]	Y Stiffness Y [MN/m]	Z Stiffness Z [MN/m]	Rx Stiffness Rx [MNm/rad]	Ry Stiffness Ry [MNm/rad]	Rz Stiffness Rz [MNm/rad]
K1316					3.9000e+01			
Sn116 K1322	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn117 K1328	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn118 K1330	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn119 K1332	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn120 K1346	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn121 K1352	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn122 K1354	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn123 K1356	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn124 K1370	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn125 K1372	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn126 K1374	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn127 K1376	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn128 K1378	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn129 K1380	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn130 K1406	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn131 K1412	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn132 K1418	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn133 K1424	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn134 K1426	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn135 K1428	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn136 K1442	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn137 K1444	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn138 K1446	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn139 K1448	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn140 K1450	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn141 K1452	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn142 K1478	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn143 K1488	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn144 K1490	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn145 K1492	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn146 K1506	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn147 K1508	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn148	GCS	Standard	Free	Free	Nonlinear	Free	Free	Free

Name Node	System User UCS	Type Angle [deg]	X Stiffness X [MN/m]	Y Stiffness Y [MN/m]	Z Stiffness Z [MN/m]	Rx Stiffness Rx [MNm/rad]	Ry Stiffness Ry [MNm/rad]	Rz Stiffness Rz [MNm/rad]
K1510					3.9000e+01			
Sn149 K1512	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn150 K1514	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn151 K1516	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn152 K1518	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn153 K1548	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn154 K1554	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn155 K1560	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn156 K1566	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn157 K1572	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn158 K1574	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn159 K1576	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn160 K1578	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn161 K1596	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn162 K1602	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn163 K1608	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn164 K1610	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn165 K1612	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn166 K1626	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn167 K1628	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn168 K1630	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn169 K1632	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn170 K1634	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn171 K1636	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn172 K1638	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn173 K1668	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn174 K1674	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn175 K1680	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn176 K1686	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn177 K1692	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn178 K1694	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn179 K1696	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn180 K1698	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn181	GCS	Standard	Free	Free	Nonlinear	Free	Free	Free

Name Node	System User UCS	Type Angle [deg]	X Stiffness X [MN/m]	Y Stiffness Y [MN/m]	Z Stiffness Z [MN/m]	Rx Stiffness Rx [MNm/rad]	Ry Stiffness Ry [MNm/rad]	Rz Stiffness Rz [MNm/rad]
K1716					3.9000e+01			
Sn182 K1722	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn183 K1728	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn184 K1730	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn185 K1732	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn186 K1746	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn187 K1748	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn188 K1750	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn189 K1752	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn190 K1754	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn191 K1756	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn192 K1758	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn193 K1788	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn194 K1794	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn195 K1800	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn196 K1806	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn197 K1812	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn198 K1814	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn199 K1816	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn200 K1818	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn201 K1836	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn202 K1842	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn203 K1848	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn204 K1850	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn205 K1852	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn206 K1866	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn207 K1868	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn208 K1870	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn209 K1872	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn210 K1874	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn211 K1876	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn212 K1878	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn213 K1908	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn214	GCS	Standard	Free	Free	Nonlinear	Free	Free	Free

Name Node	System User UCS	Type Angle [deg]	X Stiffness X [MN/m]	Y Stiffness Y [MN/m]	Z Stiffness Z [MN/m]	Rx Stiffness Rx [MNm/rad]	Ry Stiffness Ry [MNm/rad]	Rz Stiffness Rz [MNm/rad]
K1914					3.9000e+01			
Sn215 K1920	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn216 K1926	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn217 K1932	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn218 K1934	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn219 K1936	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn220 K1938	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn221 K1956	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free
Sn222 K1962	GCS	Standard	Free	Free	Nonlinear 3.9000e+01	Free	Free	Free

2.3.5.3. Line supports on member

Name	Type	Member System	Pos x1 [m] Pos x2 [m]	Coor Orig	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
Slb1	Line	S263 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb2	Line	S264 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb3	Line	S265 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb4	Line	S266 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb5	Line	S267 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb6	Line	S268 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb7	Line	S269 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb8	Line	S270 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb9	Line	S271 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb10	Line	S272 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb11	Line	S273 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb12	Line	S274 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb13	Line	S275 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb14	Line	S276 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb15	Line	S277 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb16	Line	S278 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb17	Line	S279 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb18	Line	S280 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb19	Line	S281 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb20	Line	S282 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb21	Line	S283 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb22	Line	S284 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb23	Line	S285 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb24	Line	S286 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb25	Line	S287 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb26	Line	S288 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb27	Line	S289 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb28	Line	S290 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb29	Line	S291 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb30	Line	S292 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb31	Line	S293 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb32	Line	S294 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb33	Line	S295 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb34	Line	S296 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb35	Line	S297 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb36	Line	S298 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb37	Line	S299 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb38	Line	S300 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb39	Line	S301 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb40	Line	S302 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb41	Line	S303 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb42	Line	S304 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb43	Line	S305 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb44	Line	S306 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb45	Line	S307 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb46	Line	S308 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb47	Line	S309 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb48	Line	S310 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb49	Line	S311 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb50	Line	S312 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb51	Line	S313 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb52	Line	S314 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb53	Line	S315 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb54	Line	S316	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	1.020	From end								
Slb55	Line	S317	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb56	Line	S318	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb57	Line	S319	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb58	Line	S320	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb59	Line	S321	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb60	Line	S322	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb61	Line	S323	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb62	Line	S324	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb63	Line	S325	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb64	Line	S326	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb65	Line	S327	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb66	Line	S328	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb67	Line	S329	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb68	Line	S330	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb69	Line	S331	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb70	Line	S332	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb71	Line	S333	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb72	Line	S334	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb73	Line	S263	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb74	Line	S264	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb75	Line	S265	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb76	Line	S266	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb77	Line	S267	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb78	Line	S268	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb79	Line	S269	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb80	Line	S270	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb81	Line	S271	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb82	Line	S272	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb83	Line	S273	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb84	Line	S274	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb85	Line	S275	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb86	Line	S276	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb87	Line	S277 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb88	Line	S278 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb89	Line	S279 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb90	Line	S280 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb91	Line	S281 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb92	Line	S282 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb93	Line	S283 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb94	Line	S284 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb95	Line	S285 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb96	Line	S286 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb97	Line	S287 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb98	Line	S288 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb99	Line	S289 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb100	Line	S290 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb101	Line	S291 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb102	Line	S292 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb103	Line	S293 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb104	Line	S294 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb105	Line	S295 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb106	Line	S296 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb107	Line	S297 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb108	Line	S298 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb109	Line	S299 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb110	Line	S300 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb111	Line	S301 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb112	Line	S302 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb113	Line	S303 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb114	Line	S304 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb115	Line	S305 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb116	Line	S306 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb117	Line	S307 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb118	Line	S308 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb119	Line	S309	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	1.300	From end								
Slb120	Line	S310	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb121	Line	S311	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb122	Line	S312	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb123	Line	S313	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb124	Line	S314	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb125	Line	S315	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb126	Line	S316	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb127	Line	S317	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb128	Line	S318	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb129	Line	S319	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb130	Line	S320	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb131	Line	S321	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb132	Line	S322	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb133	Line	S323	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb134	Line	S324	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb135	Line	S325	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb136	Line	S326	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb137	Line	S327	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb138	Line	S328	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb139	Line	S329	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb140	Line	S330	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb141	Line	S331	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb142	Line	S332	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb143	Line	S333	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb144	Line	S334	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb145	Line	S263	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb146	Line	S264	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb147	Line	S265	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb148	Line	S266	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb149	Line	S267	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb150	Line	S268	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb151	Line	S269	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb152	Line	S270 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb153	Line	S271 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb154	Line	S272 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb155	Line	S273 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb156	Line	S274 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb157	Line	S275 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb158	Line	S276 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb159	Line	S277 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb160	Line	S278 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb161	Line	S279 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb162	Line	S280 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb163	Line	S281 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb164	Line	S282 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb165	Line	S283 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb166	Line	S284 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb167	Line	S285 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb168	Line	S286 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb169	Line	S287 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb170	Line	S288 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb171	Line	S289 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb172	Line	S290 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb173	Line	S291 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb174	Line	S292 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb175	Line	S293 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb176	Line	S294 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb177	Line	S295 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb178	Line	S296 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb179	Line	S297 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb180	Line	S298 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb181	Line	S299 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb182	Line	S300 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb183	Line	S301 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb184	Line	S302	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	1.460	From end								
Slb185	Line	S303	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb186	Line	S304	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb187	Line	S305	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb188	Line	S306	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb189	Line	S307	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb190	Line	S308	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb191	Line	S309	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb192	Line	S310	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb193	Line	S311	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb194	Line	S312	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb195	Line	S313	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb196	Line	S314	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb197	Line	S315	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb198	Line	S316	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb199	Line	S317	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb200	Line	S318	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb201	Line	S319	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb202	Line	S320	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb203	Line	S321	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb204	Line	S322	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb205	Line	S323	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb206	Line	S324	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb207	Line	S325	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb208	Line	S326	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb209	Line	S327	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb210	Line	S328	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb211	Line	S329	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb212	Line	S330	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb213	Line	S331	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb214	Line	S332	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb215	Line	S333	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb216	Line	S334	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb217	Line	S263 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb218	Line	S264 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb219	Line	S265 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb220	Line	S266 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb221	Line	S267 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb222	Line	S268 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb223	Line	S269 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb224	Line	S270 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb225	Line	S271 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb226	Line	S272 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb227	Line	S273 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb228	Line	S274 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb229	Line	S275 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb230	Line	S276 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb231	Line	S277 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb232	Line	S278 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb233	Line	S279 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb234	Line	S280 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb235	Line	S281 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb236	Line	S282 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb237	Line	S283 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb238	Line	S284 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb239	Line	S285 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb240	Line	S286 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb241	Line	S287 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb242	Line	S288 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb243	Line	S289 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb244	Line	S290 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb245	Line	S291 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb246	Line	S292 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb247	Line	S293 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb248	Line	S294 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb249	Line	S295	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	1.500	From end								
Slb250	Line	S296	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb251	Line	S297	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb252	Line	S298	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb253	Line	S299	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb254	Line	S300	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb255	Line	S301	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb256	Line	S302	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb257	Line	S303	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb258	Line	S304	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb259	Line	S305	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb260	Line	S306	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb261	Line	S307	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb262	Line	S308	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb263	Line	S309	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb264	Line	S310	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb265	Line	S311	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb266	Line	S312	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb267	Line	S313	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb268	Line	S314	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb269	Line	S315	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb270	Line	S316	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb271	Line	S317	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb272	Line	S318	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb273	Line	S319	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb274	Line	S320	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb275	Line	S321	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb276	Line	S322	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb277	Line	S323	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb278	Line	S324	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb279	Line	S325	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb280	Line	S326	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb281	Line	S327	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb282	Line	S328 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb283	Line	S329 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb284	Line	S330 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb285	Line	S331 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb286	Line	S332 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb287	Line	S333 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb288	Line	S334 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb289	Line	S263 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb290	Line	S264 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb291	Line	S265 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb292	Line	S266 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb293	Line	S267 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb294	Line	S268 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb295	Line	S269 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb296	Line	S270 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb297	Line	S271 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb298	Line	S272 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb299	Line	S273 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb300	Line	S274 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb301	Line	S275 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb302	Line	S276 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb303	Line	S277 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb304	Line	S278 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb305	Line	S279 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb306	Line	S280 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb307	Line	S281 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb308	Line	S282 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb309	Line	S283 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb310	Line	S284 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb311	Line	S285 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb312	Line	S286 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb313	Line	S287 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb314	Line	S288	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	1.680	From end								
Slb315	Line	S289	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb316	Line	S290	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb317	Line	S291	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb318	Line	S292	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb319	Line	S293	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb320	Line	S294	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb321	Line	S295	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb322	Line	S296	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb323	Line	S297	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb324	Line	S298	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb325	Line	S299	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb326	Line	S300	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb327	Line	S301	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb328	Line	S302	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb329	Line	S303	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb330	Line	S304	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb331	Line	S305	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb332	Line	S306	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb333	Line	S307	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb334	Line	S308	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb335	Line	S309	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb336	Line	S310	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb337	Line	S311	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb338	Line	S312	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb339	Line	S313	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb340	Line	S314	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb341	Line	S315	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb342	Line	S316	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb343	Line	S317	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb344	Line	S318	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb345	Line	S319	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb346	Line	S320	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb347	Line	S321 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb348	Line	S322 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb349	Line	S323 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb350	Line	S324 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb351	Line	S325 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb352	Line	S326 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb353	Line	S327 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb354	Line	S328 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb355	Line	S329 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb356	Line	S330 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb357	Line	S331 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb358	Line	S332 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb359	Line	S333 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb360	Line	S334 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb361	Line	S263 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb362	Line	S264 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb363	Line	S265 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb364	Line	S266 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb365	Line	S267 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb366	Line	S268 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb367	Line	S269 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb368	Line	S270 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb369	Line	S271 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb370	Line	S272 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb371	Line	S273 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb372	Line	S274 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb373	Line	S275 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb374	Line	S276 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb375	Line	S277 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb376	Line	S278 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb377	Line	S279 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb378	Line	S280 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb379	Line	S281	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	2.100	From end								
Slb380	Line	S282	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb381	Line	S283	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb382	Line	S284	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb383	Line	S285	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb384	Line	S286	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb385	Line	S287	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb386	Line	S288	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb387	Line	S289	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb388	Line	S290	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb389	Line	S291	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb390	Line	S292	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb391	Line	S293	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb392	Line	S294	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb393	Line	S295	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb394	Line	S296	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb395	Line	S297	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb396	Line	S298	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb397	Line	S299	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb398	Line	S300	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb399	Line	S301	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb400	Line	S302	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb401	Line	S303	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb402	Line	S304	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb403	Line	S305	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb404	Line	S306	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb405	Line	S307	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb406	Line	S308	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb407	Line	S309	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb408	Line	S310	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb409	Line	S311	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb410	Line	S312	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb411	Line	S313	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb412	Line	S314 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb413	Line	S315 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb414	Line	S316 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb415	Line	S317 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb416	Line	S318 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb417	Line	S319 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb418	Line	S320 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb419	Line	S321 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb420	Line	S322 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb421	Line	S323 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb422	Line	S324 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb423	Line	S325 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb424	Line	S326 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb425	Line	S327 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb426	Line	S328 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb427	Line	S329 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb428	Line	S330 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb429	Line	S331 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb430	Line	S332 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb431	Line	S333 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb432	Line	S334 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb433	Line	S263 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb434	Line	S264 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb435	Line	S265 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb436	Line	S266 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb437	Line	S267 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb438	Line	S268 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb439	Line	S269 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb440	Line	S270 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb441	Line	S271 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb442	Line	S272 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb443	Line	S273 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb444	Line	S274	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	2.720	From end								
Slb445	Line	S275	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb446	Line	S276	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb447	Line	S277	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb448	Line	S278	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb449	Line	S279	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb450	Line	S280	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb451	Line	S281	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb452	Line	S282	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb453	Line	S283	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb454	Line	S284	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb455	Line	S285	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb456	Line	S286	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb457	Line	S287	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb458	Line	S288	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb459	Line	S289	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb460	Line	S290	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb461	Line	S291	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb462	Line	S292	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb463	Line	S293	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb464	Line	S294	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb465	Line	S295	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb466	Line	S296	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb467	Line	S297	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb468	Line	S298	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb469	Line	S299	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb470	Line	S300	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb471	Line	S301	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb472	Line	S302	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb473	Line	S303	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb474	Line	S304	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb475	Line	S305	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb476	Line	S306	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb477	Line	S307 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb478	Line	S308 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb479	Line	S309 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb480	Line	S310 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb481	Line	S311 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb482	Line	S312 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb483	Line	S313 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb484	Line	S314 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb485	Line	S315 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb486	Line	S316 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb487	Line	S317 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb488	Line	S318 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb489	Line	S319 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb490	Line	S320 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb491	Line	S321 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb492	Line	S322 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb493	Line	S323 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb494	Line	S324 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb495	Line	S325 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb496	Line	S326 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb497	Line	S327 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb498	Line	S328 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb499	Line	S329 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb500	Line	S330 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb501	Line	S331 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb502	Line	S332 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb503	Line	S333 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb504	Line	S334 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb505	Line	S263 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb506	Line	S264 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb507	Line	S265 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb508	Line	S266 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb509	Line	S267	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	3.080	From end								
Slb510	Line	S268	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb511	Line	S269	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb512	Line	S270	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb513	Line	S271	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb514	Line	S272	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb515	Line	S273	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb516	Line	S274	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb517	Line	S275	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb518	Line	S276	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb519	Line	S277	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb520	Line	S278	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb521	Line	S279	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb522	Line	S280	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb523	Line	S281	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb524	Line	S282	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb525	Line	S283	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb526	Line	S284	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb527	Line	S285	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb528	Line	S286	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb529	Line	S287	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb530	Line	S288	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb531	Line	S289	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb532	Line	S290	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb533	Line	S291	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb534	Line	S292	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb535	Line	S293	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb536	Line	S294	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb537	Line	S295	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb538	Line	S296	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb539	Line	S297	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb540	Line	S298	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb541	Line	S299	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb542	Line	S300 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb543	Line	S301 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb544	Line	S302 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb545	Line	S303 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb546	Line	S304 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb547	Line	S305 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb548	Line	S306 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb549	Line	S307 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb550	Line	S308 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb551	Line	S309 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb552	Line	S310 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb553	Line	S311 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb554	Line	S312 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb555	Line	S313 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb556	Line	S314 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb557	Line	S315 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb558	Line	S316 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb559	Line	S317 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb560	Line	S318 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb561	Line	S319 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb562	Line	S320 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb563	Line	S321 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb564	Line	S322 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb565	Line	S323 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb566	Line	S324 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb567	Line	S325 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb568	Line	S326 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb569	Line	S327 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb570	Line	S328 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb571	Line	S329 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb572	Line	S330 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb573	Line	S331 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb574	Line	S332	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	3.080	From end								
Slb575	Line	S333	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb576	Line	S334	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb577	Line	S263	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb578	Line	S264	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb579	Line	S265	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb580	Line	S266	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb581	Line	S267	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb582	Line	S268	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb583	Line	S269	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb584	Line	S270	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb585	Line	S271	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb586	Line	S272	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb587	Line	S273	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb588	Line	S274	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb589	Line	S275	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb590	Line	S276	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb591	Line	S277	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb592	Line	S278	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb593	Line	S279	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb594	Line	S280	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb595	Line	S281	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb596	Line	S282	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb597	Line	S283	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb598	Line	S284	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb599	Line	S285	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb600	Line	S286	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb601	Line	S287	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb602	Line	S288	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb603	Line	S289	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb604	Line	S290	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb605	Line	S291	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb606	Line	S292	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb607	Line	S293 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb608	Line	S294 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb609	Line	S295 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb610	Line	S296 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb611	Line	S297 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb612	Line	S298 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb613	Line	S299 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb614	Line	S300 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb615	Line	S301 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb616	Line	S302 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb617	Line	S303 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb618	Line	S304 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb619	Line	S305 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb620	Line	S306 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb621	Line	S307 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb622	Line	S308 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb623	Line	S309 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb624	Line	S310 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb625	Line	S311 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb626	Line	S312 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb627	Line	S313 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb628	Line	S314 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb629	Line	S315 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb630	Line	S316 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb631	Line	S317 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb632	Line	S318 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb633	Line	S319 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb634	Line	S320 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb635	Line	S321 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb636	Line	S322 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb637	Line	S323 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb638	Line	S324 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb639	Line	S325	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	3.320	From end								
Slb640	Line	S326	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb641	Line	S327	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb642	Line	S328	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb643	Line	S329	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb644	Line	S330	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb645	Line	S331	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb646	Line	S332	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb647	Line	S333	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb648	Line	S334	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb649	Line	S263	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb650	Line	S264	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb651	Line	S265	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb652	Line	S266	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb653	Line	S267	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb654	Line	S268	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb655	Line	S269	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb656	Line	S270	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb657	Line	S271	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb658	Line	S272	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb659	Line	S273	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb660	Line	S274	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb661	Line	S275	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb662	Line	S276	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb663	Line	S277	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb664	Line	S278	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb665	Line	S279	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb666	Line	S280	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb667	Line	S281	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb668	Line	S282	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb669	Line	S283	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb670	Line	S284	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb671	Line	S285	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb672	Line	S286 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb673	Line	S287 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb674	Line	S288 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb675	Line	S289 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb676	Line	S290 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb677	Line	S291 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb678	Line	S292 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb679	Line	S293 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb680	Line	S294 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb681	Line	S295 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb682	Line	S296 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb683	Line	S297 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb684	Line	S298 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb685	Line	S299 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb686	Line	S300 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb687	Line	S301 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb688	Line	S302 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb689	Line	S303 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb690	Line	S304 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb691	Line	S305 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb692	Line	S306 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb693	Line	S307 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb694	Line	S308 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb695	Line	S309 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb696	Line	S310 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb697	Line	S311 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb698	Line	S312 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb699	Line	S313 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb700	Line	S314 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb701	Line	S315 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb702	Line	S316 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb703	Line	S317 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb704	Line	S318	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	4.120	From end								
Slb705	Line	S319	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb706	Line	S320	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb707	Line	S321	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb708	Line	S322	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb709	Line	S323	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb710	Line	S324	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb711	Line	S325	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb712	Line	S326	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb713	Line	S327	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb714	Line	S328	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb715	Line	S329	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb716	Line	S330	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb717	Line	S331	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb718	Line	S332	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb719	Line	S333	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb720	Line	S334	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb721	Line	S263	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb722	Line	S264	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb723	Line	S265	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb724	Line	S266	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb725	Line	S267	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb726	Line	S268	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb727	Line	S269	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb728	Line	S270	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb729	Line	S271	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb730	Line	S272	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb731	Line	S273	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb732	Line	S274	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb733	Line	S275	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb734	Line	S276	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb735	Line	S277	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb736	Line	S278	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb737	Line	S279 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb738	Line	S280 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb739	Line	S281 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb740	Line	S282 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb741	Line	S283 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb742	Line	S284 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb743	Line	S285 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb744	Line	S286 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb745	Line	S287 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb746	Line	S288 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb747	Line	S289 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb748	Line	S290 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb749	Line	S291 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb750	Line	S292 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb751	Line	S293 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb752	Line	S294 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb753	Line	S295 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb754	Line	S296 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb755	Line	S297 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb756	Line	S298 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb757	Line	S299 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb758	Line	S300 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb759	Line	S301 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb760	Line	S302 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb761	Line	S303 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb762	Line	S304 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb763	Line	S305 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb764	Line	S306 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb765	Line	S307 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb766	Line	S308 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb767	Line	S309 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb768	Line	S310 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb769	Line	S311	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	5.480	From end								
Slb770	Line	S312	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb771	Line	S313	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb772	Line	S314	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb773	Line	S315	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb774	Line	S316	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb775	Line	S317	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb776	Line	S318	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb777	Line	S319	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb778	Line	S320	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb779	Line	S321	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb780	Line	S322	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb781	Line	S323	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb782	Line	S324	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb783	Line	S325	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb784	Line	S326	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb785	Line	S327	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb786	Line	S328	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb787	Line	S329	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb788	Line	S330	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb789	Line	S331	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb790	Line	S332	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb791	Line	S333	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb792	Line	S334	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb793	Line	S263	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb794	Line	S264	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb795	Line	S265	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb796	Line	S266	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb797	Line	S267	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb798	Line	S268	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb799	Line	S269	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb800	Line	S270	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb801	Line	S271	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb802	Line	S272 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb803	Line	S273 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb804	Line	S274 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb805	Line	S275 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb806	Line	S276 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb807	Line	S277 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb808	Line	S278 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb809	Line	S279 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb810	Line	S280 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb811	Line	S281 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb812	Line	S282 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb813	Line	S283 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb814	Line	S284 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb815	Line	S285 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb816	Line	S286 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb817	Line	S287 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb818	Line	S288 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb819	Line	S289 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb820	Line	S290 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb821	Line	S291 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb822	Line	S292 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb823	Line	S293 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb824	Line	S294 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb825	Line	S295 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb826	Line	S296 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb827	Line	S297 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb828	Line	S298 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb829	Line	S299 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb830	Line	S300 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb831	Line	S301 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb832	Line	S302 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb833	Line	S303 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb834	Line	S304	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	7.120	From end								
Slb835	Line	S305	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb836	Line	S306	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb837	Line	S307	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb838	Line	S308	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb839	Line	S309	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb840	Line	S310	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb841	Line	S311	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb842	Line	S312	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb843	Line	S313	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb844	Line	S314	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb845	Line	S315	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb846	Line	S316	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb847	Line	S317	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb848	Line	S318	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb849	Line	S319	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb850	Line	S320	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb851	Line	S321	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb852	Line	S322	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb853	Line	S323	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb854	Line	S324	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb855	Line	S325	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb856	Line	S326	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb857	Line	S327	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb858	Line	S328	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb859	Line	S329	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb860	Line	S330	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb861	Line	S331	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb862	Line	S332	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb863	Line	S333	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb864	Line	S334	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb865	Line	S263	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb866	Line	S264	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb867	Line	S265 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb868	Line	S266 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb869	Line	S267 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb870	Line	S268 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb871	Line	S269 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb872	Line	S270 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb873	Line	S271 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb874	Line	S272 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb875	Line	S273 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb876	Line	S274 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb877	Line	S275 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb878	Line	S276 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb879	Line	S277 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb880	Line	S278 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb881	Line	S279 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb882	Line	S280 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb883	Line	S281 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb884	Line	S282 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb885	Line	S283 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb886	Line	S284 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb887	Line	S285 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb888	Line	S286 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb889	Line	S287 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb890	Line	S288 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb891	Line	S289 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb892	Line	S290 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb893	Line	S291 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb894	Line	S292 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb895	Line	S293 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb896	Line	S294 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb897	Line	S295 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb898	Line	S296 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb899	Line	S297	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	7.820	From end								
Slb900	Line	S298	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb901	Line	S299	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb902	Line	S300	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb903	Line	S301	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb904	Line	S302	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb905	Line	S303	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb906	Line	S304	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb907	Line	S305	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb908	Line	S306	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb909	Line	S307	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb910	Line	S308	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb911	Line	S309	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb912	Line	S310	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb913	Line	S311	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb914	Line	S312	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb915	Line	S313	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb916	Line	S314	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb917	Line	S315	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb918	Line	S316	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb919	Line	S317	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb920	Line	S318	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb921	Line	S319	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb922	Line	S320	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb923	Line	S321	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb924	Line	S322	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb925	Line	S323	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb926	Line	S324	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb927	Line	S325	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb928	Line	S326	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb929	Line	S327	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb930	Line	S328	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb931	Line	S329	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb932	Line	S330 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb933	Line	S331 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb934	Line	S332 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb935	Line	S333 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb936	Line	S334 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb937	Line	S263 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb938	Line	S264 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb939	Line	S265 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb940	Line	S266 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb941	Line	S267 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb942	Line	S268 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb943	Line	S269 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb944	Line	S270 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb945	Line	S271 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb946	Line	S272 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb947	Line	S273 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb948	Line	S274 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb949	Line	S275 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb950	Line	S276 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb951	Line	S277 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb952	Line	S278 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb953	Line	S279 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb954	Line	S280 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb955	Line	S281 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb956	Line	S282 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb957	Line	S283 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb958	Line	S284 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb959	Line	S285 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb960	Line	S286 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb961	Line	S287 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb962	Line	S288 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb963	Line	S289 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb964	Line	S290	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	7.880	From end								
Slb965	Line	S291	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb966	Line	S292	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb967	Line	S293	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb968	Line	S294	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb969	Line	S295	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb970	Line	S296	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb971	Line	S297	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb972	Line	S298	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb973	Line	S299	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb974	Line	S300	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb975	Line	S301	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb976	Line	S302	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb977	Line	S303	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb978	Line	S304	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb979	Line	S305	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb980	Line	S306	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb981	Line	S307	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb982	Line	S308	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb983	Line	S309	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb984	Line	S310	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb985	Line	S311	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb986	Line	S312	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb987	Line	S313	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb988	Line	S314	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb989	Line	S315	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb990	Line	S316	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb991	Line	S317	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb992	Line	S318	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb993	Line	S319	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb994	Line	S320	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb995	Line	S321	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb996	Line	S322	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
S1b997	Line	S323 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
S1b998	Line	S324 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
S1b999	Line	S325 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
S1b1000	Line	S326 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
S1b1001	Line	S327 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
S1b1002	Line	S328 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
S1b1003	Line	S329 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
S1b1004	Line	S330 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
S1b1005	Line	S331 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
S1b1006	Line	S332 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
S1b1007	Line	S333 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
S1b1008	Line	S334 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
S1b1009	Line	S263 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
S1b1010	Line	S264 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
S1b1011	Line	S265 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
S1b1012	Line	S266 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
S1b1013	Line	S267 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
S1b1014	Line	S268 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
S1b1015	Line	S269 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
S1b1016	Line	S270 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
S1b1017	Line	S271 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
S1b1018	Line	S272 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
S1b1019	Line	S273 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
S1b1020	Line	S274 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
S1b1021	Line	S275 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
S1b1022	Line	S276 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
S1b1023	Line	S277 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
S1b1024	Line	S278 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
S1b1025	Line	S279 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
S1b1026	Line	S280 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
S1b1027	Line	S281 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
S1b1028	Line	S282 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
S1b1029	Line	S283	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	8.200	From end								
Slb1030	Line	S284	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb1031	Line	S285	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb1032	Line	S286	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb1033	Line	S287	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb1034	Line	S288	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb1035	Line	S289	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb1036	Line	S290	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb1037	Line	S291	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb1038	Line	S292	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb1039	Line	S293	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb1040	Line	S294	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb1041	Line	S295	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb1042	Line	S296	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb1043	Line	S297	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb1044	Line	S298	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb1045	Line	S299	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb1046	Line	S300	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb1047	Line	S301	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb1048	Line	S302	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb1049	Line	S303	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb1050	Line	S304	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb1051	Line	S305	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb1052	Line	S306	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb1053	Line	S307	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb1054	Line	S308	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb1055	Line	S309	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb1056	Line	S310	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb1057	Line	S311	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb1058	Line	S312	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb1059	Line	S313	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb1060	Line	S314	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb1061	Line	S315	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb1062	Line	S316 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb1063	Line	S317 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb1064	Line	S318 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb1065	Line	S319 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb1066	Line	S320 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb1067	Line	S321 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb1068	Line	S322 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb1069	Line	S323 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb1070	Line	S324 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb1071	Line	S325 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb1072	Line	S326 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb1073	Line	S327 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb1074	Line	S328 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb1075	Line	S329 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb1076	Line	S330 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb1077	Line	S331 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb1078	Line	S332 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb1079	Line	S333 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb1080	Line	S334 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb1081	Line	S263 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb1082	Line	S264 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb1083	Line	S265 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb1084	Line	S266 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb1085	Line	S267 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb1086	Line	S268 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb1087	Line	S269 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb1088	Line	S270 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb1089	Line	S271 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb1090	Line	S272 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb1091	Line	S273 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb1092	Line	S274 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb1093	Line	S275 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb1094	Line	S276	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	8.560	From end								
Slb1095	Line	S277	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb1096	Line	S278	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb1097	Line	S279	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb1098	Line	S280	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb1099	Line	S281	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb1100	Line	S282	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb1101	Line	S283	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb1102	Line	S284	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb1103	Line	S285	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb1104	Line	S286	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb1105	Line	S287	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb1106	Line	S288	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb1107	Line	S289	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb1108	Line	S290	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb1109	Line	S291	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb1110	Line	S292	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb1111	Line	S293	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb1112	Line	S294	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb1113	Line	S295	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb1114	Line	S296	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb1115	Line	S297	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb1116	Line	S298	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb1117	Line	S299	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb1118	Line	S300	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb1119	Line	S301	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb1120	Line	S302	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb1121	Line	S303	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb1122	Line	S304	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb1123	Line	S305	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb1124	Line	S306	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb1125	Line	S307	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb1126	Line	S308	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb1127	Line	S309 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb1128	Line	S310 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb1129	Line	S311 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb1130	Line	S312 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb1131	Line	S313 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb1132	Line	S314 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb1133	Line	S315 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb1134	Line	S316 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb1135	Line	S317 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb1136	Line	S318 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb1137	Line	S319 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb1138	Line	S320 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb1139	Line	S321 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb1140	Line	S322 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb1141	Line	S323 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb1142	Line	S324 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb1143	Line	S325 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb1144	Line	S326 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb1145	Line	S327 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb1146	Line	S328 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb1147	Line	S329 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb1148	Line	S330 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb1149	Line	S331 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb1150	Line	S332 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb1151	Line	S333 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb1152	Line	S334 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb1153	Line	S263 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb1154	Line	S264 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb1155	Line	S265 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb1156	Line	S266 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb1157	Line	S267 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb1158	Line	S268 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb1159	Line	S269	8.560	Abso	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	10.500	From end								
Slb1160	Line	S270 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb1161	Line	S271 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb1162	Line	S272 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb1163	Line	S273 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb1164	Line	S274 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb1165	Line	S275 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb1166	Line	S276 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb1167	Line	S277 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb1168	Line	S278 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb1169	Line	S279 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb1170	Line	S280 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb1171	Line	S281 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb1172	Line	S282 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb1173	Line	S283 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb1174	Line	S284 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb1175	Line	S285 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb1176	Line	S286 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb1177	Line	S287 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb1178	Line	S288 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb1179	Line	S289 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb1180	Line	S290 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb1181	Line	S291 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb1182	Line	S292 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb1183	Line	S293 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb1184	Line	S294 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb1185	Line	S295 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb1186	Line	S296 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb1187	Line	S297 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb1188	Line	S298 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb1189	Line	S299 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb1190	Line	S300 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb1191	Line	S301 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb1192	Line	S302 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb1193	Line	S303 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb1194	Line	S304 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb1195	Line	S305 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb1196	Line	S306 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb1197	Line	S307 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb1198	Line	S308 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb1199	Line	S309 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb1200	Line	S310 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb1201	Line	S311 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb1202	Line	S312 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb1203	Line	S313 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb1204	Line	S314 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb1205	Line	S315 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb1206	Line	S316 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb1207	Line	S317 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb1208	Line	S318 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb1209	Line	S319 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb1210	Line	S320 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb1211	Line	S321 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb1212	Line	S322 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb1213	Line	S323 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb1214	Line	S324 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb1215	Line	S325 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb1216	Line	S326 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb1217	Line	S327 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb1218	Line	S328 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb1219	Line	S329 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb1220	Line	S330 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb1221	Line	S331 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb1222	Line	S332 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb1223	Line	S333 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb1224	Line	S334	8.560	Abso	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	10.500	From end								
Slb1225	Line	S263	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb1226	Line	S264	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb1227	Line	S265	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb1228	Line	S266	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb1229	Line	S267	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb1230	Line	S268	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb1231	Line	S269	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb1232	Line	S270	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb1233	Line	S271	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb1234	Line	S272	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb1235	Line	S273	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb1236	Line	S274	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb1237	Line	S275	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb1238	Line	S276	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb1239	Line	S277	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb1240	Line	S278	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb1241	Line	S279	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb1242	Line	S280	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb1243	Line	S281	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb1244	Line	S282	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb1245	Line	S283	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb1246	Line	S284	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb1247	Line	S285	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb1248	Line	S286	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb1249	Line	S287	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb1250	Line	S288	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb1251	Line	S289	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb1252	Line	S290	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb1253	Line	S291	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb1254	Line	S292	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb1255	Line	S293	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb1256	Line	S294	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb1257	Line	S295 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb1258	Line	S296 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb1259	Line	S297 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb1260	Line	S298 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb1261	Line	S299 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb1262	Line	S300 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb1263	Line	S301 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb1264	Line	S302 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb1265	Line	S303 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb1266	Line	S304 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb1267	Line	S305 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb1268	Line	S306 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb1269	Line	S307 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb1270	Line	S308 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb1271	Line	S309 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb1272	Line	S310 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb1273	Line	S311 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb1274	Line	S312 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb1275	Line	S313 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb1276	Line	S314 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb1277	Line	S315 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb1278	Line	S316 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb1279	Line	S317 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb1280	Line	S318 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb1281	Line	S319 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb1282	Line	S320 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb1283	Line	S321 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb1284	Line	S322 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb1285	Line	S323 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb1286	Line	S324 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb1287	Line	S325 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb1288	Line	S326 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb1289	Line	S327	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	10.780	From end								
Slb1290	Line	S328	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb1291	Line	S329	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb1292	Line	S330	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb1293	Line	S331	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb1294	Line	S332	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb1295	Line	S333	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb1296	Line	S334	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb1297	Line	S263	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb1298	Line	S264	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb1299	Line	S265	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb1300	Line	S266	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb1301	Line	S267	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb1302	Line	S268	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb1303	Line	S269	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb1304	Line	S270	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb1305	Line	S271	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb1306	Line	S272	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb1307	Line	S273	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb1308	Line	S274	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb1309	Line	S275	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb1310	Line	S276	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb1311	Line	S277	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb1312	Line	S278	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb1313	Line	S279	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb1314	Line	S280	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb1315	Line	S281	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb1316	Line	S282	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb1317	Line	S283	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb1318	Line	S284	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb1319	Line	S285	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb1320	Line	S286	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb1321	Line	S287	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb1322	Line	S288 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb1323	Line	S289 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb1324	Line	S290 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb1325	Line	S291 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb1326	Line	S292 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb1327	Line	S293 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb1328	Line	S294 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb1329	Line	S295 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb1330	Line	S296 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb1331	Line	S297 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb1332	Line	S298 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb1333	Line	S299 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb1334	Line	S300 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb1335	Line	S301 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb1336	Line	S302 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb1337	Line	S303 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb1338	Line	S304 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb1339	Line	S305 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb1340	Line	S306 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb1341	Line	S307 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb1342	Line	S308 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb1343	Line	S309 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb1344	Line	S310 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb1345	Line	S311 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb1346	Line	S312 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb1347	Line	S313 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb1348	Line	S314 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb1349	Line	S315 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb1350	Line	S316 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb1351	Line	S317 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb1352	Line	S318 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb1353	Line	S319 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb1354	Line	S320	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	10.920	From end								
Slb1355	Line	S321	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb1356	Line	S322	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb1357	Line	S323	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb1358	Line	S324	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb1359	Line	S325	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb1360	Line	S326	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb1361	Line	S327	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb1362	Line	S328	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb1363	Line	S329	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb1364	Line	S330	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb1365	Line	S331	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb1366	Line	S332	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb1367	Line	S333	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb1368	Line	S334	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb1369	Line	S263	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb1370	Line	S264	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb1371	Line	S265	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb1372	Line	S266	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb1373	Line	S267	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb1374	Line	S268	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb1375	Line	S269	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb1376	Line	S270	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb1377	Line	S271	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb1378	Line	S272	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb1379	Line	S273	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb1380	Line	S274	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb1381	Line	S275	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb1382	Line	S276	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb1383	Line	S277	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb1384	Line	S278	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb1385	Line	S279	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb1386	Line	S280	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb1387	Line	S281 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb1388	Line	S282 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb1389	Line	S283 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb1390	Line	S284 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb1391	Line	S285 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb1392	Line	S286 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb1393	Line	S287 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb1394	Line	S288 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb1395	Line	S289 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb1396	Line	S290 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb1397	Line	S291 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb1398	Line	S292 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb1399	Line	S293 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb1400	Line	S294 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb1401	Line	S295 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb1402	Line	S296 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb1403	Line	S297 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb1404	Line	S298 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb1405	Line	S299 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb1406	Line	S300 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb1407	Line	S301 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb1408	Line	S302 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb1409	Line	S303 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb1410	Line	S304 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb1411	Line	S305 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb1412	Line	S306 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb1413	Line	S307 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb1414	Line	S308 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb1415	Line	S309 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb1416	Line	S310 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb1417	Line	S311 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb1418	Line	S312 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb1419	Line	S313	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free

Name	Type	Member	System	Pos X ₁ [m]	Pos X ₂ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	R _{Xc}	R _Y	R _Z
SIB1420	Line	S314	GCS	10.920	11.480	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
SIB1421	Line	S315	GCS	10.920	11.480	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
SIB1422	Line	S316	GCS	10.920	11.480	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
SIB1423	Line	S317	GCS	10.920	11.480	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
SIB1424	Line	S318	GCS	10.920	11.480	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
SIB1425	Line	S319	GCS	10.920	11.480	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
SIB1426	Line	S320	GCS	10.920	11.480	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
SIB1427	Line	S321	GCS	10.920	11.480	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
SIB1428	Line	S322	GCS	10.920	11.480	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
SIB1429	Line	S323	GCS	10.920	11.480	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
SIB1430	Line	S324	GCS	10.920	11.480	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
SIB1431	Line	S325	GCS	10.920	11.480	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
SIB1432	Line	S326	GCS	10.920	11.480	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
SIB1433	Line	S327	GCS	10.920	11.480	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
SIB1434	Line	S328	GCS	10.920	11.480	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
SIB1435	Line	S329	GCS	10.920	11.480	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
SIB1436	Line	S330	GCS	10.920	11.480	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
SIB1439	Line	S333	GCS	10.920	11.480	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
SIB1440	Line	S334	GCS	10.920	11.480	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
SIB1441	Line	S263	GCS	11.480	11.800	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
SIB1442	Line	S264	GCS	11.480	11.800	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
SIB1443	Line	S265	GCS	11.480	11.800	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
SIB1444	Line	S266	GCS	11.480	11.800	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
SIB1445	Line	S267	GCS	11.480	11.800	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
SIB1446	Line	S268	GCS	11.480	11.800	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
SIB1447	Line	S269	GCS	11.480	11.800	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
SIB1448	Line	S270	GCS	11.480	11.800	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
SIB1449	Line	S271	GCS	11.480	11.800	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
SIB1450	Line	S272	GCS	11.480	11.800	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
SIB1451	Line	S273	GCS	11.480	11.800	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free

Name	Type	Member	System	Pos X ₁ [m]	Pos X ₂ [m]	Coor	Ong	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rz	Ry	Rxc
SIB1452	Line	S274	GCS	11.480	11.800	Abso	From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
SIB1453	Line	S275	GCS	11.480	11.800	Abso	From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
SIB1454	Line	S276	GCS	11.480	11.800	Abso	From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
SIB1455	Line	S277	GCS	11.480	11.800	Abso	From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
SIB1456	Line	S278	GCS	11.480	11.800	Abso	From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
SIB1457	Line	S279	GCS	11.480	11.800	Abso	From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
SIB1458	Line	S280	GCS	11.480	11.800	Abso	From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
SIB1459	Line	S281	GCS	11.480	11.800	Abso	From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
SIB1460	Line	S282	GCS	11.480	11.800	Abso	From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
SIB1461	Line	S283	GCS	11.480	11.800	Abso	From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
SIB1462	Line	S284	GCS	11.480	11.800	Abso	From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
SIB1463	Line	S285	GCS	11.480	11.800	Abso	From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
SIB1464	Line	S286	GCS	11.480	11.800	Abso	From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
SIB1465	Line	S287	GCS	11.480	11.800	Abso	From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
SIB1466	Line	S288	GCS	11.480	11.800	Abso	From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
SIB1467	Line	S289	GCS	11.480	11.800	Abso	From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
SIB1468	Line	S290	GCS	11.480	11.800	Abso	From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
SIB1469	Line	S291	GCS	11.480	11.800	Abso	From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
SIB1470	Line	S292	GCS	11.480	11.800	Abso	From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
SIB1471	Line	S293	GCS	11.480	11.800	Abso	From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
SIB1472	Line	S294	GCS	11.480	11.800	Abso	From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
SIB1473	Line	S295	GCS	11.480	11.800	Abso	From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
SIB1474	Line	S296	GCS	11.480	11.800	Abso	From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
SIB1475	Line	S297	GCS	11.480	11.800	Abso	From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
SIB1476	Line	S298	GCS	11.480	11.800	Abso	From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
SIB1477	Line	S299	GCS	11.480	11.800	Abso	From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
SIB1478	Line	S300	GCS	11.480	11.800	Abso	From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
SIB1479	Line	S301	GCS	11.480	11.800	Abso	From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
SIB1480	Line	S302	GCS	11.480	11.800	Abso	From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
SIB1481	Line	S303	GCS	11.480	11.800	Abso	From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
SIB1482	Line	S304	GCS	11.480	11.800	Abso	From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
SIB1483	Line	S305	GCS	11.480	11.800	Abso	From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
SIB1484	Line	S306	GCS	11.480	11.800	Abso	From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free

Name	Type	Member	System	Pos x ₁ [m]	Pos x ₂ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
SIB1485	Line	S307	GCS	11.800	11.800	From end	Abso	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
SIB1486	Line	S308	GCS	11.480	11.800	From end	Abso	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
SIB1487	Line	S309	GCS	11.480	11.800	From end	Abso	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
SIB1488	Line	S310	GCS	11.480	11.800	From end	Abso	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
SIB1489	Line	S311	GCS	11.800	11.800	From end	Abso	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
SIB1490	Line	S312	GCS	11.480	11.800	From end	Abso	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
SIB1491	Line	S313	GCS	11.480	11.800	From end	Abso	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
SIB1492	Line	S314	GCS	11.800	11.800	From end	Abso	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
SIB1493	Line	S315	GCS	11.480	11.800	From end	Abso	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
SIB1494	Line	S316	GCS	11.480	11.800	From end	Abso	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
SIB1495	Line	S317	GCS	11.800	11.800	From end	Abso	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
SIB1496	Line	S318	GCS	11.480	11.800	From end	Abso	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
SIB1497	Line	S319	GCS	11.480	11.800	From end	Abso	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
SIB1498	Line	S320	GCS	11.800	11.800	From end	Abso	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
SIB1499	Line	S321	GCS	11.480	11.800	From end	Abso	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
SIB1500	Line	S322	GCS	11.480	11.800	From end	Abso	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
SIB1501	Line	S323	GCS	11.480	11.800	From end	Abso	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
SIB1502	Line	S324	GCS	11.480	11.800	From end	Abso	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
SIB1503	Line	S325	GCS	11.480	11.800	From end	Abso	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
SIB1504	Line	S326	GCS	11.480	11.800	From end	Abso	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
SIB1505	Line	S327	GCS	11.480	11.800	From end	Abso	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
SIB1506	Line	S328	GCS	11.480	11.800	From end	Abso	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
SIB1507	Line	S329	GCS	11.480	11.800	From end	Abso	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
SIB1508	Line	S330	GCS	11.480	11.800	From end	Abso	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
SIB1509	Line	S331	GCS	11.480	11.800	From end	Abso	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
SIB1510	Line	S332	GCS	11.480	11.800	From end	Abso	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
SIB1511	Line	S333	GCS	11.480	11.800	From end	Abso	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
SIB1512	Line	S334	GCS	11.480	11.800	From end	Abso	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
SIB1513	Line	S263	GCS	11.800	11.800	From end	Abso	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
SIB1514	Line	S264	GCS	11.800	12.120	From end	Abso	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
SIB1515	Line	S265	GCS	11.800	12.120	From end	Abso	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
SIB1516	Line	S266	GCS	11.800	12.120	From end	Abso	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb1517	Line	S267 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb1518	Line	S268 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb1519	Line	S269 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb1520	Line	S270 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb1521	Line	S271 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb1522	Line	S272 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb1523	Line	S273 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb1524	Line	S274 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb1525	Line	S275 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb1526	Line	S276 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb1527	Line	S277 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb1528	Line	S278 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb1529	Line	S279 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb1530	Line	S280 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb1531	Line	S281 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb1532	Line	S282 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb1533	Line	S283 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb1534	Line	S284 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb1535	Line	S285 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb1536	Line	S286 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb1537	Line	S287 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb1538	Line	S288 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb1539	Line	S289 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb1540	Line	S290 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb1541	Line	S291 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb1542	Line	S292 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb1543	Line	S293 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb1544	Line	S294 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb1545	Line	S295 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb1546	Line	S296 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb1547	Line	S297 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb1548	Line	S298 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb1549	Line	S299	11.800	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	12.120	From end								
Slb1550	Line	S300 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb1551	Line	S301 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb1552	Line	S302 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb1553	Line	S303 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb1554	Line	S304 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb1555	Line	S305 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb1556	Line	S306 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb1557	Line	S307 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb1558	Line	S308 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb1559	Line	S309 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb1560	Line	S310 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb1561	Line	S311 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb1562	Line	S312 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb1563	Line	S313 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb1564	Line	S314 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb1565	Line	S315 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb1566	Line	S316 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb1567	Line	S317 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb1568	Line	S318 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb1569	Line	S319 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb1570	Line	S320 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb1571	Line	S321 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb1572	Line	S322 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb1573	Line	S323 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb1574	Line	S324 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb1575	Line	S325 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb1576	Line	S326 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb1577	Line	S327 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb1578	Line	S328 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb1579	Line	S329 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb1580	Line	S330 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb1581	Line	S331 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb1582	Line	S332 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb1583	Line	S333 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb1584	Line	S334 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb1585	Line	S263 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb1586	Line	S264 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb1587	Line	S265 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb1588	Line	S266 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb1589	Line	S267 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb1590	Line	S268 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb1591	Line	S269 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb1592	Line	S270 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb1593	Line	S271 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb1594	Line	S272 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb1595	Line	S273 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb1596	Line	S274 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb1597	Line	S275 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb1598	Line	S276 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb1599	Line	S277 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb1600	Line	S278 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb1601	Line	S279 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb1602	Line	S280 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb1603	Line	S281 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb1604	Line	S282 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb1605	Line	S283 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb1606	Line	S284 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb1607	Line	S285 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb1608	Line	S286 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb1609	Line	S287 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb1610	Line	S288 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb1611	Line	S289 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb1612	Line	S290 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb1613	Line	S291 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb1614	Line	S292	12.120	Abso	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	12.700	From end								
Slb1615	Line	S293 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb1616	Line	S294 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb1617	Line	S295 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb1618	Line	S296 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb1619	Line	S297 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb1620	Line	S298 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb1621	Line	S299 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb1622	Line	S300 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb1623	Line	S301 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb1624	Line	S302 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb1625	Line	S303 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb1626	Line	S304 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb1627	Line	S305 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb1628	Line	S306 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb1629	Line	S307 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb1630	Line	S308 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb1631	Line	S309 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb1632	Line	S310 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb1633	Line	S311 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb1634	Line	S312 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb1635	Line	S313 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb1636	Line	S314 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb1637	Line	S315 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb1638	Line	S316 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb1639	Line	S317 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb1640	Line	S318 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb1641	Line	S319 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb1642	Line	S320 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb1643	Line	S321 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb1644	Line	S322 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb1645	Line	S323 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb1646	Line	S324 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb1647	Line	S325 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb1648	Line	S326 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb1649	Line	S327 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb1650	Line	S328 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb1651	Line	S329 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb1652	Line	S330 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb1653	Line	S331 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb1654	Line	S332 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb1655	Line	S333 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb1656	Line	S334 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb1657	Line	S263 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb1658	Line	S264 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb1659	Line	S265 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb1660	Line	S266 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb1661	Line	S267 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb1662	Line	S268 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb1663	Line	S269 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb1664	Line	S270 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb1665	Line	S271 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb1666	Line	S272 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb1667	Line	S273 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb1668	Line	S274 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb1669	Line	S275 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb1670	Line	S276 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb1671	Line	S277 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb1672	Line	S278 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb1673	Line	S279 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb1674	Line	S280 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb1675	Line	S281 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb1676	Line	S282 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb1677	Line	S283 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb1678	Line	S284 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb1679	Line	S285	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	12.800	From end								
Slb1680	Line	S286	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb1681	Line	S287	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb1682	Line	S288	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb1683	Line	S289	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb1684	Line	S290	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb1685	Line	S291	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb1686	Line	S292	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb1687	Line	S293	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb1688	Line	S294	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb1689	Line	S295	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb1690	Line	S296	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb1691	Line	S297	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb1692	Line	S298	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb1693	Line	S299	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb1694	Line	S300	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb1695	Line	S301	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb1696	Line	S302	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb1697	Line	S303	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb1698	Line	S304	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb1699	Line	S305	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb1700	Line	S306	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb1701	Line	S307	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb1702	Line	S308	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb1703	Line	S309	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb1704	Line	S310	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb1705	Line	S311	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb1706	Line	S312	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb1707	Line	S313	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb1708	Line	S314	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb1709	Line	S315	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb1710	Line	S316	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb1711	Line	S317	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb1712	Line	S318 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb1713	Line	S319 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb1714	Line	S320 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb1715	Line	S321 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb1716	Line	S322 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb1717	Line	S323 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb1718	Line	S324 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb1719	Line	S325 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb1720	Line	S326 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb1721	Line	S327 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb1722	Line	S328 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb1723	Line	S329 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb1724	Line	S330 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb1725	Line	S331 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb1726	Line	S332 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb1727	Line	S333 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb1728	Line	S334 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb1729	Line	S263 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb1730	Line	S264 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb1731	Line	S265 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb1732	Line	S266 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb1733	Line	S267 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb1734	Line	S268 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb1735	Line	S269 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb1736	Line	S270 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb1737	Line	S271 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb1738	Line	S272 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb1739	Line	S273 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb1740	Line	S274 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb1741	Line	S275 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb1742	Line	S276 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb1743	Line	S277 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb1744	Line	S278	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	12.960	From end								
Slb1745	Line	S279	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb1746	Line	S280	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb1747	Line	S281	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb1748	Line	S282	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb1749	Line	S283	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb1750	Line	S284	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb1751	Line	S285	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb1752	Line	S286	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb1753	Line	S287	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb1754	Line	S288	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb1755	Line	S289	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb1756	Line	S290	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb1757	Line	S291	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb1758	Line	S292	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb1759	Line	S293	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb1760	Line	S294	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb1761	Line	S295	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb1762	Line	S296	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb1763	Line	S297	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb1764	Line	S298	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb1765	Line	S299	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb1766	Line	S300	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb1767	Line	S301	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb1768	Line	S302	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb1769	Line	S303	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb1770	Line	S304	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb1771	Line	S305	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb1772	Line	S306	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb1773	Line	S307	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb1774	Line	S308	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb1775	Line	S309	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb1776	Line	S310	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb1777	Line	S311 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb1778	Line	S312 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb1779	Line	S313 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb1780	Line	S314 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb1781	Line	S315 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb1782	Line	S316 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb1783	Line	S317 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb1784	Line	S318 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb1785	Line	S319 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb1786	Line	S320 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb1787	Line	S321 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb1788	Line	S322 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb1789	Line	S323 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb1790	Line	S324 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb1791	Line	S325 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb1792	Line	S326 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb1793	Line	S327 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb1794	Line	S328 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb1795	Line	S329 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb1796	Line	S330 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb1797	Line	S331 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb1798	Line	S332 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb1799	Line	S333 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb1800	Line	S334 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb1801	Line	S263 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb1802	Line	S264 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb1803	Line	S265 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb1804	Line	S266 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb1805	Line	S267 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb1806	Line	S268 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb1807	Line	S269 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb1808	Line	S270 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb1809	Line	S271	12.960	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	16.360	From end								
Slb1810	Line	S272 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb1811	Line	S273 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb1812	Line	S274 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb1813	Line	S275 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb1814	Line	S276 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb1815	Line	S277 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb1816	Line	S278 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb1817	Line	S279 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb1818	Line	S280 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb1819	Line	S281 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb1820	Line	S282 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb1821	Line	S283 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb1822	Line	S284 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb1823	Line	S285 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb1824	Line	S286 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb1825	Line	S287 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb1826	Line	S288 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb1827	Line	S289 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb1828	Line	S290 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb1829	Line	S291 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb1830	Line	S292 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb1831	Line	S293 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb1832	Line	S294 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb1833	Line	S295 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb1834	Line	S296 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb1835	Line	S297 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb1836	Line	S298 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb1837	Line	S299 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb1838	Line	S300 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb1839	Line	S301 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb1840	Line	S302 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb1841	Line	S303 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb1842	Line	S304 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb1843	Line	S305 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb1844	Line	S306 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb1845	Line	S307 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb1846	Line	S308 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb1847	Line	S309 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb1848	Line	S310 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb1849	Line	S311 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb1850	Line	S312 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb1851	Line	S313 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb1852	Line	S314 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb1853	Line	S315 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb1854	Line	S316 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb1855	Line	S317 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb1856	Line	S318 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb1857	Line	S319 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb1858	Line	S320 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb1859	Line	S321 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb1860	Line	S322 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb1861	Line	S323 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb1862	Line	S324 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb1863	Line	S325 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb1864	Line	S326 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb1865	Line	S327 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb1866	Line	S328 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb1867	Line	S329 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb1868	Line	S330 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb1869	Line	S331 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb1870	Line	S332 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb1871	Line	S333 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb1872	Line	S334 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb1873	Line	S263 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb1874	Line	S264	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	16.440	From end								
S1b1875	Line	S265	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
S1b1876	Line	S266	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
S1b1877	Line	S267	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
S1b1878	Line	S268	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
S1b1879	Line	S269	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
S1b1880	Line	S270	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
S1b1881	Line	S271	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
S1b1882	Line	S272	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
S1b1883	Line	S273	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
S1b1884	Line	S274	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
S1b1885	Line	S275	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
S1b1886	Line	S276	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
S1b1887	Line	S277	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
S1b1888	Line	S278	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
S1b1889	Line	S279	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
S1b1890	Line	S280	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
S1b1891	Line	S281	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
S1b1892	Line	S282	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
S1b1893	Line	S283	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
S1b1894	Line	S284	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
S1b1895	Line	S285	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
S1b1896	Line	S286	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
S1b1897	Line	S287	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
S1b1898	Line	S288	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
S1b1899	Line	S289	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
S1b1900	Line	S290	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
S1b1901	Line	S291	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
S1b1902	Line	S292	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
S1b1903	Line	S293	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
S1b1904	Line	S294	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
S1b1905	Line	S295	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
S1b1906	Line	S296	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb1907	Line	S297 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb1908	Line	S298 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb1909	Line	S299 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb1910	Line	S300 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb1911	Line	S301 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb1912	Line	S302 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb1913	Line	S303 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb1914	Line	S304 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb1915	Line	S305 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb1916	Line	S306 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb1917	Line	S307 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb1918	Line	S308 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb1919	Line	S309 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb1920	Line	S310 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb1921	Line	S311 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb1922	Line	S312 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb1923	Line	S313 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb1924	Line	S314 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb1925	Line	S315 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb1926	Line	S316 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb1927	Line	S317 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb1928	Line	S318 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb1929	Line	S319 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb1930	Line	S320 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb1931	Line	S321 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb1932	Line	S322 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb1933	Line	S323 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb1934	Line	S324 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb1935	Line	S325 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb1936	Line	S326 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb1937	Line	S327 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb1938	Line	S328 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb1939	Line	S329	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	16.440	From end								
Slb1940	Line	S330	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
Slb1941	Line	S331	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
Slb1942	Line	S332	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
Slb1943	Line	S333	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
Slb1944	Line	S334	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
Slb1945	Line	S263	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb1946	Line	S264	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb1947	Line	S265	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb1948	Line	S266	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb1949	Line	S267	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb1950	Line	S268	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb1951	Line	S269	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb1952	Line	S270	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb1953	Line	S271	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb1954	Line	S272	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb1955	Line	S273	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb1956	Line	S274	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb1957	Line	S275	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb1958	Line	S276	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb1959	Line	S277	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb1960	Line	S278	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb1961	Line	S279	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb1962	Line	S280	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb1963	Line	S281	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb1964	Line	S282	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb1965	Line	S283	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb1966	Line	S284	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb1967	Line	S285	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb1968	Line	S286	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb1969	Line	S287	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb1970	Line	S288	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb1971	Line	S289	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb1972	Line	S290 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb1973	Line	S291 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb1974	Line	S292 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb1975	Line	S293 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb1976	Line	S294 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb1977	Line	S295 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb1978	Line	S296 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb1979	Line	S297 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb1980	Line	S298 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb1981	Line	S299 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb1982	Line	S300 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb1983	Line	S301 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb1984	Line	S302 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb1985	Line	S303 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb1986	Line	S304 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb1987	Line	S305 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb1988	Line	S306 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb1989	Line	S307 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb1990	Line	S308 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb1991	Line	S309 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb1992	Line	S310 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb1993	Line	S311 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb1994	Line	S312 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb1995	Line	S313 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb1996	Line	S314 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb1997	Line	S315 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb1998	Line	S316 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb1999	Line	S317 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb2000	Line	S318 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb2001	Line	S319 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb2002	Line	S320 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb2003	Line	S321 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb2004	Line	S322	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	17.820	From end								
Slb2005	Line	S323	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb2006	Line	S324	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb2007	Line	S325	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb2008	Line	S326	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb2009	Line	S327	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb2010	Line	S328	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb2011	Line	S329	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb2012	Line	S330	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb2013	Line	S331	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb2014	Line	S332	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb2015	Line	S333	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb2016	Line	S334	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb2017	Line	S263	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb2018	Line	S264	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb2019	Line	S265	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb2020	Line	S266	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb2021	Line	S267	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb2022	Line	S268	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb2023	Line	S269	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb2024	Line	S270	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb2025	Line	S271	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb2026	Line	S272	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb2027	Line	S273	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb2028	Line	S274	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb2029	Line	S275	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb2030	Line	S276	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb2031	Line	S277	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb2032	Line	S278	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb2033	Line	S279	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb2034	Line	S280	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb2035	Line	S281	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb2036	Line	S282	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb2037	Line	S283 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb2038	Line	S284 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb2039	Line	S285 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb2040	Line	S286 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb2041	Line	S287 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb2042	Line	S288 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb2043	Line	S289 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb2044	Line	S290 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb2045	Line	S291 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb2046	Line	S292 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb2047	Line	S293 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb2048	Line	S294 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb2049	Line	S295 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb2050	Line	S296 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb2051	Line	S297 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb2052	Line	S298 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb2053	Line	S299 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb2054	Line	S300 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb2055	Line	S301 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb2056	Line	S302 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb2057	Line	S303 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb2058	Line	S304 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb2059	Line	S305 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb2060	Line	S306 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb2061	Line	S307 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb2062	Line	S308 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb2063	Line	S309 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb2064	Line	S310 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb2065	Line	S311 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb2066	Line	S312 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb2067	Line	S313 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb2068	Line	S314 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb2069	Line	S315	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	17.980	From end								
Slb2070	Line	S316	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb2071	Line	S317	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb2072	Line	S318	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb2073	Line	S319	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb2074	Line	S320	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb2075	Line	S321	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb2076	Line	S322	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb2077	Line	S323	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb2078	Line	S324	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb2079	Line	S325	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb2080	Line	S326	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb2081	Line	S327	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb2082	Line	S328	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb2083	Line	S329	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb2084	Line	S330	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb2085	Line	S331	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb2086	Line	S332	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb2087	Line	S333	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb2088	Line	S334	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb2089	Line	S263	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb2090	Line	S264	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb2091	Line	S265	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb2092	Line	S266	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb2093	Line	S267	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb2094	Line	S268	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb2095	Line	S269	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb2096	Line	S270	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb2097	Line	S271	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb2098	Line	S272	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb2099	Line	S273	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb2100	Line	S274	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb2101	Line	S275	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb2102	Line	S276 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb2103	Line	S277 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb2104	Line	S278 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb2105	Line	S279 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb2106	Line	S280 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb2107	Line	S281 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb2108	Line	S282 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb2109	Line	S283 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb2110	Line	S284 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb2111	Line	S285 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb2112	Line	S286 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb2113	Line	S287 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb2114	Line	S288 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb2115	Line	S289 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb2116	Line	S290 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb2117	Line	S291 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb2118	Line	S292 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb2119	Line	S293 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb2120	Line	S294 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb2121	Line	S295 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb2122	Line	S296 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb2123	Line	S297 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb2124	Line	S298 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb2125	Line	S299 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb2126	Line	S300 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb2127	Line	S301 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb2128	Line	S302 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb2129	Line	S303 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb2130	Line	S304 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb2131	Line	S305 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb2132	Line	S306 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb2133	Line	S307 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb2134	Line	S308	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	18.300	From end								
Slb2135	Line	S309	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb2136	Line	S310	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb2137	Line	S311	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb2138	Line	S312	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb2139	Line	S313	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb2140	Line	S314	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb2141	Line	S315	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb2142	Line	S316	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb2143	Line	S317	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb2144	Line	S318	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb2145	Line	S319	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb2146	Line	S320	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb2147	Line	S321	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb2148	Line	S322	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb2149	Line	S323	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb2150	Line	S324	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb2151	Line	S325	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb2152	Line	S326	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb2153	Line	S327	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb2154	Line	S328	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb2155	Line	S329	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb2156	Line	S330	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb2157	Line	S331	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb2158	Line	S332	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb2159	Line	S333	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb2160	Line	S334	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb2161	Line	S263	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb2162	Line	S264	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb2163	Line	S265	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb2164	Line	S266	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb2165	Line	S267	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb2166	Line	S268	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb2167	Line	S269 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb2168	Line	S270 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb2169	Line	S271 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb2170	Line	S272 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb2171	Line	S273 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb2172	Line	S274 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb2173	Line	S275 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb2174	Line	S276 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb2175	Line	S277 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb2176	Line	S278 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb2177	Line	S279 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb2178	Line	S280 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb2179	Line	S281 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb2180	Line	S282 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb2181	Line	S283 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb2182	Line	S284 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb2183	Line	S285 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb2184	Line	S286 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb2185	Line	S287 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb2186	Line	S288 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb2187	Line	S289 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb2188	Line	S290 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb2189	Line	S291 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb2190	Line	S292 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb2191	Line	S293 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb2192	Line	S294 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb2193	Line	S295 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb2194	Line	S296 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb2195	Line	S297 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb2196	Line	S298 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb2197	Line	S299 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb2198	Line	S300 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb2199	Line	S301	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	19.520	From end								
Slb2200	Line	S302	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb2201	Line	S303	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb2202	Line	S304	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb2203	Line	S305	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb2204	Line	S306	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb2205	Line	S307	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb2206	Line	S308	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb2207	Line	S309	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb2208	Line	S310	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb2209	Line	S311	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb2210	Line	S312	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb2211	Line	S313	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb2212	Line	S314	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb2213	Line	S315	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb2214	Line	S316	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb2215	Line	S317	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb2216	Line	S318	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb2217	Line	S319	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb2218	Line	S320	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb2219	Line	S321	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb2220	Line	S322	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb2221	Line	S323	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb2222	Line	S324	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb2223	Line	S325	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb2224	Line	S326	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb2225	Line	S327	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb2226	Line	S328	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb2227	Line	S329	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb2228	Line	S330	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb2229	Line	S331	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb2230	Line	S332	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb2231	Line	S333	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb2232	Line	S334 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb2233	Line	S263 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb2234	Line	S264 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb2235	Line	S265 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb2236	Line	S266 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb2237	Line	S267 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb2238	Line	S268 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb2239	Line	S269 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb2240	Line	S270 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb2241	Line	S271 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb2242	Line	S272 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb2243	Line	S273 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb2244	Line	S274 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb2245	Line	S275 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb2246	Line	S276 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb2247	Line	S277 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb2248	Line	S278 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb2249	Line	S279 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb2250	Line	S280 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb2251	Line	S281 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb2252	Line	S282 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb2253	Line	S283 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb2254	Line	S284 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb2255	Line	S285 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb2256	Line	S286 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb2257	Line	S287 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb2258	Line	S288 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb2259	Line	S289 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb2260	Line	S290 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb2261	Line	S291 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb2262	Line	S292 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb2263	Line	S293 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb2264	Line	S294	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	19.820	From end								
Slb2265	Line	S295	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb2266	Line	S296	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb2267	Line	S297	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb2268	Line	S298	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb2269	Line	S299	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb2270	Line	S300	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb2271	Line	S301	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb2272	Line	S302	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb2273	Line	S303	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb2274	Line	S304	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb2275	Line	S305	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb2276	Line	S306	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb2277	Line	S307	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb2278	Line	S308	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb2279	Line	S309	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb2280	Line	S310	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb2281	Line	S311	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb2282	Line	S312	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb2283	Line	S313	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb2284	Line	S314	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb2285	Line	S315	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb2286	Line	S316	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb2287	Line	S317	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb2288	Line	S318	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb2289	Line	S319	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb2290	Line	S320	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb2291	Line	S321	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb2292	Line	S322	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb2293	Line	S323	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb2294	Line	S324	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb2295	Line	S325	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb2296	Line	S326	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb2297	Line	S327 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb2298	Line	S328 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb2299	Line	S329 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb2300	Line	S330 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb2301	Line	S331 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb2302	Line	S332 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb2303	Line	S333 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb2304	Line	S334 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb2305	Line	S263 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb2306	Line	S264 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb2307	Line	S265 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb2308	Line	S266 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb2309	Line	S267 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb2310	Line	S268 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb2311	Line	S269 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb2312	Line	S270 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb2313	Line	S271 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb2314	Line	S272 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb2315	Line	S273 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb2316	Line	S274 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb2317	Line	S275 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb2318	Line	S276 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb2319	Line	S277 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb2320	Line	S278 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb2321	Line	S279 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb2322	Line	S280 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb2323	Line	S281 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb2324	Line	S282 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb2325	Line	S283 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb2326	Line	S284 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb2327	Line	S285 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb2328	Line	S286 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb2329	Line	S287	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	22.380	From end								
Slb2330	Line	S288	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb2331	Line	S289	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb2332	Line	S290	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb2333	Line	S291	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb2334	Line	S292	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb2335	Line	S293	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb2336	Line	S294	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb2337	Line	S295	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb2338	Line	S296	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb2339	Line	S297	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb2340	Line	S298	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb2341	Line	S299	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb2342	Line	S300	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb2343	Line	S301	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb2344	Line	S302	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb2345	Line	S303	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb2346	Line	S304	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb2347	Line	S305	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb2348	Line	S306	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb2349	Line	S307	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb2350	Line	S308	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb2351	Line	S309	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb2352	Line	S310	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb2353	Line	S311	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb2354	Line	S312	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb2355	Line	S313	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb2356	Line	S314	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb2357	Line	S315	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb2358	Line	S316	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb2359	Line	S317	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb2360	Line	S318	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb2361	Line	S319	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb2362	Line	S320 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb2363	Line	S321 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb2364	Line	S322 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb2365	Line	S323 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb2366	Line	S324 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb2367	Line	S325 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb2368	Line	S326 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb2369	Line	S327 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb2370	Line	S328 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb2371	Line	S329 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb2372	Line	S330 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb2373	Line	S331 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb2374	Line	S332 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb2375	Line	S333 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb2376	Line	S334 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb2377	Line	S263 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb2378	Line	S264 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb2379	Line	S265 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb2380	Line	S266 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb2381	Line	S267 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb2382	Line	S268 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb2383	Line	S269 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb2384	Line	S270 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb2385	Line	S271 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb2386	Line	S272 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb2387	Line	S273 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb2388	Line	S274 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb2389	Line	S275 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb2390	Line	S276 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb2391	Line	S277 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb2392	Line	S278 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb2393	Line	S279 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb2394	Line	S280	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	22.540	From end								
Slb2395	Line	S281	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb2396	Line	S282	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb2397	Line	S283	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb2398	Line	S284	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb2399	Line	S285	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb2400	Line	S286	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb2401	Line	S287	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb2402	Line	S288	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb2403	Line	S289	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb2404	Line	S290	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb2405	Line	S291	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb2406	Line	S292	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb2407	Line	S293	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb2408	Line	S294	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb2409	Line	S295	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb2410	Line	S296	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb2411	Line	S297	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb2412	Line	S298	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb2413	Line	S299	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb2414	Line	S300	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb2415	Line	S301	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb2416	Line	S302	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb2417	Line	S303	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb2418	Line	S304	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb2419	Line	S305	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb2420	Line	S306	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb2421	Line	S307	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb2422	Line	S308	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb2423	Line	S309	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb2424	Line	S310	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb2425	Line	S311	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb2426	Line	S312	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb2427	Line	S313 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb2428	Line	S314 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb2429	Line	S315 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb2430	Line	S316 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb2431	Line	S317 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb2432	Line	S318 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb2433	Line	S319 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb2434	Line	S320 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb2435	Line	S321 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb2436	Line	S322 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb2437	Line	S323 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb2438	Line	S324 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb2439	Line	S325 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb2440	Line	S326 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb2441	Line	S327 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb2442	Line	S328 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb2443	Line	S329 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb2444	Line	S330 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb2445	Line	S331 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb2446	Line	S332 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb2447	Line	S333 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb2448	Line	S334 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb2449	Line	S263 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb2450	Line	S264 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb2451	Line	S265 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb2452	Line	S266 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb2453	Line	S267 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb2454	Line	S268 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb2455	Line	S269 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb2456	Line	S270 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb2457	Line	S271 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb2458	Line	S272 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb2459	Line	S273	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	23.560	From end								
Slb2460	Line	S274	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb2461	Line	S275	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb2462	Line	S276	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb2463	Line	S277	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb2464	Line	S278	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb2465	Line	S279	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb2466	Line	S280	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb2467	Line	S281	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb2468	Line	S282	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb2469	Line	S283	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb2470	Line	S284	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb2471	Line	S285	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb2472	Line	S286	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb2473	Line	S287	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb2474	Line	S288	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb2475	Line	S289	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb2476	Line	S290	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb2477	Line	S291	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb2478	Line	S292	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb2479	Line	S293	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb2480	Line	S294	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb2481	Line	S295	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb2482	Line	S296	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb2483	Line	S297	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb2484	Line	S298	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb2485	Line	S299	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb2486	Line	S300	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb2487	Line	S301	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb2488	Line	S302	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb2489	Line	S303	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb2490	Line	S304	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb2491	Line	S305	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb2492	Line	S306 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb2493	Line	S307 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb2494	Line	S308 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb2495	Line	S309 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb2496	Line	S310 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb2497	Line	S311 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb2498	Line	S312 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb2499	Line	S313 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb2500	Line	S314 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb2501	Line	S315 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb2502	Line	S316 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb2503	Line	S317 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb2504	Line	S318 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb2505	Line	S319 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb2506	Line	S320 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb2507	Line	S321 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb2508	Line	S322 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb2509	Line	S323 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb2510	Line	S324 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb2511	Line	S325 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb2512	Line	S326 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb2513	Line	S327 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb2514	Line	S328 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb2515	Line	S329 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb2516	Line	S330 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb2517	Line	S331 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb2518	Line	S332 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb2519	Line	S333 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb2520	Line	S334 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb2521	Line	S263 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb2522	Line	S264 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb2523	Line	S265 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb2524	Line	S266	23.560	Abso	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	24.990	From end								
Slb2525	Line	S267 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb2526	Line	S268 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb2527	Line	S269 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb2528	Line	S270 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb2529	Line	S271 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb2530	Line	S272 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb2531	Line	S273 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb2532	Line	S274 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb2533	Line	S275 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb2534	Line	S276 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb2535	Line	S277 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb2536	Line	S278 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb2537	Line	S279 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb2538	Line	S280 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb2539	Line	S281 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb2540	Line	S282 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb2541	Line	S283 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb2542	Line	S284 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb2543	Line	S285 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb2544	Line	S286 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb2545	Line	S287 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb2546	Line	S288 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb2547	Line	S289 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb2548	Line	S290 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb2549	Line	S291 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb2550	Line	S292 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb2551	Line	S293 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb2552	Line	S294 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb2553	Line	S295 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb2554	Line	S296 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb2555	Line	S297 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb2556	Line	S298 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb2557	Line	S299 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb2558	Line	S300 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb2559	Line	S301 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb2560	Line	S302 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb2561	Line	S303 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb2562	Line	S304 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb2563	Line	S305 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb2564	Line	S306 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb2565	Line	S307 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb2566	Line	S308 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb2567	Line	S309 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb2568	Line	S310 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb2569	Line	S311 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb2570	Line	S312 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb2571	Line	S313 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb2572	Line	S314 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb2573	Line	S315 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb2574	Line	S316 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb2575	Line	S317 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb2576	Line	S318 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb2577	Line	S319 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb2578	Line	S320 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb2579	Line	S321 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb2580	Line	S322 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb2581	Line	S323 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb2582	Line	S324 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb2583	Line	S325 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb2584	Line	S326 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb2585	Line	S327 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb2586	Line	S328 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb2587	Line	S329 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb2588	Line	S330 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb2589	Line	S331	23.560	Abso	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	24.990	From end								
Slb2590	Line	S332	23.560	Abso	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
		GCS	24.990	From end								
Slb2591	Line	S333	23.560	Abso	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
		GCS	24.990	From end								
Slb2592	Line	S334	23.560	Abso	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
		GCS	24.990	From end								
Slb2593	Line	S353	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb2594	Line	S353	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb2595	Line	S353	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb2596	Line	S353	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb2597	Line	S353	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb2598	Line	S353	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb2599	Line	S353	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb2600	Line	S353	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb2601	Line	S353	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb2602	Line	S353	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb2603	Line	S353	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb2604	Line	S353	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb2605	Line	S353	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb2606	Line	S353	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb2607	Line	S353	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb2608	Line	S353	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb2609	Line	S353	8.560	Abso	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
		GCS	10.500	From end								
Slb2610	Line	S353	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb2611	Line	S353	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb2612	Line	S353	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb2613	Line	S353	11.480	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
		GCS	11.800	From end								
Slb2614	Line	S353	11.800	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	12.120	From end								
Slb2615	Line	S353	12.120	Abso	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
		GCS	12.700	From end								
Slb2616	Line	S353	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb2617	Line	S353	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb2618	Line	S353	12.960	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	16.360	From end								
Slb2619	Line	S353	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
Slb2620	Line	S353	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb2621	Line	S353	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb2622	Line	S353 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb2623	Line	S353 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb2624	Line	S353 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb2625	Line	S353 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb2626	Line	S353 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb2627	Line	S353 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb2628	Line	S353 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb2629	Line	S354 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb2630	Line	S354 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb2631	Line	S354 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb2632	Line	S354 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb2633	Line	S354 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb2634	Line	S354 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb2635	Line	S354 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb2636	Line	S354 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb2637	Line	S354 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb2638	Line	S354 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb2639	Line	S354 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb2640	Line	S354 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb2641	Line	S354 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb2642	Line	S354 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb2643	Line	S354 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb2644	Line	S354 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb2645	Line	S354 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb2646	Line	S354 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb2647	Line	S354 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb2648	Line	S354 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb2649	Line	S354 GCS	11.480 11.800	Abso From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
Slb2650	Line	S354 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb2651	Line	S354 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb2652	Line	S354 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb2653	Line	S354 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb2654	Line	S354	12.960	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	16.360	From end								
Slb2655	Line	S354	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
Slb2656	Line	S354	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb2657	Line	S354	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb2658	Line	S354	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb2659	Line	S354	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb2660	Line	S354	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb2661	Line	S354	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb2662	Line	S354	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb2663	Line	S354	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb2664	Line	S354	23.560	Abso	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
		GCS	24.990	From end								
Slb2665	Line	S355	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb2666	Line	S355	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb2667	Line	S355	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb2668	Line	S355	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb2669	Line	S355	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb2670	Line	S355	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb2671	Line	S355	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb2672	Line	S355	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb2673	Line	S355	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb2674	Line	S355	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb2675	Line	S355	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb2676	Line	S355	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb2677	Line	S355	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb2678	Line	S355	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb2679	Line	S355	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb2680	Line	S355	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb2681	Line	S355	8.560	Abso	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
		GCS	10.500	From end								
Slb2682	Line	S355	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb2683	Line	S355	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb2684	Line	S355	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb2685	Line	S355	11.480	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
		GCS	11.800	From end								
Slb2686	Line	S355	11.800	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	12.120	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb2687	Line	S355 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb2688	Line	S355 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb2689	Line	S355 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb2690	Line	S355 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb2691	Line	S355 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb2692	Line	S355 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb2693	Line	S355 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb2694	Line	S355 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb2695	Line	S355 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb2696	Line	S355 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb2697	Line	S355 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb2698	Line	S355 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb2699	Line	S355 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb2700	Line	S355 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb2701	Line	S356 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb2702	Line	S356 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb2703	Line	S356 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb2704	Line	S356 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb2705	Line	S356 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb2706	Line	S356 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb2707	Line	S356 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb2708	Line	S356 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb2709	Line	S356 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb2710	Line	S356 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb2711	Line	S356 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb2712	Line	S356 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb2713	Line	S356 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb2714	Line	S356 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb2715	Line	S356 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb2716	Line	S356 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb2717	Line	S356 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb2718	Line	S356 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb2719	Line	S356	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	10.920	From end								
Slb2720	Line	S356	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb2721	Line	S356	11.480	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
		GCS	11.800	From end								
Slb2722	Line	S356	11.800	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	12.120	From end								
Slb2723	Line	S356	12.120	Abso	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
		GCS	12.700	From end								
Slb2724	Line	S356	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb2725	Line	S356	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb2726	Line	S356	12.960	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	16.360	From end								
Slb2727	Line	S356	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
Slb2728	Line	S356	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb2729	Line	S356	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb2730	Line	S356	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb2731	Line	S356	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb2732	Line	S356	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb2733	Line	S356	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb2734	Line	S356	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb2735	Line	S356	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb2736	Line	S356	23.560	Abso	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
		GCS	24.990	From end								
Slb2737	Line	S357	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb2738	Line	S357	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb2739	Line	S357	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb2740	Line	S357	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb2741	Line	S357	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb2742	Line	S357	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb2743	Line	S357	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb2744	Line	S357	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb2745	Line	S357	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb2746	Line	S357	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb2747	Line	S357	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb2748	Line	S357	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb2749	Line	S357	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb2750	Line	S357	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb2751	Line	S357	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb2752	Line	S357 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb2753	Line	S357 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb2754	Line	S357 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb2755	Line	S357 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb2756	Line	S357 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb2757	Line	S357 GCS	11.480 11.800	Abso From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
Slb2758	Line	S357 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb2759	Line	S357 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb2760	Line	S357 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb2761	Line	S357 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb2762	Line	S357 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb2763	Line	S357 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb2764	Line	S357 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb2765	Line	S357 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb2766	Line	S357 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb2767	Line	S357 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb2768	Line	S357 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb2769	Line	S357 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb2770	Line	S357 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb2771	Line	S357 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb2772	Line	S357 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb2773	Line	S358 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb2774	Line	S358 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb2775	Line	S358 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb2776	Line	S358 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb2777	Line	S358 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb2778	Line	S358 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb2779	Line	S358 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb2780	Line	S358 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb2781	Line	S358 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb2782	Line	S358 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb2783	Line	S358 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb2784	Line	S358	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	7.120	From end								
Slb2785	Line	S358	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb2786	Line	S358	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb2787	Line	S358	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb2788	Line	S358	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb2789	Line	S358	8.560	Abso	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
		GCS	10.500	From end								
Slb2790	Line	S358	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb2791	Line	S358	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb2792	Line	S358	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb2793	Line	S358	11.480	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
		GCS	11.800	From end								
Slb2794	Line	S358	11.800	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	12.120	From end								
Slb2795	Line	S358	12.120	Abso	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
		GCS	12.700	From end								
Slb2796	Line	S358	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb2797	Line	S358	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb2798	Line	S358	12.960	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	16.360	From end								
Slb2799	Line	S358	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
Slb2800	Line	S358	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb2801	Line	S358	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb2802	Line	S358	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb2803	Line	S358	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb2804	Line	S358	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb2805	Line	S358	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb2806	Line	S358	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb2807	Line	S358	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb2808	Line	S358	23.560	Abso	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
		GCS	24.990	From end								
Slb2809	Line	S359	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb2810	Line	S359	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb2811	Line	S359	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb2812	Line	S359	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb2813	Line	S359	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb2814	Line	S359	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb2815	Line	S359	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb2816	Line	S359	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb2817	Line	S359 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb2818	Line	S359 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb2819	Line	S359 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb2820	Line	S359 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb2821	Line	S359 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb2822	Line	S359 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb2823	Line	S359 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb2824	Line	S359 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb2825	Line	S359 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb2826	Line	S359 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb2827	Line	S359 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb2828	Line	S359 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb2829	Line	S359 GCS	11.480 11.800	Abso From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
Slb2830	Line	S359 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb2831	Line	S359 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb2832	Line	S359 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb2833	Line	S359 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb2834	Line	S359 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb2835	Line	S359 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb2836	Line	S359 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb2837	Line	S359 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb2838	Line	S359 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb2839	Line	S359 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb2840	Line	S359 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb2841	Line	S359 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb2842	Line	S359 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb2843	Line	S359 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb2844	Line	S359 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb2845	Line	S360 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb2846	Line	S360 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb2847	Line	S360 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb2848	Line	S360 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb2849	Line	S360	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	1.680	From end								
Slb2850	Line	S360	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb2851	Line	S360	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb2852	Line	S360	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb2853	Line	S360	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb2854	Line	S360	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb2855	Line	S360	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb2856	Line	S360	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb2857	Line	S360	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb2858	Line	S360	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb2859	Line	S360	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb2860	Line	S360	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb2861	Line	S360	8.560	Abso	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
		GCS	10.500	From end								
Slb2862	Line	S360	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb2863	Line	S360	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb2864	Line	S360	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb2865	Line	S360	11.480	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
		GCS	11.800	From end								
Slb2866	Line	S360	11.800	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	12.120	From end								
Slb2867	Line	S360	12.120	Abso	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
		GCS	12.700	From end								
Slb2868	Line	S360	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb2869	Line	S360	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb2870	Line	S360	12.960	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	16.360	From end								
Slb2871	Line	S360	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
Slb2872	Line	S360	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb2873	Line	S360	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb2874	Line	S360	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb2875	Line	S360	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb2876	Line	S360	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb2877	Line	S360	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb2878	Line	S360	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb2879	Line	S360	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb2880	Line	S360	23.560	Abso	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
		GCS	24.990	From end								
Slb2881	Line	S361	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb2882	Line	S361 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb2883	Line	S361 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb2884	Line	S361 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb2885	Line	S361 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb2886	Line	S361 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb2887	Line	S361 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb2888	Line	S361 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb2889	Line	S361 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb2890	Line	S361 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb2891	Line	S361 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb2892	Line	S361 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb2893	Line	S361 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb2894	Line	S361 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb2895	Line	S361 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb2896	Line	S361 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb2897	Line	S361 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb2898	Line	S361 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb2899	Line	S361 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb2900	Line	S361 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb2901	Line	S361 GCS	11.480 11.800	Abso From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
Slb2902	Line	S361 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb2903	Line	S361 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb2904	Line	S361 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb2905	Line	S361 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb2906	Line	S361 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb2907	Line	S361 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb2908	Line	S361 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb2909	Line	S361 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb2910	Line	S361 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb2911	Line	S361 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb2912	Line	S361 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb2913	Line	S361 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb2914	Line	S361	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	22.540	From end								
Slb2915	Line	S361	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb2916	Line	S361	23.560	Abso	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
		GCS	24.990	From end								
Slb2917	Line	S362	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb2918	Line	S362	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb2919	Line	S362	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb2920	Line	S362	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb2921	Line	S362	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb2922	Line	S362	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb2923	Line	S362	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb2924	Line	S362	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb2925	Line	S362	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb2926	Line	S362	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb2927	Line	S362	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb2928	Line	S362	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb2929	Line	S362	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb2930	Line	S362	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb2931	Line	S362	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb2932	Line	S362	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb2933	Line	S362	8.560	Abso	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
		GCS	10.500	From end								
Slb2934	Line	S362	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb2935	Line	S362	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb2936	Line	S362	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb2937	Line	S362	11.480	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
		GCS	11.800	From end								
Slb2938	Line	S362	11.800	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	12.120	From end								
Slb2939	Line	S362	12.120	Abso	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
		GCS	12.700	From end								
Slb2940	Line	S362	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb2941	Line	S362	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb2942	Line	S362	12.960	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	16.360	From end								
Slb2943	Line	S362	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
Slb2944	Line	S362	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb2945	Line	S362	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb2946	Line	S362	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb2947	Line	S362 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb2948	Line	S362 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb2949	Line	S362 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb2950	Line	S362 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb2951	Line	S362 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb2952	Line	S362 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb2953	Line	S363 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb2954	Line	S363 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb2955	Line	S363 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb2956	Line	S363 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb2957	Line	S363 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb2958	Line	S363 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb2959	Line	S363 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb2960	Line	S363 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb2961	Line	S363 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb2962	Line	S363 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb2963	Line	S363 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb2964	Line	S363 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb2965	Line	S363 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb2966	Line	S363 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb2967	Line	S363 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb2968	Line	S363 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb2969	Line	S363 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb2970	Line	S363 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb2971	Line	S363 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb2972	Line	S363 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb2973	Line	S363 GCS	11.480 11.800	Abso From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
Slb2974	Line	S363 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb2975	Line	S363 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb2976	Line	S363 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb2977	Line	S363 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb2978	Line	S363 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb2979	Line	S363	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	16.440	From end								
Slb2980	Line	S363	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb2981	Line	S363	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb2982	Line	S363	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb2983	Line	S363	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb2984	Line	S363	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb2985	Line	S363	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb2986	Line	S363	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb2987	Line	S363	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb2988	Line	S363	23.560	Abso	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
		GCS	24.990	From end								
Slb2989	Line	S364	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb2990	Line	S364	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb2991	Line	S364	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb2992	Line	S364	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb2993	Line	S364	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb2994	Line	S364	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb2995	Line	S364	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb2996	Line	S364	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb2997	Line	S364	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb2998	Line	S364	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb2999	Line	S364	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb3000	Line	S364	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb3001	Line	S364	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb3002	Line	S364	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb3003	Line	S364	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb3004	Line	S364	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb3005	Line	S364	8.560	Abso	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
		GCS	10.500	From end								
Slb3006	Line	S364	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb3007	Line	S364	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb3008	Line	S364	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb3009	Line	S364	11.480	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
		GCS	11.800	From end								
Slb3010	Line	S364	11.800	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	12.120	From end								
Slb3011	Line	S364	12.120	Abso	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
		GCS	12.700	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb3012	Line	S364 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb3013	Line	S364 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb3014	Line	S364 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb3015	Line	S364 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb3016	Line	S364 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb3017	Line	S364 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb3018	Line	S364 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb3019	Line	S364 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb3020	Line	S364 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb3021	Line	S364 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb3022	Line	S364 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb3023	Line	S364 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb3024	Line	S364 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb3025	Line	S365 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb3026	Line	S365 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb3027	Line	S365 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb3028	Line	S365 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb3029	Line	S365 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb3030	Line	S365 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb3031	Line	S365 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb3032	Line	S365 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb3033	Line	S365 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb3034	Line	S365 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb3035	Line	S365 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb3036	Line	S365 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb3037	Line	S365 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb3038	Line	S365 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb3039	Line	S365 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb3040	Line	S365 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb3041	Line	S365 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb3042	Line	S365 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb3043	Line	S365 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb3044	Line	S365	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	11.480	From end								
Slb3045	Line	S365	11.480	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
		GCS	11.800	From end								
Slb3046	Line	S365	11.800	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	12.120	From end								
Slb3047	Line	S365	12.120	Abso	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
		GCS	12.700	From end								
Slb3048	Line	S365	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb3049	Line	S365	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb3050	Line	S365	12.960	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	16.360	From end								
Slb3051	Line	S365	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
Slb3052	Line	S365	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb3053	Line	S365	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb3054	Line	S365	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb3055	Line	S365	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb3056	Line	S365	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb3057	Line	S365	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb3058	Line	S365	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb3059	Line	S365	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb3060	Line	S365	23.560	Abso	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
		GCS	24.990	From end								
Slb3061	Line	S366	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb3062	Line	S366	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb3063	Line	S366	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb3064	Line	S366	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb3065	Line	S366	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb3066	Line	S366	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb3067	Line	S366	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb3068	Line	S366	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb3069	Line	S366	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb3070	Line	S366	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb3071	Line	S366	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb3072	Line	S366	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb3073	Line	S366	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb3074	Line	S366	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb3075	Line	S366	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb3076	Line	S366	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb3077	Line	S366 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb3078	Line	S366 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb3079	Line	S366 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb3080	Line	S366 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb3081	Line	S366 GCS	11.480 11.800	Abso From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
Slb3082	Line	S366 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb3083	Line	S366 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb3084	Line	S366 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb3085	Line	S366 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb3086	Line	S366 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb3087	Line	S366 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb3088	Line	S366 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb3089	Line	S366 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb3090	Line	S366 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb3091	Line	S366 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb3092	Line	S366 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb3093	Line	S366 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb3094	Line	S366 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb3095	Line	S366 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb3096	Line	S366 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb3097	Line	S367 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb3098	Line	S367 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb3099	Line	S367 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb3100	Line	S367 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb3101	Line	S367 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb3102	Line	S367 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb3103	Line	S367 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb3104	Line	S367 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb3105	Line	S367 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb3106	Line	S367 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb3107	Line	S367 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb3108	Line	S367 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb3109	Line	S367	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	7.820	From end								
Slb3110	Line	S367	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb3111	Line	S367	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb3112	Line	S367	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb3113	Line	S367	8.560	Abso	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
		GCS	10.500	From end								
Slb3114	Line	S367	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb3115	Line	S367	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb3116	Line	S367	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb3117	Line	S367	11.480	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
		GCS	11.800	From end								
Slb3118	Line	S367	11.800	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	12.120	From end								
Slb3119	Line	S367	12.120	Abso	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
		GCS	12.700	From end								
Slb3120	Line	S367	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb3121	Line	S367	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb3122	Line	S367	12.960	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	16.360	From end								
Slb3123	Line	S367	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
Slb3124	Line	S367	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb3125	Line	S367	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb3126	Line	S367	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb3127	Line	S367	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb3128	Line	S367	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb3129	Line	S367	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb3130	Line	S367	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb3131	Line	S367	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb3132	Line	S367	23.560	Abso	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
		GCS	24.990	From end								
Slb3133	Line	S368	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb3134	Line	S368	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb3135	Line	S368	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb3136	Line	S368	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb3137	Line	S368	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb3138	Line	S368	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb3139	Line	S368	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb3140	Line	S368	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb3141	Line	S368	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb3142	Line	S368 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb3143	Line	S368 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb3144	Line	S368 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb3145	Line	S368 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb3146	Line	S368 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb3147	Line	S368 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb3148	Line	S368 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb3149	Line	S368 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb3150	Line	S368 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb3151	Line	S368 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb3152	Line	S368 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb3153	Line	S368 GCS	11.480 11.800	Abso From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
Slb3154	Line	S368 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb3155	Line	S368 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb3156	Line	S368 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb3157	Line	S368 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb3158	Line	S368 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb3159	Line	S368 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb3160	Line	S368 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb3161	Line	S368 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb3162	Line	S368 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb3163	Line	S368 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb3164	Line	S368 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb3165	Line	S368 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb3166	Line	S368 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb3167	Line	S368 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb3168	Line	S368 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb3169	Line	S369 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb3170	Line	S369 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb3171	Line	S369 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb3172	Line	S369 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb3173	Line	S369 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb3174	Line	S369	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	2.100	From end								
Slb3175	Line	S369	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb3176	Line	S369	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb3177	Line	S369	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb3178	Line	S369	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb3179	Line	S369	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb3180	Line	S369	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb3181	Line	S369	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb3182	Line	S369	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb3183	Line	S369	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb3184	Line	S369	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb3185	Line	S369	8.560	Abso	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
		GCS	10.500	From end								
Slb3186	Line	S369	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb3187	Line	S369	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb3188	Line	S369	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb3189	Line	S369	11.480	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
		GCS	11.800	From end								
Slb3190	Line	S369	11.800	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	12.120	From end								
Slb3191	Line	S369	12.120	Abso	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
		GCS	12.700	From end								
Slb3192	Line	S369	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb3193	Line	S369	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb3194	Line	S369	12.960	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	16.360	From end								
Slb3195	Line	S369	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
Slb3196	Line	S369	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb3197	Line	S369	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb3198	Line	S369	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb3199	Line	S369	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb3200	Line	S369	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb3201	Line	S369	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb3202	Line	S369	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb3203	Line	S369	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb3204	Line	S369	23.560	Abso	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
		GCS	24.990	From end								
Slb3205	Line	S370	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb3206	Line	S370	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb3207	Line	S370 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb3208	Line	S370 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb3209	Line	S370 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb3210	Line	S370 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb3211	Line	S370 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb3212	Line	S370 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb3213	Line	S370 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb3214	Line	S370 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb3215	Line	S370 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb3216	Line	S370 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb3217	Line	S370 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb3218	Line	S370 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb3219	Line	S370 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb3220	Line	S370 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb3221	Line	S370 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb3222	Line	S370 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb3223	Line	S370 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb3224	Line	S370 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb3225	Line	S370 GCS	11.480 11.800	Abso From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
Slb3226	Line	S370 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb3227	Line	S370 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb3228	Line	S370 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb3229	Line	S370 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb3230	Line	S370 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb3231	Line	S370 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb3232	Line	S370 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb3233	Line	S370 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb3234	Line	S370 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb3235	Line	S370 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb3236	Line	S370 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb3237	Line	S370 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb3238	Line	S370 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb3239	Line	S370	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	23.560	From end								
Slb3240	Line	S370	23.560	Abso	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
		GCS	24.990	From end								
Slb3241	Line	S371	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb3242	Line	S371	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb3243	Line	S371	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb3244	Line	S371	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb3245	Line	S371	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb3246	Line	S371	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb3247	Line	S371	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb3248	Line	S371	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb3249	Line	S371	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb3250	Line	S371	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb3251	Line	S371	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb3252	Line	S371	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb3253	Line	S371	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb3254	Line	S371	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb3255	Line	S371	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb3256	Line	S371	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb3257	Line	S371	8.560	Abso	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
		GCS	10.500	From end								
Slb3258	Line	S371	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb3259	Line	S371	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb3260	Line	S371	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb3261	Line	S371	11.480	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
		GCS	11.800	From end								
Slb3262	Line	S371	11.800	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	12.120	From end								
Slb3263	Line	S371	12.120	Abso	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
		GCS	12.700	From end								
Slb3264	Line	S371	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb3265	Line	S371	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb3266	Line	S371	12.960	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	16.360	From end								
Slb3267	Line	S371	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
Slb3268	Line	S371	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb3269	Line	S371	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb3270	Line	S371	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb3271	Line	S371	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb3272	Line	S371 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb3273	Line	S371 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb3274	Line	S371 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb3275	Line	S371 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb3276	Line	S371 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb3277	Line	S372 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb3278	Line	S372 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb3279	Line	S372 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb3280	Line	S372 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb3281	Line	S372 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb3282	Line	S372 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb3283	Line	S372 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb3284	Line	S372 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb3285	Line	S372 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb3286	Line	S372 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb3287	Line	S372 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb3288	Line	S372 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb3289	Line	S372 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb3290	Line	S372 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb3291	Line	S372 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb3292	Line	S372 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb3293	Line	S372 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb3294	Line	S372 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb3295	Line	S372 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb3296	Line	S372 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb3297	Line	S372 GCS	11.480 11.800	Abso From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
Slb3298	Line	S372 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb3299	Line	S372 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb3300	Line	S372 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb3301	Line	S372 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb3302	Line	S372 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb3303	Line	S372 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb3304	Line	S372	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	17.820	From end								
Slb3305	Line	S372	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb3306	Line	S372	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb3307	Line	S372	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb3308	Line	S372	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb3309	Line	S372	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb3310	Line	S372	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb3311	Line	S372	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb3312	Line	S372	23.560	Abso	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
		GCS	24.990	From end								
Slb3313	Line	S373	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb3314	Line	S373	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb3315	Line	S373	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb3316	Line	S373	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb3317	Line	S373	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb3318	Line	S373	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb3319	Line	S373	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb3320	Line	S373	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb3321	Line	S373	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb3322	Line	S373	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb3323	Line	S373	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb3324	Line	S373	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb3325	Line	S373	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb3326	Line	S373	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb3327	Line	S373	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb3328	Line	S373	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb3329	Line	S373	8.560	Abso	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
		GCS	10.500	From end								
Slb3330	Line	S373	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb3331	Line	S373	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb3332	Line	S373	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb3333	Line	S373	11.480	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
		GCS	11.800	From end								
Slb3334	Line	S373	11.800	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	12.120	From end								
Slb3335	Line	S373	12.120	Abso	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
		GCS	12.700	From end								
Slb3336	Line	S373	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb3337	Line	S373 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb3338	Line	S373 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb3339	Line	S373 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb3340	Line	S373 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb3341	Line	S373 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb3342	Line	S373 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb3343	Line	S373 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb3344	Line	S373 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb3345	Line	S373 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb3346	Line	S373 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb3347	Line	S373 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb3348	Line	S373 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb3349	Line	S374 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb3350	Line	S374 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb3351	Line	S374 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb3352	Line	S374 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb3353	Line	S374 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb3354	Line	S374 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb3355	Line	S374 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb3356	Line	S374 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb3357	Line	S374 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb3358	Line	S374 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb3359	Line	S374 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb3360	Line	S374 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb3361	Line	S374 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb3362	Line	S374 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb3363	Line	S374 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb3364	Line	S374 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb3365	Line	S374 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb3366	Line	S374 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb3367	Line	S374 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb3368	Line	S374 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb3369	Line	S374	11.480	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	11.800	From end								
Slb3370	Line	S374	11.800	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	12.120	From end								
Slb3371	Line	S374	12.120	Abso	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
		GCS	12.700	From end								
Slb3372	Line	S374	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb3373	Line	S374	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb3374	Line	S374	12.960	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	16.360	From end								
Slb3375	Line	S374	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
Slb3376	Line	S374	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb3377	Line	S374	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb3378	Line	S374	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb3379	Line	S374	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb3380	Line	S374	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb3381	Line	S374	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb3382	Line	S374	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb3383	Line	S374	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb3384	Line	S374	23.560	Abso	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
		GCS	24.990	From end								
Slb3385	Line	S375	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb3386	Line	S375	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb3387	Line	S375	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb3388	Line	S375	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb3389	Line	S375	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb3390	Line	S375	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb3391	Line	S375	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb3392	Line	S375	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb3393	Line	S375	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb3394	Line	S375	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb3395	Line	S375	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb3396	Line	S375	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb3397	Line	S375	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb3398	Line	S375	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb3399	Line	S375	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb3400	Line	S375	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb3401	Line	S375	8.560	Abso	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
		GCS	10.500	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb3402	Line	S375 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb3403	Line	S375 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb3404	Line	S375 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb3405	Line	S375 GCS	11.480 11.800	Abso From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
Slb3406	Line	S375 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb3407	Line	S375 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb3408	Line	S375 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb3409	Line	S375 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb3410	Line	S375 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb3411	Line	S375 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb3412	Line	S375 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb3413	Line	S375 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb3414	Line	S375 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb3415	Line	S375 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb3416	Line	S375 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb3417	Line	S375 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb3418	Line	S375 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb3419	Line	S375 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb3420	Line	S375 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb3421	Line	S376 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb3422	Line	S376 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb3423	Line	S376 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb3424	Line	S376 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb3425	Line	S376 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb3426	Line	S376 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb3427	Line	S376 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb3428	Line	S376 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb3429	Line	S376 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb3430	Line	S376 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb3431	Line	S376 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb3432	Line	S376 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb3433	Line	S376 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb3434	Line	S376	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	7.880	From end								
Slb3435	Line	S376	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb3436	Line	S376	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb3437	Line	S376	8.560	Abso	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
		GCS	10.500	From end								
Slb3438	Line	S376	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb3439	Line	S376	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb3440	Line	S376	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb3441	Line	S376	11.480	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
		GCS	11.800	From end								
Slb3442	Line	S376	11.800	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	12.120	From end								
Slb3443	Line	S376	12.120	Abso	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
		GCS	12.700	From end								
Slb3444	Line	S376	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb3445	Line	S376	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb3446	Line	S376	12.960	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	16.360	From end								
Slb3447	Line	S376	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
Slb3448	Line	S376	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb3449	Line	S376	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb3450	Line	S376	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb3451	Line	S376	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb3452	Line	S376	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb3453	Line	S376	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb3454	Line	S376	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb3455	Line	S376	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb3456	Line	S376	23.560	Abso	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
		GCS	24.990	From end								
Slb3457	Line	S377	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb3458	Line	S377	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb3459	Line	S377	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb3460	Line	S377	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb3461	Line	S377	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb3462	Line	S377	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb3463	Line	S377	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb3464	Line	S377	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb3465	Line	S377	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb3466	Line	S377	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb3467	Line	S377 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb3468	Line	S377 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb3469	Line	S377 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb3470	Line	S377 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb3471	Line	S377 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb3472	Line	S377 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb3473	Line	S377 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb3474	Line	S377 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb3475	Line	S377 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb3476	Line	S377 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb3477	Line	S377 GCS	11.480 11.800	Abso From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
Slb3478	Line	S377 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb3479	Line	S377 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb3480	Line	S377 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb3481	Line	S377 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb3482	Line	S377 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb3483	Line	S377 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb3484	Line	S377 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb3485	Line	S377 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb3486	Line	S377 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb3487	Line	S377 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb3488	Line	S377 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb3489	Line	S377 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb3490	Line	S377 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb3491	Line	S377 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb3492	Line	S377 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb3493	Line	S378 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb3494	Line	S378 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb3495	Line	S378 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb3496	Line	S378 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb3497	Line	S378 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb3498	Line	S378 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb3499	Line	S378	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	2.720	From end								
Slb3500	Line	S378	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb3501	Line	S378	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb3502	Line	S378	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb3503	Line	S378	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb3504	Line	S378	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb3505	Line	S378	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb3506	Line	S378	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb3507	Line	S378	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb3508	Line	S378	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb3509	Line	S378	8.560	Abso	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
		GCS	10.500	From end								
Slb3510	Line	S378	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb3511	Line	S378	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb3512	Line	S378	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb3513	Line	S378	11.480	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
		GCS	11.800	From end								
Slb3514	Line	S378	11.800	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	12.120	From end								
Slb3515	Line	S378	12.120	Abso	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
		GCS	12.700	From end								
Slb3516	Line	S378	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb3517	Line	S378	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb3518	Line	S378	12.960	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	16.360	From end								
Slb3519	Line	S378	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
Slb3520	Line	S378	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb3521	Line	S378	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb3522	Line	S378	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb3523	Line	S378	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb3524	Line	S378	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb3525	Line	S378	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb3526	Line	S378	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb3527	Line	S378	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb3528	Line	S378	23.560	Abso	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
		GCS	24.990	From end								
Slb3529	Line	S379	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb3530	Line	S379	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb3531	Line	S379	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb3532	Line	S379 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb3533	Line	S379 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb3534	Line	S379 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb3535	Line	S379 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb3536	Line	S379 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb3537	Line	S379 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb3538	Line	S379 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb3539	Line	S379 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb3540	Line	S379 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb3541	Line	S379 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb3542	Line	S379 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb3543	Line	S379 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb3544	Line	S379 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb3545	Line	S379 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb3546	Line	S379 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb3547	Line	S379 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb3548	Line	S379 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb3549	Line	S379 GCS	11.480 11.800	Abso From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
Slb3550	Line	S379 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb3551	Line	S379 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb3552	Line	S379 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb3553	Line	S379 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb3554	Line	S379 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb3555	Line	S379 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb3556	Line	S379 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb3557	Line	S379 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb3558	Line	S379 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb3559	Line	S379 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb3560	Line	S379 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb3561	Line	S379 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb3562	Line	S379 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb3563	Line	S379 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb3564	Line	S379	23.560	Abso	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	24.990	From end								
Slb3565	Line	S380	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb3566	Line	S380	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb3567	Line	S380	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb3568	Line	S380	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb3569	Line	S380	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb3570	Line	S380	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb3571	Line	S380	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb3572	Line	S380	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb3573	Line	S380	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb3574	Line	S380	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb3575	Line	S380	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb3576	Line	S380	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb3577	Line	S380	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb3578	Line	S380	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb3579	Line	S380	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb3580	Line	S380	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb3581	Line	S380	8.560	Abso	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
		GCS	10.500	From end								
Slb3582	Line	S380	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb3583	Line	S380	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb3584	Line	S380	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb3585	Line	S380	11.480	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
		GCS	11.800	From end								
Slb3586	Line	S380	11.800	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	12.120	From end								
Slb3587	Line	S380	12.120	Abso	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
		GCS	12.700	From end								
Slb3588	Line	S380	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb3589	Line	S380	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb3590	Line	S380	12.960	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	16.360	From end								
Slb3591	Line	S380	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
Slb3592	Line	S380	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb3593	Line	S380	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb3594	Line	S380	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb3595	Line	S380	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb3596	Line	S380	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb3597	Line	S380 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb3598	Line	S380 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb3599	Line	S380 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb3600	Line	S380 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb3601	Line	S381 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb3602	Line	S381 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb3603	Line	S381 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb3604	Line	S381 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb3605	Line	S381 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb3606	Line	S381 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb3607	Line	S381 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb3608	Line	S381 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb3609	Line	S381 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb3610	Line	S381 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb3611	Line	S381 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb3612	Line	S381 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb3613	Line	S381 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb3614	Line	S381 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb3615	Line	S381 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb3616	Line	S381 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb3617	Line	S381 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb3618	Line	S381 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb3619	Line	S381 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb3620	Line	S381 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb3621	Line	S381 GCS	11.480 11.800	Abso From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
Slb3622	Line	S381 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb3623	Line	S381 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb3624	Line	S381 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb3625	Line	S381 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb3626	Line	S381 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb3627	Line	S381 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb3628	Line	S381 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb3629	Line	S381	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	17.980	From end								
Slb3630	Line	S381	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb3631	Line	S381	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb3632	Line	S381	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb3633	Line	S381	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb3634	Line	S381	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb3635	Line	S381	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb3636	Line	S381	23.560	Abso	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
		GCS	24.990	From end								
Slb3637	Line	S382	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb3638	Line	S382	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb3639	Line	S382	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb3640	Line	S382	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb3641	Line	S382	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb3642	Line	S382	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb3643	Line	S382	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb3644	Line	S382	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb3645	Line	S382	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb3646	Line	S382	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb3647	Line	S382	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb3648	Line	S382	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb3649	Line	S382	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb3650	Line	S382	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb3651	Line	S382	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb3652	Line	S382	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb3653	Line	S382	8.560	Abso	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
		GCS	10.500	From end								
Slb3654	Line	S382	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb3655	Line	S382	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb3656	Line	S382	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb3657	Line	S382	11.480	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
		GCS	11.800	From end								
Slb3658	Line	S382	11.800	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	12.120	From end								
Slb3659	Line	S382	12.120	Abso	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
		GCS	12.700	From end								
Slb3660	Line	S382	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb3661	Line	S382	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb3662	Line	S382 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb3663	Line	S382 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb3664	Line	S382 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb3665	Line	S382 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb3666	Line	S382 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb3667	Line	S382 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb3668	Line	S382 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb3669	Line	S382 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb3670	Line	S382 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb3671	Line	S382 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb3672	Line	S382 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb3673	Line	S383 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb3674	Line	S383 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb3675	Line	S383 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb3676	Line	S383 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb3677	Line	S383 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb3678	Line	S383 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb3679	Line	S383 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb3680	Line	S383 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb3681	Line	S383 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb3682	Line	S383 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb3683	Line	S383 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb3684	Line	S383 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb3685	Line	S383 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb3686	Line	S383 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb3687	Line	S383 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb3688	Line	S383 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb3689	Line	S383 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb3690	Line	S383 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb3691	Line	S383 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb3692	Line	S383 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb3693	Line	S383 GCS	11.480 11.800	Abso From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
Slb3694	Line	S383	11.800	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	12.120	From end								
Slb3695	Line	S383	12.120	Abso	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
		GCS	12.700	From end								
Slb3696	Line	S383	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb3697	Line	S383	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb3698	Line	S383	12.960	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	16.360	From end								
Slb3699	Line	S383	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
Slb3700	Line	S383	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb3701	Line	S383	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb3702	Line	S383	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb3703	Line	S383	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb3704	Line	S383	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb3705	Line	S383	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb3706	Line	S383	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb3707	Line	S383	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb3708	Line	S383	23.560	Abso	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
		GCS	24.990	From end								
Slb3709	Line	S384	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb3710	Line	S384	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb3711	Line	S384	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb3712	Line	S384	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb3713	Line	S384	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb3714	Line	S384	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb3715	Line	S384	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb3716	Line	S384	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb3717	Line	S384	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb3718	Line	S384	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb3719	Line	S384	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb3720	Line	S384	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb3721	Line	S384	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb3722	Line	S384	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb3723	Line	S384	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb3724	Line	S384	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb3725	Line	S384	8.560	Abso	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
		GCS	10.500	From end								
Slb3726	Line	S384	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb3727	Line	S384 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb3728	Line	S384 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb3729	Line	S384 GCS	11.480 11.800	Abso From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
Slb3730	Line	S384 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb3731	Line	S384 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb3732	Line	S384 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb3733	Line	S384 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb3734	Line	S384 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb3735	Line	S384 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb3736	Line	S384 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb3737	Line	S384 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb3738	Line	S384 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb3739	Line	S384 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb3740	Line	S384 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb3741	Line	S384 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb3742	Line	S384 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb3743	Line	S384 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb3744	Line	S384 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb3745	Line	S385 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb3746	Line	S385 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb3747	Line	S385 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb3748	Line	S385 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb3749	Line	S385 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb3750	Line	S385 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb3751	Line	S385 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb3752	Line	S385 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb3753	Line	S385 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb3754	Line	S385 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb3755	Line	S385 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb3756	Line	S385 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb3757	Line	S385 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb3758	Line	S385 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb3759	Line	S385	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	8.200	From end								
Slb3760	Line	S385	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb3761	Line	S385	8.560	Abso	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
		GCS	10.500	From end								
Slb3762	Line	S385	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb3763	Line	S385	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb3764	Line	S385	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb3765	Line	S385	11.480	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
		GCS	11.800	From end								
Slb3766	Line	S385	11.800	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	12.120	From end								
Slb3767	Line	S385	12.120	Abso	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
		GCS	12.700	From end								
Slb3768	Line	S385	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb3769	Line	S385	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb3770	Line	S385	12.960	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	16.360	From end								
Slb3771	Line	S385	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
Slb3772	Line	S385	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb3773	Line	S385	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb3774	Line	S385	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb3775	Line	S385	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb3776	Line	S385	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb3777	Line	S385	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb3778	Line	S385	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb3779	Line	S385	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb3780	Line	S385	23.560	Abso	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
		GCS	24.990	From end								
Slb3781	Line	S386	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb3782	Line	S386	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb3783	Line	S386	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb3784	Line	S386	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb3785	Line	S386	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb3786	Line	S386	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb3787	Line	S386	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb3788	Line	S386	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb3789	Line	S386	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb3790	Line	S386	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb3791	Line	S386	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb3792	Line	S386 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb3793	Line	S386 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb3794	Line	S386 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb3795	Line	S386 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb3796	Line	S386 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb3797	Line	S386 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb3798	Line	S386 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb3799	Line	S386 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb3800	Line	S386 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb3801	Line	S386 GCS	11.480 11.800	Abso From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
Slb3802	Line	S386 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb3803	Line	S386 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb3804	Line	S386 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb3805	Line	S386 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb3806	Line	S386 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb3807	Line	S386 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb3808	Line	S386 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb3809	Line	S386 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb3810	Line	S386 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb3811	Line	S386 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb3812	Line	S386 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb3813	Line	S386 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb3814	Line	S386 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb3815	Line	S386 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb3816	Line	S386 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb3817	Line	S387 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb3818	Line	S387 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb3819	Line	S387 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb3820	Line	S387 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb3821	Line	S387 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb3822	Line	S387 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb3823	Line	S387 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb3824	Line	S387	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	3.080	From end								
Slb3825	Line	S387	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb3826	Line	S387	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb3827	Line	S387	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb3828	Line	S387	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb3829	Line	S387	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb3830	Line	S387	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb3831	Line	S387	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb3832	Line	S387	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb3833	Line	S387	8.560	Abso	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
		GCS	10.500	From end								
Slb3834	Line	S387	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb3835	Line	S387	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb3836	Line	S387	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb3837	Line	S387	11.480	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
		GCS	11.800	From end								
Slb3838	Line	S387	11.800	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	12.120	From end								
Slb3839	Line	S387	12.120	Abso	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
		GCS	12.700	From end								
Slb3840	Line	S387	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb3841	Line	S387	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb3842	Line	S387	12.960	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	16.360	From end								
Slb3843	Line	S387	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
Slb3844	Line	S387	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb3845	Line	S387	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb3846	Line	S387	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb3847	Line	S387	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb3848	Line	S387	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb3849	Line	S387	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb3850	Line	S387	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb3851	Line	S387	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb3852	Line	S387	23.560	Abso	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
		GCS	24.990	From end								
Slb3853	Line	S388	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb3854	Line	S388	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb3855	Line	S388	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb3856	Line	S388	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb3857	Line	S388 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb3858	Line	S388 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb3859	Line	S388 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb3860	Line	S388 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb3861	Line	S388 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb3862	Line	S388 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb3863	Line	S388 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb3864	Line	S388 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb3865	Line	S388 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb3866	Line	S388 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb3867	Line	S388 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb3868	Line	S388 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb3869	Line	S388 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb3870	Line	S388 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb3871	Line	S388 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb3872	Line	S388 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb3873	Line	S388 GCS	11.480 11.800	Abso From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
Slb3874	Line	S388 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb3875	Line	S388 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb3876	Line	S388 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb3877	Line	S388 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb3878	Line	S388 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb3879	Line	S388 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb3880	Line	S388 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb3881	Line	S388 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb3882	Line	S388 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb3883	Line	S388 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb3884	Line	S388 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb3885	Line	S388 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb3886	Line	S388 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb3887	Line	S388 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb3888	Line	S388 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb3889	Line	S389	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	1.020	From end								
Slb3890	Line	S389	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb3891	Line	S389	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb3892	Line	S389	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb3893	Line	S389	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb3894	Line	S389	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb3895	Line	S389	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb3896	Line	S389	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb3897	Line	S389	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb3898	Line	S389	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb3899	Line	S389	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb3900	Line	S389	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb3901	Line	S389	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb3902	Line	S389	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb3903	Line	S389	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb3904	Line	S389	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb3905	Line	S389	8.560	Abso	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
		GCS	10.500	From end								
Slb3906	Line	S389	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb3907	Line	S389	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb3908	Line	S389	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb3909	Line	S389	11.480	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
		GCS	11.800	From end								
Slb3910	Line	S389	11.800	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	12.120	From end								
Slb3911	Line	S389	12.120	Abso	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
		GCS	12.700	From end								
Slb3912	Line	S389	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb3913	Line	S389	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb3914	Line	S389	12.960	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	16.360	From end								
Slb3915	Line	S389	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
Slb3916	Line	S389	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb3917	Line	S389	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb3918	Line	S389	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb3919	Line	S389	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb3920	Line	S389	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb3921	Line	S389	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb3922	Line	S389 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb3923	Line	S389 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb3924	Line	S389 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb3925	Line	S390 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb3926	Line	S390 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb3927	Line	S390 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb3928	Line	S390 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb3929	Line	S390 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb3930	Line	S390 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb3931	Line	S390 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb3932	Line	S390 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb3933	Line	S390 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb3934	Line	S390 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb3935	Line	S390 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb3936	Line	S390 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb3937	Line	S390 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb3938	Line	S390 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb3939	Line	S390 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb3940	Line	S390 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb3941	Line	S390 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb3942	Line	S390 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb3943	Line	S390 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb3944	Line	S390 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb3945	Line	S390 GCS	11.480 11.800	Abso From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
Slb3946	Line	S390 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb3947	Line	S390 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb3948	Line	S390 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb3949	Line	S390 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb3950	Line	S390 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb3951	Line	S390 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb3952	Line	S390 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb3953	Line	S390 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb3954	Line	S390	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	18.300	From end								
Slb3955	Line	S390	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb3956	Line	S390	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb3957	Line	S390	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb3958	Line	S390	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb3959	Line	S390	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb3960	Line	S390	23.560	Abso	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
		GCS	24.990	From end								
Slb3961	Line	S391	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb3962	Line	S391	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb3963	Line	S391	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb3964	Line	S391	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb3965	Line	S391	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb3966	Line	S391	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb3967	Line	S391	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb3968	Line	S391	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb3969	Line	S391	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb3970	Line	S391	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb3971	Line	S391	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb3972	Line	S391	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb3973	Line	S391	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb3974	Line	S391	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb3975	Line	S391	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb3976	Line	S391	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb3977	Line	S391	8.560	Abso	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
		GCS	10.500	From end								
Slb3978	Line	S391	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb3979	Line	S391	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb3980	Line	S391	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb3981	Line	S391	11.480	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
		GCS	11.800	From end								
Slb3982	Line	S391	11.800	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	12.120	From end								
Slb3983	Line	S391	12.120	Abso	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
		GCS	12.700	From end								
Slb3984	Line	S391	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb3985	Line	S391	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb3986	Line	S391	12.960	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	16.360	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb3987	Line	S391 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb3988	Line	S391 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb3989	Line	S391 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb3990	Line	S391 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb3991	Line	S391 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb3992	Line	S391 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb3993	Line	S391 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb3994	Line	S391 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb3995	Line	S391 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb3996	Line	S391 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb3997	Line	S392 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb3998	Line	S392 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb3999	Line	S392 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb4000	Line	S392 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb4001	Line	S392 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb4002	Line	S392 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb4003	Line	S392 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb4004	Line	S392 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb4005	Line	S392 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb4006	Line	S392 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb4007	Line	S392 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb4008	Line	S392 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb4009	Line	S392 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb4010	Line	S392 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb4011	Line	S392 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb4012	Line	S392 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb4013	Line	S392 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb4014	Line	S392 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb4015	Line	S392 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb4016	Line	S392 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb4017	Line	S392 GCS	11.480 11.800	Abso From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
Slb4018	Line	S392 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb4019	Line	S392	12.120	Abso	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	12.700	From end								
Slb4020	Line	S392	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb4021	Line	S392	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb4022	Line	S392	12.960	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	16.360	From end								
Slb4023	Line	S392	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
Slb4024	Line	S392	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb4025	Line	S392	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb4026	Line	S392	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb4027	Line	S392	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb4028	Line	S392	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb4029	Line	S392	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb4030	Line	S392	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb4031	Line	S392	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb4032	Line	S392	23.560	Abso	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
		GCS	24.990	From end								
Slb4033	Line	S393	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb4034	Line	S393	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb4035	Line	S393	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb4036	Line	S393	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb4037	Line	S393	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb4038	Line	S393	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb4039	Line	S393	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb4040	Line	S393	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb4041	Line	S393	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb4042	Line	S393	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb4043	Line	S393	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb4044	Line	S393	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb4045	Line	S393	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb4046	Line	S393	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb4047	Line	S393	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb4048	Line	S393	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb4049	Line	S393	8.560	Abso	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
		GCS	10.500	From end								
Slb4050	Line	S393	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb4051	Line	S393	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb4052	Line	S393 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb4053	Line	S393 GCS	11.480 11.800	Abso From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
Slb4054	Line	S393 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb4055	Line	S393 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb4056	Line	S393 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb4057	Line	S393 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb4058	Line	S393 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb4059	Line	S393 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb4060	Line	S393 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb4061	Line	S393 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb4062	Line	S393 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb4063	Line	S393 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb4064	Line	S393 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb4065	Line	S393 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb4066	Line	S393 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb4067	Line	S393 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb4068	Line	S393 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb4069	Line	S394 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb4070	Line	S394 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb4071	Line	S394 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb4072	Line	S394 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb4073	Line	S394 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb4074	Line	S394 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb4075	Line	S394 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb4076	Line	S394 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb4077	Line	S394 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb4078	Line	S394 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb4079	Line	S394 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb4080	Line	S394 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb4081	Line	S394 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb4082	Line	S394 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb4083	Line	S394 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb4084	Line	S394	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	8.560	From end								
Slb4085	Line	S394	8.560	Abso	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
		GCS	10.500	From end								
Slb4086	Line	S394	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb4087	Line	S394	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb4088	Line	S394	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb4089	Line	S394	11.480	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
		GCS	11.800	From end								
Slb4090	Line	S394	11.800	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	12.120	From end								
Slb4091	Line	S394	12.120	Abso	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
		GCS	12.700	From end								
Slb4092	Line	S394	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb4093	Line	S394	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb4094	Line	S394	12.960	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	16.360	From end								
Slb4095	Line	S394	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
Slb4096	Line	S394	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb4097	Line	S394	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb4098	Line	S394	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb4099	Line	S394	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb4100	Line	S394	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb4101	Line	S394	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb4102	Line	S394	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb4103	Line	S394	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb4104	Line	S394	23.560	Abso	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
		GCS	24.990	From end								
Slb4105	Line	S395	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb4106	Line	S395	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb4107	Line	S395	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb4108	Line	S395	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb4109	Line	S395	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb4110	Line	S395	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb4111	Line	S395	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb4112	Line	S395	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb4113	Line	S395	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb4114	Line	S395	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb4115	Line	S395	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb4116	Line	S395	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb4117	Line	S395 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb4118	Line	S395 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb4119	Line	S395 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb4120	Line	S395 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb4121	Line	S395 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb4122	Line	S395 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb4123	Line	S395 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb4124	Line	S395 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb4125	Line	S395 GCS	11.480 11.800	Abso From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
Slb4126	Line	S395 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb4127	Line	S395 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb4128	Line	S395 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb4129	Line	S395 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb4130	Line	S395 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb4131	Line	S395 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb4132	Line	S395 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb4133	Line	S395 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb4134	Line	S395 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb4135	Line	S395 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb4136	Line	S395 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb4137	Line	S395 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb4138	Line	S395 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb4139	Line	S395 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb4140	Line	S395 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb4141	Line	S396 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb4142	Line	S396 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb4143	Line	S396 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb4144	Line	S396 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb4145	Line	S396 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb4146	Line	S396 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb4147	Line	S396 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb4148	Line	S396 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb4149	Line	S396	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	3.320	From end								
Slb4150	Line	S396	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb4151	Line	S396	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb4152	Line	S396	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb4153	Line	S396	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb4154	Line	S396	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb4155	Line	S396	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb4156	Line	S396	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb4157	Line	S396	8.560	Abso	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
		GCS	10.500	From end								
Slb4158	Line	S396	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb4159	Line	S396	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb4160	Line	S396	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb4161	Line	S396	11.480	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
		GCS	11.800	From end								
Slb4162	Line	S396	11.800	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	12.120	From end								
Slb4163	Line	S396	12.120	Abso	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
		GCS	12.700	From end								
Slb4164	Line	S396	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb4165	Line	S396	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb4166	Line	S396	12.960	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	16.360	From end								
Slb4167	Line	S396	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
Slb4168	Line	S396	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb4169	Line	S396	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb4170	Line	S396	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb4171	Line	S396	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb4172	Line	S396	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb4173	Line	S396	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb4174	Line	S396	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb4175	Line	S396	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb4176	Line	S396	23.560	Abso	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
		GCS	24.990	From end								
Slb4177	Line	S397	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb4178	Line	S397	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb4179	Line	S397	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb4180	Line	S397	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb4181	Line	S397	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb4182	Line	S397 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb4183	Line	S397 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb4184	Line	S397 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb4185	Line	S397 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb4186	Line	S397 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb4187	Line	S397 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb4188	Line	S397 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb4189	Line	S397 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb4190	Line	S397 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb4191	Line	S397 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb4192	Line	S397 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb4193	Line	S397 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb4194	Line	S397 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb4195	Line	S397 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb4196	Line	S397 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb4197	Line	S397 GCS	11.480 11.800	Abso From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
Slb4198	Line	S397 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb4199	Line	S397 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb4200	Line	S397 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb4201	Line	S397 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb4202	Line	S397 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb4203	Line	S397 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb4204	Line	S397 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb4205	Line	S397 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb4206	Line	S397 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb4207	Line	S397 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb4208	Line	S397 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb4209	Line	S397 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb4210	Line	S397 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb4211	Line	S397 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb4212	Line	S397 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb4213	Line	S398 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb4214	Line	S398	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	1.300	From end								
Slb4215	Line	S398	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb4216	Line	S398	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb4217	Line	S398	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb4218	Line	S398	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb4219	Line	S398	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb4220	Line	S398	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb4221	Line	S398	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb4222	Line	S398	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb4223	Line	S398	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb4224	Line	S398	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb4225	Line	S398	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb4226	Line	S398	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb4227	Line	S398	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb4228	Line	S398	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb4229	Line	S398	8.560	Abso	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
		GCS	10.500	From end								
Slb4230	Line	S398	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb4231	Line	S398	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb4232	Line	S398	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb4233	Line	S398	11.480	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
		GCS	11.800	From end								
Slb4234	Line	S398	11.800	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	12.120	From end								
Slb4235	Line	S398	12.120	Abso	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
		GCS	12.700	From end								
Slb4236	Line	S398	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb4237	Line	S398	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb4238	Line	S398	12.960	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	16.360	From end								
Slb4239	Line	S398	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
Slb4240	Line	S398	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb4241	Line	S398	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb4242	Line	S398	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb4243	Line	S398	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb4244	Line	S398	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb4245	Line	S398	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb4246	Line	S398	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb4247	Line	S398 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb4248	Line	S398 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb4249	Line	S399 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb4250	Line	S399 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb4251	Line	S399 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb4252	Line	S399 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb4253	Line	S399 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb4254	Line	S399 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb4255	Line	S399 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb4256	Line	S399 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb4257	Line	S399 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb4258	Line	S399 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb4259	Line	S399 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb4260	Line	S399 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb4261	Line	S399 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb4262	Line	S399 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb4263	Line	S399 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb4264	Line	S399 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb4265	Line	S399 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb4266	Line	S399 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb4267	Line	S399 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb4268	Line	S399 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb4269	Line	S399 GCS	11.480 11.800	Abso From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
Slb4270	Line	S399 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb4271	Line	S399 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb4272	Line	S399 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb4273	Line	S399 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb4274	Line	S399 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb4275	Line	S399 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb4276	Line	S399 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb4277	Line	S399 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb4278	Line	S399 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb4279	Line	S399	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	19.520	From end								
Slb4280	Line	S399	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb4281	Line	S399	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb4282	Line	S399	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb4283	Line	S399	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb4284	Line	S399	23.560	Abso	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
		GCS	24.990	From end								
Slb4285	Line	S400	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb4286	Line	S400	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb4287	Line	S400	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb4288	Line	S400	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb4289	Line	S400	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb4290	Line	S400	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb4291	Line	S400	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb4292	Line	S400	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb4293	Line	S400	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb4294	Line	S400	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb4295	Line	S400	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb4296	Line	S400	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb4297	Line	S400	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb4298	Line	S400	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb4299	Line	S400	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb4300	Line	S400	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb4301	Line	S400	8.560	Abso	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
		GCS	10.500	From end								
Slb4302	Line	S400	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb4303	Line	S400	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb4304	Line	S400	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb4305	Line	S400	11.480	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
		GCS	11.800	From end								
Slb4306	Line	S400	11.800	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	12.120	From end								
Slb4307	Line	S400	12.120	Abso	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
		GCS	12.700	From end								
Slb4308	Line	S400	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb4309	Line	S400	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb4310	Line	S400	12.960	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	16.360	From end								
Slb4311	Line	S400	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb4312	Line	S400 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb4313	Line	S400 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb4314	Line	S400 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb4315	Line	S400 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb4316	Line	S400 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb4317	Line	S400 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb4318	Line	S400 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb4319	Line	S400 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb4320	Line	S400 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb4321	Line	S401 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb4322	Line	S401 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb4323	Line	S401 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb4324	Line	S401 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb4325	Line	S401 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb4326	Line	S401 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb4327	Line	S401 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb4328	Line	S401 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb4329	Line	S401 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb4330	Line	S401 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb4331	Line	S401 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb4332	Line	S401 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb4333	Line	S401 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb4334	Line	S401 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb4335	Line	S401 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb4336	Line	S401 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb4337	Line	S401 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb4338	Line	S401 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb4339	Line	S401 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb4340	Line	S401 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb4341	Line	S401 GCS	11.480 11.800	Abso From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
Slb4342	Line	S401 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb4343	Line	S401 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb4344	Line	S401	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	12.800	From end								
Slb4345	Line	S401	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb4346	Line	S401	12.960	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	16.360	From end								
Slb4347	Line	S401	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
Slb4348	Line	S401	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb4349	Line	S401	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb4350	Line	S401	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb4351	Line	S401	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb4352	Line	S401	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb4353	Line	S401	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb4354	Line	S401	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb4355	Line	S401	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb4356	Line	S401	23.560	Abso	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
		GCS	24.990	From end								
Slb4357	Line	S402	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb4358	Line	S402	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb4359	Line	S402	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb4360	Line	S402	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb4361	Line	S402	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb4362	Line	S402	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb4363	Line	S402	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb4364	Line	S402	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb4365	Line	S402	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb4366	Line	S402	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb4367	Line	S402	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb4368	Line	S402	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb4369	Line	S402	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb4370	Line	S402	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb4371	Line	S402	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb4372	Line	S402	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb4373	Line	S402	8.560	Abso	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
		GCS	10.500	From end								
Slb4374	Line	S402	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb4375	Line	S402	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb4376	Line	S402	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb4377	Line	S402 GCS	11.480 11.800	Abso From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
Slb4378	Line	S402 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb4379	Line	S402 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb4380	Line	S402 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb4381	Line	S402 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb4382	Line	S402 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb4383	Line	S402 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb4384	Line	S402 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb4385	Line	S402 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb4386	Line	S402 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb4387	Line	S402 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb4388	Line	S402 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb4389	Line	S402 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb4390	Line	S402 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb4391	Line	S402 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb4392	Line	S402 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb4393	Line	S403 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb4394	Line	S403 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb4395	Line	S403 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb4396	Line	S403 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb4397	Line	S403 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb4398	Line	S403 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb4399	Line	S403 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb4400	Line	S403 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb4401	Line	S403 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb4402	Line	S403 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb4403	Line	S403 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb4404	Line	S403 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb4405	Line	S403 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb4406	Line	S403 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb4407	Line	S403 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb4408	Line	S403 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb4409	Line	S403	8.560	Abso	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	10.500	From end								
Slb4410	Line	S403	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb4411	Line	S403	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb4412	Line	S403	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb4413	Line	S403	11.480	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
		GCS	11.800	From end								
Slb4414	Line	S403	11.800	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	12.120	From end								
Slb4415	Line	S403	12.120	Abso	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
		GCS	12.700	From end								
Slb4416	Line	S403	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb4417	Line	S403	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb4418	Line	S403	12.960	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	16.360	From end								
Slb4419	Line	S403	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
Slb4420	Line	S403	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb4421	Line	S403	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb4422	Line	S403	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb4423	Line	S403	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb4424	Line	S403	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb4425	Line	S403	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb4426	Line	S403	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb4427	Line	S403	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb4428	Line	S403	23.560	Abso	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
		GCS	24.990	From end								
Slb4429	Line	S404	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb4430	Line	S404	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb4431	Line	S404	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb4432	Line	S404	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb4433	Line	S404	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb4434	Line	S404	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb4435	Line	S404	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb4436	Line	S404	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb4437	Line	S404	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb4438	Line	S404	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb4439	Line	S404	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb4440	Line	S404	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb4441	Line	S404	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb4442	Line	S404 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb4443	Line	S404 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb4444	Line	S404 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb4445	Line	S404 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb4446	Line	S404 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb4447	Line	S404 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb4448	Line	S404 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb4449	Line	S404 GCS	11.480 11.800	Abso From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
Slb4450	Line	S404 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb4451	Line	S404 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb4452	Line	S404 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb4453	Line	S404 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb4454	Line	S404 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb4455	Line	S404 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb4456	Line	S404 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb4457	Line	S404 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb4458	Line	S404 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb4459	Line	S404 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb4460	Line	S404 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb4461	Line	S404 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb4462	Line	S404 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb4463	Line	S404 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb4464	Line	S404 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb4465	Line	S405 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb4466	Line	S405 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb4467	Line	S405 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb4468	Line	S405 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb4469	Line	S405 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb4470	Line	S405 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb4471	Line	S405 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb4472	Line	S405 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb4473	Line	S405 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb4474	Line	S405	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	4.120	From end								
Slb4475	Line	S405	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb4476	Line	S405	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb4477	Line	S405	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb4478	Line	S405	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb4479	Line	S405	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb4480	Line	S405	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb4481	Line	S405	8.560	Abso	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
		GCS	10.500	From end								
Slb4482	Line	S405	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb4483	Line	S405	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb4484	Line	S405	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb4485	Line	S405	11.480	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
		GCS	11.800	From end								
Slb4486	Line	S405	11.800	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	12.120	From end								
Slb4487	Line	S405	12.120	Abso	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
		GCS	12.700	From end								
Slb4488	Line	S405	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb4489	Line	S405	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb4490	Line	S405	12.960	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	16.360	From end								
Slb4491	Line	S405	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
Slb4492	Line	S405	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb4493	Line	S405	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb4494	Line	S405	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb4495	Line	S405	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb4496	Line	S405	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb4497	Line	S405	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb4498	Line	S405	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb4499	Line	S405	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb4500	Line	S405	23.560	Abso	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
		GCS	24.990	From end								
Slb4501	Line	S406	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb4502	Line	S406	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb4503	Line	S406	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb4504	Line	S406	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb4505	Line	S406	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb4506	Line	S406	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb4507	Line	S406 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb4508	Line	S406 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb4509	Line	S406 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb4510	Line	S406 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb4511	Line	S406 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb4512	Line	S406 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb4513	Line	S406 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb4514	Line	S406 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb4515	Line	S406 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb4516	Line	S406 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb4517	Line	S406 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb4518	Line	S406 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb4519	Line	S406 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb4520	Line	S406 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb4521	Line	S406 GCS	11.480 11.800	Abso From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
Slb4522	Line	S406 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb4523	Line	S406 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb4524	Line	S406 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb4525	Line	S406 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb4526	Line	S406 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb4527	Line	S406 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb4528	Line	S406 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb4529	Line	S406 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb4530	Line	S406 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb4531	Line	S406 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb4532	Line	S406 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb4533	Line	S406 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb4534	Line	S406 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb4535	Line	S406 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb4536	Line	S406 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb4537	Line	S407 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb4538	Line	S407 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb4539	Line	S407	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	1.460	From end								
Slb4540	Line	S407	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb4541	Line	S407	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb4542	Line	S407	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb4543	Line	S407	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb4544	Line	S407	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb4545	Line	S407	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb4546	Line	S407	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb4547	Line	S407	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb4548	Line	S407	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb4549	Line	S407	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb4550	Line	S407	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb4551	Line	S407	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb4552	Line	S407	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb4553	Line	S407	8.560	Abso	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
		GCS	10.500	From end								
Slb4554	Line	S407	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb4555	Line	S407	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb4556	Line	S407	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb4557	Line	S407	11.480	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
		GCS	11.800	From end								
Slb4558	Line	S407	11.800	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	12.120	From end								
Slb4559	Line	S407	12.120	Abso	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
		GCS	12.700	From end								
Slb4560	Line	S407	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb4561	Line	S407	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb4562	Line	S407	12.960	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	16.360	From end								
Slb4563	Line	S407	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
Slb4564	Line	S407	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb4565	Line	S407	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb4566	Line	S407	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb4567	Line	S407	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb4568	Line	S407	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb4569	Line	S407	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb4570	Line	S407	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb4571	Line	S407	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb4572	Line	S407 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb4573	Line	S408 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb4574	Line	S408 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb4575	Line	S408 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb4576	Line	S408 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb4577	Line	S408 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb4578	Line	S408 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb4579	Line	S408 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb4580	Line	S408 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb4581	Line	S408 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb4582	Line	S408 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb4583	Line	S408 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb4584	Line	S408 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb4585	Line	S408 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb4586	Line	S408 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb4587	Line	S408 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb4588	Line	S408 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb4589	Line	S408 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb4590	Line	S408 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb4591	Line	S408 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb4592	Line	S408 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb4593	Line	S408 GCS	11.480 11.800	Abso From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
Slb4594	Line	S408 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb4595	Line	S408 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb4596	Line	S408 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb4597	Line	S408 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb4598	Line	S408 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb4599	Line	S408 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb4600	Line	S408 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb4601	Line	S408 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb4602	Line	S408 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb4603	Line	S408 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb4604	Line	S408	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	19.820	From end								
Slb4605	Line	S408	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb4606	Line	S408	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb4607	Line	S408	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb4608	Line	S408	23.560	Abso	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
		GCS	24.990	From end								
Slb4609	Line	S409	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb4610	Line	S409	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb4611	Line	S409	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb4612	Line	S409	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb4613	Line	S409	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb4614	Line	S409	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb4615	Line	S409	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb4616	Line	S409	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb4617	Line	S409	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb4618	Line	S409	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb4619	Line	S409	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb4620	Line	S409	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb4621	Line	S409	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb4622	Line	S409	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb4623	Line	S409	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb4624	Line	S409	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb4625	Line	S409	8.560	Abso	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
		GCS	10.500	From end								
Slb4626	Line	S409	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb4627	Line	S409	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb4628	Line	S409	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb4629	Line	S409	11.480	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
		GCS	11.800	From end								
Slb4630	Line	S409	11.800	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	12.120	From end								
Slb4631	Line	S409	12.120	Abso	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
		GCS	12.700	From end								
Slb4632	Line	S409	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb4633	Line	S409	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb4634	Line	S409	12.960	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	16.360	From end								
Slb4635	Line	S409	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
Slb4636	Line	S409	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb4637	Line	S409 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb4638	Line	S409 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb4639	Line	S409 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb4640	Line	S409 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb4641	Line	S409 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb4642	Line	S409 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb4643	Line	S409 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb4644	Line	S409 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb4645	Line	S410 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb4646	Line	S410 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb4647	Line	S410 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb4648	Line	S410 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb4649	Line	S410 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb4650	Line	S410 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb4651	Line	S410 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb4652	Line	S410 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb4653	Line	S410 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb4654	Line	S410 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb4655	Line	S410 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb4656	Line	S410 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb4657	Line	S410 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb4658	Line	S410 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb4659	Line	S410 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb4660	Line	S410 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb4661	Line	S410 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb4662	Line	S410 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb4663	Line	S410 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb4664	Line	S410 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb4665	Line	S410 GCS	11.480 11.800	Abso From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
Slb4666	Line	S410 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb4667	Line	S410 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb4668	Line	S410 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb4669	Line	S410	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	12.960	From end								
Slb4670	Line	S410	12.960	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	16.360	From end								
Slb4671	Line	S410	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
Slb4672	Line	S410	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb4673	Line	S410	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb4674	Line	S410	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb4675	Line	S410	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb4676	Line	S410	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb4677	Line	S410	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb4678	Line	S410	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb4679	Line	S410	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb4680	Line	S410	23.560	Abso	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
		GCS	24.990	From end								
Slb4681	Line	S411	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb4682	Line	S411	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb4683	Line	S411	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb4684	Line	S411	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb4685	Line	S411	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb4686	Line	S411	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb4687	Line	S411	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb4688	Line	S411	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb4689	Line	S411	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb4690	Line	S411	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb4691	Line	S411	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb4692	Line	S411	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb4693	Line	S411	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb4694	Line	S411	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb4695	Line	S411	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb4696	Line	S411	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb4697	Line	S411	8.560	Abso	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
		GCS	10.500	From end								
Slb4698	Line	S411	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb4699	Line	S411	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb4700	Line	S411	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb4701	Line	S411	11.480	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
		GCS	11.800	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb4702	Line	S411 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb4703	Line	S411 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb4704	Line	S411 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb4705	Line	S411 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb4706	Line	S411 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb4707	Line	S411 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb4708	Line	S411 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb4709	Line	S411 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb4710	Line	S411 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb4711	Line	S411 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb4712	Line	S411 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb4713	Line	S411 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb4714	Line	S411 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb4715	Line	S411 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb4716	Line	S411 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb4717	Line	S412 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb4718	Line	S412 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb4719	Line	S412 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb4720	Line	S412 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb4721	Line	S412 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb4722	Line	S412 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb4723	Line	S412 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb4724	Line	S412 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb4725	Line	S412 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb4726	Line	S412 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb4727	Line	S412 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb4728	Line	S412 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb4729	Line	S412 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb4730	Line	S412 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb4731	Line	S412 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb4732	Line	S412 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb4733	Line	S412 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb4734	Line	S412	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	10.780	From end								
Slb4735	Line	S412	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb4736	Line	S412	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb4737	Line	S412	11.480	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
		GCS	11.800	From end								
Slb4738	Line	S412	11.800	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	12.120	From end								
Slb4739	Line	S412	12.120	Abso	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
		GCS	12.700	From end								
Slb4740	Line	S412	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb4741	Line	S412	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb4742	Line	S412	12.960	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	16.360	From end								
Slb4743	Line	S412	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
Slb4744	Line	S412	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb4745	Line	S412	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb4746	Line	S412	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb4747	Line	S412	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb4748	Line	S412	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb4749	Line	S412	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb4750	Line	S412	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb4751	Line	S412	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb4752	Line	S412	23.560	Abso	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
		GCS	24.990	From end								
Slb4753	Line	S452	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb4754	Line	S452	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb4755	Line	S452	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb4756	Line	S452	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb4757	Line	S452	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb4758	Line	S452	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb4759	Line	S452	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb4760	Line	S452	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb4761	Line	S452	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb4762	Line	S452	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb4763	Line	S452	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb4764	Line	S452	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb4765	Line	S452	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb4766	Line	S452	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb4767	Line	S452 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb4768	Line	S452 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb4769	Line	S452 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb4770	Line	S452 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb4771	Line	S452 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb4772	Line	S452 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb4773	Line	S452 GCS	11.480 11.800	Abso From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
Slb4774	Line	S452 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb4775	Line	S452 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb4776	Line	S452 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb4777	Line	S452 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb4778	Line	S452 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb4779	Line	S452 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb4780	Line	S452 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb4781	Line	S452 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb4782	Line	S452 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb4783	Line	S452 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb4784	Line	S452 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb4785	Line	S452 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb4786	Line	S452 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb4787	Line	S452 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb4788	Line	S452 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb4789	Line	S453 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb4790	Line	S453 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb4791	Line	S453 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb4792	Line	S453 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb4793	Line	S453 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb4794	Line	S453 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb4795	Line	S453 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb4796	Line	S453 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb4797	Line	S453 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb4798	Line	S453 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb4799	Line	S453	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	5.480	From end								
Slb4800	Line	S453	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb4801	Line	S453	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb4802	Line	S453	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb4803	Line	S453	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb4804	Line	S453	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb4805	Line	S453	8.560	Abso	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
		GCS	10.500	From end								
Slb4806	Line	S453	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb4807	Line	S453	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb4808	Line	S453	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb4809	Line	S453	11.480	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
		GCS	11.800	From end								
Slb4810	Line	S453	11.800	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	12.120	From end								
Slb4811	Line	S453	12.120	Abso	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
		GCS	12.700	From end								
Slb4812	Line	S453	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb4813	Line	S453	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb4814	Line	S453	12.960	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	16.360	From end								
Slb4815	Line	S453	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
Slb4816	Line	S453	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb4817	Line	S453	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb4818	Line	S453	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb4819	Line	S453	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb4820	Line	S453	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb4821	Line	S453	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb4822	Line	S453	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb4823	Line	S453	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb4824	Line	S453	23.560	Abso	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
		GCS	24.990	From end								
Slb4825	Line	S454	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb4826	Line	S454	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb4827	Line	S454	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb4828	Line	S454	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb4829	Line	S454	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb4830	Line	S454	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb4831	Line	S454	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb4832	Line	S454 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb4833	Line	S454 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb4834	Line	S454 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb4835	Line	S454 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb4836	Line	S454 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb4837	Line	S454 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb4838	Line	S454 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb4839	Line	S454 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb4840	Line	S454 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb4841	Line	S454 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb4842	Line	S454 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb4843	Line	S454 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb4844	Line	S454 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb4845	Line	S454 GCS	11.480 11.800	Abso From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
Slb4846	Line	S454 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb4847	Line	S454 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb4848	Line	S454 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb4849	Line	S454 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb4850	Line	S454 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb4851	Line	S454 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb4852	Line	S454 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb4853	Line	S454 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb4854	Line	S454 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb4855	Line	S454 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb4856	Line	S454 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb4857	Line	S454 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb4858	Line	S454 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb4859	Line	S454 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb4860	Line	S454 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb4861	Line	S455 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb4862	Line	S455 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb4863	Line	S455 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb4864	Line	S455	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	1.500	From end								
Slb4865	Line	S455	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb4866	Line	S455	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb4867	Line	S455	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb4868	Line	S455	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb4869	Line	S455	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb4870	Line	S455	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb4871	Line	S455	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb4872	Line	S455	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb4873	Line	S455	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb4874	Line	S455	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb4875	Line	S455	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb4876	Line	S455	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb4877	Line	S455	8.560	Abso	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
		GCS	10.500	From end								
Slb4878	Line	S455	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb4879	Line	S455	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb4880	Line	S455	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb4881	Line	S455	11.480	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
		GCS	11.800	From end								
Slb4882	Line	S455	11.800	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	12.120	From end								
Slb4883	Line	S455	12.120	Abso	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
		GCS	12.700	From end								
Slb4884	Line	S455	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb4885	Line	S455	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb4886	Line	S455	12.960	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	16.360	From end								
Slb4887	Line	S455	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
Slb4888	Line	S455	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb4889	Line	S455	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb4890	Line	S455	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb4891	Line	S455	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb4892	Line	S455	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb4893	Line	S455	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb4894	Line	S455	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb4895	Line	S455	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb4896	Line	S455	23.560	Abso	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
		GCS	24.990	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb4897	Line	S456 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb4898	Line	S456 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb4899	Line	S456 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb4900	Line	S456 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb4901	Line	S456 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb4902	Line	S456 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb4903	Line	S456 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb4904	Line	S456 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb4905	Line	S456 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb4906	Line	S456 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb4907	Line	S456 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb4908	Line	S456 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb4909	Line	S456 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb4910	Line	S456 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb4911	Line	S456 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb4912	Line	S456 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb4913	Line	S456 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb4914	Line	S456 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb4915	Line	S456 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb4916	Line	S456 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb4917	Line	S456 GCS	11.480 11.800	Abso From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
Slb4918	Line	S456 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb4919	Line	S456 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb4920	Line	S456 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb4921	Line	S456 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb4922	Line	S456 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb4923	Line	S456 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb4924	Line	S456 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb4925	Line	S456 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb4926	Line	S456 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb4927	Line	S456 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb4928	Line	S456 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb4929	Line	S456	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	22.380	From end								
Slb4930	Line	S456	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb4931	Line	S456	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb4932	Line	S456	23.560	Abso	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
		GCS	24.990	From end								
Slb4933	Line	S457	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb4934	Line	S457	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb4935	Line	S457	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb4936	Line	S457	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb4937	Line	S457	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb4938	Line	S457	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb4939	Line	S457	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb4940	Line	S457	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb4941	Line	S457	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb4942	Line	S457	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb4943	Line	S457	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb4944	Line	S457	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb4945	Line	S457	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb4946	Line	S457	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb4947	Line	S457	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb4948	Line	S457	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb4949	Line	S457	8.560	Abso	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
		GCS	10.500	From end								
Slb4950	Line	S457	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb4951	Line	S457	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb4952	Line	S457	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb4953	Line	S457	11.480	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
		GCS	11.800	From end								
Slb4954	Line	S457	11.800	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	12.120	From end								
Slb4955	Line	S457	12.120	Abso	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
		GCS	12.700	From end								
Slb4956	Line	S457	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb4957	Line	S457	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb4958	Line	S457	12.960	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	16.360	From end								
Slb4959	Line	S457	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
Slb4960	Line	S457	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb4961	Line	S457	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb4962	Line	S457 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb4963	Line	S457 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb4964	Line	S457 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb4965	Line	S457 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb4966	Line	S457 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb4967	Line	S457 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb4968	Line	S457 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb4969	Line	S458 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb4970	Line	S458 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb4971	Line	S458 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb4972	Line	S458 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb4973	Line	S458 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb4974	Line	S458 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb4975	Line	S458 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb4976	Line	S458 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb4977	Line	S458 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb4978	Line	S458 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb4979	Line	S458 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb4980	Line	S458 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb4981	Line	S458 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb4982	Line	S458 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb4983	Line	S458 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb4984	Line	S458 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb4985	Line	S458 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb4986	Line	S458 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb4987	Line	S458 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb4988	Line	S458 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb4989	Line	S458 GCS	11.480 11.800	Abso From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
Slb4990	Line	S458 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb4991	Line	S458 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb4992	Line	S458 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb4993	Line	S458 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb4994	Line	S458	12.960	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	16.360	From end								
Slb4995	Line	S458	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
Slb4996	Line	S458	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb4997	Line	S458	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb4998	Line	S458	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb4999	Line	S458	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb5000	Line	S458	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb5001	Line	S458	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb5002	Line	S458	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb5003	Line	S458	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb5004	Line	S458	23.560	Abso	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
		GCS	24.990	From end								
Slb5005	Line	S459	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb5006	Line	S459	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb5007	Line	S459	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb5008	Line	S459	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb5009	Line	S459	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb5010	Line	S459	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb5011	Line	S459	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb5012	Line	S459	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb5013	Line	S459	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb5014	Line	S459	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb5015	Line	S459	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb5016	Line	S459	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb5017	Line	S459	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb5018	Line	S459	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb5019	Line	S459	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb5020	Line	S459	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb5021	Line	S459	8.560	Abso	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
		GCS	10.500	From end								
Slb5022	Line	S459	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb5023	Line	S459	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb5024	Line	S459	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb5025	Line	S459	11.480	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
		GCS	11.800	From end								
Slb5026	Line	S459	11.800	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	12.120	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb5027	Line	S459 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb5028	Line	S459 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb5029	Line	S459 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb5030	Line	S459 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb5031	Line	S459 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb5032	Line	S459 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb5033	Line	S459 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb5034	Line	S459 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb5035	Line	S459 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb5036	Line	S459 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb5037	Line	S459 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb5038	Line	S459 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb5039	Line	S459 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb5040	Line	S459 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb5041	Line	S460 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb5042	Line	S460 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb5043	Line	S460 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb5044	Line	S460 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb5045	Line	S460 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb5046	Line	S460 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb5047	Line	S460 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb5048	Line	S460 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb5049	Line	S460 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb5050	Line	S460 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb5051	Line	S460 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb5052	Line	S460 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb5053	Line	S460 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb5054	Line	S460 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb5055	Line	S460 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb5056	Line	S460 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb5057	Line	S460 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb5058	Line	S460 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb5059	Line	S460	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	10.920	From end								
Slb5060	Line	S460	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb5061	Line	S460	11.480	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
		GCS	11.800	From end								
Slb5062	Line	S460	11.800	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	12.120	From end								
Slb5063	Line	S460	12.120	Abso	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
		GCS	12.700	From end								
Slb5064	Line	S460	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb5065	Line	S460	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb5066	Line	S460	12.960	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	16.360	From end								
Slb5067	Line	S460	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
Slb5068	Line	S460	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb5069	Line	S460	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb5070	Line	S460	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb5071	Line	S460	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb5072	Line	S460	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb5073	Line	S460	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb5074	Line	S460	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb5075	Line	S460	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb5076	Line	S460	23.560	Abso	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
		GCS	24.990	From end								
Slb5077	Line	S461	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb5078	Line	S461	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb5079	Line	S461	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb5080	Line	S461	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb5081	Line	S461	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb5082	Line	S461	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb5083	Line	S461	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb5084	Line	S461	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb5085	Line	S461	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb5086	Line	S461	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb5087	Line	S461	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb5088	Line	S461	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb5089	Line	S461	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb5090	Line	S461	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb5091	Line	S461	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb5092	Line	S461 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb5093	Line	S461 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb5094	Line	S461 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb5095	Line	S461 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb5096	Line	S461 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb5097	Line	S461 GCS	11.480 11.800	Abso From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
Slb5098	Line	S461 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb5099	Line	S461 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb5100	Line	S461 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb5101	Line	S461 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb5102	Line	S461 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb5103	Line	S461 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb5104	Line	S461 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb5105	Line	S461 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb5106	Line	S461 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb5107	Line	S461 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb5108	Line	S461 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb5109	Line	S461 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb5110	Line	S461 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb5111	Line	S461 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb5112	Line	S461 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb5113	Line	S462 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb5114	Line	S462 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb5115	Line	S462 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb5116	Line	S462 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb5117	Line	S462 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb5118	Line	S462 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb5119	Line	S462 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb5120	Line	S462 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb5121	Line	S462 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb5122	Line	S462 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb5123	Line	S462 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb5124	Line	S462	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	7.120	From end								
Slb5125	Line	S462	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb5126	Line	S462	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb5127	Line	S462	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb5128	Line	S462	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb5129	Line	S462	8.560	Abso	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
		GCS	10.500	From end								
Slb5130	Line	S462	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb5131	Line	S462	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb5132	Line	S462	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb5133	Line	S462	11.480	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
		GCS	11.800	From end								
Slb5134	Line	S462	11.800	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	12.120	From end								
Slb5135	Line	S462	12.120	Abso	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
		GCS	12.700	From end								
Slb5136	Line	S462	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb5137	Line	S462	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb5138	Line	S462	12.960	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	16.360	From end								
Slb5139	Line	S462	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
Slb5140	Line	S462	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb5141	Line	S462	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb5142	Line	S462	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb5143	Line	S462	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb5144	Line	S462	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb5145	Line	S462	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb5146	Line	S462	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb5147	Line	S462	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb5148	Line	S462	23.560	Abso	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
		GCS	24.990	From end								
Slb5149	Line	S463	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb5150	Line	S463	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb5151	Line	S463	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb5152	Line	S463	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb5153	Line	S463	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb5154	Line	S463	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb5155	Line	S463	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb5156	Line	S463	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb5157	Line	S463 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb5158	Line	S463 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb5159	Line	S463 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb5160	Line	S463 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb5161	Line	S463 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb5162	Line	S463 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb5163	Line	S463 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb5164	Line	S463 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb5165	Line	S463 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb5166	Line	S463 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb5167	Line	S463 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb5168	Line	S463 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb5169	Line	S463 GCS	11.480 11.800	Abso From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
Slb5170	Line	S463 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb5171	Line	S463 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb5172	Line	S463 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb5173	Line	S463 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb5174	Line	S463 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb5175	Line	S463 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb5176	Line	S463 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb5177	Line	S463 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb5178	Line	S463 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb5179	Line	S463 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb5180	Line	S463 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb5181	Line	S463 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb5182	Line	S463 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb5183	Line	S463 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb5184	Line	S463 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb5185	Line	S464 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb5186	Line	S464 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb5187	Line	S464 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb5188	Line	S464 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb5189	Line	S464	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	1.680	From end								
Slb5190	Line	S464	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb5191	Line	S464	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb5192	Line	S464	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb5193	Line	S464	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb5194	Line	S464	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb5195	Line	S464	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb5196	Line	S464	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb5197	Line	S464	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb5198	Line	S464	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb5199	Line	S464	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb5200	Line	S464	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb5201	Line	S464	8.560	Abso	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
		GCS	10.500	From end								
Slb5202	Line	S464	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb5203	Line	S464	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb5204	Line	S464	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb5205	Line	S464	11.480	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
		GCS	11.800	From end								
Slb5206	Line	S464	11.800	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	12.120	From end								
Slb5207	Line	S464	12.120	Abso	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
		GCS	12.700	From end								
Slb5208	Line	S464	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb5209	Line	S464	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb5210	Line	S464	12.960	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	16.360	From end								
Slb5211	Line	S464	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
Slb5212	Line	S464	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb5213	Line	S464	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb5214	Line	S464	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb5215	Line	S464	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb5216	Line	S464	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb5217	Line	S464	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb5218	Line	S464	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb5219	Line	S464	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb5220	Line	S464	23.560	Abso	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
		GCS	24.990	From end								
Slb5221	Line	S465	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb5222	Line	S465 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb5223	Line	S465 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb5224	Line	S465 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb5225	Line	S465 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb5226	Line	S465 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb5227	Line	S465 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb5228	Line	S465 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb5229	Line	S465 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb5230	Line	S465 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb5231	Line	S465 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb5232	Line	S465 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb5233	Line	S465 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb5234	Line	S465 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb5235	Line	S465 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb5236	Line	S465 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb5237	Line	S465 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb5238	Line	S465 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb5239	Line	S465 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb5240	Line	S465 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb5241	Line	S465 GCS	11.480 11.800	Abso From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
Slb5242	Line	S465 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb5243	Line	S465 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb5244	Line	S465 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb5245	Line	S465 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb5246	Line	S465 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb5247	Line	S465 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb5248	Line	S465 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb5249	Line	S465 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb5250	Line	S465 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb5251	Line	S465 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb5252	Line	S465 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb5253	Line	S465 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb5254	Line	S465	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	22.540	From end								
Slb5255	Line	S465	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb5256	Line	S465	23.560	Abso	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
		GCS	24.990	From end								
Slb5257	Line	S466	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb5258	Line	S466	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb5259	Line	S466	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb5260	Line	S466	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb5261	Line	S466	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb5262	Line	S466	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb5263	Line	S466	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb5264	Line	S466	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb5265	Line	S466	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb5266	Line	S466	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb5267	Line	S466	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb5268	Line	S466	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb5269	Line	S466	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb5270	Line	S466	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb5271	Line	S466	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb5272	Line	S466	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb5273	Line	S466	8.560	Abso	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
		GCS	10.500	From end								
Slb5274	Line	S466	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb5275	Line	S466	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb5276	Line	S466	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb5277	Line	S466	11.480	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
		GCS	11.800	From end								
Slb5278	Line	S466	11.800	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	12.120	From end								
Slb5279	Line	S466	12.120	Abso	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
		GCS	12.700	From end								
Slb5280	Line	S466	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb5281	Line	S466	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb5282	Line	S466	12.960	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	16.360	From end								
Slb5283	Line	S466	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
Slb5284	Line	S466	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb5285	Line	S466	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb5286	Line	S466	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb5287	Line	S466 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb5288	Line	S466 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb5289	Line	S466 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb5290	Line	S466 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb5291	Line	S466 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb5292	Line	S466 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb5293	Line	S467 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb5294	Line	S467 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb5295	Line	S467 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb5296	Line	S467 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb5297	Line	S467 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb5298	Line	S467 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb5299	Line	S467 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb5300	Line	S467 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb5301	Line	S467 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb5302	Line	S467 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb5303	Line	S467 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb5304	Line	S467 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb5305	Line	S467 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb5306	Line	S467 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb5307	Line	S467 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb5308	Line	S467 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb5309	Line	S467 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb5310	Line	S467 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb5311	Line	S467 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb5312	Line	S467 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb5313	Line	S467 GCS	11.480 11.800	Abso From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
Slb5314	Line	S467 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb5315	Line	S467 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb5316	Line	S467 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb5317	Line	S467 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb5318	Line	S467 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb5319	Line	S467	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	16.440	From end								
Slb5320	Line	S467	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb5321	Line	S467	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb5322	Line	S467	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb5323	Line	S467	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb5324	Line	S467	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb5325	Line	S467	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb5326	Line	S467	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb5327	Line	S467	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb5328	Line	S467	23.560	Abso	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
		GCS	24.990	From end								
Slb5329	Line	S468	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb5330	Line	S468	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb5331	Line	S468	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb5332	Line	S468	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb5333	Line	S468	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb5334	Line	S468	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb5335	Line	S468	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb5336	Line	S468	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb5337	Line	S468	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb5338	Line	S468	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb5339	Line	S468	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb5340	Line	S468	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb5341	Line	S468	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb5342	Line	S468	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb5343	Line	S468	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb5344	Line	S468	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb5345	Line	S468	8.560	Abso	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
		GCS	10.500	From end								
Slb5346	Line	S468	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb5347	Line	S468	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb5348	Line	S468	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb5349	Line	S468	11.480	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
		GCS	11.800	From end								
Slb5350	Line	S468	11.800	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	12.120	From end								
Slb5351	Line	S468	12.120	Abso	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
		GCS	12.700	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb5352	Line	S468 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb5353	Line	S468 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb5354	Line	S468 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb5355	Line	S468 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb5356	Line	S468 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb5357	Line	S468 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb5358	Line	S468 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb5359	Line	S468 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb5360	Line	S468 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb5361	Line	S468 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb5362	Line	S468 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb5363	Line	S468 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb5364	Line	S468 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb5365	Line	S469 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb5366	Line	S469 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb5367	Line	S469 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb5368	Line	S469 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb5369	Line	S469 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb5370	Line	S469 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb5371	Line	S469 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb5372	Line	S469 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb5373	Line	S469 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb5374	Line	S469 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb5375	Line	S469 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb5376	Line	S469 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb5377	Line	S469 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb5378	Line	S469 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb5379	Line	S469 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb5380	Line	S469 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb5381	Line	S469 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb5382	Line	S469 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb5383	Line	S469 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb5384	Line	S469	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	11.480	From end								
Slb5385	Line	S469	11.480	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
		GCS	11.800	From end								
Slb5386	Line	S469	11.800	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	12.120	From end								
Slb5387	Line	S469	12.120	Abso	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
		GCS	12.700	From end								
Slb5388	Line	S469	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb5389	Line	S469	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb5390	Line	S469	12.960	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	16.360	From end								
Slb5391	Line	S469	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
Slb5392	Line	S469	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb5393	Line	S469	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb5394	Line	S469	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb5395	Line	S469	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb5396	Line	S469	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb5397	Line	S469	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb5398	Line	S469	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb5399	Line	S469	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb5400	Line	S469	23.560	Abso	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
		GCS	24.990	From end								
Slb5401	Line	S470	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb5402	Line	S470	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb5403	Line	S470	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb5404	Line	S470	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb5405	Line	S470	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb5406	Line	S470	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb5407	Line	S470	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb5408	Line	S470	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb5409	Line	S470	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb5410	Line	S470	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb5411	Line	S470	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb5412	Line	S470	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb5413	Line	S470	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb5414	Line	S470	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb5415	Line	S470	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb5416	Line	S470	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb5417	Line	S470 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb5418	Line	S470 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb5419	Line	S470 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb5420	Line	S470 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb5421	Line	S470 GCS	11.480 11.800	Abso From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
Slb5422	Line	S470 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb5423	Line	S470 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb5424	Line	S470 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb5425	Line	S470 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb5426	Line	S470 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb5427	Line	S470 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb5428	Line	S470 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb5429	Line	S470 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb5430	Line	S470 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb5431	Line	S470 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb5432	Line	S470 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb5433	Line	S470 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb5434	Line	S470 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb5435	Line	S470 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb5436	Line	S470 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb5437	Line	S471 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb5438	Line	S471 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb5439	Line	S471 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb5440	Line	S471 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb5441	Line	S471 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb5442	Line	S471 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb5443	Line	S471 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb5444	Line	S471 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb5445	Line	S471 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb5446	Line	S471 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb5447	Line	S471 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb5448	Line	S471 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb5449	Line	S471	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	7.820	From end								
Slb5450	Line	S471	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb5451	Line	S471	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb5452	Line	S471	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb5453	Line	S471	8.560	Abso	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
		GCS	10.500	From end								
Slb5454	Line	S471	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb5455	Line	S471	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb5456	Line	S471	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb5457	Line	S471	11.480	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
		GCS	11.800	From end								
Slb5458	Line	S471	11.800	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	12.120	From end								
Slb5459	Line	S471	12.120	Abso	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
		GCS	12.700	From end								
Slb5460	Line	S471	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb5461	Line	S471	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb5462	Line	S471	12.960	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	16.360	From end								
Slb5463	Line	S471	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
Slb5464	Line	S471	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb5465	Line	S471	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb5466	Line	S471	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb5467	Line	S471	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb5468	Line	S471	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb5469	Line	S471	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb5470	Line	S471	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb5471	Line	S471	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb5472	Line	S471	23.560	Abso	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
		GCS	24.990	From end								
Slb5473	Line	S472	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb5474	Line	S472	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb5475	Line	S472	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb5476	Line	S472	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb5477	Line	S472	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb5478	Line	S472	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb5479	Line	S472	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb5480	Line	S472	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb5481	Line	S472	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb5482	Line	S472 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb5483	Line	S472 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb5484	Line	S472 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb5485	Line	S472 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb5486	Line	S472 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb5487	Line	S472 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb5488	Line	S472 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb5489	Line	S472 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb5490	Line	S472 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb5491	Line	S472 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb5492	Line	S472 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb5493	Line	S472 GCS	11.480 11.800	Abso From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
Slb5494	Line	S472 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb5495	Line	S472 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb5496	Line	S472 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb5497	Line	S472 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb5498	Line	S472 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb5499	Line	S472 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb5500	Line	S472 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb5501	Line	S472 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb5502	Line	S472 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb5503	Line	S472 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb5504	Line	S472 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb5505	Line	S472 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb5506	Line	S472 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb5507	Line	S472 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb5508	Line	S472 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb5509	Line	S473 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb5510	Line	S473 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb5511	Line	S473 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb5512	Line	S473 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb5513	Line	S473 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb5514	Line	S473	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	2.100	From end								
Slb5515	Line	S473	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb5516	Line	S473	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb5517	Line	S473	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb5518	Line	S473	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb5519	Line	S473	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb5520	Line	S473	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb5521	Line	S473	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb5522	Line	S473	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb5523	Line	S473	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb5524	Line	S473	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb5525	Line	S473	8.560	Abso	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
		GCS	10.500	From end								
Slb5526	Line	S473	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb5527	Line	S473	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb5528	Line	S473	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb5529	Line	S473	11.480	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
		GCS	11.800	From end								
Slb5530	Line	S473	11.800	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	12.120	From end								
Slb5531	Line	S473	12.120	Abso	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
		GCS	12.700	From end								
Slb5532	Line	S473	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb5533	Line	S473	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb5534	Line	S473	12.960	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	16.360	From end								
Slb5535	Line	S473	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
Slb5536	Line	S473	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb5537	Line	S473	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb5538	Line	S473	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb5539	Line	S473	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb5540	Line	S473	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb5541	Line	S473	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb5542	Line	S473	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb5543	Line	S473	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb5544	Line	S473	23.560	Abso	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
		GCS	24.990	From end								
Slb5545	Line	S474	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb5546	Line	S474	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb5547	Line	S474 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb5548	Line	S474 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb5549	Line	S474 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb5550	Line	S474 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb5551	Line	S474 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb5552	Line	S474 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb5553	Line	S474 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb5554	Line	S474 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb5555	Line	S474 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb5556	Line	S474 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb5557	Line	S474 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb5558	Line	S474 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb5559	Line	S474 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb5560	Line	S474 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb5561	Line	S474 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb5562	Line	S474 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb5563	Line	S474 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb5564	Line	S474 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb5565	Line	S474 GCS	11.480 11.800	Abso From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
Slb5566	Line	S474 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb5567	Line	S474 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb5568	Line	S474 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb5569	Line	S474 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb5570	Line	S474 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb5571	Line	S474 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb5572	Line	S474 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb5573	Line	S474 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb5574	Line	S474 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb5575	Line	S474 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb5576	Line	S474 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb5577	Line	S474 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb5578	Line	S474 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb5579	Line	S474	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	23.560	From end								
Slb5580	Line	S474	23.560	Abso	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
		GCS	24.990	From end								
Slb5581	Line	S475	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb5582	Line	S475	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb5583	Line	S475	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb5584	Line	S475	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb5585	Line	S475	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb5586	Line	S475	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb5587	Line	S475	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb5588	Line	S475	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb5589	Line	S475	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb5590	Line	S475	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb5591	Line	S475	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb5592	Line	S475	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb5593	Line	S475	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb5594	Line	S475	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb5595	Line	S475	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb5596	Line	S475	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb5597	Line	S475	8.560	Abso	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
		GCS	10.500	From end								
Slb5598	Line	S475	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb5599	Line	S475	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb5600	Line	S475	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb5601	Line	S475	11.480	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
		GCS	11.800	From end								
Slb5602	Line	S475	11.800	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	12.120	From end								
Slb5603	Line	S475	12.120	Abso	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
		GCS	12.700	From end								
Slb5604	Line	S475	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb5605	Line	S475	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb5606	Line	S475	12.960	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	16.360	From end								
Slb5607	Line	S475	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
Slb5608	Line	S475	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb5609	Line	S475	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb5610	Line	S475	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb5611	Line	S475	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb5612	Line	S475 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb5613	Line	S475 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb5614	Line	S475 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb5615	Line	S475 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb5616	Line	S475 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb5617	Line	S476 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb5618	Line	S476 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb5619	Line	S476 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb5620	Line	S476 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb5621	Line	S476 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb5622	Line	S476 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb5623	Line	S476 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb5624	Line	S476 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb5625	Line	S476 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb5626	Line	S476 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb5627	Line	S476 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb5628	Line	S476 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb5629	Line	S476 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb5630	Line	S476 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb5631	Line	S476 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb5632	Line	S476 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb5633	Line	S476 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb5634	Line	S476 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb5635	Line	S476 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb5636	Line	S476 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb5637	Line	S476 GCS	11.480 11.800	Abso From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
Slb5638	Line	S476 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb5639	Line	S476 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb5640	Line	S476 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb5641	Line	S476 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb5642	Line	S476 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb5643	Line	S476 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb5644	Line	S476	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	17.820	From end								
Slb5645	Line	S476	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb5646	Line	S476	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb5647	Line	S476	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb5648	Line	S476	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb5649	Line	S476	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb5650	Line	S476	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb5651	Line	S476	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb5652	Line	S476	23.560	Abso	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
		GCS	24.990	From end								
Slb5653	Line	S477	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb5654	Line	S477	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb5655	Line	S477	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb5656	Line	S477	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb5657	Line	S477	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb5658	Line	S477	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb5659	Line	S477	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb5660	Line	S477	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb5661	Line	S477	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb5662	Line	S477	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb5663	Line	S477	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb5664	Line	S477	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb5665	Line	S477	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb5666	Line	S477	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb5667	Line	S477	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb5668	Line	S477	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb5669	Line	S477	8.560	Abso	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
		GCS	10.500	From end								
Slb5670	Line	S477	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb5671	Line	S477	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb5672	Line	S477	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb5673	Line	S477	11.480	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
		GCS	11.800	From end								
Slb5674	Line	S477	11.800	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	12.120	From end								
Slb5675	Line	S477	12.120	Abso	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
		GCS	12.700	From end								
Slb5676	Line	S477	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb5677	Line	S477 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb5678	Line	S477 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb5679	Line	S477 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb5680	Line	S477 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb5681	Line	S477 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb5682	Line	S477 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb5683	Line	S477 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb5684	Line	S477 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb5685	Line	S477 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb5686	Line	S477 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb5687	Line	S477 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb5688	Line	S477 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb5689	Line	S478 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb5690	Line	S478 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb5691	Line	S478 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb5692	Line	S478 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb5693	Line	S478 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb5694	Line	S478 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb5695	Line	S478 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb5696	Line	S478 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb5697	Line	S478 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb5698	Line	S478 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb5699	Line	S478 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb5700	Line	S478 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb5701	Line	S478 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb5702	Line	S478 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb5703	Line	S478 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb5704	Line	S478 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb5705	Line	S478 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb5706	Line	S478 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb5707	Line	S478 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb5708	Line	S478 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb5709	Line	S478	11.480	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	11.800	From end								
Slb5710	Line	S478	11.800	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	12.120	From end								
Slb5711	Line	S478	12.120	Abso	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
		GCS	12.700	From end								
Slb5712	Line	S478	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb5713	Line	S478	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb5714	Line	S478	12.960	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	16.360	From end								
Slb5715	Line	S478	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
Slb5716	Line	S478	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb5717	Line	S478	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb5718	Line	S478	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb5719	Line	S478	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb5720	Line	S478	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb5721	Line	S478	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb5722	Line	S478	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb5723	Line	S478	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb5724	Line	S478	23.560	Abso	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
		GCS	24.990	From end								
Slb5725	Line	S479	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb5726	Line	S479	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb5727	Line	S479	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb5728	Line	S479	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb5729	Line	S479	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb5730	Line	S479	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb5731	Line	S479	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb5732	Line	S479	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb5733	Line	S479	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb5734	Line	S479	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb5735	Line	S479	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb5736	Line	S479	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb5737	Line	S479	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb5738	Line	S479	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb5739	Line	S479	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb5740	Line	S479	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb5741	Line	S479	8.560	Abso	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
		GCS	10.500	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb5742	Line	S479 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb5743	Line	S479 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb5744	Line	S479 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb5745	Line	S479 GCS	11.480 11.800	Abso From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
Slb5746	Line	S479 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb5747	Line	S479 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb5748	Line	S479 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb5749	Line	S479 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb5750	Line	S479 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb5751	Line	S479 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb5752	Line	S479 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb5753	Line	S479 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb5754	Line	S479 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb5755	Line	S479 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb5756	Line	S479 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb5757	Line	S479 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb5758	Line	S479 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb5759	Line	S479 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb5760	Line	S479 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb5761	Line	S480 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb5762	Line	S480 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb5763	Line	S480 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb5764	Line	S480 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb5765	Line	S480 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb5766	Line	S480 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb5767	Line	S480 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb5768	Line	S480 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb5769	Line	S480 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb5770	Line	S480 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb5771	Line	S480 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb5772	Line	S480 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb5773	Line	S480 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb5774	Line	S480	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	7.880	From end								
Slb5775	Line	S480	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb5776	Line	S480	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb5777	Line	S480	8.560	Abso	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
		GCS	10.500	From end								
Slb5778	Line	S480	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb5779	Line	S480	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb5780	Line	S480	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb5781	Line	S480	11.480	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
		GCS	11.800	From end								
Slb5782	Line	S480	11.800	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	12.120	From end								
Slb5783	Line	S480	12.120	Abso	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
		GCS	12.700	From end								
Slb5784	Line	S480	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb5785	Line	S480	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb5786	Line	S480	12.960	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	16.360	From end								
Slb5787	Line	S480	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
Slb5788	Line	S480	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb5789	Line	S480	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb5790	Line	S480	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb5791	Line	S480	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb5792	Line	S480	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb5793	Line	S480	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb5794	Line	S480	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb5795	Line	S480	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb5796	Line	S480	23.560	Abso	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
		GCS	24.990	From end								
Slb5797	Line	S481	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb5798	Line	S481	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb5799	Line	S481	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb5800	Line	S481	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb5801	Line	S481	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb5802	Line	S481	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb5803	Line	S481	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb5804	Line	S481	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb5805	Line	S481	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb5806	Line	S481	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb5807	Line	S481 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb5808	Line	S481 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb5809	Line	S481 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb5810	Line	S481 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb5811	Line	S481 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb5812	Line	S481 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb5813	Line	S481 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb5814	Line	S481 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb5815	Line	S481 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb5816	Line	S481 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb5817	Line	S481 GCS	11.480 11.800	Abso From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
Slb5818	Line	S481 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb5819	Line	S481 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb5820	Line	S481 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb5821	Line	S481 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb5822	Line	S481 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb5823	Line	S481 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb5824	Line	S481 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb5825	Line	S481 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb5826	Line	S481 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb5827	Line	S481 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb5828	Line	S481 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb5829	Line	S481 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb5830	Line	S481 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb5831	Line	S481 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb5832	Line	S481 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb5833	Line	S482 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb5834	Line	S482 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb5835	Line	S482 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb5836	Line	S482 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb5837	Line	S482 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb5838	Line	S482 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb5839	Line	S482	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	2.720	From end								
Slb5840	Line	S482	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb5841	Line	S482	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb5842	Line	S482	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb5843	Line	S482	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb5844	Line	S482	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb5845	Line	S482	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb5846	Line	S482	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb5847	Line	S482	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb5848	Line	S482	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb5849	Line	S482	8.560	Abso	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
		GCS	10.500	From end								
Slb5850	Line	S482	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb5851	Line	S482	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb5852	Line	S482	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb5853	Line	S482	11.480	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
		GCS	11.800	From end								
Slb5854	Line	S482	11.800	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	12.120	From end								
Slb5855	Line	S482	12.120	Abso	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
		GCS	12.700	From end								
Slb5856	Line	S482	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb5857	Line	S482	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb5858	Line	S482	12.960	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	16.360	From end								
Slb5859	Line	S482	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
Slb5860	Line	S482	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb5861	Line	S482	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb5862	Line	S482	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb5863	Line	S482	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb5864	Line	S482	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb5865	Line	S482	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb5866	Line	S482	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb5867	Line	S482	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb5868	Line	S482	23.560	Abso	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
		GCS	24.990	From end								
Slb5869	Line	S483	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb5870	Line	S483	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb5871	Line	S483	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb5872	Line	S483 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb5873	Line	S483 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb5874	Line	S483 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb5875	Line	S483 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb5876	Line	S483 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb5877	Line	S483 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb5878	Line	S483 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb5879	Line	S483 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb5880	Line	S483 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb5881	Line	S483 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb5882	Line	S483 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb5883	Line	S483 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb5884	Line	S483 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb5885	Line	S483 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb5886	Line	S483 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb5887	Line	S483 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb5888	Line	S483 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb5889	Line	S483 GCS	11.480 11.800	Abso From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
Slb5890	Line	S483 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb5891	Line	S483 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb5892	Line	S483 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb5893	Line	S483 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb5894	Line	S483 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb5895	Line	S483 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb5896	Line	S483 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb5897	Line	S483 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb5898	Line	S483 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb5899	Line	S483 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb5900	Line	S483 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb5901	Line	S483 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb5902	Line	S483 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb5903	Line	S483 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb5904	Line	S483	23.560	Abso	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	24.990	From end								
Slb5905	Line	S484	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb5906	Line	S484	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb5907	Line	S484	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb5908	Line	S484	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb5909	Line	S484	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb5910	Line	S484	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb5911	Line	S484	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb5912	Line	S484	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb5913	Line	S484	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb5914	Line	S484	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb5915	Line	S484	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb5916	Line	S484	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb5917	Line	S484	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb5918	Line	S484	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb5919	Line	S484	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb5920	Line	S484	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb5921	Line	S484	8.560	Abso	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
		GCS	10.500	From end								
Slb5922	Line	S484	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb5923	Line	S484	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb5924	Line	S484	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb5925	Line	S484	11.480	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
		GCS	11.800	From end								
Slb5926	Line	S484	11.800	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	12.120	From end								
Slb5927	Line	S484	12.120	Abso	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
		GCS	12.700	From end								
Slb5928	Line	S484	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb5929	Line	S484	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb5930	Line	S484	12.960	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	16.360	From end								
Slb5931	Line	S484	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
Slb5932	Line	S484	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb5933	Line	S484	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb5934	Line	S484	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb5935	Line	S484	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb5936	Line	S484	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb5937	Line	S484 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb5938	Line	S484 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb5939	Line	S484 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb5940	Line	S484 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb5941	Line	S485 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb5942	Line	S485 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb5943	Line	S485 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb5944	Line	S485 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb5945	Line	S485 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb5946	Line	S485 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb5947	Line	S485 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb5948	Line	S485 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb5949	Line	S485 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb5950	Line	S485 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb5951	Line	S485 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb5952	Line	S485 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb5953	Line	S485 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb5954	Line	S485 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb5955	Line	S485 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb5956	Line	S485 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb5957	Line	S485 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb5958	Line	S485 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb5959	Line	S485 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb5960	Line	S485 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb5961	Line	S485 GCS	11.480 11.800	Abso From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
Slb5962	Line	S485 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb5963	Line	S485 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb5964	Line	S485 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb5965	Line	S485 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb5966	Line	S485 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb5967	Line	S485 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb5968	Line	S485 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb5969	Line	S485	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	17.980	From end								
Slb5970	Line	S485	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb5971	Line	S485	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb5972	Line	S485	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb5973	Line	S485	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb5974	Line	S485	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb5975	Line	S485	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb5976	Line	S485	23.560	Abso	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
		GCS	24.990	From end								
Slb5977	Line	S486	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb5978	Line	S486	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb5979	Line	S486	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb5980	Line	S486	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb5981	Line	S486	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb5982	Line	S486	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb5983	Line	S486	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb5984	Line	S486	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb5985	Line	S486	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb5986	Line	S486	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb5987	Line	S486	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb5988	Line	S486	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb5989	Line	S486	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb5990	Line	S486	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb5991	Line	S486	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb5992	Line	S486	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb5993	Line	S486	8.560	Abso	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
		GCS	10.500	From end								
Slb5994	Line	S486	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb5995	Line	S486	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb5996	Line	S486	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb5997	Line	S486	11.480	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
		GCS	11.800	From end								
Slb5998	Line	S486	11.800	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	12.120	From end								
Slb5999	Line	S486	12.120	Abso	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
		GCS	12.700	From end								
Slb6000	Line	S486	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb6001	Line	S486	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb6002	Line	S486 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb6003	Line	S486 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb6004	Line	S486 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb6005	Line	S486 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb6006	Line	S486 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb6007	Line	S486 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb6008	Line	S486 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb6009	Line	S486 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb6010	Line	S486 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb6011	Line	S486 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb6012	Line	S486 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb6013	Line	S487 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb6014	Line	S487 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb6015	Line	S487 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb6016	Line	S487 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb6017	Line	S487 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb6018	Line	S487 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb6019	Line	S487 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb6020	Line	S487 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb6021	Line	S487 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb6022	Line	S487 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb6023	Line	S487 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb6024	Line	S487 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb6025	Line	S487 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb6026	Line	S487 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb6027	Line	S487 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb6028	Line	S487 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb6029	Line	S487 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb6030	Line	S487 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb6031	Line	S487 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb6032	Line	S487 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb6033	Line	S487 GCS	11.480 11.800	Abso From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
Slb6034	Line	S487	11.800	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	12.120	From end								
Slb6035	Line	S487	12.120	Abso	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
		GCS	12.700	From end								
Slb6036	Line	S487	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb6037	Line	S487	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb6038	Line	S487	12.960	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	16.360	From end								
Slb6039	Line	S487	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
Slb6040	Line	S487	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb6041	Line	S487	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb6042	Line	S487	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb6043	Line	S487	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb6044	Line	S487	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb6045	Line	S487	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb6046	Line	S487	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb6047	Line	S487	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb6048	Line	S487	23.560	Abso	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
		GCS	24.990	From end								
Slb6049	Line	S488	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb6050	Line	S488	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb6051	Line	S488	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb6052	Line	S488	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb6053	Line	S488	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb6054	Line	S488	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb6055	Line	S488	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb6056	Line	S488	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb6057	Line	S488	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb6058	Line	S488	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb6059	Line	S488	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb6060	Line	S488	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb6061	Line	S488	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb6062	Line	S488	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb6063	Line	S488	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb6064	Line	S488	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb6065	Line	S488	8.560	Abso	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
		GCS	10.500	From end								
Slb6066	Line	S488	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb6067	Line	S488 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb6068	Line	S488 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb6069	Line	S488 GCS	11.480 11.800	Abso From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
Slb6070	Line	S488 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb6071	Line	S488 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb6072	Line	S488 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb6073	Line	S488 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb6074	Line	S488 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb6075	Line	S488 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb6076	Line	S488 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb6077	Line	S488 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb6078	Line	S488 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb6079	Line	S488 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb6080	Line	S488 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb6081	Line	S488 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb6082	Line	S488 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb6083	Line	S488 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb6084	Line	S488 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb6085	Line	S489 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb6086	Line	S489 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb6087	Line	S489 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb6088	Line	S489 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb6089	Line	S489 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb6090	Line	S489 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb6091	Line	S489 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb6092	Line	S489 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb6093	Line	S489 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb6094	Line	S489 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb6095	Line	S489 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb6096	Line	S489 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb6097	Line	S489 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb6098	Line	S489 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb6099	Line	S489	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	8.200	From end								
Slb6100	Line	S489	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb6101	Line	S489	8.560	Abso	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
		GCS	10.500	From end								
Slb6102	Line	S489	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb6103	Line	S489	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb6104	Line	S489	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb6105	Line	S489	11.480	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
		GCS	11.800	From end								
Slb6106	Line	S489	11.800	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	12.120	From end								
Slb6107	Line	S489	12.120	Abso	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
		GCS	12.700	From end								
Slb6108	Line	S489	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb6109	Line	S489	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb6110	Line	S489	12.960	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	16.360	From end								
Slb6111	Line	S489	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
Slb6112	Line	S489	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb6113	Line	S489	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb6114	Line	S489	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb6115	Line	S489	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb6116	Line	S489	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb6117	Line	S489	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb6118	Line	S489	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb6119	Line	S489	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb6120	Line	S489	23.560	Abso	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
		GCS	24.990	From end								
Slb6121	Line	S490	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb6122	Line	S490	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb6123	Line	S490	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb6124	Line	S490	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb6125	Line	S490	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb6126	Line	S490	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb6127	Line	S490	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb6128	Line	S490	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb6129	Line	S490	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb6130	Line	S490	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb6131	Line	S490	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb6132	Line	S490 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb6133	Line	S490 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb6134	Line	S490 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb6135	Line	S490 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb6136	Line	S490 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb6137	Line	S490 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb6138	Line	S490 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb6139	Line	S490 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb6140	Line	S490 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb6141	Line	S490 GCS	11.480 11.800	Abso From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
Slb6142	Line	S490 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb6143	Line	S490 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb6144	Line	S490 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb6145	Line	S490 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb6146	Line	S490 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb6147	Line	S490 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb6148	Line	S490 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb6149	Line	S490 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb6150	Line	S490 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb6151	Line	S490 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb6152	Line	S490 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb6153	Line	S490 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb6154	Line	S490 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb6155	Line	S490 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb6156	Line	S490 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb6157	Line	S491 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb6158	Line	S491 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb6159	Line	S491 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb6160	Line	S491 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb6161	Line	S491 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb6162	Line	S491 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb6163	Line	S491 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb6164	Line	S491	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	3.080	From end								
Slb6165	Line	S491	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb6166	Line	S491	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb6167	Line	S491	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb6168	Line	S491	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb6169	Line	S491	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb6170	Line	S491	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb6171	Line	S491	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb6172	Line	S491	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb6173	Line	S491	8.560	Abso	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
		GCS	10.500	From end								
Slb6174	Line	S491	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb6175	Line	S491	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb6176	Line	S491	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb6177	Line	S491	11.480	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
		GCS	11.800	From end								
Slb6178	Line	S491	11.800	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	12.120	From end								
Slb6179	Line	S491	12.120	Abso	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
		GCS	12.700	From end								
Slb6180	Line	S491	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb6181	Line	S491	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb6182	Line	S491	12.960	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	16.360	From end								
Slb6183	Line	S491	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
Slb6184	Line	S491	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb6185	Line	S491	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb6186	Line	S491	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb6187	Line	S491	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb6188	Line	S491	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb6189	Line	S491	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb6190	Line	S491	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb6191	Line	S491	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb6192	Line	S491	23.560	Abso	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
		GCS	24.990	From end								
Slb6193	Line	S492	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb6194	Line	S492	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb6195	Line	S492	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb6196	Line	S492	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb6197	Line	S492 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb6198	Line	S492 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb6199	Line	S492 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb6200	Line	S492 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb6201	Line	S492 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb6202	Line	S492 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb6203	Line	S492 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb6204	Line	S492 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb6205	Line	S492 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb6206	Line	S492 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb6207	Line	S492 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb6208	Line	S492 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb6209	Line	S492 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb6210	Line	S492 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb6211	Line	S492 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb6212	Line	S492 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb6213	Line	S492 GCS	11.480 11.800	Abso From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
Slb6214	Line	S492 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb6215	Line	S492 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb6216	Line	S492 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb6217	Line	S492 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb6218	Line	S492 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb6219	Line	S492 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb6220	Line	S492 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb6221	Line	S492 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb6222	Line	S492 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb6223	Line	S492 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb6224	Line	S492 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb6225	Line	S492 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb6226	Line	S492 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb6227	Line	S492 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb6228	Line	S492 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb6229	Line	S493	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	1.020	From end								
Slb6230	Line	S493	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb6231	Line	S493	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb6232	Line	S493	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb6233	Line	S493	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb6234	Line	S493	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb6235	Line	S493	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb6236	Line	S493	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb6237	Line	S493	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb6238	Line	S493	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb6239	Line	S493	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb6240	Line	S493	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb6241	Line	S493	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb6242	Line	S493	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb6243	Line	S493	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb6244	Line	S493	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb6245	Line	S493	8.560	Abso	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
		GCS	10.500	From end								
Slb6246	Line	S493	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb6247	Line	S493	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb6248	Line	S493	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb6249	Line	S493	11.480	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
		GCS	11.800	From end								
Slb6250	Line	S493	11.800	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	12.120	From end								
Slb6251	Line	S493	12.120	Abso	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
		GCS	12.700	From end								
Slb6252	Line	S493	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb6253	Line	S493	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb6254	Line	S493	12.960	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	16.360	From end								
Slb6255	Line	S493	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
Slb6256	Line	S493	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb6257	Line	S493	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb6258	Line	S493	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb6259	Line	S493	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb6260	Line	S493	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb6261	Line	S493	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb6262	Line	S493 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb6263	Line	S493 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb6264	Line	S493 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb6265	Line	S494 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb6266	Line	S494 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb6267	Line	S494 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb6268	Line	S494 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb6269	Line	S494 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb6270	Line	S494 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb6271	Line	S494 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb6272	Line	S494 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb6273	Line	S494 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb6274	Line	S494 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb6275	Line	S494 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb6276	Line	S494 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb6277	Line	S494 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb6278	Line	S494 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb6279	Line	S494 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb6280	Line	S494 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb6281	Line	S494 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb6282	Line	S494 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb6283	Line	S494 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb6284	Line	S494 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb6285	Line	S494 GCS	11.480 11.800	Abso From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
Slb6286	Line	S494 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb6287	Line	S494 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb6288	Line	S494 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb6289	Line	S494 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb6290	Line	S494 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb6291	Line	S494 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb6292	Line	S494 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb6293	Line	S494 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb6294	Line	S494	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	18.300	From end								
Slb6295	Line	S494	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb6296	Line	S494	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb6297	Line	S494	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb6298	Line	S494	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb6299	Line	S494	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb6300	Line	S494	23.560	Abso	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
		GCS	24.990	From end								
Slb6301	Line	S495	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb6302	Line	S495	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb6303	Line	S495	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb6304	Line	S495	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb6305	Line	S495	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb6306	Line	S495	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb6307	Line	S495	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb6308	Line	S495	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb6309	Line	S495	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb6310	Line	S495	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb6311	Line	S495	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb6312	Line	S495	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb6313	Line	S495	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb6314	Line	S495	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb6315	Line	S495	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb6316	Line	S495	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb6317	Line	S495	8.560	Abso	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
		GCS	10.500	From end								
Slb6318	Line	S495	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb6319	Line	S495	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb6320	Line	S495	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb6321	Line	S495	11.480	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
		GCS	11.800	From end								
Slb6322	Line	S495	11.800	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	12.120	From end								
Slb6323	Line	S495	12.120	Abso	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
		GCS	12.700	From end								
Slb6324	Line	S495	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb6325	Line	S495	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb6326	Line	S495	12.960	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	16.360	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb6327	Line	S495 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb6328	Line	S495 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb6329	Line	S495 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb6330	Line	S495 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb6331	Line	S495 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb6332	Line	S495 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb6333	Line	S495 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb6334	Line	S495 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb6335	Line	S495 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb6336	Line	S495 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb6337	Line	S496 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb6338	Line	S496 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb6339	Line	S496 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb6340	Line	S496 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb6341	Line	S496 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb6342	Line	S496 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb6343	Line	S496 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb6344	Line	S496 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb6345	Line	S496 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb6346	Line	S496 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb6347	Line	S496 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb6348	Line	S496 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb6349	Line	S496 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb6350	Line	S496 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb6351	Line	S496 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb6352	Line	S496 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb6353	Line	S496 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb6354	Line	S496 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb6355	Line	S496 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb6356	Line	S496 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb6357	Line	S496 GCS	11.480 11.800	Abso From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
Slb6358	Line	S496 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb6359	Line	S496	12.120	Abso	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	12.700	From end								
Slb6360	Line	S496	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb6361	Line	S496	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb6362	Line	S496	12.960	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	16.360	From end								
Slb6363	Line	S496	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
Slb6364	Line	S496	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb6365	Line	S496	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb6366	Line	S496	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb6367	Line	S496	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb6368	Line	S496	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb6369	Line	S496	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb6370	Line	S496	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb6371	Line	S496	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb6372	Line	S496	23.560	Abso	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
		GCS	24.990	From end								
Slb6373	Line	S497	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb6374	Line	S497	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb6375	Line	S497	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb6376	Line	S497	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb6377	Line	S497	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb6378	Line	S497	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb6379	Line	S497	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb6380	Line	S497	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb6381	Line	S497	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb6382	Line	S497	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb6383	Line	S497	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb6384	Line	S497	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb6385	Line	S497	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb6386	Line	S497	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb6387	Line	S497	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb6388	Line	S497	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb6389	Line	S497	8.560	Abso	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
		GCS	10.500	From end								
Slb6390	Line	S497	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb6391	Line	S497	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb6392	Line	S497 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb6393	Line	S497 GCS	11.480 11.800	Abso From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
Slb6394	Line	S497 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb6395	Line	S497 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb6396	Line	S497 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb6397	Line	S497 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb6398	Line	S497 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb6399	Line	S497 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb6400	Line	S497 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb6401	Line	S497 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb6402	Line	S497 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb6403	Line	S497 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb6404	Line	S497 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb6405	Line	S497 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb6406	Line	S497 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb6407	Line	S497 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb6408	Line	S497 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb6409	Line	S498 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb6410	Line	S498 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb6411	Line	S498 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb6412	Line	S498 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb6413	Line	S498 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb6414	Line	S498 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb6415	Line	S498 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb6416	Line	S498 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb6417	Line	S498 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb6418	Line	S498 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb6419	Line	S498 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb6420	Line	S498 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb6421	Line	S498 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb6422	Line	S498 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb6423	Line	S498 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb6424	Line	S498	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	8.560	From end								
Slb6425	Line	S498	8.560	Abso	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
		GCS	10.500	From end								
Slb6426	Line	S498	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb6427	Line	S498	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb6428	Line	S498	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb6429	Line	S498	11.480	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
		GCS	11.800	From end								
Slb6430	Line	S498	11.800	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	12.120	From end								
Slb6431	Line	S498	12.120	Abso	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
		GCS	12.700	From end								
Slb6432	Line	S498	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb6433	Line	S498	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb6434	Line	S498	12.960	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	16.360	From end								
Slb6435	Line	S498	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
Slb6436	Line	S498	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb6437	Line	S498	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb6438	Line	S498	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb6439	Line	S498	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb6440	Line	S498	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb6441	Line	S498	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb6442	Line	S498	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb6443	Line	S498	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb6444	Line	S498	23.560	Abso	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
		GCS	24.990	From end								
Slb6445	Line	S499	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb6446	Line	S499	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb6447	Line	S499	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb6448	Line	S499	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb6449	Line	S499	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb6450	Line	S499	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb6451	Line	S499	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb6452	Line	S499	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb6453	Line	S499	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb6454	Line	S499	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb6455	Line	S499	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb6456	Line	S499	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb6457	Line	S499 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb6458	Line	S499 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb6459	Line	S499 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb6460	Line	S499 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb6461	Line	S499 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb6462	Line	S499 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb6463	Line	S499 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb6464	Line	S499 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb6465	Line	S499 GCS	11.480 11.800	Abso From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
Slb6466	Line	S499 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb6467	Line	S499 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb6468	Line	S499 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb6469	Line	S499 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb6470	Line	S499 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb6471	Line	S499 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb6472	Line	S499 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb6473	Line	S499 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb6474	Line	S499 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb6475	Line	S499 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb6476	Line	S499 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb6477	Line	S499 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb6478	Line	S499 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb6479	Line	S499 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb6480	Line	S499 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb6481	Line	S500 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb6482	Line	S500 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb6483	Line	S500 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb6484	Line	S500 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb6485	Line	S500 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb6486	Line	S500 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb6487	Line	S500 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb6488	Line	S500 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb6489	Line	S500	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	3.320	From end								
Slb6490	Line	S500	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb6491	Line	S500	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb6492	Line	S500	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb6493	Line	S500	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb6494	Line	S500	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb6495	Line	S500	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb6496	Line	S500	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb6497	Line	S500	8.560	Abso	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
		GCS	10.500	From end								
Slb6498	Line	S500	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb6499	Line	S500	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb6500	Line	S500	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb6501	Line	S500	11.480	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
		GCS	11.800	From end								
Slb6502	Line	S500	11.800	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	12.120	From end								
Slb6503	Line	S500	12.120	Abso	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
		GCS	12.700	From end								
Slb6504	Line	S500	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb6505	Line	S500	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb6506	Line	S500	12.960	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	16.360	From end								
Slb6507	Line	S500	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
Slb6508	Line	S500	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb6509	Line	S500	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb6510	Line	S500	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb6511	Line	S500	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb6512	Line	S500	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb6513	Line	S500	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb6514	Line	S500	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb6515	Line	S500	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb6516	Line	S500	23.560	Abso	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
		GCS	24.990	From end								
Slb6517	Line	S501	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb6518	Line	S501	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb6519	Line	S501	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb6520	Line	S501	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb6521	Line	S501	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb6522	Line	S501 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb6523	Line	S501 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb6524	Line	S501 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb6525	Line	S501 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb6526	Line	S501 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb6527	Line	S501 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb6528	Line	S501 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb6529	Line	S501 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb6530	Line	S501 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb6531	Line	S501 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb6532	Line	S501 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb6533	Line	S501 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb6534	Line	S501 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb6535	Line	S501 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb6536	Line	S501 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb6537	Line	S501 GCS	11.480 11.800	Abso From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
Slb6538	Line	S501 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb6539	Line	S501 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb6540	Line	S501 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb6541	Line	S501 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb6542	Line	S501 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb6543	Line	S501 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb6544	Line	S501 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb6545	Line	S501 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb6546	Line	S501 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb6547	Line	S501 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb6548	Line	S501 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb6549	Line	S501 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb6550	Line	S501 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb6551	Line	S501 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb6552	Line	S501 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb6553	Line	S502 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb6554	Line	S502	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	1.300	From end								
Slb6555	Line	S502	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb6556	Line	S502	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb6557	Line	S502	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb6558	Line	S502	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb6559	Line	S502	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb6560	Line	S502	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb6561	Line	S502	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb6562	Line	S502	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb6563	Line	S502	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb6564	Line	S502	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb6565	Line	S502	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb6566	Line	S502	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb6567	Line	S502	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb6568	Line	S502	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb6569	Line	S502	8.560	Abso	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
		GCS	10.500	From end								
Slb6570	Line	S502	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb6571	Line	S502	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb6572	Line	S502	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb6573	Line	S502	11.480	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
		GCS	11.800	From end								
Slb6574	Line	S502	11.800	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	12.120	From end								
Slb6575	Line	S502	12.120	Abso	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
		GCS	12.700	From end								
Slb6576	Line	S502	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb6577	Line	S502	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb6578	Line	S502	12.960	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	16.360	From end								
Slb6579	Line	S502	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
Slb6580	Line	S502	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb6581	Line	S502	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb6582	Line	S502	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb6583	Line	S502	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb6584	Line	S502	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb6585	Line	S502	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb6586	Line	S502	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb6587	Line	S502 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb6588	Line	S502 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb6589	Line	S503 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb6590	Line	S503 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb6591	Line	S503 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb6592	Line	S503 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb6593	Line	S503 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb6594	Line	S503 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb6595	Line	S503 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb6596	Line	S503 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb6597	Line	S503 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb6598	Line	S503 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb6599	Line	S503 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb6600	Line	S503 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb6601	Line	S503 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb6602	Line	S503 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb6603	Line	S503 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb6604	Line	S503 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb6605	Line	S503 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb6606	Line	S503 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb6607	Line	S503 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb6608	Line	S503 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb6609	Line	S503 GCS	11.480 11.800	Abso From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
Slb6610	Line	S503 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb6611	Line	S503 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb6612	Line	S503 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb6613	Line	S503 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb6614	Line	S503 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb6615	Line	S503 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb6616	Line	S503 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb6617	Line	S503 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb6618	Line	S503 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb6619	Line	S503	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	19.520	From end								
Slb6620	Line	S503	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb6621	Line	S503	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb6622	Line	S503	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb6623	Line	S503	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb6624	Line	S503	23.560	Abso	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
		GCS	24.990	From end								
Slb6625	Line	S504	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb6626	Line	S504	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb6627	Line	S504	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb6628	Line	S504	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb6629	Line	S504	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb6630	Line	S504	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb6631	Line	S504	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb6632	Line	S504	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb6633	Line	S504	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb6634	Line	S504	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb6635	Line	S504	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb6636	Line	S504	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb6637	Line	S504	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb6638	Line	S504	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb6639	Line	S504	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb6640	Line	S504	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb6641	Line	S504	8.560	Abso	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
		GCS	10.500	From end								
Slb6642	Line	S504	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb6643	Line	S504	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb6644	Line	S504	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb6645	Line	S504	11.480	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
		GCS	11.800	From end								
Slb6646	Line	S504	11.800	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	12.120	From end								
Slb6647	Line	S504	12.120	Abso	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
		GCS	12.700	From end								
Slb6648	Line	S504	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb6649	Line	S504	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb6650	Line	S504	12.960	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	16.360	From end								
Slb6651	Line	S504	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb6652	Line	S504 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb6653	Line	S504 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb6654	Line	S504 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb6655	Line	S504 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb6656	Line	S504 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb6657	Line	S504 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb6658	Line	S504 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb6659	Line	S504 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb6660	Line	S504 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb6661	Line	S505 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb6662	Line	S505 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb6663	Line	S505 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb6664	Line	S505 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb6665	Line	S505 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb6666	Line	S505 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb6667	Line	S505 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb6668	Line	S505 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb6669	Line	S505 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb6670	Line	S505 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb6671	Line	S505 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb6672	Line	S505 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb6673	Line	S505 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb6674	Line	S505 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb6675	Line	S505 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb6676	Line	S505 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb6677	Line	S505 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb6678	Line	S505 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb6679	Line	S505 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb6680	Line	S505 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb6681	Line	S505 GCS	11.480 11.800	Abso From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
Slb6682	Line	S505 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb6683	Line	S505 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb6684	Line	S505	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	12.800	From end								
Slb6685	Line	S505	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb6686	Line	S505	12.960	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	16.360	From end								
Slb6687	Line	S505	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
Slb6688	Line	S505	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb6689	Line	S505	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb6690	Line	S505	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb6691	Line	S505	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb6692	Line	S505	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb6693	Line	S505	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb6694	Line	S505	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb6695	Line	S505	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb6696	Line	S505	23.560	Abso	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
		GCS	24.990	From end								
Slb6697	Line	S506	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb6698	Line	S506	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb6699	Line	S506	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb6700	Line	S506	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb6701	Line	S506	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb6702	Line	S506	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb6703	Line	S506	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb6704	Line	S506	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb6705	Line	S506	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb6706	Line	S506	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb6707	Line	S506	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb6708	Line	S506	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb6709	Line	S506	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb6710	Line	S506	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb6711	Line	S506	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb6712	Line	S506	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb6713	Line	S506	8.560	Abso	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
		GCS	10.500	From end								
Slb6714	Line	S506	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb6715	Line	S506	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb6716	Line	S506	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb6717	Line	S506 GCS	11.480 11.800	Abso From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
Slb6718	Line	S506 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb6719	Line	S506 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb6720	Line	S506 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb6721	Line	S506 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb6722	Line	S506 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb6723	Line	S506 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb6724	Line	S506 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb6725	Line	S506 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb6726	Line	S506 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb6727	Line	S506 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb6728	Line	S506 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb6729	Line	S506 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb6730	Line	S506 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb6731	Line	S506 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb6732	Line	S506 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb6733	Line	S507 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb6734	Line	S507 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb6735	Line	S507 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb6736	Line	S507 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb6737	Line	S507 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb6738	Line	S507 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb6739	Line	S507 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb6740	Line	S507 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb6741	Line	S507 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb6742	Line	S507 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb6743	Line	S507 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb6744	Line	S507 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb6745	Line	S507 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb6746	Line	S507 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb6747	Line	S507 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb6748	Line	S507 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb6749	Line	S507	8.560	Abso	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	10.500	From end								
Slb6750	Line	S507	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb6751	Line	S507	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb6752	Line	S507	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb6753	Line	S507	11.480	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
		GCS	11.800	From end								
Slb6754	Line	S507	11.800	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	12.120	From end								
Slb6755	Line	S507	12.120	Abso	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
		GCS	12.700	From end								
Slb6756	Line	S507	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb6757	Line	S507	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb6758	Line	S507	12.960	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	16.360	From end								
Slb6759	Line	S507	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
Slb6760	Line	S507	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb6761	Line	S507	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb6762	Line	S507	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb6763	Line	S507	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb6764	Line	S507	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb6765	Line	S507	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb6766	Line	S507	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb6767	Line	S507	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb6768	Line	S507	23.560	Abso	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
		GCS	24.990	From end								
Slb6769	Line	S508	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb6770	Line	S508	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb6771	Line	S508	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb6772	Line	S508	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb6773	Line	S508	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb6774	Line	S508	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb6775	Line	S508	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb6776	Line	S508	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb6777	Line	S508	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb6778	Line	S508	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb6779	Line	S508	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb6780	Line	S508	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb6781	Line	S508	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb6782	Line	S508 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb6783	Line	S508 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb6784	Line	S508 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb6785	Line	S508 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb6786	Line	S508 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb6787	Line	S508 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb6788	Line	S508 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb6789	Line	S508 GCS	11.480 11.800	Abso From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
Slb6790	Line	S508 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb6791	Line	S508 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb6792	Line	S508 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb6793	Line	S508 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb6794	Line	S508 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb6795	Line	S508 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb6796	Line	S508 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb6797	Line	S508 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb6798	Line	S508 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb6799	Line	S508 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb6800	Line	S508 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb6801	Line	S508 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb6802	Line	S508 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb6803	Line	S508 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb6804	Line	S508 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb6805	Line	S509 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb6806	Line	S509 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb6807	Line	S509 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb6808	Line	S509 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb6809	Line	S509 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb6810	Line	S509 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb6811	Line	S509 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb6812	Line	S509 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb6813	Line	S509 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb6814	Line	S509	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	4.120	From end								
Slb6815	Line	S509	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb6816	Line	S509	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb6817	Line	S509	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb6818	Line	S509	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb6819	Line	S509	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb6820	Line	S509	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb6821	Line	S509	8.560	Abso	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
		GCS	10.500	From end								
Slb6822	Line	S509	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb6823	Line	S509	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb6824	Line	S509	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb6825	Line	S509	11.480	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
		GCS	11.800	From end								
Slb6826	Line	S509	11.800	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	12.120	From end								
Slb6827	Line	S509	12.120	Abso	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
		GCS	12.700	From end								
Slb6828	Line	S509	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb6829	Line	S509	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb6830	Line	S509	12.960	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	16.360	From end								
Slb6831	Line	S509	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
Slb6832	Line	S509	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb6833	Line	S509	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb6834	Line	S509	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb6835	Line	S509	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb6836	Line	S509	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb6837	Line	S509	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb6838	Line	S509	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb6839	Line	S509	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb6840	Line	S509	23.560	Abso	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
		GCS	24.990	From end								
Slb6841	Line	S510	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb6842	Line	S510	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb6843	Line	S510	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb6844	Line	S510	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb6845	Line	S510	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb6846	Line	S510	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb6847	Line	S510 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb6848	Line	S510 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb6849	Line	S510 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb6850	Line	S510 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb6851	Line	S510 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb6852	Line	S510 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb6853	Line	S510 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb6854	Line	S510 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb6855	Line	S510 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb6856	Line	S510 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb6857	Line	S510 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb6858	Line	S510 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb6859	Line	S510 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb6860	Line	S510 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb6861	Line	S510 GCS	11.480 11.800	Abso From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
Slb6862	Line	S510 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb6863	Line	S510 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb6864	Line	S510 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb6865	Line	S510 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb6866	Line	S510 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb6867	Line	S510 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb6868	Line	S510 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb6869	Line	S510 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb6870	Line	S510 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb6871	Line	S510 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb6872	Line	S510 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb6873	Line	S510 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb6874	Line	S510 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb6875	Line	S510 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb6876	Line	S510 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb6877	Line	S511 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb6878	Line	S511 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb6879	Line	S511	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	1.460	From end								
Slb6880	Line	S511	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb6881	Line	S511	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb6882	Line	S511	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb6883	Line	S511	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb6884	Line	S511	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb6885	Line	S511	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb6886	Line	S511	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb6887	Line	S511	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb6888	Line	S511	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb6889	Line	S511	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb6890	Line	S511	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb6891	Line	S511	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb6892	Line	S511	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb6893	Line	S511	8.560	Abso	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
		GCS	10.500	From end								
Slb6894	Line	S511	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb6895	Line	S511	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb6896	Line	S511	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb6897	Line	S511	11.480	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
		GCS	11.800	From end								
Slb6898	Line	S511	11.800	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	12.120	From end								
Slb6899	Line	S511	12.120	Abso	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
		GCS	12.700	From end								
Slb6900	Line	S511	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb6901	Line	S511	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb6902	Line	S511	12.960	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	16.360	From end								
Slb6903	Line	S511	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
Slb6904	Line	S511	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb6905	Line	S511	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb6906	Line	S511	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb6907	Line	S511	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb6908	Line	S511	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb6909	Line	S511	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb6910	Line	S511	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb6911	Line	S511	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb6912	Line	S511 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb6913	Line	S512 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb6914	Line	S512 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb6915	Line	S512 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb6916	Line	S512 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb6917	Line	S512 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb6918	Line	S512 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb6919	Line	S512 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb6920	Line	S512 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb6921	Line	S512 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb6922	Line	S512 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb6923	Line	S512 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb6924	Line	S512 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb6925	Line	S512 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb6926	Line	S512 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb6927	Line	S512 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb6928	Line	S512 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb6929	Line	S512 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb6930	Line	S512 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb6931	Line	S512 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb6932	Line	S512 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb6933	Line	S512 GCS	11.480 11.800	Abso From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
Slb6934	Line	S512 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb6935	Line	S512 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb6936	Line	S512 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb6937	Line	S512 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb6938	Line	S512 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb6939	Line	S512 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb6940	Line	S512 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb6941	Line	S512 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb6942	Line	S512 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb6943	Line	S512 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb6944	Line	S512	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	19.820	From end								
Slb6945	Line	S512	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb6946	Line	S512	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb6947	Line	S512	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb6948	Line	S512	23.560	Abso	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
		GCS	24.990	From end								
Slb6949	Line	S513	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb6950	Line	S513	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb6951	Line	S513	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb6952	Line	S513	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb6953	Line	S513	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb6954	Line	S513	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb6955	Line	S513	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb6956	Line	S513	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb6957	Line	S513	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb6958	Line	S513	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb6959	Line	S513	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb6960	Line	S513	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb6961	Line	S513	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb6962	Line	S513	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb6963	Line	S513	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb6964	Line	S513	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb6965	Line	S513	8.560	Abso	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
		GCS	10.500	From end								
Slb6966	Line	S513	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb6967	Line	S513	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb6968	Line	S513	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb6969	Line	S513	11.480	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
		GCS	11.800	From end								
Slb6970	Line	S513	11.800	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	12.120	From end								
Slb6971	Line	S513	12.120	Abso	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
		GCS	12.700	From end								
Slb6972	Line	S513	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb6973	Line	S513	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb6974	Line	S513	12.960	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	16.360	From end								
Slb6975	Line	S513	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
Slb6976	Line	S513	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb6977	Line	S513 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb6978	Line	S513 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb6979	Line	S513 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb6980	Line	S513 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb6981	Line	S513 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb6982	Line	S513 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb6983	Line	S513 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb6984	Line	S513 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb6985	Line	S514 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb6986	Line	S514 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb6987	Line	S514 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb6988	Line	S514 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb6989	Line	S514 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb6990	Line	S514 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb6991	Line	S514 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb6992	Line	S514 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb6993	Line	S514 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb6994	Line	S514 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb6995	Line	S514 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb6996	Line	S514 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb6997	Line	S514 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb6998	Line	S514 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb6999	Line	S514 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb7000	Line	S514 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb7001	Line	S514 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb7002	Line	S514 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb7003	Line	S514 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb7004	Line	S514 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb7005	Line	S514 GCS	11.480 11.800	Abso From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
Slb7006	Line	S514 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb7007	Line	S514 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb7008	Line	S514 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb7009	Line	S514	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	12.960	From end								
Slb7010	Line	S514	12.960	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	16.360	From end								
Slb7011	Line	S514	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
Slb7012	Line	S514	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb7013	Line	S514	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb7014	Line	S514	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb7015	Line	S514	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb7016	Line	S514	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb7017	Line	S514	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb7018	Line	S514	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb7019	Line	S514	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb7020	Line	S514	23.560	Abso	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
		GCS	24.990	From end								
Slb7021	Line	S515	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb7022	Line	S515	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb7023	Line	S515	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb7024	Line	S515	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb7025	Line	S515	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb7026	Line	S515	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb7027	Line	S515	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb7028	Line	S515	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb7029	Line	S515	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb7030	Line	S515	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb7031	Line	S515	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb7032	Line	S515	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb7033	Line	S515	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb7034	Line	S515	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb7035	Line	S515	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb7036	Line	S515	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb7037	Line	S515	8.560	Abso	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
		GCS	10.500	From end								
Slb7038	Line	S515	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb7039	Line	S515	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb7040	Line	S515	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb7041	Line	S515	11.480	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
		GCS	11.800	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb7042	Line	S515 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb7043	Line	S515 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb7044	Line	S515 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb7045	Line	S515 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb7046	Line	S515 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb7047	Line	S515 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb7048	Line	S515 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb7049	Line	S515 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb7050	Line	S515 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb7051	Line	S515 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb7052	Line	S515 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb7053	Line	S515 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb7054	Line	S515 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb7055	Line	S515 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb7056	Line	S515 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb7057	Line	S516 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb7058	Line	S516 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb7059	Line	S516 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb7060	Line	S516 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb7061	Line	S516 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb7062	Line	S516 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb7063	Line	S516 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb7064	Line	S516 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb7065	Line	S516 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb7066	Line	S516 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb7067	Line	S516 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb7068	Line	S516 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb7069	Line	S516 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb7070	Line	S516 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb7071	Line	S516 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb7072	Line	S516 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb7073	Line	S516 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb7074	Line	S516	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	10.780	From end								
Slb7075	Line	S516	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb7076	Line	S516	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb7077	Line	S516	11.480	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
		GCS	11.800	From end								
Slb7078	Line	S516	11.800	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	12.120	From end								
Slb7079	Line	S516	12.120	Abso	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
		GCS	12.700	From end								
Slb7080	Line	S516	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb7081	Line	S516	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb7082	Line	S516	12.960	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	16.360	From end								
Slb7083	Line	S516	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
Slb7084	Line	S516	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb7085	Line	S516	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb7086	Line	S516	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb7087	Line	S516	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb7088	Line	S516	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb7089	Line	S516	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb7090	Line	S516	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb7091	Line	S516	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb7092	Line	S516	23.560	Abso	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
		GCS	24.990	From end								
Slb7093	Line	S517	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb7094	Line	S517	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb7095	Line	S517	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb7096	Line	S517	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb7097	Line	S517	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb7098	Line	S517	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb7099	Line	S517	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb7100	Line	S517	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb7101	Line	S517	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb7102	Line	S517	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb7103	Line	S517	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb7104	Line	S517	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb7105	Line	S517	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb7106	Line	S517	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb7107	Line	S517 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb7108	Line	S517 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb7109	Line	S517 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb7110	Line	S517 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb7111	Line	S517 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb7112	Line	S517 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb7113	Line	S517 GCS	11.480 11.800	Abso From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
Slb7114	Line	S517 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb7115	Line	S517 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb7116	Line	S517 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb7117	Line	S517 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb7118	Line	S517 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb7119	Line	S517 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb7120	Line	S517 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb7121	Line	S517 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb7122	Line	S517 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb7123	Line	S517 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb7124	Line	S517 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb7125	Line	S517 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb7126	Line	S517 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb7127	Line	S517 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb7128	Line	S517 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb7129	Line	S518 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb7130	Line	S518 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb7131	Line	S518 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb7132	Line	S518 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb7133	Line	S518 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb7134	Line	S518 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb7135	Line	S518 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb7136	Line	S518 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb7137	Line	S518 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb7138	Line	S518 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb7139	Line	S518	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	5.480	From end								
Slb7140	Line	S518	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb7141	Line	S518	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb7142	Line	S518	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb7143	Line	S518	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb7144	Line	S518	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb7145	Line	S518	8.560	Abso	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
		GCS	10.500	From end								
Slb7146	Line	S518	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb7147	Line	S518	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb7148	Line	S518	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb7149	Line	S518	11.480	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
		GCS	11.800	From end								
Slb7150	Line	S518	11.800	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	12.120	From end								
Slb7151	Line	S518	12.120	Abso	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
		GCS	12.700	From end								
Slb7152	Line	S518	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb7153	Line	S518	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb7154	Line	S518	12.960	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	16.360	From end								
Slb7155	Line	S518	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
Slb7156	Line	S518	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb7157	Line	S518	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb7158	Line	S518	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb7159	Line	S518	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb7160	Line	S518	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb7161	Line	S518	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb7162	Line	S518	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb7163	Line	S518	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb7164	Line	S518	23.560	Abso	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
		GCS	24.990	From end								
Slb7165	Line	S519	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb7166	Line	S519	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb7167	Line	S519	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb7168	Line	S519	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb7169	Line	S519	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb7170	Line	S519	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb7171	Line	S519	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb7172	Line	S519 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb7173	Line	S519 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb7174	Line	S519 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb7175	Line	S519 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb7176	Line	S519 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb7177	Line	S519 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb7178	Line	S519 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb7179	Line	S519 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb7180	Line	S519 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb7181	Line	S519 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb7182	Line	S519 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb7183	Line	S519 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb7184	Line	S519 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb7185	Line	S519 GCS	11.480 11.800	Abso From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
Slb7186	Line	S519 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb7187	Line	S519 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb7188	Line	S519 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb7189	Line	S519 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb7190	Line	S519 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb7191	Line	S519 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb7192	Line	S519 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb7193	Line	S519 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb7194	Line	S519 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb7195	Line	S519 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb7196	Line	S519 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb7197	Line	S519 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb7198	Line	S519 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb7199	Line	S519 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb7200	Line	S519 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb7201	Line	S520 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb7202	Line	S520 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb7203	Line	S520 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb7204	Line	S520	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	1.500	From end								
Slb7205	Line	S520	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb7206	Line	S520	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb7207	Line	S520	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb7208	Line	S520	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb7209	Line	S520	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb7210	Line	S520	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb7211	Line	S520	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb7212	Line	S520	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb7213	Line	S520	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb7214	Line	S520	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb7215	Line	S520	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb7216	Line	S520	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb7217	Line	S520	8.560	Abso	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
		GCS	10.500	From end								
Slb7218	Line	S520	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb7219	Line	S520	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb7220	Line	S520	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb7221	Line	S520	11.480	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
		GCS	11.800	From end								
Slb7222	Line	S520	11.800	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	12.120	From end								
Slb7223	Line	S520	12.120	Abso	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
		GCS	12.700	From end								
Slb7224	Line	S520	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb7225	Line	S520	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb7226	Line	S520	12.960	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	16.360	From end								
Slb7227	Line	S520	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
Slb7228	Line	S520	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb7229	Line	S520	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb7230	Line	S520	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb7231	Line	S520	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb7232	Line	S520	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb7233	Line	S520	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb7234	Line	S520	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb7235	Line	S520	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb7236	Line	S520	23.560	Abso	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
		GCS	24.990	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb7237	Line	S521 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb7238	Line	S521 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb7239	Line	S521 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb7240	Line	S521 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb7241	Line	S521 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb7242	Line	S521 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb7243	Line	S521 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb7244	Line	S521 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb7245	Line	S521 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb7246	Line	S521 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb7247	Line	S521 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb7248	Line	S521 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb7249	Line	S521 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb7250	Line	S521 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb7251	Line	S521 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb7252	Line	S521 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb7253	Line	S521 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb7254	Line	S521 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb7255	Line	S521 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb7256	Line	S521 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb7257	Line	S521 GCS	11.480 11.800	Abso From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
Slb7258	Line	S521 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb7259	Line	S521 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb7260	Line	S521 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb7261	Line	S521 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb7262	Line	S521 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb7263	Line	S521 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb7264	Line	S521 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb7265	Line	S521 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb7266	Line	S521 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb7267	Line	S521 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb7268	Line	S521 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb7269	Line	S521	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	22.380	From end								
Slb7270	Line	S521	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb7271	Line	S521	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb7272	Line	S521	23.560	Abso	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
		GCS	24.990	From end								
Slb7273	Line	S522	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb7274	Line	S522	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb7275	Line	S522	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb7276	Line	S522	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb7277	Line	S522	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb7278	Line	S522	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb7279	Line	S522	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb7280	Line	S522	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb7281	Line	S522	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb7282	Line	S522	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb7283	Line	S522	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb7284	Line	S522	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb7285	Line	S522	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb7286	Line	S522	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb7287	Line	S522	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb7288	Line	S522	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb7289	Line	S522	8.560	Abso	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
		GCS	10.500	From end								
Slb7290	Line	S522	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb7291	Line	S522	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb7292	Line	S522	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb7293	Line	S522	11.480	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
		GCS	11.800	From end								
Slb7294	Line	S522	11.800	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	12.120	From end								
Slb7295	Line	S522	12.120	Abso	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
		GCS	12.700	From end								
Slb7296	Line	S522	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb7297	Line	S522	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb7298	Line	S522	12.960	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	16.360	From end								
Slb7299	Line	S522	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
Slb7300	Line	S522	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb7301	Line	S522	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb7302	Line	S522 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb7303	Line	S522 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb7304	Line	S522 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb7305	Line	S522 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb7306	Line	S522 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb7307	Line	S522 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb7308	Line	S522 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb7309	Line	S523 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb7310	Line	S523 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb7311	Line	S523 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb7312	Line	S523 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb7313	Line	S523 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb7314	Line	S523 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb7315	Line	S523 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb7316	Line	S523 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb7317	Line	S523 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb7318	Line	S523 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb7319	Line	S523 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb7320	Line	S523 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb7321	Line	S523 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb7322	Line	S523 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb7323	Line	S523 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb7324	Line	S523 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb7325	Line	S523 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb7326	Line	S523 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb7327	Line	S523 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb7328	Line	S523 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb7329	Line	S523 GCS	11.480 11.800	Abso From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
Slb7330	Line	S523 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb7331	Line	S523 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb7332	Line	S523 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb7333	Line	S523 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb7334	Line	S523	12.960	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	16.360	From end								
Slb7335	Line	S523	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
Slb7336	Line	S523	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb7337	Line	S523	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb7338	Line	S523	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb7339	Line	S523	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb7340	Line	S523	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb7341	Line	S523	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb7342	Line	S523	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb7343	Line	S523	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb7344	Line	S523	23.560	Abso	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
		GCS	24.990	From end								
Slb7345	Line	S524	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb7346	Line	S524	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb7347	Line	S524	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb7348	Line	S524	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb7349	Line	S524	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb7350	Line	S524	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb7351	Line	S524	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb7352	Line	S524	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb7353	Line	S524	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb7354	Line	S524	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb7355	Line	S524	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb7356	Line	S524	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb7357	Line	S524	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb7358	Line	S524	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb7359	Line	S524	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb7360	Line	S524	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb7361	Line	S524	8.560	Abso	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
		GCS	10.500	From end								
Slb7362	Line	S524	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb7363	Line	S524	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb7364	Line	S524	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb7365	Line	S524	11.480	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
		GCS	11.800	From end								
Slb7366	Line	S524	11.800	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	12.120	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb7367	Line	S524 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb7368	Line	S524 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb7369	Line	S524 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb7370	Line	S524 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb7371	Line	S524 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb7372	Line	S524 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb7373	Line	S524 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb7374	Line	S524 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb7375	Line	S524 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb7376	Line	S524 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb7377	Line	S524 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb7378	Line	S524 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb7379	Line	S524 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb7380	Line	S524 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb7381	Line	S525 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb7382	Line	S525 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb7383	Line	S525 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb7384	Line	S525 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb7385	Line	S525 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb7386	Line	S525 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb7387	Line	S525 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb7388	Line	S525 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb7389	Line	S525 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb7390	Line	S525 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb7391	Line	S525 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb7392	Line	S525 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb7393	Line	S525 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb7394	Line	S525 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb7395	Line	S525 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb7396	Line	S525 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb7397	Line	S525 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb7398	Line	S525 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb7399	Line	S525	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	10.920	From end								
Slb7400	Line	S525	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb7401	Line	S525	11.480	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
		GCS	11.800	From end								
Slb7402	Line	S525	11.800	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	12.120	From end								
Slb7403	Line	S525	12.120	Abso	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
		GCS	12.700	From end								
Slb7404	Line	S525	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb7405	Line	S525	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb7406	Line	S525	12.960	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	16.360	From end								
Slb7407	Line	S525	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
Slb7408	Line	S525	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb7409	Line	S525	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb7410	Line	S525	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb7411	Line	S525	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb7412	Line	S525	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb7413	Line	S525	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb7414	Line	S525	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb7415	Line	S525	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb7416	Line	S525	23.560	Abso	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
		GCS	24.990	From end								
Slb7417	Line	S526	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb7418	Line	S526	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb7419	Line	S526	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb7420	Line	S526	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb7421	Line	S526	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb7422	Line	S526	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb7423	Line	S526	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb7424	Line	S526	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb7425	Line	S526	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb7426	Line	S526	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb7427	Line	S526	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb7428	Line	S526	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb7429	Line	S526	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb7430	Line	S526	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb7431	Line	S526	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb7432	Line	S526 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb7433	Line	S526 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb7434	Line	S526 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb7435	Line	S526 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb7436	Line	S526 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb7437	Line	S526 GCS	11.480 11.800	Abso From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
Slb7438	Line	S526 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb7439	Line	S526 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb7440	Line	S526 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb7441	Line	S526 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb7442	Line	S526 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb7443	Line	S526 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb7444	Line	S526 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb7445	Line	S526 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb7446	Line	S526 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb7447	Line	S526 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb7448	Line	S526 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb7449	Line	S526 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb7450	Line	S526 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb7451	Line	S526 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb7452	Line	S526 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb7453	Line	S527 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb7454	Line	S527 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb7455	Line	S527 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb7456	Line	S527 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb7457	Line	S527 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb7458	Line	S527 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb7459	Line	S527 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb7460	Line	S527 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb7461	Line	S527 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb7462	Line	S527 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb7463	Line	S527 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb7464	Line	S527	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	7.120	From end								
Slb7465	Line	S527	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb7466	Line	S527	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb7467	Line	S527	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb7468	Line	S527	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb7469	Line	S527	8.560	Abso	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
		GCS	10.500	From end								
Slb7470	Line	S527	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb7471	Line	S527	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb7472	Line	S527	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb7473	Line	S527	11.480	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
		GCS	11.800	From end								
Slb7474	Line	S527	11.800	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	12.120	From end								
Slb7475	Line	S527	12.120	Abso	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
		GCS	12.700	From end								
Slb7476	Line	S527	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb7477	Line	S527	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb7478	Line	S527	12.960	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	16.360	From end								
Slb7479	Line	S527	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
Slb7480	Line	S527	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb7481	Line	S527	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb7482	Line	S527	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb7483	Line	S527	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb7484	Line	S527	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb7485	Line	S527	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb7486	Line	S527	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb7487	Line	S527	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb7488	Line	S527	23.560	Abso	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
		GCS	24.990	From end								
Slb7489	Line	S528	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb7490	Line	S528	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb7491	Line	S528	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb7492	Line	S528	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb7493	Line	S528	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb7494	Line	S528	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb7495	Line	S528	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb7496	Line	S528	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb7497	Line	S528 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb7498	Line	S528 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb7499	Line	S528 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb7500	Line	S528 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb7501	Line	S528 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb7502	Line	S528 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb7503	Line	S528 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb7504	Line	S528 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb7505	Line	S528 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb7506	Line	S528 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb7507	Line	S528 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb7508	Line	S528 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb7509	Line	S528 GCS	11.480 11.800	Abso From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
Slb7510	Line	S528 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb7511	Line	S528 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb7512	Line	S528 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb7513	Line	S528 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb7514	Line	S528 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb7515	Line	S528 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb7516	Line	S528 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb7517	Line	S528 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb7518	Line	S528 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb7519	Line	S528 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb7520	Line	S528 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb7521	Line	S528 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb7522	Line	S528 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb7523	Line	S528 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb7524	Line	S528 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
Slb7525	Line	S529 GCS	0.500 1.020	Abso From end	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
Slb7526	Line	S529 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb7527	Line	S529 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb7528	Line	S529 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb7529	Line	S529	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	1.680	From end								
Slb7530	Line	S529	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb7531	Line	S529	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb7532	Line	S529	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb7533	Line	S529	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb7534	Line	S529	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb7535	Line	S529	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb7536	Line	S529	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb7537	Line	S529	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb7538	Line	S529	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb7539	Line	S529	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb7540	Line	S529	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb7541	Line	S529	8.560	Abso	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
		GCS	10.500	From end								
Slb7542	Line	S529	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb7543	Line	S529	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb7544	Line	S529	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb7545	Line	S529	11.480	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
		GCS	11.800	From end								
Slb7546	Line	S529	11.800	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	12.120	From end								
Slb7547	Line	S529	12.120	Abso	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
		GCS	12.700	From end								
Slb7548	Line	S529	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb7549	Line	S529	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb7550	Line	S529	12.960	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	16.360	From end								
Slb7551	Line	S529	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
Slb7552	Line	S529	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb7553	Line	S529	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb7554	Line	S529	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								
Slb7555	Line	S529	18.300	Abso	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
		GCS	19.520	From end								
Slb7556	Line	S529	19.520	Abso	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
		GCS	19.820	From end								
Slb7557	Line	S529	19.820	Abso	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
		GCS	22.380	From end								
Slb7558	Line	S529	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	22.540	From end								
Slb7559	Line	S529	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb7560	Line	S529	23.560	Abso	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
		GCS	24.990	From end								
Slb7561	Line	S530	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb7562	Line	S530 GCS	1.020 1.300	Abso From end	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
Slb7563	Line	S530 GCS	1.300 1.460	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb7564	Line	S530 GCS	1.460 1.500	Abso From end	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
Slb7565	Line	S530 GCS	1.500 1.680	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb7566	Line	S530 GCS	1.680 2.100	Abso From end	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
Slb7567	Line	S530 GCS	2.100 2.720	Abso From end	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
Slb7568	Line	S530 GCS	2.720 3.080	Abso From end	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
Slb7569	Line	S530 GCS	3.080 3.320	Abso From end	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
Slb7570	Line	S530 GCS	3.320 4.120	Abso From end	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
Slb7571	Line	S530 GCS	4.120 5.480	Abso From end	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
Slb7572	Line	S530 GCS	5.480 7.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb7573	Line	S530 GCS	7.120 7.820	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb7574	Line	S530 GCS	7.820 7.880	Abso From end	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
Slb7575	Line	S530 GCS	7.880 8.200	Abso From end	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
Slb7576	Line	S530 GCS	8.200 8.560	Abso From end	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
Slb7577	Line	S530 GCS	8.560 10.500	Abso From end	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
Slb7578	Line	S530 GCS	10.500 10.780	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb7579	Line	S530 GCS	10.780 10.920	Abso From end	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
Slb7580	Line	S530 GCS	10.920 11.480	Abso From end	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
Slb7581	Line	S530 GCS	11.480 11.800	Abso From end	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
Slb7582	Line	S530 GCS	11.800 12.120	Abso From end	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
Slb7583	Line	S530 GCS	12.120 12.700	Abso From end	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
Slb7584	Line	S530 GCS	12.700 12.800	Abso From end	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
Slb7585	Line	S530 GCS	12.800 12.960	Abso From end	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
Slb7586	Line	S530 GCS	12.960 16.360	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb7587	Line	S530 GCS	16.360 16.440	Abso From end	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
Slb7588	Line	S530 GCS	16.440 17.820	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb7589	Line	S530 GCS	17.820 17.980	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb7590	Line	S530 GCS	17.980 18.300	Abso From end	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
Slb7591	Line	S530 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb7592	Line	S530 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb7593	Line	S530 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb7594	Line	S530	22.380	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
		GCS	22.540	From end								
Slb7595	Line	S530	22.540	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	23.560	From end								
Slb7596	Line	S530	23.560	Abso	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free
		GCS	24.990	From end								
Slb7597	Line	S531	0.500	Abso	Flexible	2.2000e+00	Flexible	2.2000e+00	Free	Free	Free	Free
		GCS	1.020	From end								
Slb7598	Line	S531	1.020	Abso	Flexible	1.5000e+00	Flexible	1.5000e+00	Free	Free	Free	Free
		GCS	1.300	From end								
Slb7599	Line	S531	1.300	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.460	From end								
Slb7600	Line	S531	1.460	Abso	Flexible	1.7000e+00	Flexible	1.7000e+00	Free	Free	Free	Free
		GCS	1.500	From end								
Slb7601	Line	S531	1.500	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	1.680	From end								
Slb7602	Line	S531	1.680	Abso	Flexible	3.4000e+00	Flexible	3.4000e+00	Free	Free	Free	Free
		GCS	2.100	From end								
Slb7603	Line	S531	2.100	Abso	Flexible	1.9000e+00	Flexible	1.9000e+00	Free	Free	Free	Free
		GCS	2.720	From end								
Slb7604	Line	S531	2.720	Abso	Flexible	6.8000e+00	Flexible	6.8000e+00	Free	Free	Free	Free
		GCS	3.080	From end								
Slb7605	Line	S531	3.080	Abso	Flexible	1.0200e+01	Flexible	1.0200e+01	Free	Free	Free	Free
		GCS	3.320	From end								
Slb7606	Line	S531	3.320	Abso	Flexible	1.4500e+01	Flexible	1.4500e+01	Free	Free	Free	Free
		GCS	4.120	From end								
Slb7607	Line	S531	4.120	Abso	Flexible	8.5000e+00	Flexible	8.5000e+00	Free	Free	Free	Free
		GCS	5.480	From end								
Slb7608	Line	S531	5.480	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	7.120	From end								
Slb7609	Line	S531	7.120	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	7.820	From end								
Slb7610	Line	S531	7.820	Abso	Flexible	6.3000e+00	Flexible	6.3000e+00	Free	Free	Free	Free
		GCS	7.880	From end								
Slb7611	Line	S531	7.880	Abso	Flexible	7.2000e+00	Flexible	7.2000e+00	Free	Free	Free	Free
		GCS	8.200	From end								
Slb7612	Line	S531	8.200	Abso	Flexible	5.1000e+00	Flexible	5.1000e+00	Free	Free	Free	Free
		GCS	8.560	From end								
Slb7613	Line	S531	8.560	Abso	Flexible	7.7000e+00	Flexible	7.7000e+00	Free	Free	Free	Free
		GCS	10.500	From end								
Slb7614	Line	S531	10.500	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	10.780	From end								
Slb7615	Line	S531	10.780	Abso	Flexible	9.4000e+00	Flexible	9.4000e+00	Free	Free	Free	Free
		GCS	10.920	From end								
Slb7616	Line	S531	10.920	Abso	Flexible	9.5000e+00	Flexible	9.5000e+00	Free	Free	Free	Free
		GCS	11.480	From end								
Slb7617	Line	S531	11.480	Abso	Flexible	9.0000e+00	Flexible	9.0000e+00	Free	Free	Free	Free
		GCS	11.800	From end								
Slb7618	Line	S531	11.800	Abso	Flexible	4.8000e+00	Flexible	4.8000e+00	Free	Free	Free	Free
		GCS	12.120	From end								
Slb7619	Line	S531	12.120	Abso	Flexible	8.4000e+00	Flexible	8.4000e+00	Free	Free	Free	Free
		GCS	12.700	From end								
Slb7620	Line	S531	12.700	Abso	Flexible	3.1100e+01	Flexible	3.1100e+01	Free	Free	Free	Free
		GCS	12.800	From end								
Slb7621	Line	S531	12.800	Abso	Flexible	3.1500e+01	Flexible	3.1500e+01	Free	Free	Free	Free
		GCS	12.960	From end								
Slb7622	Line	S531	12.960	Abso	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
		GCS	16.360	From end								
Slb7623	Line	S531	16.360	Abso	Flexible	2.0400e+01	Flexible	2.0400e+01	Free	Free	Free	Free
		GCS	16.440	From end								
Slb7624	Line	S531	16.440	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	17.820	From end								
Slb7625	Line	S531	17.820	Abso	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
		GCS	17.980	From end								
Slb7626	Line	S531	17.980	Abso	Flexible	1.2900e+01	Flexible	1.2900e+01	Free	Free	Free	Free
		GCS	18.300	From end								

Name	Type	Member	Pos x ₁ [m]	Coor	X	Stiffness X [MN/m ²]	Y	Stiffness Y [MN/m ²]	Z	Rx	Ry	Rz
		System	Pos x ₂ [m]	Orig								
Slb7627	Line	S531 GCS	18.300 19.520	Abso From end	Flexible	2.0600e+01	Flexible	2.0600e+01	Free	Free	Free	Free
Slb7628	Line	S531 GCS	19.520 19.820	Abso From end	Flexible	1.4800e+01	Flexible	1.4800e+01	Free	Free	Free	Free
Slb7629	Line	S531 GCS	19.820 22.380	Abso From end	Flexible	2.1300e+01	Flexible	2.1300e+01	Free	Free	Free	Free
Slb7630	Line	S531 GCS	22.380 22.540	Abso From end	Flexible	1.8500e+01	Flexible	1.8500e+01	Free	Free	Free	Free
Slb7631	Line	S531 GCS	22.540 23.560	Abso From end	Flexible	2.2300e+01	Flexible	2.2300e+01	Free	Free	Free	Free
Slb7632	Line	S531 GCS	23.560 24.990	Abso From end	Flexible	2.7700e+01	Flexible	2.7700e+01	Free	Free	Free	Free

3. Loads

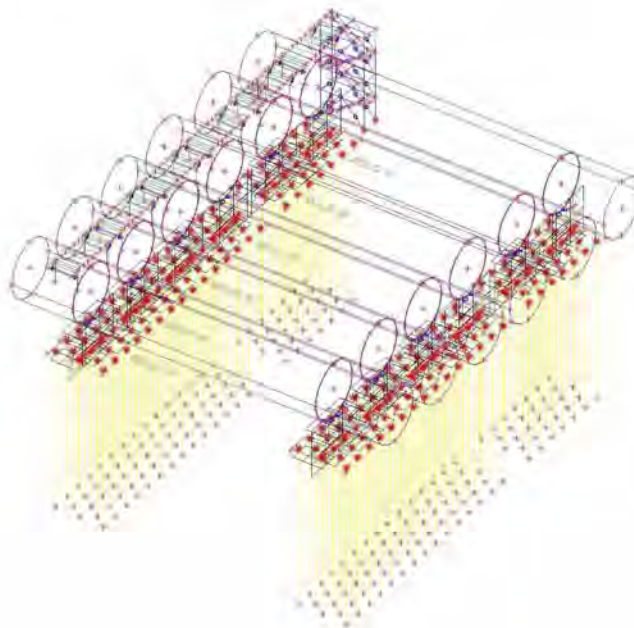
3.1. Load cases

Name	Description	Action type	Load group	Load type	Spec	Direction	Duration	Master load case
BG101	Dead load structure	Permanent	LG1	Self weight		-Z		
BG102	Permanent	Permanent	LG1	Standard				
BG111	Thermal -40°	Variable	LG2	Static	Standard		Short	None
BG112	Thermal 50°	Variable	LG2	Static	Standard		Short	None
BG121	Wind x-axis	Variable	LG3	Static	Standard		Short	None
BG122	Wind y-axis	Variable	LG3	Static	Standard		Short	None
BG123	Wind -x-axis	Variable	LG3	Static	Standard		Short	None
BG124	Wind -y-axis	Variable	LG3	Static	Standard		Short	None
BG131	Snow	Variable	LG4	Static	Standard		Short	None
BG141	Silo 1	Variable	LG5	Static	Standard		Short	None
BG142	Silo 2	Variable	LG5	Static	Standard		Short	None
BG143	Silo 3	Variable	LG5	Static	Standard		Short	None
BG144	Silo 4	Variable	LG5	Static	Standard		Short	None
BG145	Silo 5	Variable	LG5	Static	Standard		Short	None
BG146	Silo 6	Variable	LG5	Static	Standard		Short	None
BG147	LL platform	Variable	LG5	Static	Standard		Short	None
BG148	LL stairs	Variable	LG5	Static	Standard		Short	None
BG149	Piping	Variable	LG5	Static	Standard		Short	None
BG150	Equipment	Variable	LG5	Static	Standard		Short	None
BG151	LL slab	Variable	LG5	Static	Standard		Short	None

3.2. Load cases

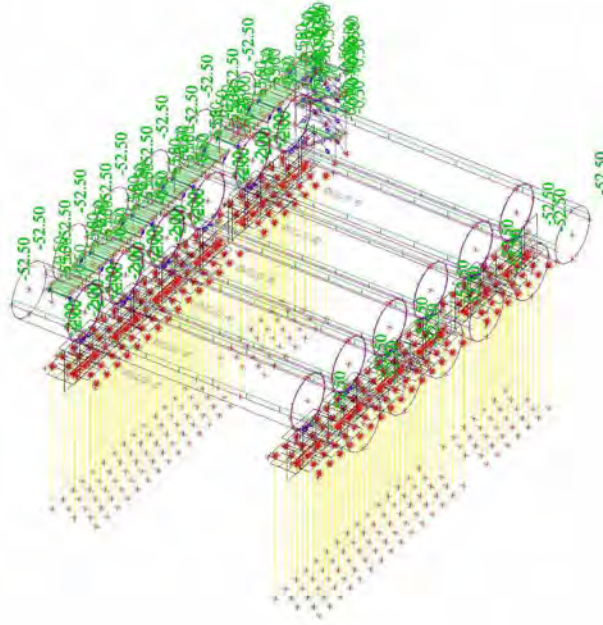
3.2.1. Load cases - BG101

Name	Description	Action type	Load group	Load type	Direction
BG101	Dead load structure	Permanent	LG1	Self weight	-Z



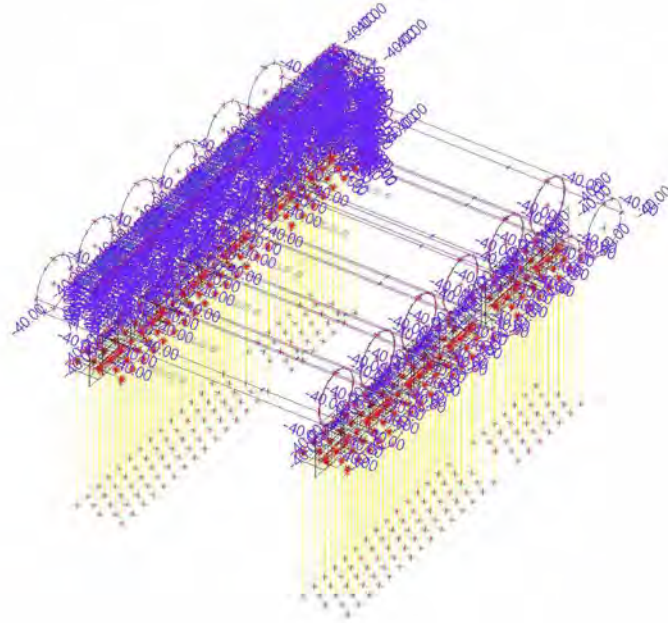
3.2.2. Load cases - BG102

Name	Description	Action type	Load group	Load type
BG102	Permanent	Permanent	LG1	Standard



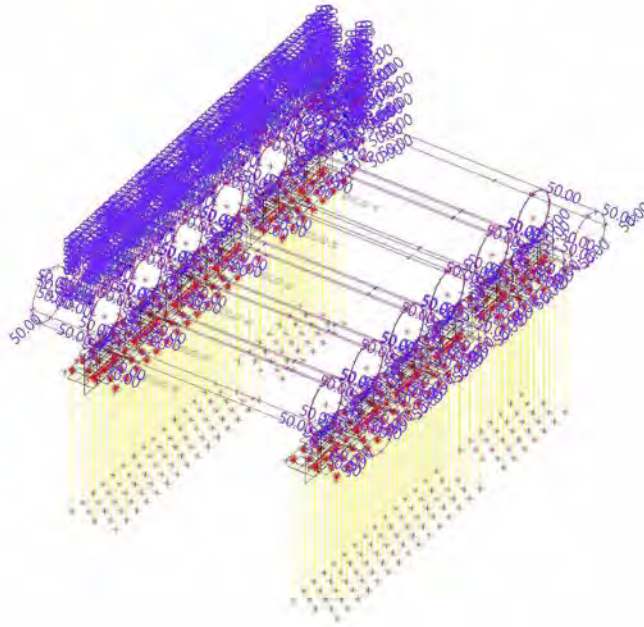
3.2.3. Load cases - BG111

Name	Description	Action type	Load group	Load type	Spec	Duration	Master load case
BG111	Thermal -40°	Variable	LG2	Static	Standard	Short	None



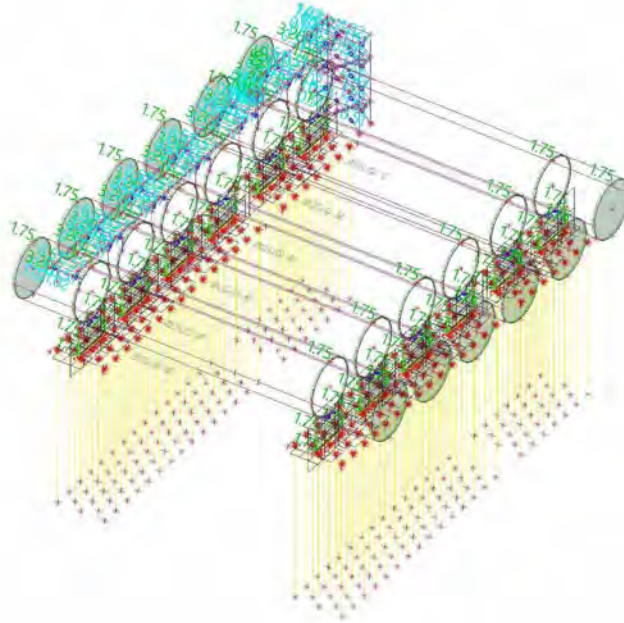
3.2.4. Load cases - BG112

Name	Description	Action type	Load group	Load type	Spec	Duration	Master load case
BG112	Thermal 50°	Variable	LG2	Static	Standard	Short	None



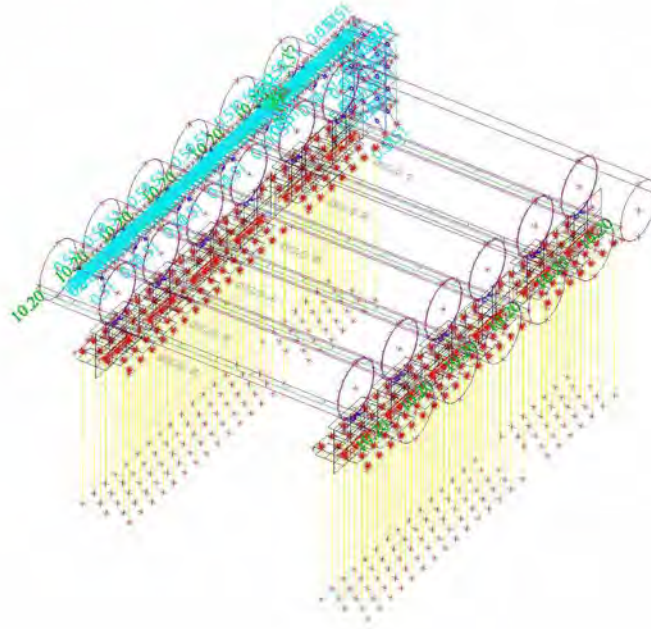
3.2.5. Load cases - BG121

Name	Description	Action type	Load group	Load type	Spec	Duration	Master load case
BG121	Wind x-axis	Variable	LG3	Static	Standard	Short	None



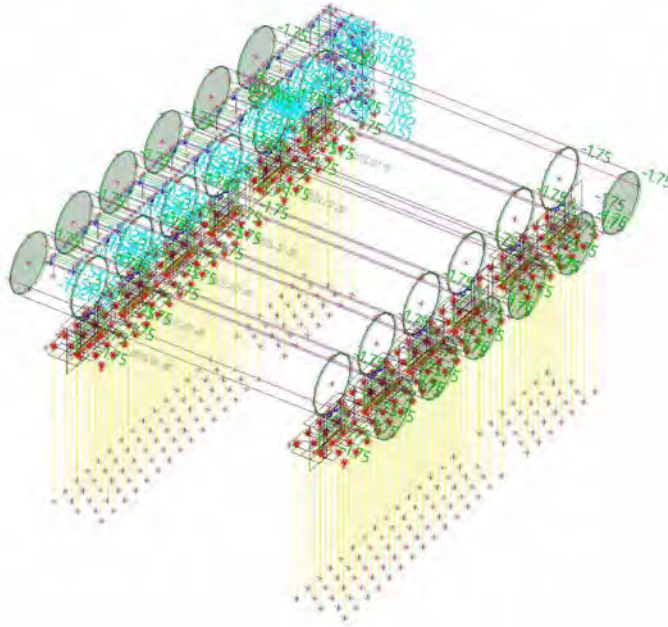
3.2.6. Load cases - BG122

Name	Description	Action type	Load group	Load type	Spec	Duration	Master load case
BG122	Wind y-axis	Variable	LG3	Static	Standard	Short	None



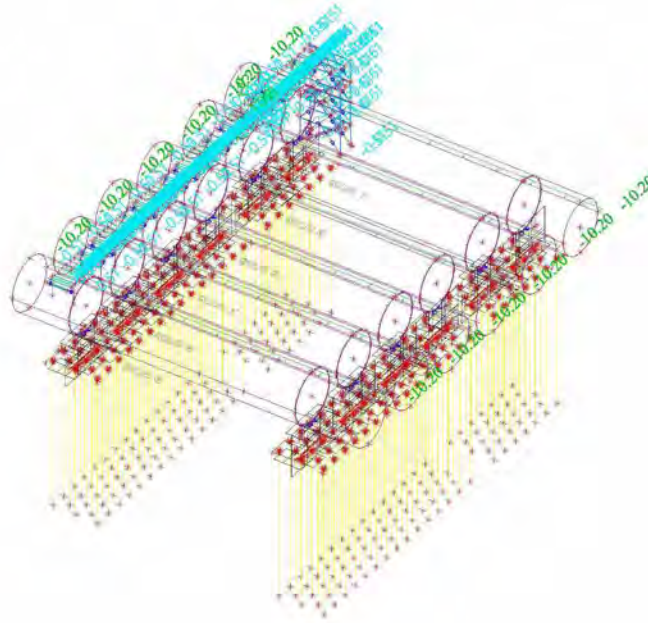
3.2.7. Load cases - BG123

Name	Description	Action type	Load group	Load type	Spec	Duration	Master load case
BG123	Wind -x-axis	Variable	LG3	Static	Standard	Short	None



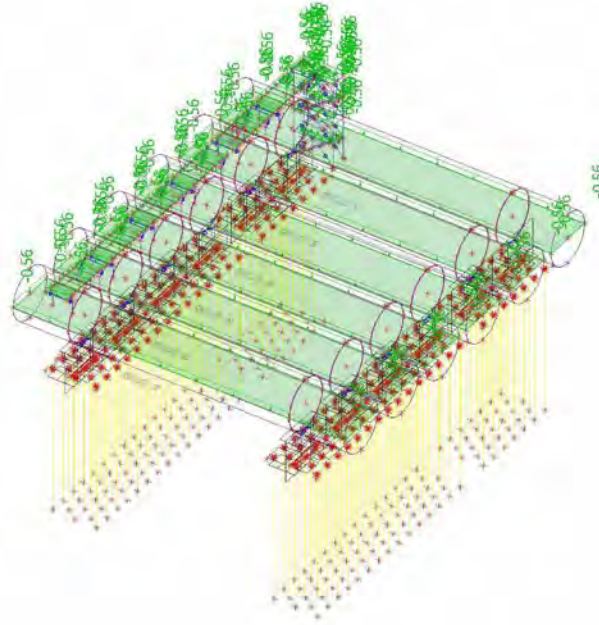
3.2.8. Load cases - BG124

Name	Description	Action type	Load group	Load type	Spec	Duration	Master load case
BG124	Wind -y-axis	Variable	LG3	Static	Standard	Short	None



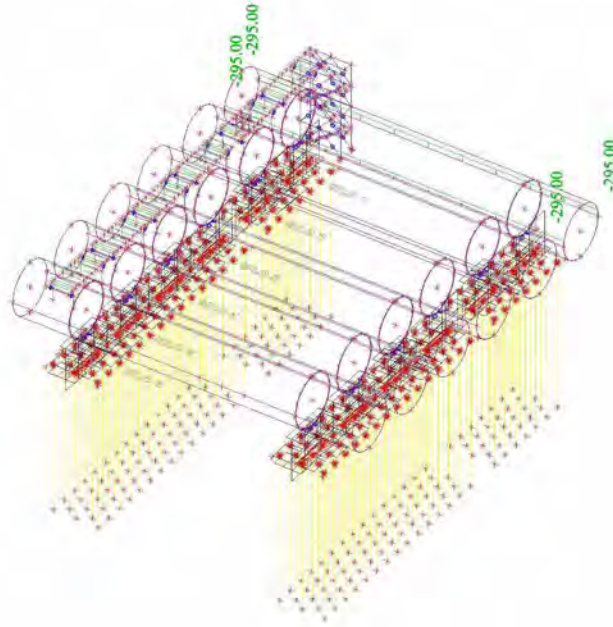
3.2.9. Load cases - BG131

Name	Description	Action type	Load group	Load type	Spec	Duration	Master load case
BG131	Snow	Variable	LG4	Static	Standard	Short	None



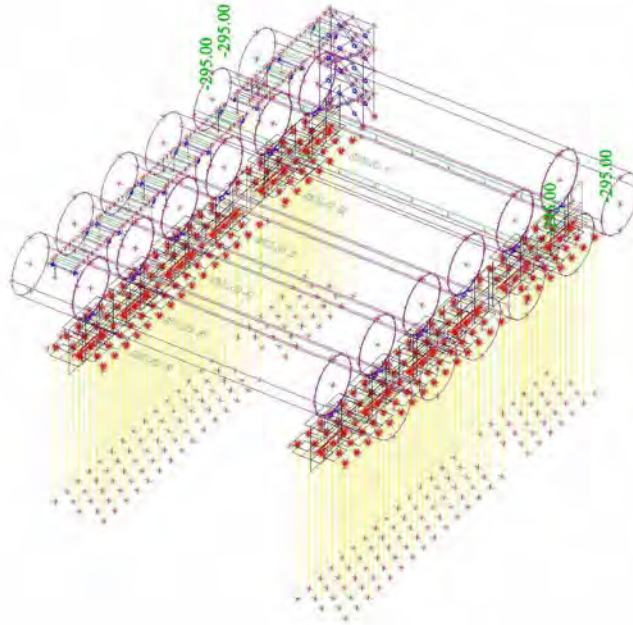
3.2.10. Load cases - BG141

Name	Description	Action type	Load group	Load type	Spec	Duration	Master load case
BG141	Silo 1	Variable	LG5	Static	Standard	Short	None



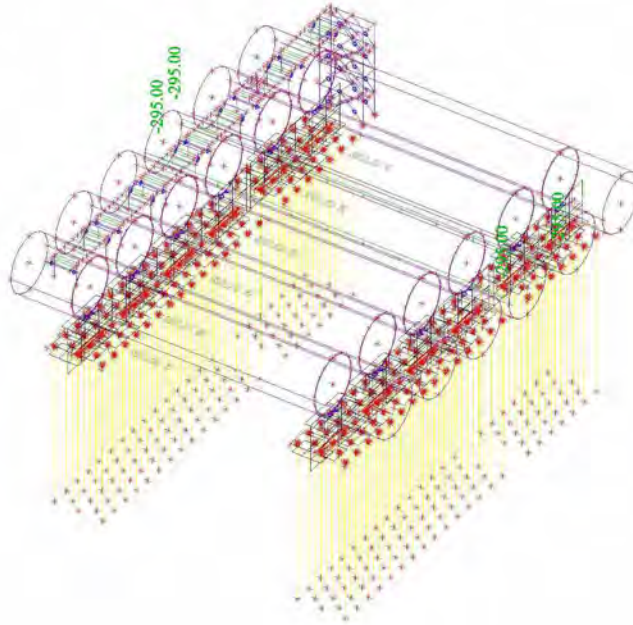
3.2.11. Load cases - BG142

Name	Description	Action type	Load group	Load type	Spec	Duration	Master load case
BG142	Silo 2	Variable	LG5	Static	Standard	Short	None



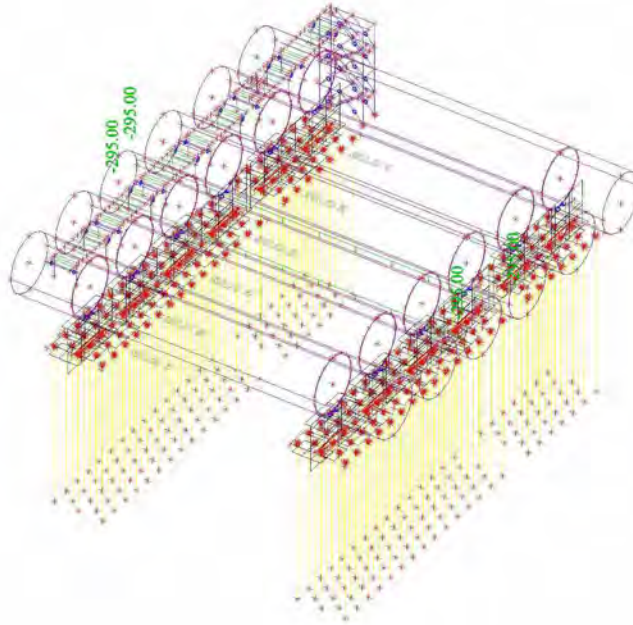
3.2.12. Load cases - BG143

Name	Description	Action type	Load group	Load type	Spec	Duration	Master load case
BG143	Silo 3	Variable	LG5	Static	Standard	Short	None



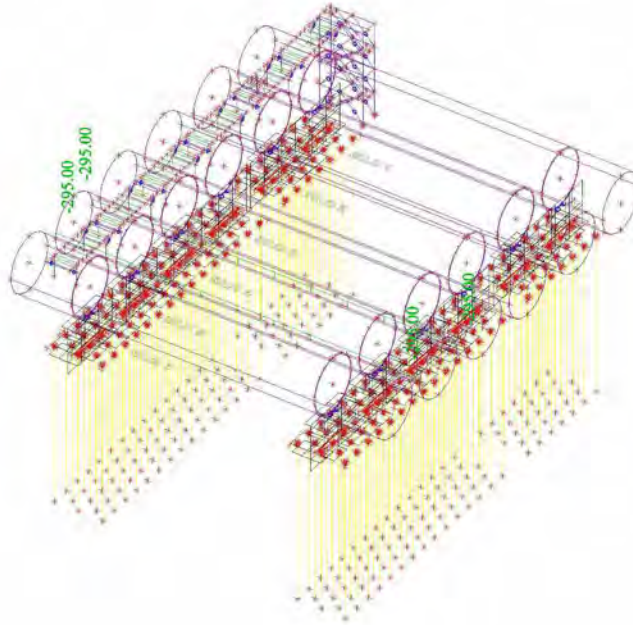
3.2.13. Load cases - BG144

Name	Description	Action type	Load group	Load type	Spec	Duration	Master load case
BG144	Silo 4	Variable	LG5	Static	Standard	Short	None



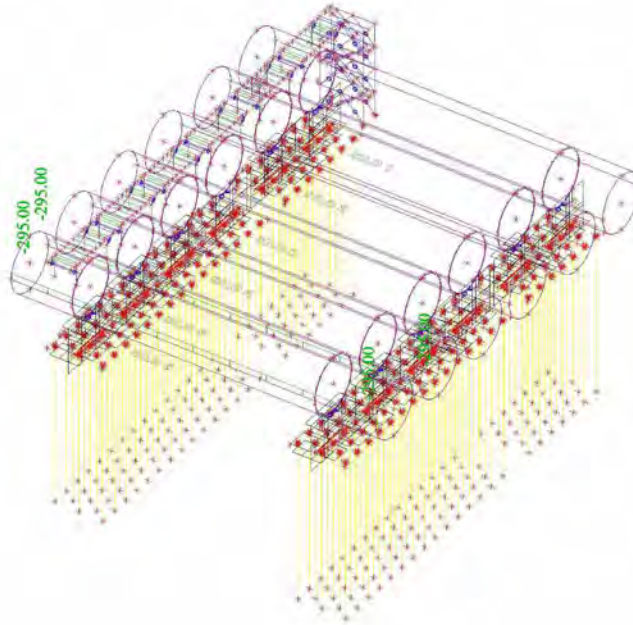
3.2.14. Load cases - BG145

Name	Description	Action type	Load group	Load type	Spec	Duration	Master load case
BG145	Silo 5	Variable	LG5	Static	Standard	Short	None



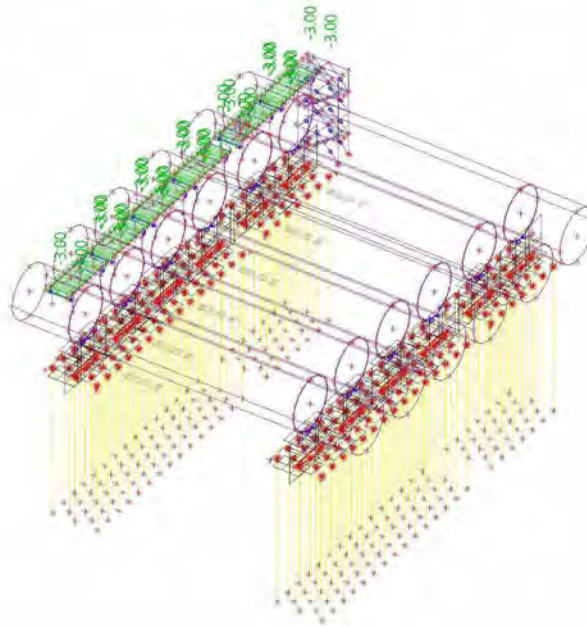
3.2.15. Load cases - BG146

Name	Description	Action type	Load group	Load type	Spec	Duration	Master load case
BG146	Silo 6	Variable	LG5	Static	Standard	Short	None



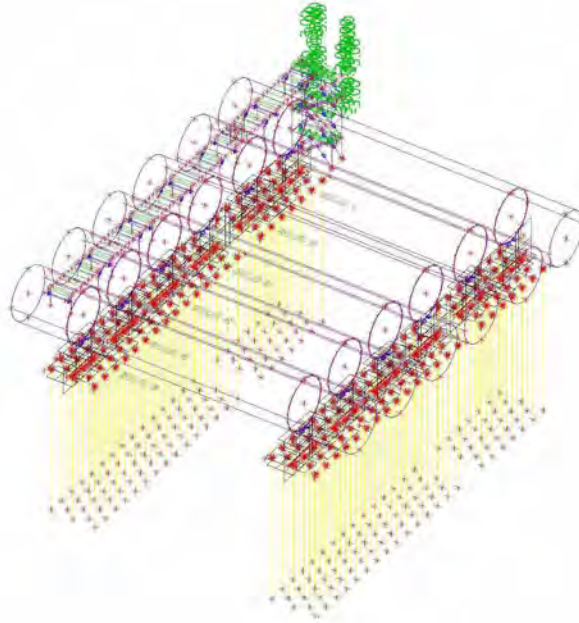
3.2.16. Load cases - BG147

Name	Description	Action type	Load group	Load type	Spec	Duration	Master load case
BG147	LL platform	Variable	LG5	Static	Standard	Short	None



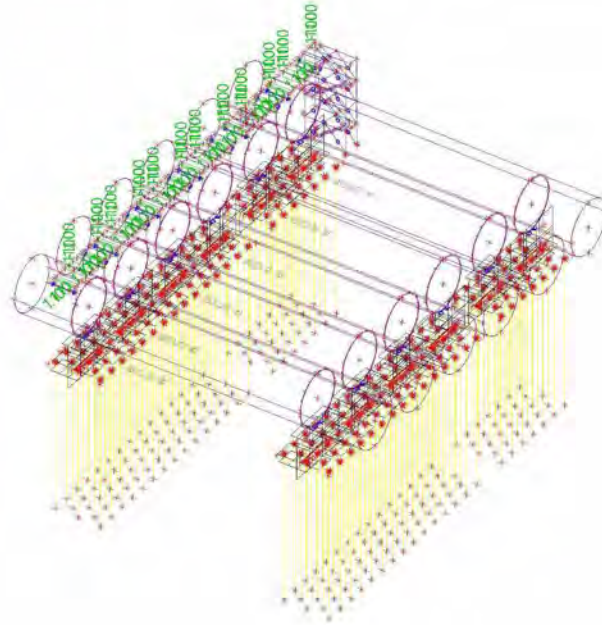
3.2.17. Load cases - BG148

Name	Description	Action type	Load group	Load type	Spec	Duration	Master load case
BG148	LL stairs	Variable	LG5	Static	Standard	Short	None



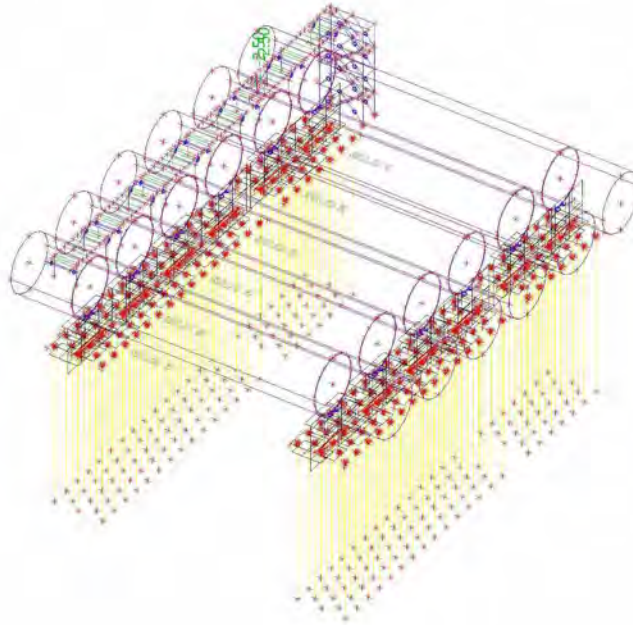
3.2.18. Load cases - BG149

Name	Description	Action type	Load group	Load type	Spec	Duration	Master load case
BG149	Piping	Variable	LG5	Static	Standard	Short	None



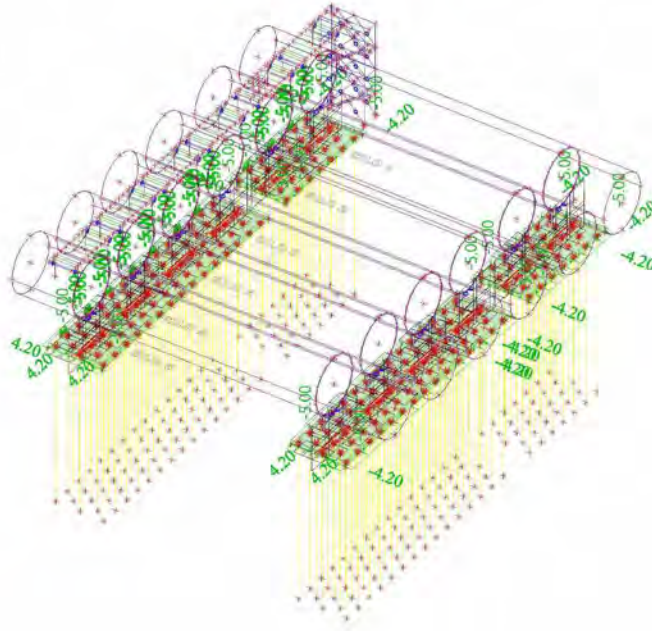
3.2.19. Load cases - BG150

Name	Description	Action type	Load group	Load type	Spec	Duration	Master load case
BG150	Equipment	Variable	LG5	Static	Standard	Short	None



3.2.20. Load cases - BG151

Name	Description	Action type	Load group	Load type	Spec	Duration	Master load case
BG151	LL slab	Variable	LG5	Static	Standard	Short	None



3.3. Load groups

Name	Load	Relation	Type
LG1	Permanent		
LG2	Variable	Exclusive	Temperature
LG3	Variable	Exclusive	Wind
LG4	Variable	Standard	Snow
LG5	Variable	Standard	Cat E : Storage

3.4. Combinations

Name	Type	Load cases	Coeff. [-]
UGT-Set B	EN-ULS (STR/GEO) Set B	BG101 - Dead load structure	1.00
		BG102 - Permanent	1.00
		BG111 - Thermal -40°	1.00
		BG112 - Thermal 50°	1.00
		BG121 - Wind x-axis	1.00
		BG122 - Wind y-axis	1.00
		BG123 - Wind -x-axis	1.00
		BG124 - Wind -y-axis	1.00
		BG131 - Snow	1.00
		BG141 - Silo 1	1.00
		BG142 - Silo 2	1.00
		BG143 - Silo 3	1.00
		BG144 - Silo 4	1.00
		BG145 - Silo 5	1.00
		BG146 - Silo 6	1.00
		BG147 - LL platform	1.00
BGT-kar	EN-SLS Characteristic	BG101 - Dead load structure	1.00
		BG102 - Permanent	1.00
		BG111 - Thermal -40°	1.00
		BG112 - Thermal 50°	1.00
		BG121 - Wind x-axis	1.00
		BG122 - Wind y-axis	1.00
		BG123 - Wind -x-axis	1.00
		BG124 - Wind -y-axis	1.00
		BG131 - Snow	1.00
		BG141 - Silo 1	1.00
		BG142 - Silo 2	1.00
		BG143 - Silo 3	1.00
		BG144 - Silo 4	1.00
		BG145 - Silo 5	1.00
		BG146 - Silo 6	1.00
		BG147 - LL platform	1.00
BGT-quasi	EN-SLS Quasi-permanent	BG101 - Dead load structure	1.00
		BG102 - Permanent	1.00
		BG111 - Thermal -40°	1.00
		BG112 - Thermal 50°	1.00
		BG121 - Wind x-axis	1.00
		BG122 - Wind y-axis	1.00
		BG123 - Wind -x-axis	1.00
		BG124 - Wind -y-axis	1.00
		BG131 - Snow	1.00
		BG141 - Silo 1	1.00
		BG142 - Silo 2	1.00
		BG143 - Silo 3	1.00
		BG144 - Silo 4	1.00
		BG145 - Silo 5	1.00
		BG146 - Silo 6	1.00
		BG147 - LL platform	1.00

Name	Type	Load cases	Coeff. [-]
		BG148 - LL stairs	1.00
		BG149 - Piping	1.00
		BG150 - Equipment	1.00
		BG151 - LL slab	1.00

3.5. Result classes

Name	List
GEO	UGT-Set B - EN-ULS (STR/GEO) Set B
Alle UGT	UGT-Set B - EN-ULS (STR/GEO) Set B
Alle BGT	BGT-kar - EN-SLS Characteristic BGT-quasi - EN-SLS Quasi-permanent
Alle UGT+BGT	UGT-Set B - EN-ULS (STR/GEO) Set B BGT-kar - EN-SLS Characteristic BGT-quasi - EN-SLS Quasi-permanent

4. Calculation protocol

Linear calculation

Number of 2D elements	75467
Number of 1D elements	11604
Number of mesh nodes	85690
Number of equations	514140
Bending theory	Mindlin
Load cases	BG101, BG102, BG111, BG112, BG121, BG122, BG123, BG124, BG131, BG141, BG142, BG143, BG144, BG145, BG146, BG147, BG148, BG149, BG150, BG151
Start of calculation	17.11.2022 07:42
End of calculation	17.11.2022 07:43

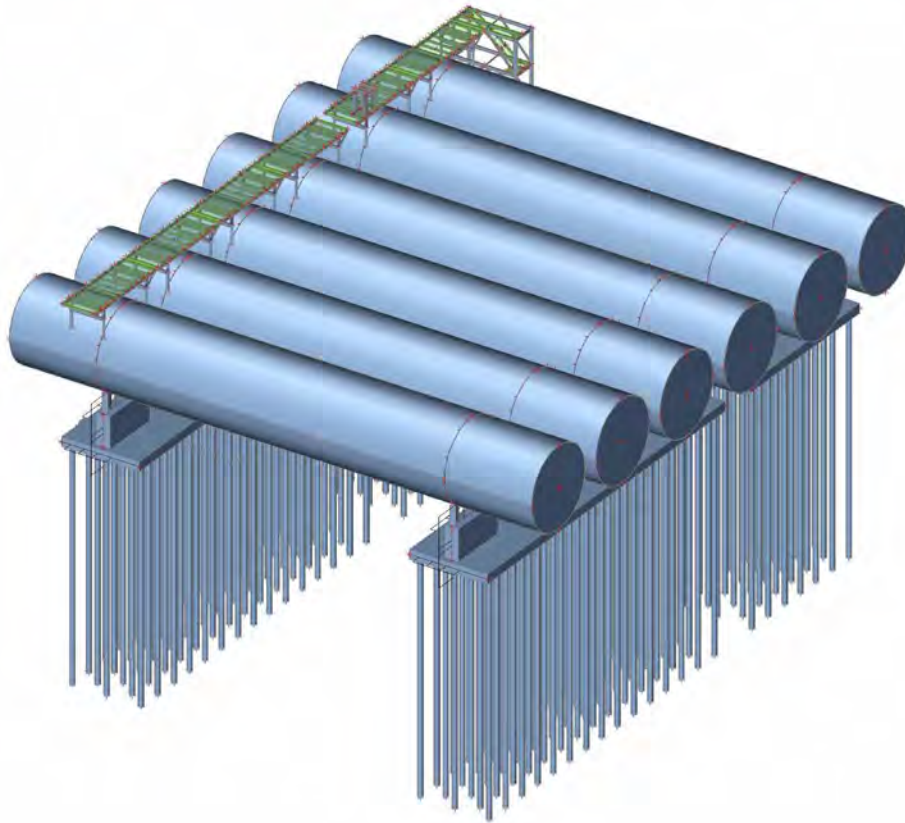
Sum of loads and reactions

Load case	Value	X [kN]	Y [kN]	Z [kN]
BG101	loads	0.00	0.00	-65126.61
	reaction in nodes	0.00	0.00	65126.61
	reaction on lines	0.00	0.00	0.00
	contact 1D	0.00	0.00	0.00
	contact 2D	0.00	0.00	0.00
BG102	loads	0.00	0.00	-36277.13
	reaction in nodes	0.00	0.00	36277.13
	reaction on lines	0.00	0.00	0.00
	contact 1D	0.00	0.00	0.00
	contact 2D	0.00	0.00	0.00
BG111	loads	0.00	0.00	0.00
	reaction in nodes	0.00	0.00	0.00
	reaction on lines	0.00	0.00	0.00
	contact 1D	0.00	0.00	0.00
	contact 2D	0.00	0.00	0.00
BG112	loads	0.00	0.00	0.00
	reaction in nodes	0.00	0.00	0.00
	reaction on lines	0.00	0.00	0.00
	contact 1D	0.00	0.00	0.00
	contact 2D	0.00	0.00	0.00
BG121	loads	2027.27	0.00	0.00
	reaction in nodes	-43.84	0.00	0.00
	reaction on lines	-1983.43	0.00	0.00
	contact 1D	0.00	0.00	0.00
	contact 2D	0.00	0.00	0.00
BG122	loads	0.00	3717.55	0.00
	reaction in nodes	0.00	-67.61	0.00
	reaction on lines	0.00	-3649.93	0.00
	contact 1D	0.00	0.00	0.00
	contact 2D	0.00	0.00	0.00
BG123	loads	-2027.27	0.00	0.00
	reaction in nodes	43.84	0.00	0.00
	reaction on lines	1983.43	0.00	0.00
	contact 1D	0.00	0.00	0.00
	contact 2D	0.00	0.00	0.00
BG124	loads	0.00	-3717.55	0.00
	reaction in nodes	0.00	67.61	0.00
	reaction on lines	0.00	3649.93	0.00
	contact 1D	0.00	0.00	0.00
	contact 2D	0.00	0.00	0.00
BG131	loads	0.00	0.00	-1801.89
	reaction in nodes	0.00	0.00	1801.89
	reaction on lines	0.00	0.00	0.00
	contact 1D	0.00	0.00	0.00
	contact 2D	0.00	0.00	0.00
BG141	loads	0.00	0.00	-33630.00
	reaction in nodes	0.00	0.00	33630.00
	reaction on lines	0.00	0.00	0.00
	contact 1D	0.00	0.00	0.00
	contact 2D	0.00	0.00	0.00

Load case	Value	X [kN]	Y [kN]	Z [kN]
BG142	loads	0.00	0.00	-33630.00
	reaction in nodes	0.00	0.00	33630.00
	reaction on lines	0.00	0.00	0.00
	contact 1D	0.00	0.00	0.00
	contact 2D	0.00	0.00	0.00
BG143	loads	0.00	0.00	-33630.00
	reaction in nodes	0.00	0.00	33630.01
	reaction on lines	0.00	0.00	0.00
	contact 1D	0.00	0.00	0.00
	contact 2D	0.00	0.00	0.00
BG144	loads	0.00	0.00	-33630.00
	reaction in nodes	0.00	0.00	33630.00
	reaction on lines	0.00	0.00	0.00
	contact 1D	0.00	0.00	0.00
	contact 2D	0.00	0.00	0.00
BG145	loads	0.00	0.00	-33630.00
	reaction in nodes	0.00	0.00	33630.00
	reaction on lines	0.00	0.00	0.00
	contact 1D	0.00	0.00	0.00
	contact 2D	0.00	0.00	0.00
BG146	loads	0.00	0.00	-33630.00
	reaction in nodes	0.00	0.00	33630.00
	reaction on lines	0.00	0.00	0.00
	contact 1D	0.00	0.00	0.00
	contact 2D	0.00	0.00	0.00
BG147	loads	0.00	0.00	-630.00
	reaction in nodes	0.00	0.00	630.00
	reaction on lines	0.00	0.00	0.00
	contact 1D	0.00	0.00	0.00
	contact 2D	0.00	0.00	0.00
BG148	loads	0.00	0.00	-96.77
	reaction in nodes	0.00	0.00	96.77
	reaction on lines	0.00	0.00	0.00
	contact 1D	0.00	0.00	0.00
	contact 2D	0.00	0.00	0.00
BG149	loads	0.00	46.20	-462.00
	reaction in nodes	0.00	0.00	462.00
	reaction on lines	0.00	-46.20	0.00
	contact 1D	0.00	0.00	0.00
	contact 2D	0.00	0.00	0.00
BG150	loads	0.00	0.00	-5.00
	reaction in nodes	0.00	0.00	5.00
	reaction on lines	0.00	0.00	0.00
	contact 1D	0.00	0.00	0.00
	contact 2D	0.00	0.00	0.00
BG151	loads	-6.41	0.00	-4857.50
	reaction in nodes	0.00	0.00	4857.50
	reaction on lines	6.41	0.00	0.00
	contact 1D	0.00	0.00	0.00
	contact 2D	0.00	0.00	0.00

Annex D.2.

Export Resultats Scia



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2. Resultaten

2.1. Vervormingen

2.1.1. Knoopverplaatsingen

2.1.1.1. Displacement of nodes

Linear calculation

Class: Alle BGT

Extreme: Global

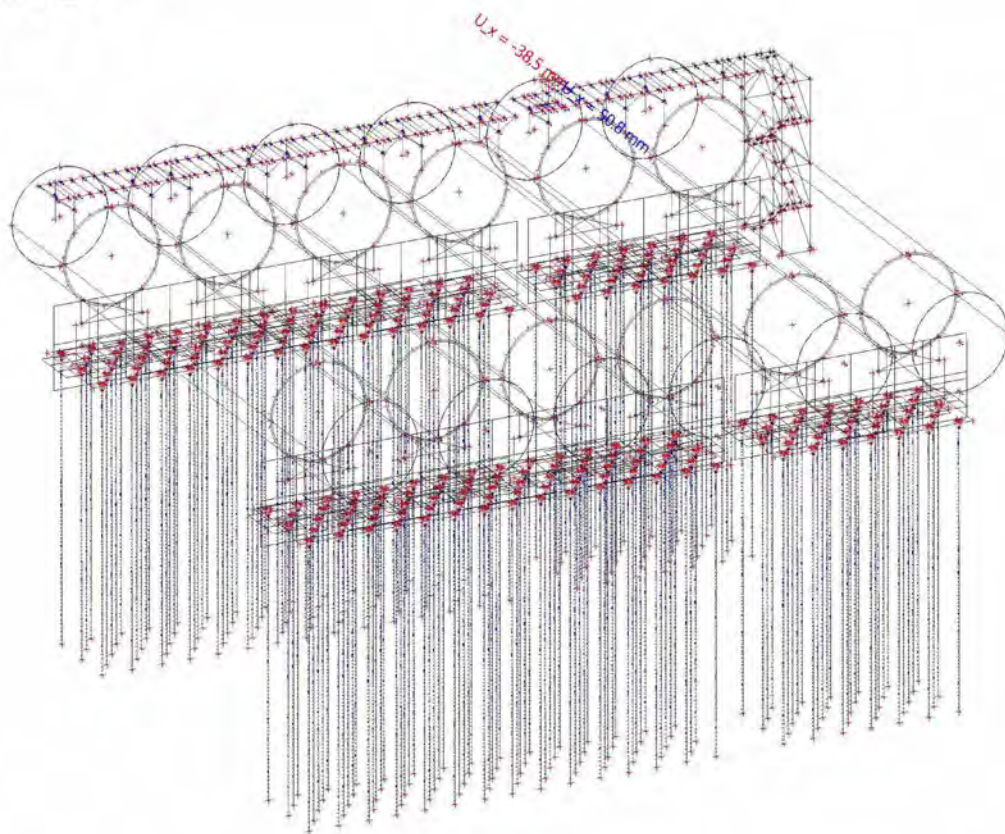
Selection: All

Name	Case	U _x [mm]	U _y [mm]	U _z [mm]	Φ _x [mrad]	Φ _y [mrad]	Φ _z [mrad]	U _{total} [mm]
K482	BGT-kar/1	-38,5	-1,5	-41,0	0,4	-1,9	-1,2	56,3
K529	BGT-kar/2	50,8	-26,8	-172,2	2,7	3,1	-2,1	181,5
N102	BGT-kar/3	-6,5	-163,6	-175,9	-21,9	0,7	-6,5	240,3
N105	BGT-kar/4	-7,0	163,2	-174,8	21,9	0,7	6,5	239,3
K496	BGT-kar/5	7,9	-109,7	-213,9	11,4	1,4	0,0	240,6
K210	BGT-kar/6	-2,0	-0,8	8,5	-0,1	0,0	0,0	8,8
N106	BGT-kar/7	-6,5	-34,6	-122,7	-36,1	1,0	-6,2	127,6
N101	BGT-kar/3	-6,4	34,3	-122,9	36,1	1,0	6,2	127,7
K354	BGT-kar/8	-23,9	31,5	-26,5	-1,2	-7,9	-0,6	47,7
K352	BGT-kar/9	29,6	-51,4	-190,9	-2,5	11,1	-2,4	199,9
K106	BGT-kar/10	1,1	-12,7	-143,8	1,3	1,2	-12,8	144,4
K105	BGT-kar/9	0,6	-38,0	-121,3	3,9	1,2	12,8	127,2
K496	BGT-kar/11	8,0	-112,8	-213,0	11,2	1,3	0,0	241,2

Name	Combination key
BGT-kar/1	BG101 + BG102 + BG123 + BG147 + BG149 + BG150
BGT-kar/2	BG101 + BG102 + BG121 + BG141 + BG142 + BG151
BGT-kar/3	BG101 + BG102 + BG124 + BG142 + BG147 + BG149 + BG150 + BG151
BGT-kar/4	BG101 + BG102 + BG122 + BG141 + BG147 + BG149
BGT-kar/5	BG101 + BG102 + BG124 + BG142 + BG149 + BG151
BGT-kar/6	BG101 + BG102 + BG112
BGT-kar/7	BG101 + BG102 + BG122 + BG141 + BG147 + BG149 + BG151
BGT-kar/8	BG101 + BG102 + BG123 + BG141 + BG147 + BG150 + BG151
BGT-kar/9	BG101 + BG102 + BG121 + BG142 + BG147 + BG149 + BG150
BGT-kar/10	BG101 + BG102 + BG121 + BG141 + BG142 + BG147 + BG149 + BG150 + BG151
BGT-kar/11	BG101 + BG102 + BG124 + BG142 + BG150 + BG151

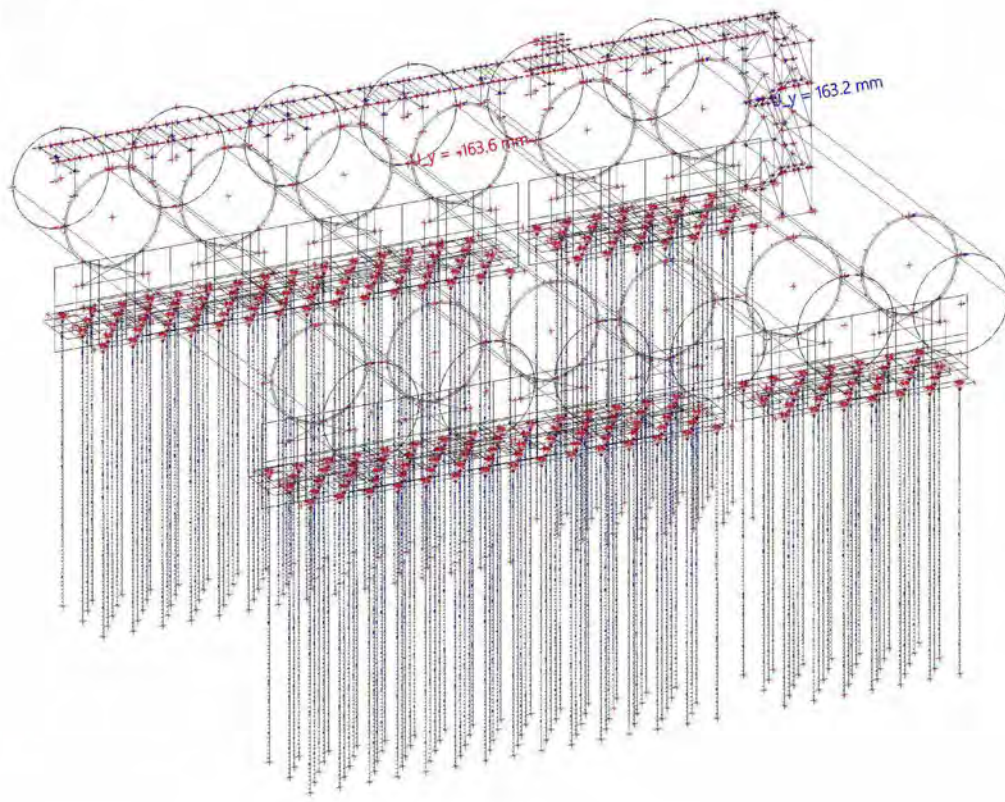
2.1.1.2. Resultaten - U_x

Values: U_x
Linear calculation
Class: Alle BGT
Extreme: Global
Selection: All



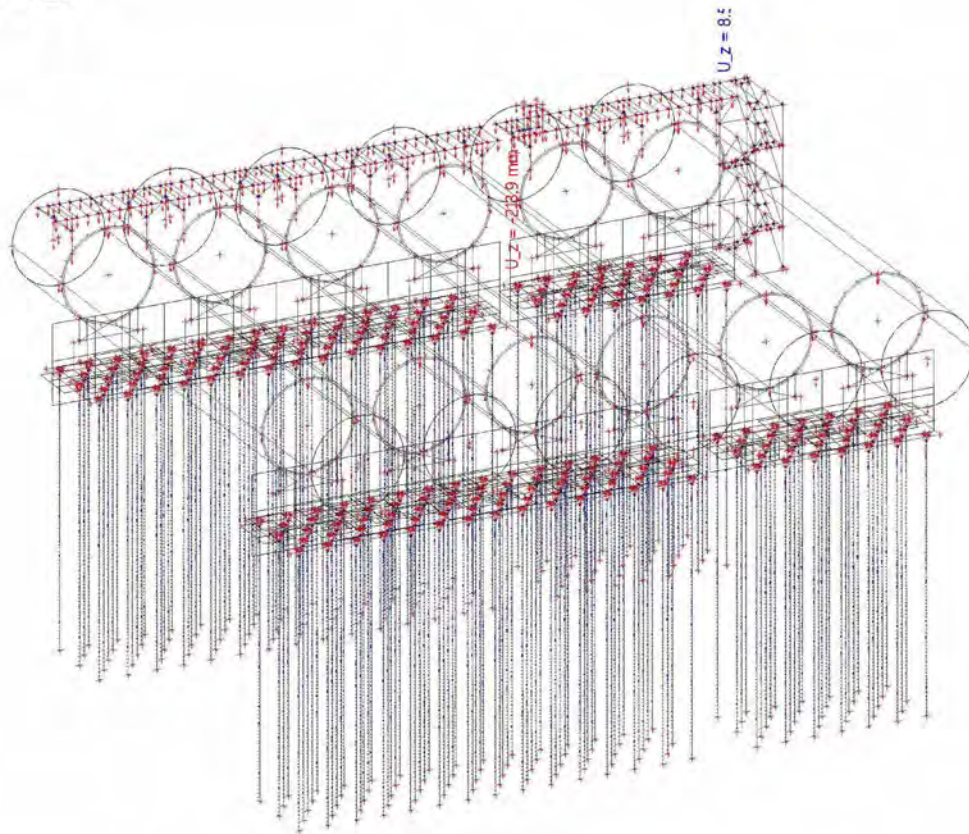
2.1.1.3. Resultaten - U_y

Values: U_y
Linear calculation
Class: Alle BGT
Extreme: Global
Selection: All



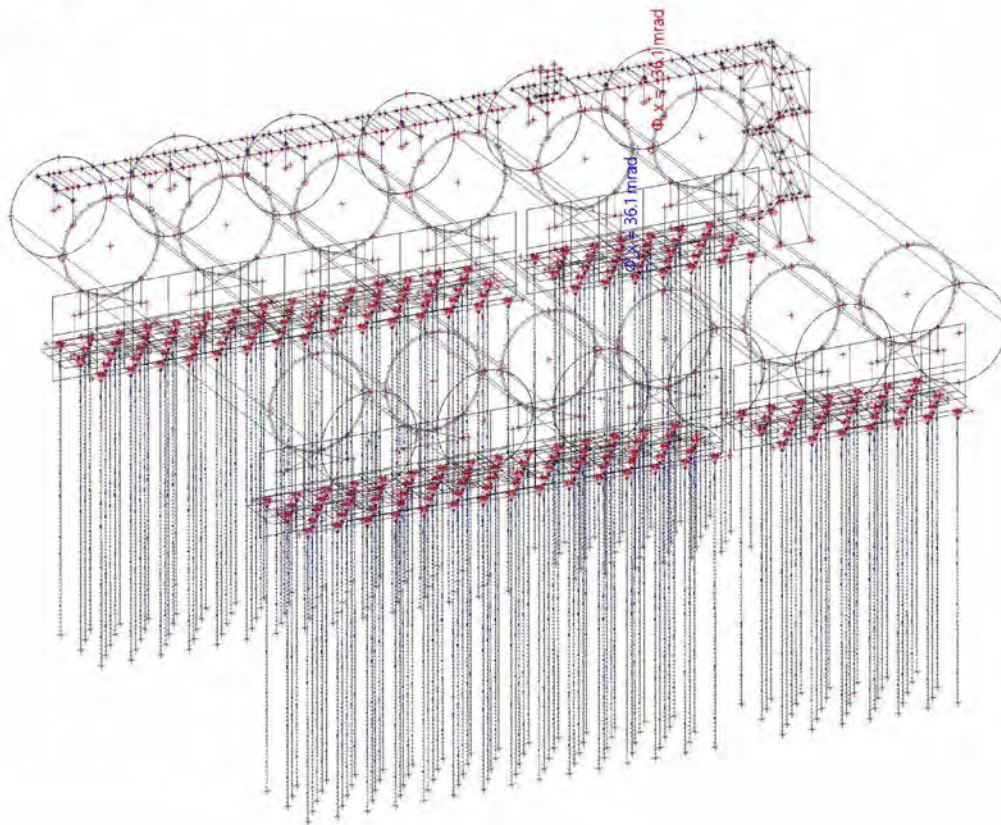
2.1.1.4. Resultaten - U_z

Values: U_z
Linear calculation
Class: Alle BGT
Extreme: Global
Selection: All



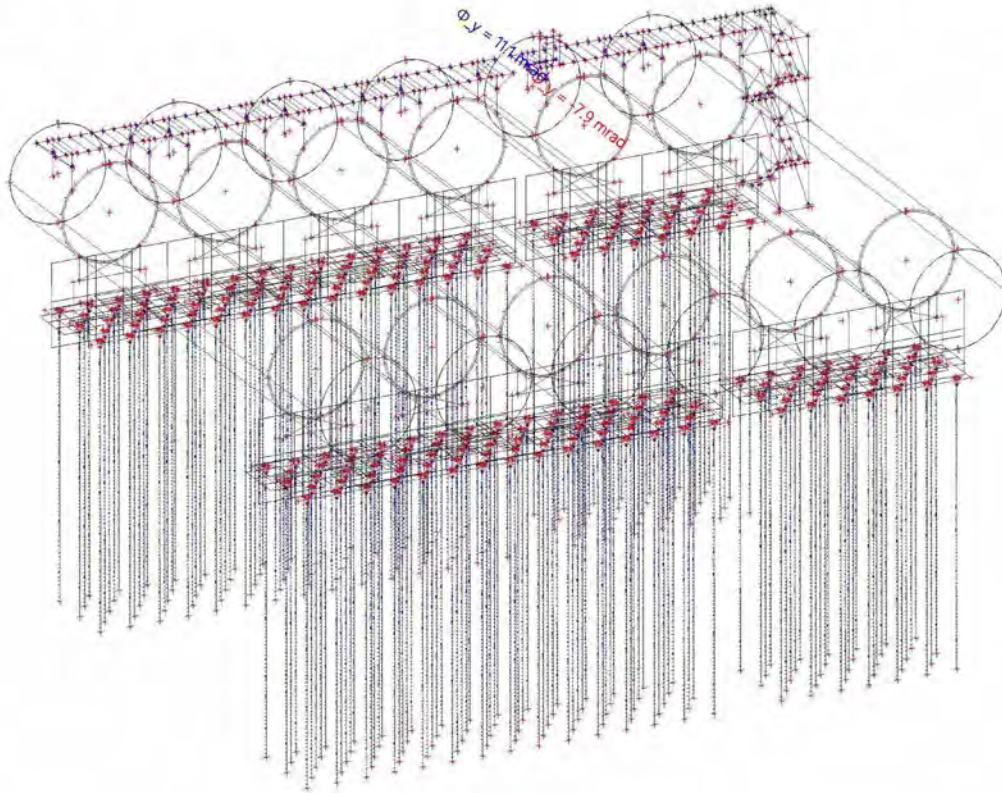
2.1.1.5. Resultaten - Φ_x

Values: Φ_x
Linear calculation
Class: Alle BGT
Extreme: Global
Selection: All



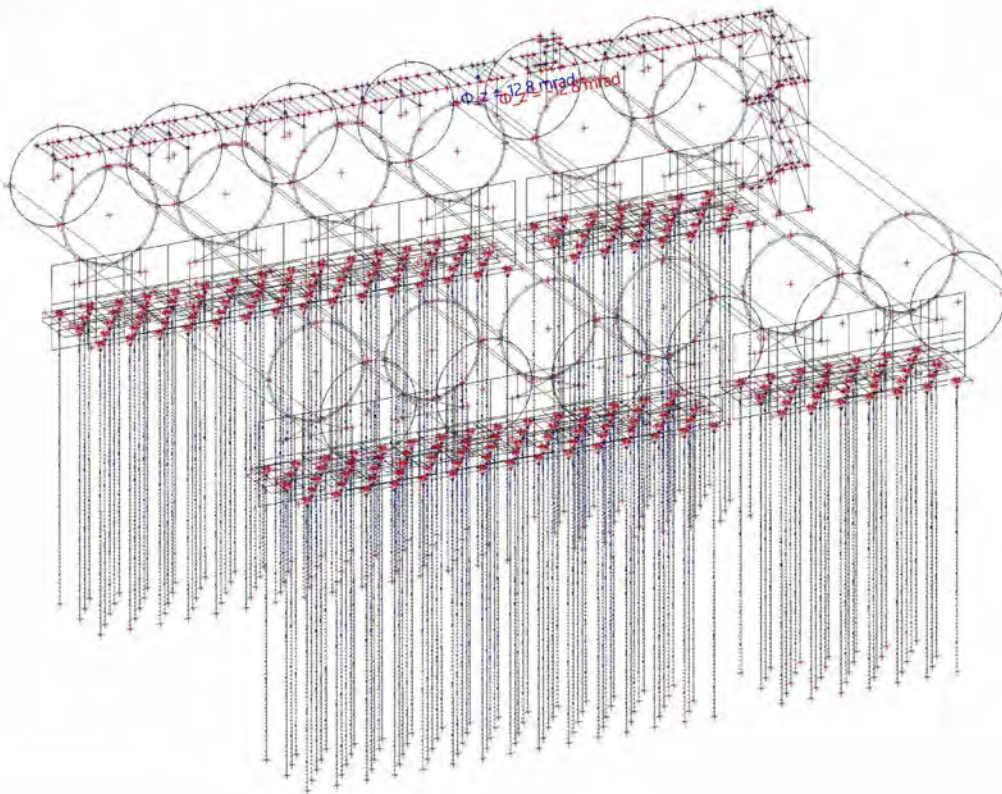
2.1.1.6. Resultaten - Φ_y

Values: Φ_y
Linear calculation
Class: Alle BGT
Extreme: Global
Selection: All



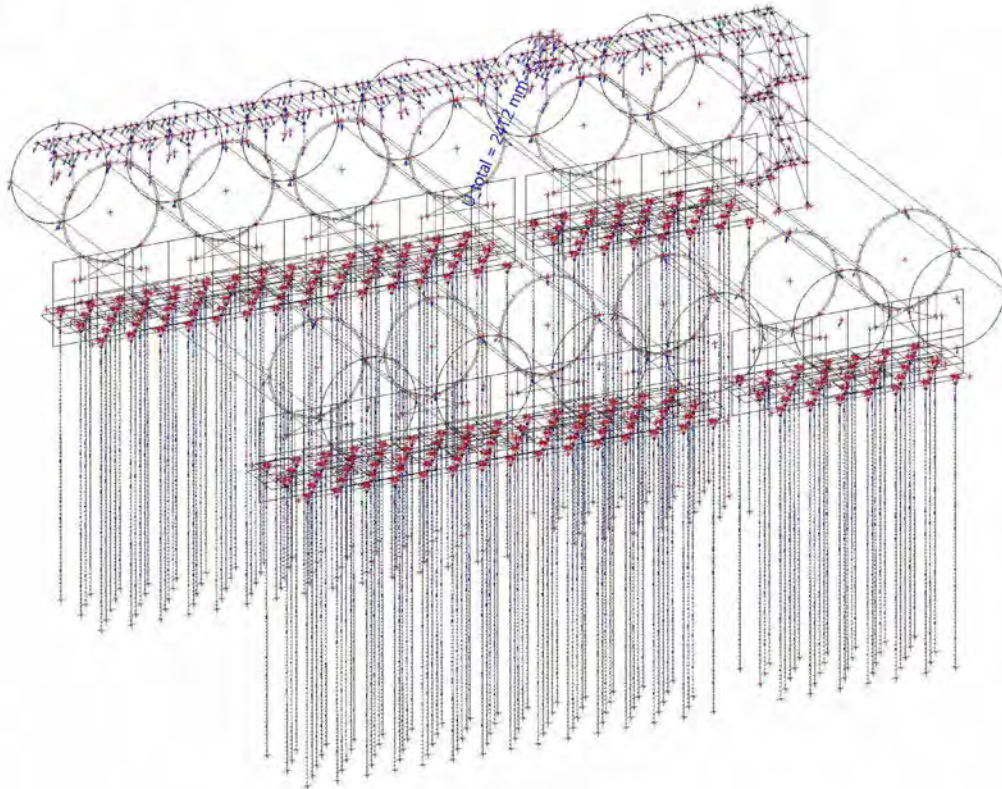
2.1.1.7. Resultaten - Φ_z

Values: Φ_z
Linear calculation
Class: Alle BGT
Extreme: Global
Selection: All



2.1.1.8. Resultaten - U_total

Values: **U_{total}**
 Linear calculation
 Class: Alle BGT
 Extreme: Global
 Selection: All



2.1.2. 3D verplaatsingen

2.1.2.1. 3D displacement

Linear calculation

Class: Alle BGT

Selection: All

Location: In nodes avg. on macro. System: LCS mesh element

Results on 1D member:

Extreme 1D: Global

Name	dx [m]	Fibre	Case	u _x [mm]	u _y [mm]	u _z [mm]	φ _x [mrad]	φ _y [mrad]	φ _z [mrad]	U _{total} [mm]
S418	0.000	1	BGT-kar/1	0.0	0.0	0.0	1.4	0.0	0.0	0.0
S223	3.500	15	BGT-kar/2	8.3	-112.8	-213.6	11.2	3.4	1.7	241.7

Results on 2D member:

Extreme 2D: Global

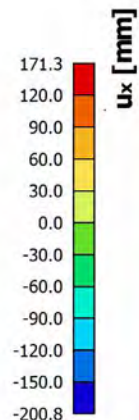
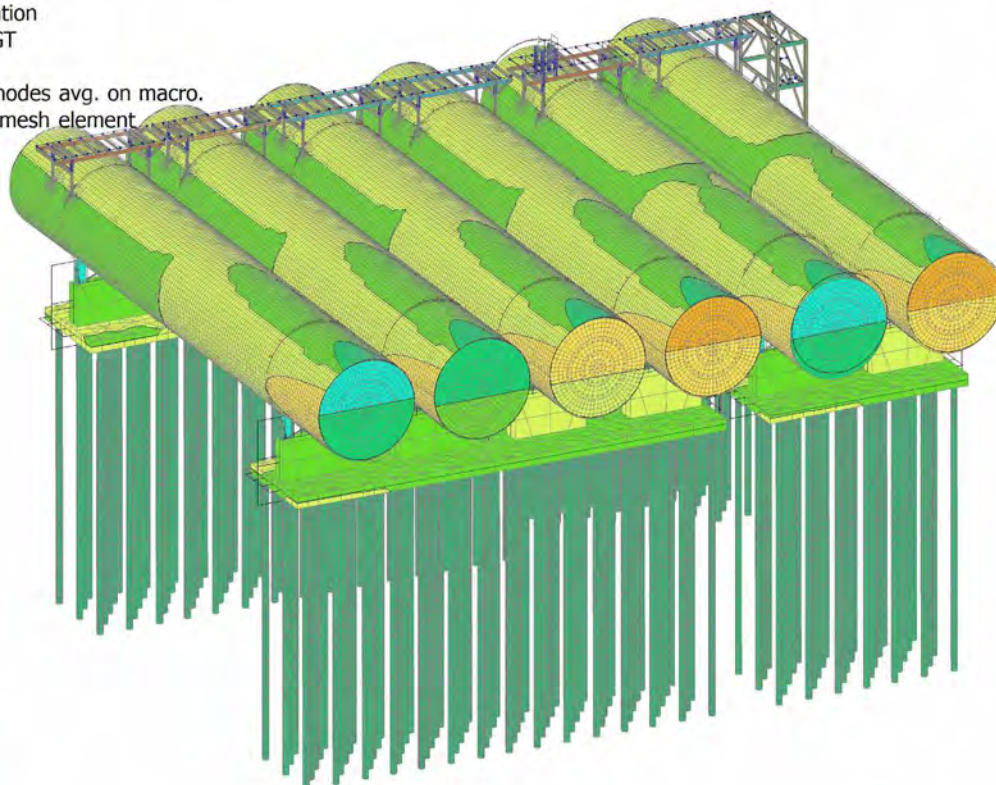
Name	Mesh	Position [m]	Case	ux+ [mm]	uy+ [mm]	uz+ [mm]	φ _x [mrad]	φ _y [mrad]	φ _z [mrad]	U total+ [mm]
				ux- [mm]	uy- [mm]	uz- [mm]				U total- [mm]
E60	Element: 75133 Node: 50885	12.500 43.468 8.133	BGT-kar/3	-171.6	-176.5	-6.4	0.7	-6.7	2.9	246.2
				-171.6	-176.6	-6.7				246.3
E62	Element: 75344 Node: 61627	12.500 62.532 8.133	BGT-kar/4	171.3	-175.5	-7.2	0.7	6.7	-2.9	245.3
				171.3	-175.4	-6.9				245.2
E25	Element: 48664 Node: 48365	30.900 44.052 11.190	BGT-kar/3	0.2	-240.5	4.7	-28.2	-0.1	0.0	240.5
				0.2	-241.2	3.5				241.3
E27	Element: 59519 Node: 59141	30.900 61.948 11.190	BGT-kar/5	0.2	239.9	4.5	28.2	0.0	0.0	239.9
				0.2	240.6	3.3				240.6
E17	Element: 5122 Node: 78161	31.300 4.750 13.250	BGT-kar/6	-9.1	-29.2	-259.0	2.1	0.0	0.0	260.8
				-9.1	-29.1	-259.0				260.8
E26	Element: 54122 Node: 53574	31.300 43.694 7.329	BGT-kar/3	0.4	-102.1	233.4	30.4	0.0	0.0	254.7
				0.4	-102.7	234.8				256.3
E28	Element: 63270 Node: 61635	12.500 61.551 6.067	BGT-kar/7	-1.7	45.4	110.5	-100.9	-2.0	-3.0	119.5
				-1.9	48.7	114.3				124.3
E26	Element: 52424 Node: 50877	12.500 44.449 6.067	BGT-kar/3	-1.7	-45.5	110.9	101.1	-2.0	3.0	119.9
				-1.9	-48.8	114.7				124.7
E26	Element: 55872 Node: 55219	50.810 44.973 5.552	BGT-kar/8	0.4	-39.2	46.8	35.6	-30.5	-2.8	61.0
				-0.7	-40.5	47.9				62.8
E26	Element: 51460 Node: 50965	12.190 50.527 5.552	BGT-kar/9	-0.2	55.6	14.4	-30.9	31.0	-2.8	57.4
				0.9	56.8	15.4				58.8
E62	Element: 75353 Node: 72958	12.500 61.481 6.217	BGT-kar/7	69.4	-104.7	-1.8	-0.7	3.4	-103.0	125.6
				69.4	-99.5	-1.6				121.4
E60	Element: 75124 Node: 72678	12.500 44.519 6.217	BGT-kar/3	-69.7	-99.8	-1.6	-0.7	-3.5	103.2	121.7
				-69.7	-105.0	-1.8				126.0

Name	Mesh	Position [m]	Case	ux+ [mm] ux- [mm]	uy+ [mm] uy- [mm]	uz+ [mm] uz- [mm]	φx [mrad]	φy [mrad]	φz [mrad]	U total+ [mm] U total- [mm]
E20	Element: 21474 Node: 21196	31.300 16.440 4.716	BGT-kar/10	0.3 0.3	1.1 3.0	-0.5 0.1	-39.0	0.1	0.0	1.3 3.0
E26	Element: 54088 Node: 53538	30.900 43.418 8.499	BGT-kar/3	0.2 0.2	-165.6 -165.5	211.2 210.9	-6.2	0.0	0.0	268.3 268.1
E26	Element: 53781 Node: 53222	26.900 46.951 4.624	BGT-kar/11	1.2 1.3	2.1 0.8	0.1 0.3	27.3	2.2	0.5	2.4 1.5
E26	Element: 54120 Node: 53572	31.300 43.474 8.101	BGT-kar/3	0.4 0.4	-145.3 -145.3	225.4 225.7	5.4	0.0	0.0	268.2 268.4

Name	Combination key
BGT-kar/1	BG101 + BG102
BGT-kar/2	BG101 + BG102 + BG124 + BG142 + BG150 + BG151
BGT-kar/3	BG101 + BG102 + BG124 + BG142 + BG147 + BG149 + BG150 + BG151
BGT-kar/4	BG101 + BG102 + BG122 + BG141 + BG147 + BG149
BGT-kar/5	BG101 + BG102 + BG122 + BG141 + BG147 + BG149 + BG151
BGT-kar/6	BG101 + BG102 + BG111 + BG145 + BG146 + BG147 + BG149 + BG151
BGT-kar/7	BG101 + BG102 + BG122 + BG141 + BG147 + BG149 + BG150 + BG151
BGT-kar/8	BG101 + BG102 + BG124 + BG141 + BG142 + BG150
BGT-kar/9	BG101 + BG102 + BG122 + BG142 + BG147 + BG149 + BG150 + BG151
BGT-kar/10	BG101 + BG102 + BG124 + BG144 + BG145 + BG146 + BG147 + BG151
BGT-kar/11	BG101 + BG102 + BG122 + BG141 + BG142 + BG147 + BG149 + BG150 + BG151

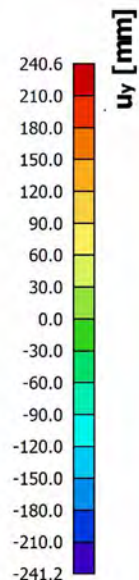
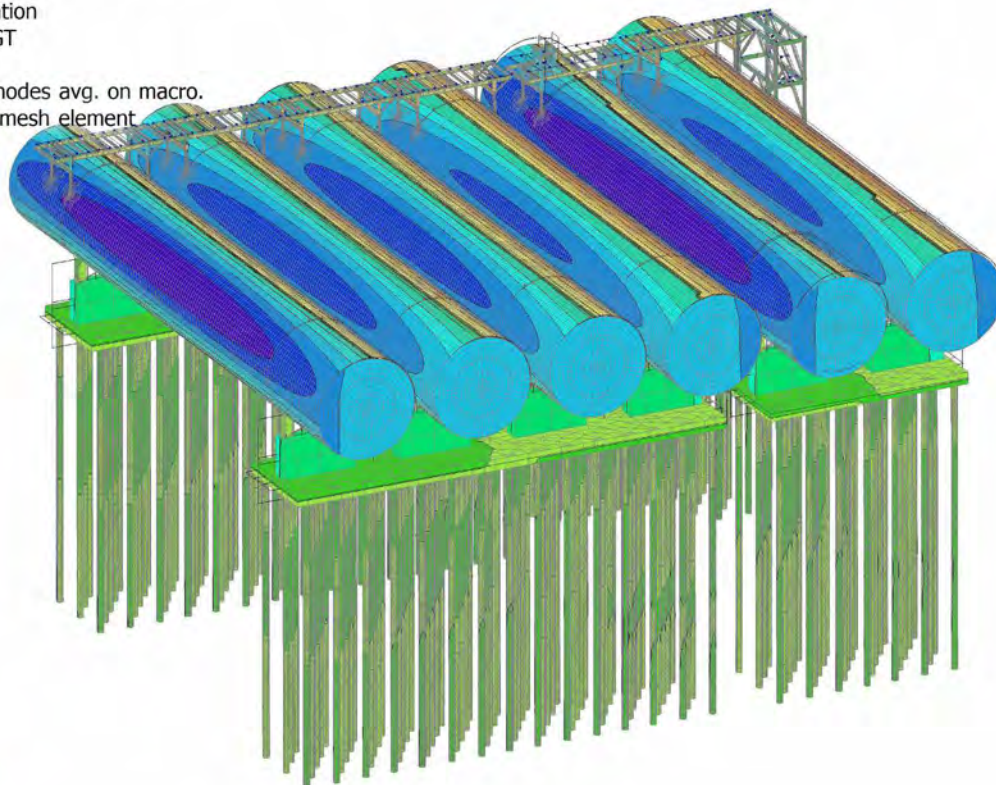
2.1.2.2. Resultaten - u_x

Values: u_x
Linear calculation
Class: Alle BGT
Selection: All
Location: In nodes avg. on macro.
System: LCS mesh element



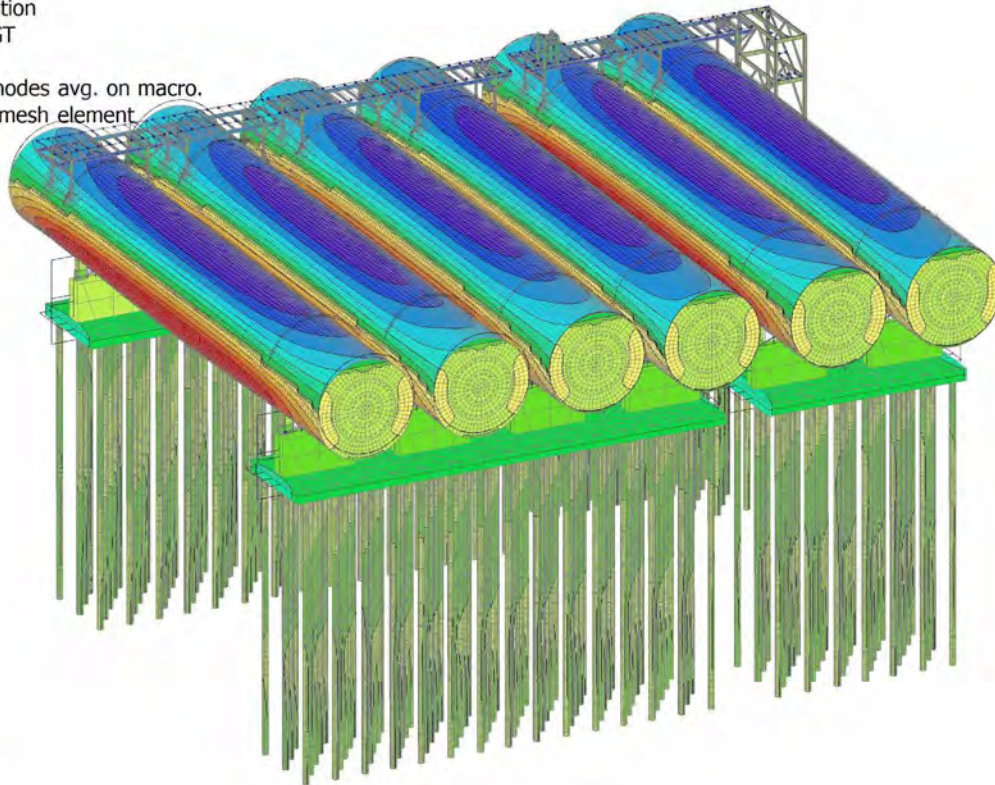
2.1.2.3. Resultaten - u_y

Values: u_y
Linear calculation
Class: Alle BGT
Selection: All
Location: In nodes avg. on macro.
System: LCS mesh element



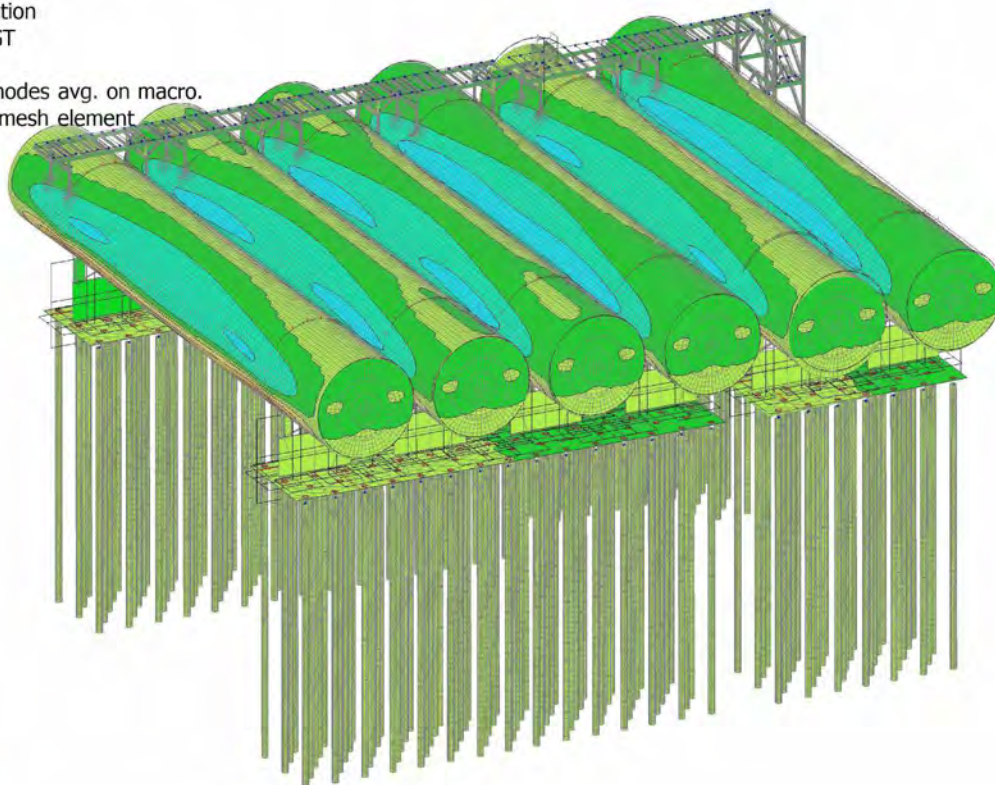
2.1.2.4. Resultaten - u_z

Values: u_z
Linear calculation
Class: Alle BGT
Selection: All
Location: In nodes avg. on macro.
System: LCS mesh element



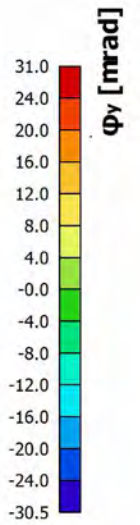
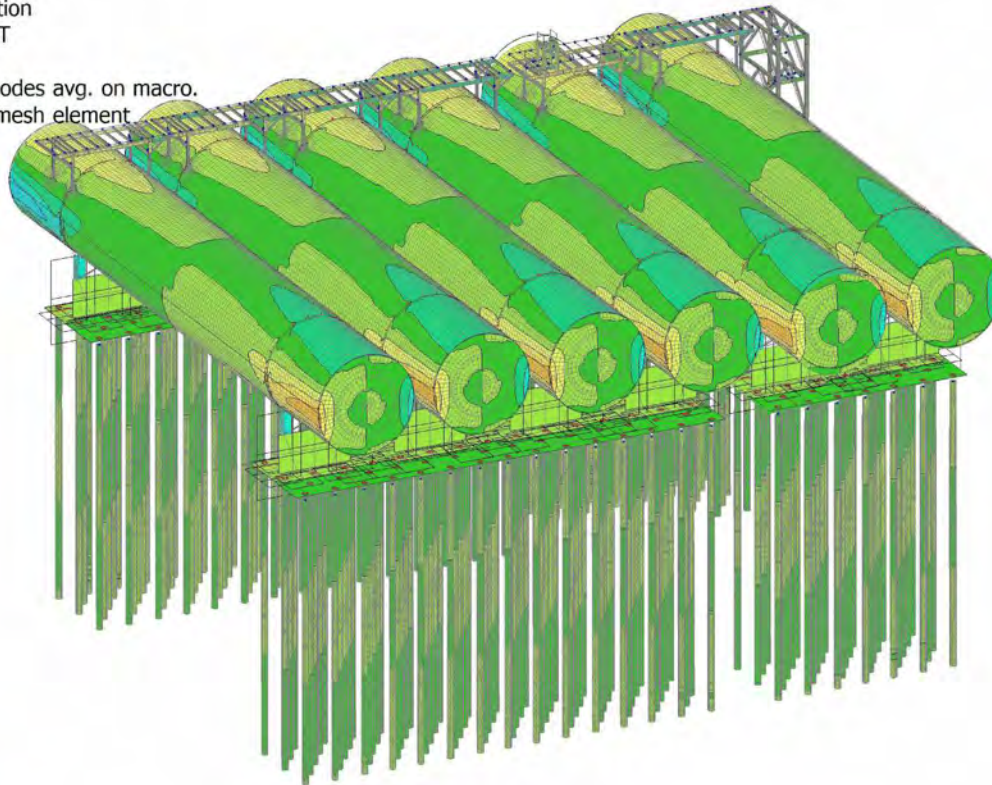
2.1.2.5. Resultaten - φ_x

Values: φ_x
Linear calculation
Class: Alle BGT
Selection: All
Location: In nodes avg. on macro.
System: LCS mesh element



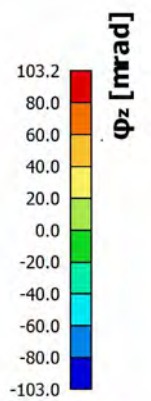
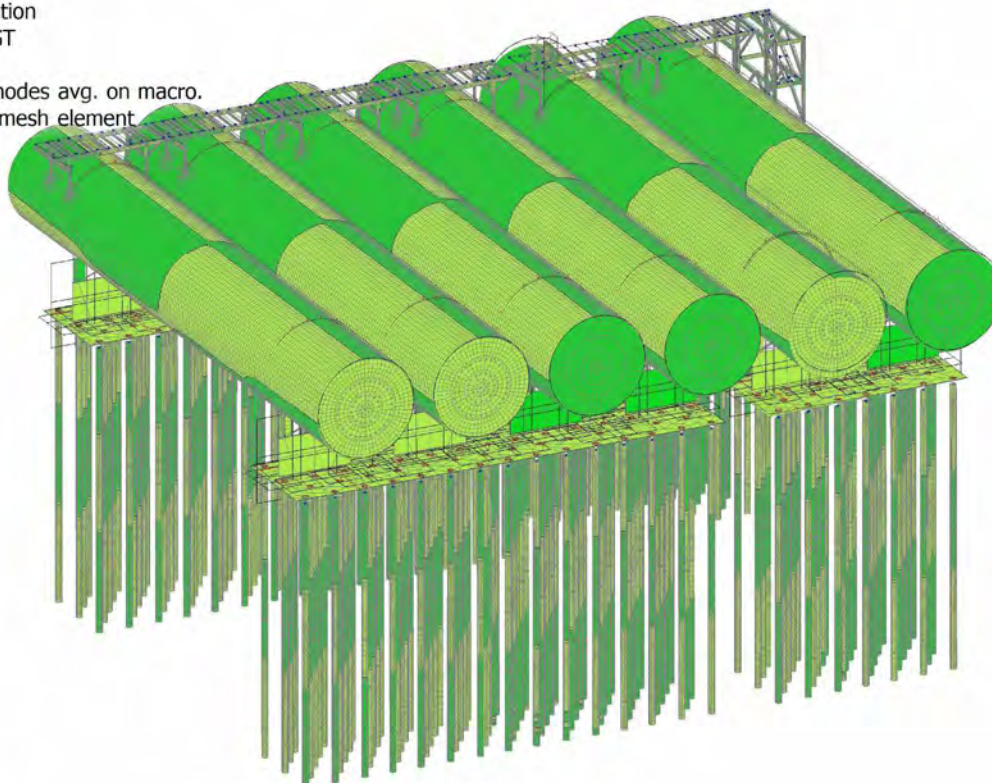
2.1.2.6. Resultaten - φ_y

Values: φ_y
Linear calculation
Class: Alle BGT
Selection: All
Location: In nodes avg. on macro.
System: LCS mesh element



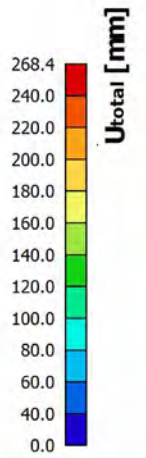
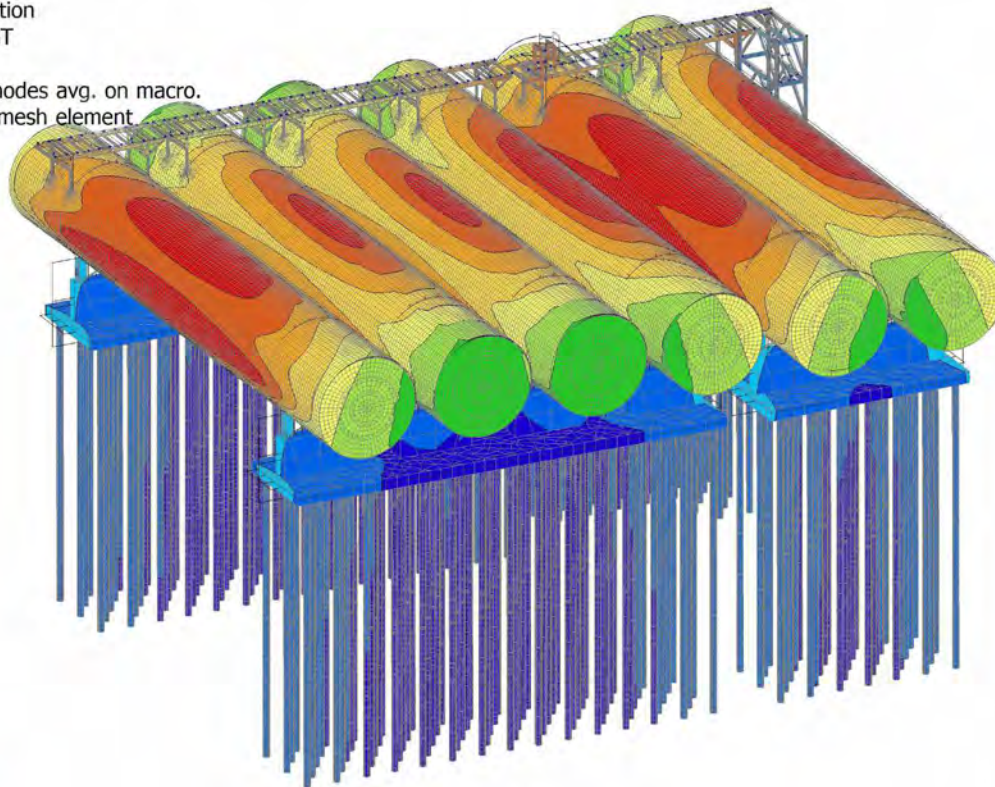
2.1.2.7. Resultaten - φ_z

Values: φ_z
Linear calculation
Class: Alle BGT
Selection: All
Location: In nodes avg. on macro.
System: LCS mesh element



2.1.2.8. Resultaten - U_{total}

Values: **U_{total}**
 Linear calculation
 Class: Alle BGT
 Selection: All
 Location: In nodes avg. on macro.
 System: LCS mesh element



2.1.3. 1D-vervormingen Algemeen

2.1.3.1. 1D deformations

Linear calculation

Class: Alle BGT

Coordinate system: Global

Extreme 1D: Global

Selection: All

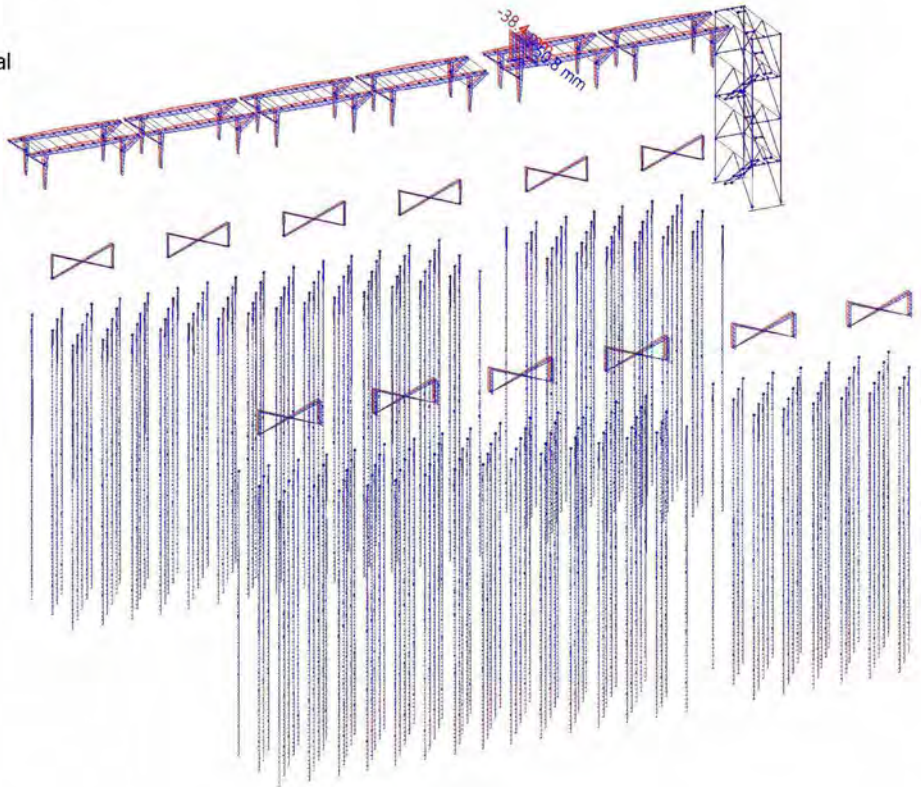
Deformations

Name	dx [m]	Case	u _x [mm]	u _y [mm]	u _z [mm]	φ _x [mrad]	φ _y [mrad]	φ _z [mrad]	U _{total} [mm]
S228	5.500-	BGT-kar/1	-38.4	-1.1	-43.2	-0.2	-1.4	0.5	57.8
S244	2.530	BGT-kar/2	50.8	-26.8	-172.2	2.7	3.1	-2.1	181.5
S244	2.530	BGT-kar/3	13.8	-139.2	-182.1	9.6	2.3	1.5	229.7
S244	2.530	BGT-kar/4	-0.1	117.5	-28.3	-9.8	-0.7	-3.3	120.8
S536	1.881	BGT-kar/5	7.9	-109.2	-214.3	0.0	0.0	0.0	240.7
S28	14.800	BGT-kar/6	-2.0	-0.8	8.5	-0.1	0.0	0.0	8.8
S112	0.000	BGT-kar/7	0.2	66.1	-153.7	-23.2	2.4	-2.4	167.3
S107	0.000	BGT-kar/3	0.4	-66.8	-153.0	23.7	2.4	2.4	167.0
S71	0.000	BGT-kar/8	0.0	-0.3	-0.8	-0.2	-8.7	-0.1	0.8
S108	2.082	BGT-kar/9	29.6	-51.4	-190.9	-2.5	11.1	-2.4	199.9
S228	2.500+	BGT-kar/10	-26.0	39.0	-41.6	-1.8	-0.6	-6.5	62.7
S249	0.600-	BGT-kar/11	-19.5	-69.3	-186.2	3.5	1.2	7.1	199.6
S536	1.881	BGT-kar/12	8.0	-112.3	-213.4	0.0	0.0	0.0	241.3

Name	Combination key
BGT-kar/1	BG101 + BG102 + BG123 + BG147 + BG149 + BG150
BGT-kar/2	BG101 + BG102 + BG121 + BG141 + BG142 + BG151
BGT-kar/3	BG101 + BG102 + BG124 + BG142 + BG151
BGT-kar/4	BG101 + BG102 + BG122 + BG141 + BG147 + BG149 + BG150
BGT-kar/5	BG101 + BG102 + BG124 + BG142 + BG149 + BG151
BGT-kar/6	BG101 + BG102 + BG112
BGT-kar/7	BG101 + BG102 + BG122 + BG141 + BG149 + BG151
BGT-kar/8	BG101 + BG102 + BG131 + BG148
BGT-kar/9	BG101 + BG102 + BG121 + BG142 + BG147 + BG149 + BG150
BGT-kar/10	BG101 + BG102 + BG123 + BG141 + BG149 + BG151
BGT-kar/11	BG101 + BG102 + BG123 + BG142 + BG147 + BG150
BGT-kar/12	BG101 + BG102 + BG124 + BG142 + BG150 + BG151

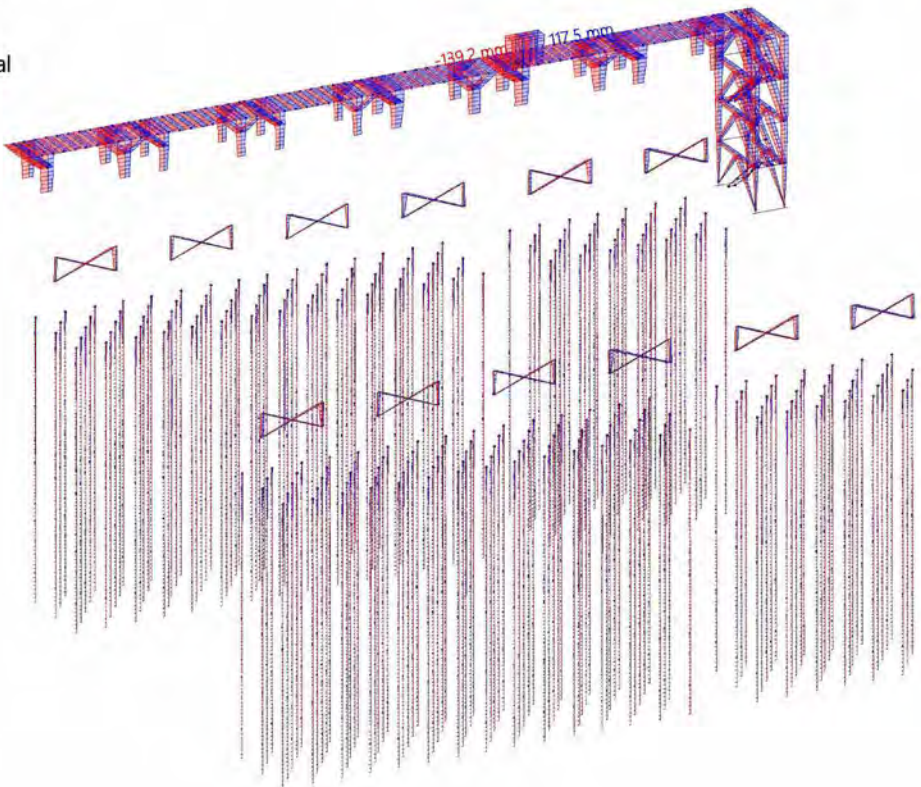
2.1.3.2. Resultaten - u_x

Values: u_x
Linear calculation
Class: Alle BGT
Coordinate system: Global
Extreme 1D: Global
Selection: All



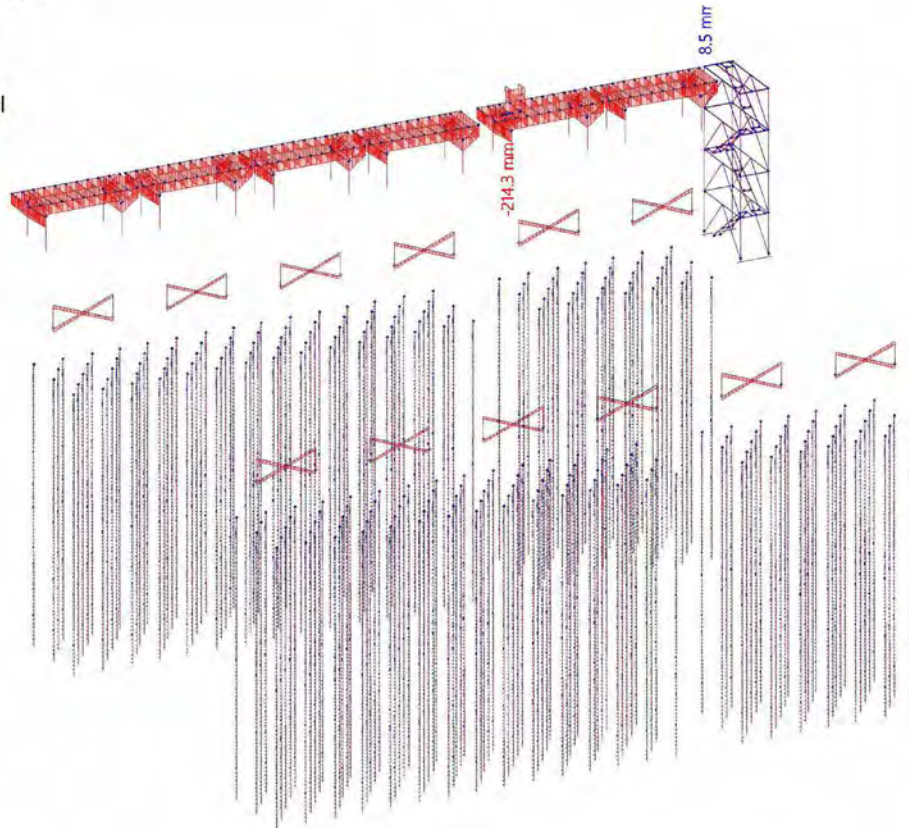
2.1.3.3. Resultaten - u_y

Values: u_y
Linear calculation
Class: Alle BGT
Coordinate system: Global
Extreme 1D: Global
Selection: All



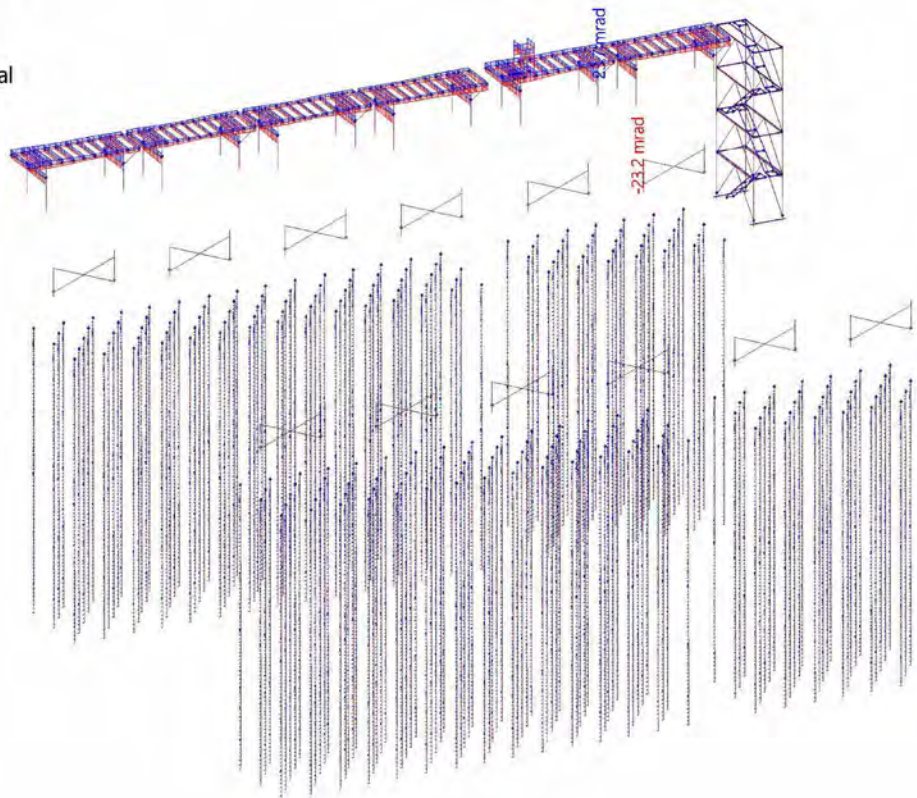
2.1.3.4. Resultaten - u_z

Values: u_z
Linear calculation
Class: Alle BGT
Coordinate system: Global
Extreme 1D: Global
Selection: All



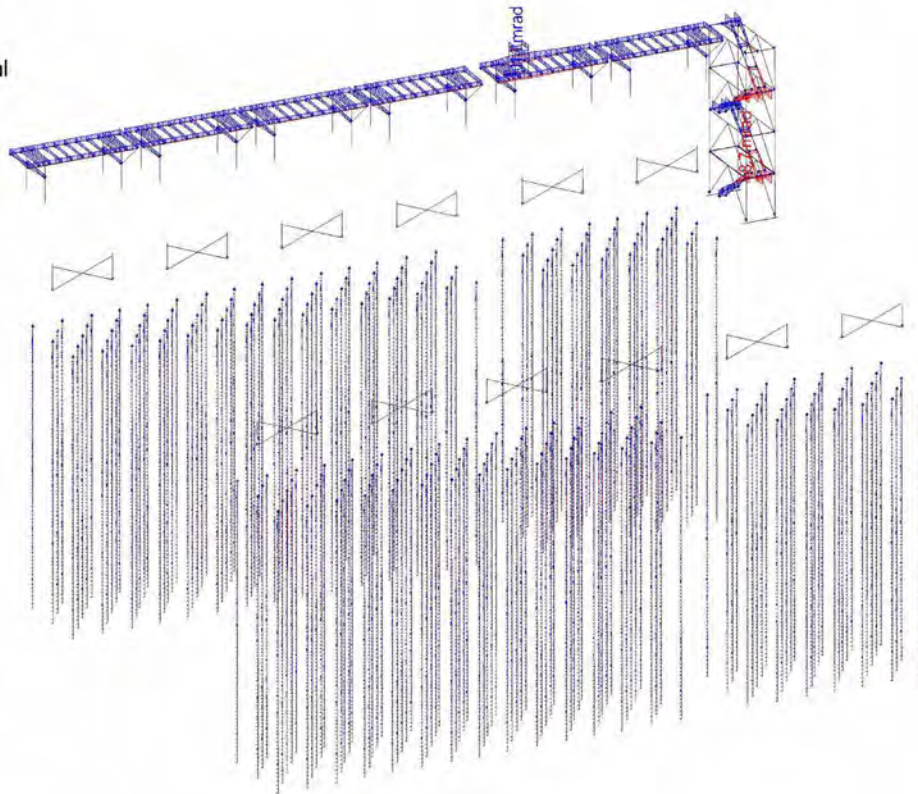
2.1.3.5. Resultaten - φ_x

Values: φ_x
Linear calculation
Class: Alle BGT
Coordinate system: Global
Extreme 1D: Global
Selection: All



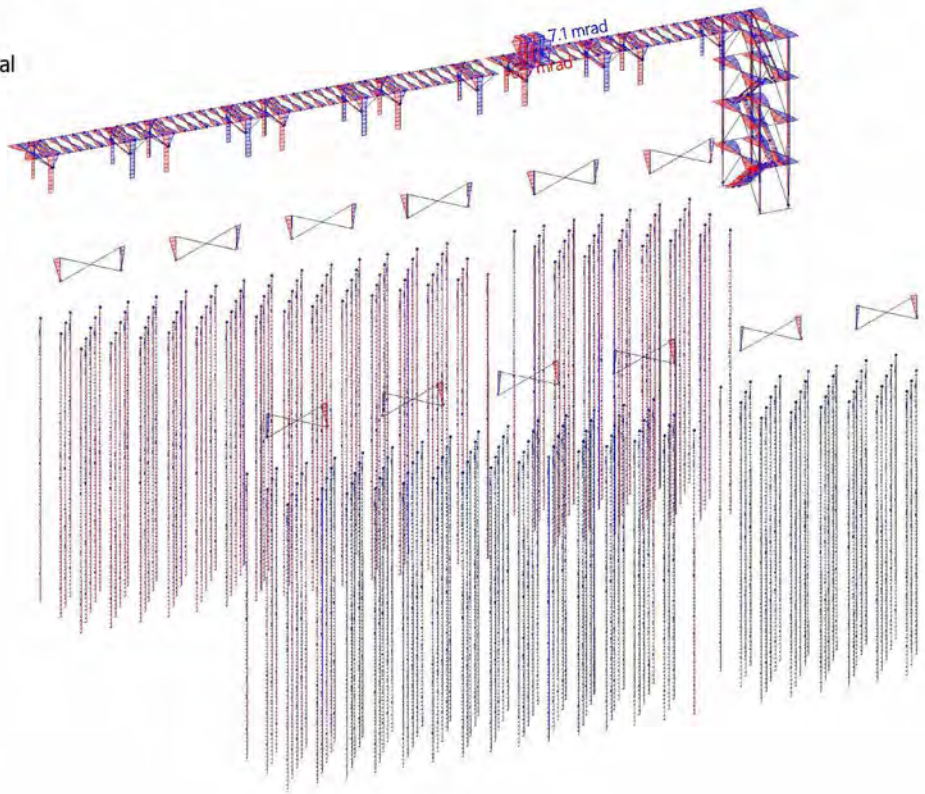
2.1.3.6. Resultaten - φ_y

Values: φ_y
Linear calculation
Class: Alle BGT
Coordinate system: Global
Extreme 1D: Global
Selection: All



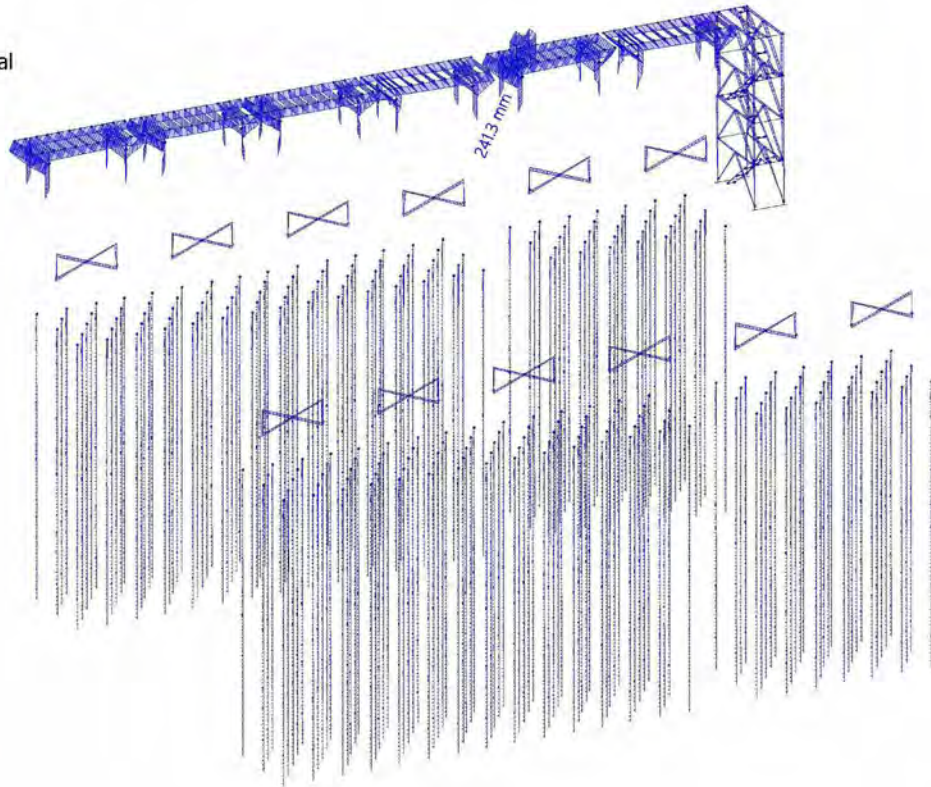
2.1.3.7. Resultaten - φ_z

Values: φ_z
Linear calculation
Class: Alle BGT
Coordinate system: Global
Extreme 1D: Global
Selection: All



2.1.3.8. Resultaten - U_{total}

Values: **U_{total}**
Linear calculation
Class: Alle BGT
Coordinate system: Global
Extreme 1D: Global
Selection: All



2.1.4. 2D-*vervormingen* Algemeen

2.1.4.1. 2D *displacement*

Linear calculation

Class: Alle BGT

Extreme: Member

Selection: All

Location: In nodes avg. on macro. System: LCS mesh element

Name	Mesh	Position [m]	Case	U _x [mm]	U _y [mm]	U _z [mm]	ϕ _x [mrad]	ϕ _y [mrad]	ϕ _z [mrad]	U _{total} [mm]
E1	Element: 288 Node: 71573	12.972 40.000 -0.500	BGT-kar/1	-4.0	0.0	-54.7	-1.9	-0.5	0.0	54.9
E1	Element: 184 Node: 56073	12.028 1.000 -0.500	BGT-kar/2	4.6	0.1	-55.5	1.9	0.4	0.0	55.7
E1	Element: 373 Node: 1093	8.250 4.250 -0.500	BGT-kar/3	0.2	-4.7	-48.9	2.3	1.0	0.0	49.1
E1	Element: 303 Node: 1120	8.250 36.750 -0.500	BGT-kar/4	0.7	4.9	-49.4	-2.3	1.0	0.0	49.6
E1	Element: 184 Node: 56073	12.028 1.000 -0.500	BGT-kar/5	0.7	-3.9	-62.3	4.2	0.0	0.0	62.5
E1	Element: 238 Node: 70831	16.750 21.000 -0.500	BGT-kar/6	-4.0	0.0	-8.1	-0.2	-0.6	0.0	9.0
E1	Element: 292 Node: 71630	11.083 40.000 -0.500	BGT-kar/7	0.7	4.4	-62.1	-4.3	0.4	0.0	62.3
E1	Element: 182 Node: 56056	11.083 1.000 -0.500	BGT-kar/5	0.7	-3.9	-62.2	4.3	0.4	0.0	62.3
E1	Element: 194 Node: 2	16.750 1.000 -0.500	BGT-kar/8	-3.4	-0.3	-54.1	2.2	-1.4	0.0	54.2
E1	Element: 178 Node: 1	8.250 1.000 -0.500	BGT-kar/9	4.6	0.2	-54.4	2.3	1.4	0.0	54.6
E1	Element: 284 Node: 71569	15.806 40.000 -0.500	BGT-kar/10	0.7	4.3	-18.4	-0.6	-0.2	0.0	18.9
E1	Element: 188 Node: 60793	13.917 1.000 -0.500	BGT-kar/11	0.8	-4.0	-57.1	2.2	-0.5	0.0	57.2
E1	Element: 338 Node: 1105	8.250 20.500 -0.500	BGT-kar/12	3.9	0.0	-8.1	-0.1	0.5	0.0	9.0
E2	Element: 739 Node: 317	12.500 2.000 3.400	BGT-kar/13	-20.6	-58.2	0.1	0.0	0.0	4.7	61.7
E2	Element: 741 Node: 318	12.500 7.500 3.400	BGT-kar/14	11.7	-23.1	0.4	0.0	0.0	-2.0	25.9
E2	Element: 739 Node: 316	12.500 1.500 3.400	BGT-kar/15	-13.8	-61.3	0.5	0.0	0.0	4.2	62.8
E2	Element: 739 Node: 316	12.500 1.500 3.400	BGT-kar/16	4.5	-10.4	0.0	0.0	0.0	-1.7	11.3
E2	Element: 739 Node: 316	12.500 1.500 3.400	BGT-kar/17	-14.0	-55.9	-6.0	-0.6	0.0	3.7	58.0
E2	Element: 739 Node: 316	12.500 1.500 3.400	BGT-kar/18	5.1	-16.2	6.5	0.5	0.0	-1.1	18.1
E2	Element: 739	12.500 2.000	BGT-kar/17	-14.0	-54.2	-6.0	-0.6	0.0	3.9	56.3

Name	Mesh	Position [m]	Case	u _x [mm]	u _y [mm]	u _z [mm]	φ _x [mrad]	φ _y [mrad]	φ _z [mrad]	U _{total} [mm]
	Node: 317	3.400								
E2	Element: 741 Node: 318	12.500 7.500 3.400	BGT-kar/19	5.2	-23.2	6.4	0.5	0.0	-1.2	24.6
E2	Element: 740 Node: 73151	12.500 4.750 3.400	BGT-kar/20	3.5	-14.4	-0.2	0.0	0.0	0.2	14.8
E2	Element: 739 Node: 317	12.500 2.000 3.400	BGT-kar/11	-12.4	-56.0	0.7	0.0	0.0	2.6	57.4
E2	Element: 735 Node: 73145	12.500 1.500 1.700	BGT-kar/16	2.2	-11.2	0.0	0.0	0.0	-2.3	11.4
E2	Element: 735 Node: 73145	12.500 1.500 1.700	BGT-kar/15	-7.2	-60.4	0.5	0.0	0.0	4.9	60.8
E2	Element: 740 Node: 73151	12.500 4.750 3.400	BGT-kar/21	0.0	-10.6	0.0	0.0	0.0	0.1	10.6
E2	Element: 739 Node: 316	12.500 1.500 3.400	BGT-kar/5	-20.3	-61.1	0.7	0.0	0.0	4.4	64.4
E3	Element: 747 Node: 323	12.500 12.500 3.400	BGT-kar/3	-10.3	-36.5	0.0	0.0	0.0	1.9	37.9
E3	Element: 749 Node: 324	12.500 18.000 3.400	BGT-kar/22	9.2	-36.9	0.4	0.0	0.0	-1.6	38.0
E3	Element: 747 Node: 323	12.500 12.500 3.400	BGT-kar/23	0.1	-42.3	0.4	0.0	0.0	0.5	42.3
E3	Element: 750 Node: 321	12.500 18.500 3.400	BGT-kar/24	4.6	-38.6	-6.0	-0.6	0.0	-1.3	39.3
E3	Element: 747 Node: 322	12.500 12.000 3.400	BGT-kar/25	-5.5	-21.0	6.4	0.5	0.0	1.5	22.6
E3	Element: 747 Node: 323	12.500 12.500 3.400	BGT-kar/24	4.2	-32.0	-6.0	-0.6	0.0	-0.6	32.8
E3	Element: 749 Node: 324	12.500 18.000 3.400	BGT-kar/26	-5.3	-12.5	6.3	0.5	0.0	1.4	15.0
E3	Element: 748 Node: 73160	12.500 15.250 3.400	BGT-kar/20	4.1	-12.9	-0.1	0.0	0.0	0.0	13.6
E3	Element: 747 Node: 323	12.500 12.500 3.400	BGT-kar/11	-5.3	-39.2	0.5	0.0	0.0	0.8	39.5
E3	Element: 746 Node: 73159	12.500 18.500 1.700	BGT-kar/27	1.2	-39.3	-0.1	0.0	0.0	-2.0	39.3
E3	Element: 743 Node: 73154	12.500 12.000 1.700	BGT-kar/28	-1.7	-37.4	0.5	0.0	0.0	2.3	37.4
E3	Element: 748 Node: 73160	12.500 15.250 3.400	BGT-kar/29	0.0	-8.5	0.0	0.0	0.0	0.1	8.5
E4	Element: 755 Node: 329	12.500 23.000 3.400	BGT-kar/30	-8.9	-36.1	-0.1	0.0	0.0	1.6	37.2
E4	Element: 757 Node: 330	12.500 28.500 3.400	BGT-kar/31	10.5	-37.2	0.5	0.0	0.0	-1.9	38.7
E4	Element: 757 Node: 330	12.500 28.500 3.400	BGT-kar/32	0.3	-42.2	0.4	0.0	0.0	-0.5	42.2

Name	Mesh	Position [m]	Case	u _x [mm]	u _y [mm]	u _z [mm]	φ _x [mrad]	φ _y [mrad]	φ _z [mrad]	U _{total} [mm]
E4	Element: 758 Node: 327	12.500 29.000 3.400	BGT-kar/1	1.2	-38.5	-6.0	-0.6	0.0	-0.5	39.0
E4	Element: 758 Node: 327	12.500 29.000 3.400	BGT-kar/33	0.5	-13.8	6.3	0.5	0.0	-0.1	15.2
E4	Element: 755 Node: 329	12.500 23.000 3.400	BGT-kar/34	0.9	-37.1	-6.0	-0.6	0.0	0.2	37.6
E4	Element: 757 Node: 330	12.500 28.500 3.400	BGT-kar/33	0.5	-13.7	6.3	0.5	0.0	-0.1	15.1
E4	Element: 756 Node: 73169	12.500 25.750 3.400	BGT-kar/20	4.5	-12.9	0.0	0.0	0.0	-0.1	13.7
E4	Element: 754 Node: 73168	12.500 29.000 1.700	BGT-kar/35	2.1	-37.3	0.5	0.0	0.0	-2.3	37.4
E4	Element: 751 Node: 73163	12.500 22.500 1.700	BGT-kar/36	-1.1	-39.1	-0.1	0.0	0.0	2.0	39.1
E4	Element: 756 Node: 73169	12.500 25.750 3.400	BGT-kar/37	0.0	-8.5	-0.1	0.0	0.0	-0.1	8.5
E5	Element: 763 Node: 335	12.500 33.500 3.400	BGT-kar/38	-11.5	-22.3	-0.2	0.0	0.0	2.0	25.1
E5	Element: 765 Node: 336	12.500 39.000 3.400	BGT-kar/7	20.9	-58.9	0.6	0.0	0.0	-4.7	62.5
E5	Element: 766 Node: 333	12.500 39.500 3.400	BGT-kar/15	14.3	-61.2	0.4	0.0	0.0	-4.2	62.9
E5	Element: 766 Node: 333	12.500 39.500 3.400	BGT-kar/16	-4.5	-10.3	-0.1	0.0	0.0	1.7	11.3
E5	Element: 766 Node: 333	12.500 39.500 3.400	BGT-kar/39	14.1	-55.9	-6.1	-0.6	0.0	-3.8	58.0
E5	Element: 766 Node: 333	12.500 39.500 3.400	BGT-kar/40	-4.8	-16.0	6.4	0.5	0.0	1.2	17.9
E5	Element: 763 Node: 335	12.500 33.500 3.400	BGT-kar/41	13.9	-34.6	-6.0	-0.6	0.0	-3.1	37.8
E5	Element: 765 Node: 336	12.500 39.000 3.400	BGT-kar/40	-4.7	-16.7	6.4	0.5	0.0	1.2	18.5
E5	Element: 764 Node: 73178	12.500 36.250 3.400	BGT-kar/42	6.7	-16.9	0.6	0.0	0.0	-0.6	18.2
E5	Element: 763 Node: 335	12.500 33.500 3.400	BGT-kar/43	2.3	-43.1	-0.2	0.0	0.0	-1.2	43.2
E5	Element: 762 Node: 73177	12.500 39.500 1.700	BGT-kar/15	7.7	-60.3	0.4	0.0	0.0	-4.9	60.8
E5	Element: 762 Node: 73177	12.500 39.500 1.700	BGT-kar/16	-2.2	-11.1	-0.1	0.0	0.0	2.3	11.4
E5	Element: 764 Node: 73178	12.500 36.250 3.400	BGT-kar/44	0.0	-10.5	-0.1	0.0	0.0	-0.1	10.5
E5	Element: 766 Node: 333	12.500 39.500 3.400	BGT-kar/7	20.8	-61.0	0.6	0.0	0.0	-4.4	64.4
E6	Element:	54.750	BGT-kar/45	-1.2	0.1	-52.3	-1.9	-1.0	0.0	52.3

Name	Mesh	Position [m]	Case	u _x [mm]	u _y [mm]	u _z [mm]	φ _x [mrad]	φ _y [mrad]	φ _z [mrad]	U _{total} [mm]
	1048 Node: 339	40.000 -0.500								
E6	Element: 944 Node: 73243	47.194 1.000 -0.500	BGT-kar/46	0.6	0.0	-52.9	2.0	1.0	0.0	52.9
E6	Element: 1143 Node: 73347	46.250 4.000 -0.500	BGT-kar/47	0.0	-4.4	-48.9	2.3	1.0	0.0	49.1
E6	Element: 1041 Node: 73286	54.750 37.000 -0.500	BGT-kar/48	-0.6	4.5	-49.5	-2.3	-1.0	0.0	49.7
E6	Element: 953 Node: 73247	50.972 1.000 -0.500	BGT-kar/49	-0.5	-3.7	-61.7	4.1	0.0	0.0	61.8
E6	Element: 1064 Node: 340	46.250 40.000 -0.500	BGT-kar/50	0.0	-3.8	-9.3	1.8	0.2	0.0	10.1
E6	Element: 1052 Node: 73293	51.917 40.000 -0.500	BGT-kar/7	-0.6	3.9	-61.4	-4.2	-0.4	0.0	61.5
E6	Element: 954 Node: 73248	51.917 1.000 -0.500	BGT-kar/51	-0.5	-3.7	-61.5	4.2	-0.4	0.0	61.6
E6	Element: 960 Node: 338	54.750 1.000 -0.500	BGT-kar/52	-0.5	-4.3	-56.5	2.3	-1.1	0.0	56.7
E6	Element: 944 Node: 337	46.250 1.000 -0.500	BGT-kar/53	0.0	-3.9	-56.1	2.5	1.1	0.0	56.3
E6	Element: 1062 Node: 73302	47.194 40.000 -0.500	BGT-kar/54	0.0	-3.8	-14.4	-0.2	0.2	0.0	14.9
E6	Element: 1004 Node: 73270	54.750 21.000 -0.500	BGT-kar/55	-0.5	0.0	-9.4	-0.2	-0.2	0.0	9.4
E7	Element: 1508 Node: 653	50.500 2.000 3.400	BGT-kar/13	-20.2	-57.7	0.1	0.0	0.0	4.7	61.1
E7	Element: 1510 Node: 654	50.500 7.500 3.400	BGT-kar/14	11.3	-22.8	-0.5	0.0	0.0	-2.0	25.4
E7	Element: 1508 Node: 652	50.500 1.500 3.400	BGT-kar/56	-13.9	-60.7	-0.5	0.0	0.0	4.2	62.3
E7	Element: 1508 Node: 652	50.500 1.500 3.400	BGT-kar/57	4.6	-10.1	0.1	0.0	0.0	-1.7	11.1
E7	Element: 1511 Node: 651	50.500 8.000 3.400	BGT-kar/58	-1.4	-14.3	-1.2	0.0	0.0	0.3	14.4
E7	Element: 1508 Node: 652	50.500 1.500 3.400	BGT-kar/46	-7.5	-54.5	0.7	0.0	0.0	2.1	55.0
E7	Element: 1510 Node: 654	50.500 7.500 3.400	BGT-kar/46	-7.2	-43.2	0.7	0.0	0.0	1.4	43.8
E7	Element: 1507 Node: 73582	50.500 8.000 1.700	BGT-kar/59	-0.8	-13.6	-0.6	0.0	0.0	0.3	13.6
E7	Element: 1510 Node: 654	50.500 7.500 3.400	BGT-kar/60	-7.1	-43.9	0.2	0.0	0.0	1.4	44.4
E7	Element: 1504 Node: 73576	50.500 1.500 1.700	BGT-kar/61	2.2	-10.9	0.0	0.0	0.0	-2.4	11.1
E7	Element: 1504	50.500 1.500	BGT-kar/62	-7.3	-59.8	-0.5	0.0	0.0	4.9	60.2

Name	Mesh	Position [m]	Case	u_x [mm]	u_y [mm]	u_z [mm]	φ_x [mrad]	φ_y [mrad]	φ_z [mrad]	U_{total} [mm]
E7	Node: 73576 Element: 1509 Node: 73583	1.700 50.500 4.750 3.400	BGT-kar/63	0.0	-10.4	0.0	0.0	0.0	0.1	10.4
E7	Element: 1508 Node: 652	50.500 1.500 3.400	BGT-kar/51	-20.1	-60.4	-0.5	0.0	0.0	4.4	63.7
E8	Element: 1516 Node: 659	50.500 12.500 3.400	BGT-kar/64	-10.0	-36.2	0.1	0.0	0.0	1.9	37.5
E8	Element: 1518 Node: 660	50.500 18.000 3.400	BGT-kar/65	8.7	-36.6	-0.5	0.0	0.0	-1.6	37.7
E8	Element: 1516 Node: 659	50.500 12.500 3.400	BGT-kar/66	0.0	-41.8	-0.5	0.0	0.0	0.5	41.8
E8	Element: 1519 Node: 657	50.500 18.500 3.400	BGT-kar/58	-0.1	-13.1	-1.2	0.0	0.0	0.0	13.2
E8	Element: 1516 Node: 658	50.500 12.000 3.400	BGT-kar/46	-1.2	-38.3	0.7	0.0	0.0	0.5	38.3
E8	Element: 1518 Node: 660	50.500 18.000 3.400	BGT-kar/46	-0.8	-36.7	0.7	0.0	0.0	-0.2	36.7
E8	Element: 1515 Node: 73593	50.500 18.500 1.700	BGT-kar/59	-0.1	-12.5	-0.6	0.0	0.0	0.0	12.5
E8	Element: 1518 Node: 660	50.500 18.000 3.400	BGT-kar/60	-0.7	-37.3	0.1	0.0	0.0	-0.2	37.4
E8	Element: 1515 Node: 73593	50.500 18.500 1.700	BGT-kar/67	1.1	-38.9	0.0	0.0	0.0	-2.0	38.9
E8	Element: 1512 Node: 73588	50.500 12.000 1.700	BGT-kar/68	-1.8	-37.0	-0.5	0.0	0.0	2.3	37.0
E8	Element: 1517 Node: 73594	50.500 15.250 3.400	BGT-kar/69	0.0	-8.4	0.0	0.0	0.0	0.1	8.4
E9	Element: 1524 Node: 665	50.500 23.000 3.400	BGT-kar/70	-8.7	-35.9	0.0	0.0	0.0	1.6	37.0
E9	Element: 1526 Node: 666	50.500 28.500 3.400	BGT-kar/48	10.1	-36.8	-0.6	0.0	0.0	-1.9	38.1
E9	Element: 1526 Node: 666	50.500 28.500 3.400	BGT-kar/71	0.2	-41.8	-0.6	0.0	0.0	-0.5	41.8
E9	Element: 1527 Node: 663	50.500 29.000 3.400	BGT-kar/58	0.3	-13.5	-1.2	0.0	0.0	-0.1	13.5
E9	Element: 1524 Node: 664	50.500 22.500 3.400	BGT-kar/46	0.9	-36.5	0.7	0.0	0.0	0.0	36.5
E9	Element: 1526 Node: 666	50.500 28.500 3.400	BGT-kar/46	1.2	-38.1	0.7	0.0	0.0	-0.8	38.1
E9	Element: 1520 Node: 73597	50.500 22.500 1.700	BGT-kar/72	0.1	-12.5	0.6	0.0	0.0	0.0	12.5
E9	Element: 1524 Node: 665	50.500 23.000 3.400	BGT-kar/45	0.9	-37.2	-1.2	0.0	0.0	0.2	37.3
E9	Element: 1523 Node: 73604	50.500 29.000 1.700	BGT-kar/73	2.0	-36.9	-0.6	0.0	0.0	-2.3	37.0

Name	Mesh	Position [m]	Case	u_x [mm]	u_y [mm]	u_z [mm]	ϕ_x [mrad]	ϕ_y [mrad]	ϕ_z [mrad]	U_{total} [mm]
E9	Element: 1520 Node: 73597	50.500 22.500 1.700	BGT-kar/74	-1.1	-38.8	0.0	0.0	0.0	2.0	38.9
E9	Element: 1525 Node: 73605	50.500 25.750 3.400	BGT-kar/75	0.0	-8.4	0.0	0.0	0.0	-0.1	8.4
E10	Element: 1532 Node: 671	50.500 33.500 3.400	BGT-kar/38	-11.2	-22.1	0.0	0.0	0.0	2.0	24.8
E10	Element: 1534 Node: 672	50.500 39.000 3.400	BGT-kar/76	20.3	-58.2	-0.6	0.0	0.0	-4.7	61.7
E10	Element: 1535 Node: 669	50.500 39.500 3.400	BGT-kar/77	14.1	-60.6	-0.6	0.0	0.0	-4.2	62.2
E10	Element: 1535 Node: 669	50.500 39.500 3.400	BGT-kar/78	-4.6	-10.1	0.0	0.0	0.0	1.7	11.1
E10	Element: 1535 Node: 669	50.500 39.500 3.400	BGT-kar/79	-6.5	-13.1	-1.3	0.0	0.0	1.5	14.7
E10	Element: 1532 Node: 670	50.500 33.000 3.400	BGT-kar/80	8.7	-43.0	0.7	0.0	0.0	-1.9	43.8
E10	Element: 1531 Node: 73620	50.500 39.500 1.700	BGT-kar/58	0.9	-16.7	-1.2	0.0	0.0	-0.4	16.8
E10	Element: 1534 Node: 672	50.500 39.000 3.400	BGT-kar/46	7.5	-53.4	0.6	0.0	0.0	-2.4	53.9
E10	Element: 1528 Node: 73611	50.500 33.000 1.700	BGT-kar/72	0.8	-13.7	0.6	0.0	0.0	-0.3	13.7
E10	Element: 1532 Node: 671	50.500 33.500 3.400	BGT-kar/45	7.2	-43.6	-1.2	0.0	0.0	-1.4	44.2
E10	Element: 1531 Node: 73620	50.500 39.500 1.700	BGT-kar/15	7.5	-59.6	-0.6	0.0	0.0	-4.8	60.1
E10	Element: 1531 Node: 73620	50.500 39.500 1.700	BGT-kar/16	-2.2	-10.9	0.0	0.0	0.0	2.3	11.1
E10	Element: 1533 Node: 73621	50.500 36.250 3.400	BGT-kar/81	0.0	-10.3	0.0	0.0	0.0	-0.1	10.3
E10	Element: 1535 Node: 669	50.500 39.500 3.400	BGT-kar/76	20.2	-60.3	-0.6	0.0	0.0	-4.4	63.6
E11	Element: 1540 Node: 677	12.500 45.000 3.400	BGT-kar/82	-23.1	-61.3	0.8	0.0	0.0	4.8	65.5
E11	Element: 1542 Node: 678	12.500 50.500 3.400	BGT-kar/83	16.4	-19.8	-0.1	0.0	0.0	-2.7	25.7
E11	Element: 1540 Node: 676	12.500 44.500 3.400	BGT-kar/84	-22.9	-63.5	0.8	0.0	0.0	4.5	67.5
E11	Element: 1536 Node: 673	12.500 44.500 0.000	BGT-kar/85	7.5	-4.1	-0.3	0.0	0.0	-2.6	8.6
E11	Element: 1540 Node: 676	12.500 44.500 3.400	BGT-kar/86	-16.9	-60.8	-6.7	-0.6	0.0	4.2	63.5
E11	Element: 1540 Node: 676	12.500 44.500 3.400	BGT-kar/87	10.2	-6.9	7.2	0.6	0.0	-2.3	14.3
E11	Element:	12.500	BGT-kar/88	-5.4	-50.7	-6.6	-0.6	0.0	1.9	51.4

Name	Mesh	Position [m]	Case	u_x [mm]	u_y [mm]	u_z [mm]	φ_x [mrad]	φ_y [mrad]	φ_z [mrad]	U_{total} [mm]
	1540 Node: 677	45.000 3.400								
E11	Element: 1542 Node: 678	12.500 50.500 3.400	BGT-kar/33	-1.2	-14.7	7.1	0.6	0.0	0.2	16.4
E11	Element: 1541 Node: 73631	12.500 47.750 3.400	BGT-kar/20	4.7	-13.6	-0.2	0.0	0.0	0.0	14.4
E11	Element: 1540 Node: 677	12.500 45.000 3.400	BGT-kar/89	-11.5	-53.2	0.8	0.0	0.1	2.2	54.4
E11	Element: 1536 Node: 73624	12.500 44.500 1.700	BGT-kar/90	-9.2	-62.1	0.5	0.0	0.0	4.8	62.8
E11	Element: 1536 Node: 73624	12.500 44.500 1.700	BGT-kar/91	5.2	-5.1	0.0	0.0	0.0	-3.0	7.3
E12	Element: 1548 Node: 683	12.500 55.500 3.400	BGT-kar/92	-16.6	-20.3	0.4	0.0	0.0	2.7	26.2
E12	Element: 1550 Node: 684	12.500 61.000 3.400	BGT-kar/93	22.9	-60.5	0.2	0.0	0.0	-4.7	64.7
E12	Element: 1551 Node: 681	12.500 61.500 3.400	BGT-kar/94	22.6	-63.3	0.7	0.0	0.0	-4.5	67.2
E12	Element: 1551 Node: 681	12.500 61.500 3.400	BGT-kar/95	5.3	-51.0	-6.6	-0.6	0.0	-1.6	51.7
E12	Element: 1548 Node: 682	12.500 55.000 3.400	BGT-kar/33	0.9	-14.6	7.0	0.6	0.0	-0.2	16.2
E12	Element: 1548 Node: 683	12.500 55.500 3.400	BGT-kar/88	5.1	-43.2	-6.6	-0.6	0.0	-0.8	44.0
E12	Element: 1550 Node: 684	12.500 61.000 3.400	BGT-kar/33	1.0	-16.3	6.9	0.6	0.0	-0.4	17.7
E12	Element: 1549 Node: 73642	12.500 58.250 3.400	BGT-kar/20	6.9	-16.0	0.1	0.0	0.0	-0.5	17.4
E12	Element: 1548 Node: 683	12.500 55.500 3.400	BGT-kar/89	-1.0	-43.2	0.3	0.0	0.1	-0.5	43.2
E12	Element: 1550 Node: 684	12.500 61.000 3.400	BGT-kar/94	22.7	-61.2	0.7	0.0	0.0	-4.7	65.3
E12	Element: 1548 Node: 683	12.500 55.500 3.400	BGT-kar/96	-16.3	-19.6	-0.2	0.0	0.0	2.7	25.5
E12	Element: 1547 Node: 680	12.500 61.500 0.000	BGT-kar/96	-7.5	-4.0	-0.4	0.0	0.0	2.6	8.5
E13	Element: 1556 Node: 689	50.500 45.000 3.400	BGT-kar/92	-22.6	-60.7	-0.5	0.0	0.0	4.7	64.8
E13	Element: 1558 Node: 690	50.500 50.500 3.400	BGT-kar/83	15.8	-19.4	0.0	0.0	0.0	-2.7	25.1
E13	Element: 1556 Node: 688	50.500 44.500 3.400	BGT-kar/92	-22.6	-62.8	-0.5	0.0	0.0	4.4	66.8
E13	Element: 1556 Node: 688	50.500 44.500 3.400	BGT-kar/97	8.5	-3.9	0.1	0.0	0.0	-2.3	9.3
E13	Element: 1559	50.500 51.000	BGT-kar/98	-1.3	-14.2	-1.2	0.0	0.0	0.2	14.4

Name	Mesh	Position [m]	Case	u_x [mm]	u_y [mm]	u_z [mm]	φ_x [mrad]	φ_y [mrad]	φ_z [mrad]	U_{total} [mm]
	Node: 687	3.400								
E13	Element: 1556	50.500 44.500	BGT-kar/99	-5.4	-50.8	0.8	0.0	0.0	1.6	51.1
	Node: 688	3.400								
E13	Element: 1558	50.500 50.500	BGT-kar/99	-5.1	-42.7	0.8	0.0	0.0	0.8	43.1
	Node: 690	3.400								
E13	Element: 1552	50.500 44.500	BGT-kar/90	-9.2	-61.6	-0.5	0.0	0.0	4.8	62.3
	Node: 73645	1.700								
E13	Element: 1552	50.500 44.500	BGT-kar/91	5.1	-4.7	0.1	0.0	0.0	-3.0	6.9
	Node: 73645	1.700								
E14	Element: 1564	50.500 55.500	BGT-kar/92	-16.2	-20.1	-0.6	0.0	0.0	2.7	25.8
	Node: 695	3.400								
E14	Element: 1566	50.500 61.000	BGT-kar/83	22.3	-59.8	0.0	0.0	0.0	-4.7	63.9
	Node: 696	3.400								
E14	Element: 1567	50.500 61.500	BGT-kar/100	22.0	-62.6	-0.6	0.0	0.0	-4.4	66.3
	Node: 693	3.400								
E14	Element: 1567	50.500 61.500	BGT-kar/101	-8.6	-3.8	0.0	0.0	0.0	2.3	9.4
	Node: 693	3.400								
E14	Element: 1567	50.500 61.500	BGT-kar/102	5.0	-51.1	-1.3	0.0	0.0	-1.6	51.4
	Node: 693	3.400								
E14	Element: 1564	50.500 55.000	BGT-kar/99	5.0	-42.0	0.7	0.0	0.0	-1.1	42.3
	Node: 694	3.400								
E14	Element: 1563	50.500 61.500	BGT-kar/98	0.3	-15.9	-1.2	0.0	0.0	-0.3	16.0
	Node: 73664	1.700								
E14	Element: 1566	50.500 61.000	BGT-kar/99	5.3	-49.9	0.7	0.0	0.0	-1.8	50.2
	Node: 696	3.400								
E14	Element: 1563	50.500 61.500	BGT-kar/103	8.6	-61.4	-0.6	0.0	0.0	-4.8	62.0
	Node: 73664	1.700								
E14	Element: 1563	50.500 61.500	BGT-kar/104	-5.1	-4.6	0.0	0.0	0.0	3.0	6.9
	Node: 73664	1.700								
E15	Element: 1709	54.750 62.000	BGT-kar/105	-1.2	-0.2	-48.4	-1.4	-1.0	0.0	48.4
	Node: 699	-0.500								
E15	Element: 1653	46.250 44.000	BGT-kar/99	0.7	-0.1	-48.0	1.4	1.0	0.0	48.0
	Node: 697	-0.500								
E15	Element: 1752	46.250 49.000	BGT-kar/106	-0.5	-6.1	-40.8	4.0	0.9	0.0	41.3
	Node: 73768	-0.500								
E15	Element: 1697	54.750 57.000	BGT-kar/85	0.0	5.9	-40.1	-4.0	-0.8	0.0	40.5
	Node: 73735	-0.500								
E15	Element: 1662	50.972 44.000	BGT-kar/92	-0.5	-6.1	-64.1	4.2	0.0	0.0	64.4
	Node: 73714	-0.500								
E15	Element: 1725	46.250 62.000	BGT-kar/107	-0.1	-5.9	-2.3	2.5	0.1	0.0	6.3
	Node: 700	-0.500								
E15	Element: 1713	51.917 62.000	BGT-kar/94	-0.6	5.6	-63.7	-4.3	-0.5	0.0	63.9
	Node: 73744	-0.500								
E15	Element: 1663	51.917 44.000	BGT-kar/82	-0.5	-6.1	-63.9	4.3	-0.5	0.0	64.2
	Node: 73715	-0.500								

Name	Mesh	Position [m]	Case	u _x [mm]	u _y [mm]	u _z [mm]	φ _x [mrad]	φ _y [mrad]	φ _z [mrad]	U _{total} [mm]
E15	Element: 1669 Node: 698	54.750 44.000 -0.500	BGT-kar/92	-0.5	-6.1	-61.3	4.2	-1.1	0.0	61.6
E15	Element: 1653 Node: 697	46.250 44.000 -0.500	BGT-kar/96	0.1	-5.9	-60.5	4.2	1.1	0.0	60.8
E15	Element: 1723 Node: 73749	47.194 62.000 -0.500	BGT-kar/108	-0.6	-4.6	-13.8	-0.1	0.2	0.0	14.5
E15	Element: 1715 Node: 73745	50.972 62.000 -0.500	BGT-kar/109	0.5	-1.5	-4.7	2.3	0.0	0.0	5.0
E16	Element: 2006 Node: 73915	12.972 44.000 -0.500	BGT-kar/110	-4.5	0.1	-15.7	0.3	-0.5	0.0	16.3
E16	Element: 2003 Node: 73914	12.028 44.000 -0.500	BGT-kar/111	5.2	-0.3	-51.6	1.4	0.5	0.0	51.8
E16	Element: 2100 Node: 1121	8.250 47.250 -0.500	BGT-kar/82	0.8	-6.7	-48.5	4.1	0.9	0.0	48.9
E16	Element: 2078 Node: 73954	8.250 56.813 -0.500	BGT-kar/83	0.1	6.5	-39.7	-4.0	0.8	0.0	40.3
E16	Element: 2003 Node: 73914	12.028 44.000 -0.500	BGT-kar/84	0.9	-6.4	-64.8	4.2	0.0	0.0	65.1
E16	Element: 2063 Node: 73949	11.083 62.000 -0.500	BGT-kar/94	0.8	6.2	-64.4	-4.3	0.4	0.0	64.7
E16	Element: 2001 Node: 73911	11.083 44.000 -0.500	BGT-kar/82	0.9	-6.6	-64.5	4.3	0.4	0.0	64.9
E16	Element: 2013 Node: 842	16.750 44.000 -0.500	BGT-kar/112	-3.9	-1.7	-58.1	4.0	-1.5	0.0	58.3
E16	Element: 1997 Node: 841	8.250 44.000 -0.500	BGT-kar/113	5.1	-1.7	-58.1	3.9	1.4	0.0	58.4
E16	Element: 2011 Node: 73919	15.806 44.000 -0.500	BGT-kar/20	-0.3	4.7	-13.4	0.1	-0.2	0.0	14.2
E16	Element: 2055 Node: 73944	15.806 62.000 -0.500	BGT-kar/89	0.1	-4.8	-47.8	-1.2	-0.9	0.0	48.0
E16	Element: 2053 Node: 843	16.750 62.000 -0.500	BGT-kar/96	-0.4	-6.1	-2.4	2.5	-0.1	0.0	6.5
E17	Element: 7602 Node: 989	60.000 4.750 13.250	BGT-kar/114	-32.6	-47.2	-139.2	3.4	-6.6	0.0	150.6
E17	Element: 7619 Node: 990	60.000 9.100 8.900	BGT-kar/115	38.7	124.1	-18.8	2.3	12.4	-1.3	131.4
E17	Element: 5101 Node: 78130	30.900 1.052 11.190	BGT-kar/5	0.2	-236.6	2.4	-28.3	-0.1	0.0	236.6
E17	Element: 5078 Node: 78100	30.900 8.644 10.839	BGT-kar/116	-0.1	187.8	-12.2	35.0	0.0	0.0	188.2
E17	Element: 5122 Node: 78161	31.300 4.750 13.250	BGT-kar/117	-9.1	-29.2	-259.0	2.1	0.0	0.0	260.8
E17	Element: 6660 Node: 75724	31.300 0.400 8.900	BGT-kar/13	-0.2	-181.6	187.9	-15.7	0.0	0.0	261.3
E17	Element:	16.900	BGT-kar/118	-3.7	-168.1	19.3	-42.2	-3.0	-1.5	169.2

Name	Mesh	Position [m]	Case	u_x [mm]	u_y [mm]	u_z [mm]	φ_x [mrad]	φ_y [mrad]	φ_z [mrad]	U_{total} [mm]
	3984 Node: 76624	0.566 10.090								
E17	Element: 3956 Node: 76588	16.900 8.934 10.090	BGT-kar/5	-2.8	128.4	-31.5	47.7	-3.0	1.5	132.2
E17	Element: 3399 Node: 74104	3.396 0.400 8.900	BGT-kar/119	-10.3	-153.6	38.7	2.2	-14.2	-1.3	158.7
E17	Element: 7619 Node: 80279	59.604 9.100 8.900	BGT-kar/119	10.2	120.1	-28.2	4.8	14.0	-1.3	123.7
E17	Element: 2547 Node: 994	9.200 1.250 11.483	BGT-kar/120	9.4	-175.8	-60.2	-6.1	1.9	-5.0	186.0
E17	Element: 2546 Node: 991	9.200 8.250 11.483	BGT-kar/121	9.5	121.4	-104.7	11.1	1.9	5.0	160.6
E17	Element: 3380 Node: 74083	3.000 5.549 13.176	BGT-kar/21	-4.6	2.7	-19.0	0.1	1.0	0.1	19.8
E17	Element: 6659 Node: 75723	30.900 0.400 8.900	BGT-kar/5	0.2	-182.6	187.8	-15.8	0.0	0.0	261.9
E18	Element: 13108 Node: 996	60.000 4.750 4.550	BGT-kar/114	-29.8	17.8	134.8	3.4	-6.0	0.0	139.2
E18	Element: 13092 Node: 11945	60.000 9.081 8.499	BGT-kar/115	39.0	124.9	-6.2	2.3	13.1	0.0	131.0
E18	Element: 12142 Node: 75723	30.900 0.400 8.900	BGT-kar/5	0.2	-182.3	187.9	-15.8	0.0	0.0	261.8
E18	Element: 12050 Node: 75848	30.900 9.100 8.900	BGT-kar/116	-0.1	159.1	134.4	21.3	0.0	0.0	208.3
E18	Element: 8623 Node: 985	3.000 9.100 8.900	BGT-kar/13	-9.8	107.7	-58.6	6.4	-11.6	1.4	123.1
E18	Element: 10570 Node: 84725	31.300 0.694 7.329	BGT-kar/5	0.3	-101.0	230.2	30.2	0.0	0.0	251.4
E18	Element: 8766 Node: 81356	12.500 8.051 6.067	BGT-kar/118	-2.7	57.7	68.7	-95.3	-2.0	-3.0	89.8
E18	Element: 8808 Node: 81403	12.500 1.449 6.067	BGT-kar/5	-1.8	-47.0	109.0	100.7	-2.0	3.0	118.7
E18	Element: 12334 Node: 12034	50.810 7.527 5.552	BGT-kar/76	0.1	54.3	13.1	-30.2	-30.5	2.9	55.8
E18	Element: 7908 Node: 81521	12.190 7.527 5.552	BGT-kar/7	0.3	54.4	13.8	-30.8	31.0	-2.8	56.2
E18	Element: 8071 Node: 81750	4.583 8.221 6.279	BGT-kar/122	-2.9	108.7	70.6	-9.4	-0.1	-5.0	129.6
E18	Element: 8801 Node: 82631	12.597 1.982 5.544	BGT-kar/123	-11.0	-36.2	45.7	37.6	-22.1	5.0	59.3
E18	Element: 10615 Node: 84769	31.700 4.750 4.550	BGT-kar/124	-0.1	1.9	4.7	0.4	0.0	0.0	5.1
E18	Element: 10568 Node: 84723	31.300 0.474 8.101	BGT-kar/5	0.3	-143.2	221.9	5.2	0.0	0.0	264.1
E19	Element: 18519	60.000 15.250	BGT-kar/27	-32.6	15.5	-129.6	-1.1	-6.6	0.0	134.6

Name	Mesh	Position [m]	Case	u_x [mm]	u_y [mm]	u_z [mm]	φ_x [mrad]	φ_y [mrad]	φ_z [mrad]	U_{total} [mm]
	Node: 1005	13.250								
E19	Element: 18536 Node: 1006	60.000 19.600 8.900	BGT-kar/115	38.7	108.8	-10.9	1.5	12.4	-1.3	116.0
E19	Element: 16000 Node: 15971	30.900 11.552 11.190	BGT-kar/125	0.1	-199.2	-11.9	-31.1	-0.1	0.0	199.6
E19	Element: 15978 Node: 15949	30.900 18.948 11.190	BGT-kar/126	0.0	199.2	-14.6	31.2	0.0	0.0	199.7
E19	Element: 16021 Node: 15993	31.300 15.250 13.250	BGT-kar/23	-9.1	-2.3	-247.8	0.2	0.0	0.0	248.0
E19	Element: 17588 Node: 14126	31.300 10.900 8.900	BGT-kar/127	-0.3	-154.5	162.5	-18.4	0.0	0.0	224.2
E19	Element: 14883 Node: 14819	16.900 11.066 10.090	BGT-kar/128	-3.6	-136.8	-1.7	-44.8	-3.0	-1.5	136.9
E19	Element: 14855 Node: 14791	16.900 19.434 10.090	BGT-kar/129	-2.9	132.0	-2.9	45.0	-3.0	1.5	132.1
E19	Element: 14301 Node: 12882	3.396 10.900 8.900	BGT-kar/130	-10.9	-120.2	5.9	-1.2	-14.2	-1.3	120.9
E19	Element: 18536 Node: 17619	59.604 19.600 8.900	BGT-kar/131	9.7	115.5	-8.2	2.7	14.0	-1.3	116.2
E19	Element: 13459 Node: 1010	9.200 11.750 11.483	BGT-kar/132	9.3	-139.0	-70.7	-8.6	1.9	-5.0	156.2
E19	Element: 13455 Node: 1007	9.200 18.750 11.483	BGT-kar/133	9.4	138.5	-74.3	8.2	1.9	5.0	157.5
E19	Element: 14282 Node: 12862	3.000 16.049 13.176	BGT-kar/29	-4.6	2.4	-17.0	0.1	1.0	0.1	17.8
E20	Element: 23996 Node: 1012	60.000 15.250 4.550	BGT-kar/27	-29.8	-5.5	125.3	-1.1	-6.0	0.0	128.9
E20	Element: 23980 Node: 22743	60.000 19.581 8.499	BGT-kar/115	39.0	109.0	-0.2	1.5	13.1	0.0	115.7
E20	Element: 23030 Node: 14125	30.900 10.900 8.900	BGT-kar/134	0.0	-157.6	151.1	-19.8	0.0	0.0	218.3
E20	Element: 22938 Node: 14224	30.900 19.600 8.900	BGT-kar/126	0.0	157.5	160.2	18.7	0.0	0.0	224.7
E20	Element: 21503 Node: 21226	31.700 15.250 4.550	BGT-kar/135	11.1	0.2	-43.6	0.2	-0.1	0.0	45.0
E20	Element: 21458 Node: 21180	31.300 11.194 7.329	BGT-kar/125	0.2	-85.1	201.4	27.4	0.0	0.0	218.6
E20	Element: 19718 Node: 18443	12.500 18.551 6.067	BGT-kar/128	-2.6	42.6	79.6	-97.9	-1.9	-3.0	90.4
E20	Element: 19760 Node: 18483	12.500 11.949 6.067	BGT-kar/129	-2.0	-40.0	79.6	98.0	-2.0	3.0	89.1
E20	Element: 23222 Node: 22832	50.810 18.027 5.552	BGT-kar/136	-0.4	38.4	16.0	-32.6	-30.4	2.9	41.6
E20	Element: 18796 Node: 18571	12.190 18.027 5.552	BGT-kar/137	0.4	39.9	18.6	-33.2	31.0	-2.8	44.0

Name	Mesh	Position [m]	Case	u _x [mm]	u _y [mm]	u _z [mm]	φ _x [mrad]	φ _y [mrad]	φ _z [mrad]	U _{total} [mm]
E20	Element: 18959 Node: 18746	4.583 18.721 6.279	BGT-kar/138	-3.0	97.0	78.5	-11.4	-0.1	-5.0	124.9
E20	Element: 19753 Node: 19424	12.597 12.482 5.544	BGT-kar/41	-10.9	-33.9	22.8	35.4	-22.1	5.0	42.3
E20	Element: 21474 Node: 21196	31.300 16.440 4.716	BGT-kar/139	0.3	2.1	-0.2	-39.0	0.1	0.0	2.1
E20	Element: 21456 Node: 21178	31.300 10.974 8.101	BGT-kar/125	0.2	-122.1	194.2	2.4	0.0	0.0	229.4
E21	Element: 29378 Node: 1021	60.000 25.750 13.250	BGT-kar/140	-32.6	3.9	-132.4	-0.3	-6.6	0.0	136.4
E21	Element: 29395 Node: 1022	60.000 30.100 8.900	BGT-kar/141	38.7	112.5	3.5	-0.1	12.4	-1.3	119.0
E21	Element: 26878 Node: 26770	30.900 21.856 10.839	BGT-kar/142	0.0	-198.3	15.5	-32.4	0.0	0.0	198.9
E21	Element: 26855 Node: 26747	30.900 29.448 11.190	BGT-kar/31	0.1	199.9	-10.8	31.0	0.0	0.0	200.2
E21	Element: 26898 Node: 26791	31.300 25.750 13.250	BGT-kar/32	-9.1	3.8	-247.7	-0.2	0.0	0.0	247.9
E21	Element: 28533 Node: 25022	30.900 30.100 8.900	BGT-kar/143	0.1	155.4	163.3	18.3	0.0	0.0	225.5
E21	Element: 25760 Node: 25617	16.900 21.566 10.090	BGT-kar/143	-3.0	-131.5	-4.1	-45.2	-3.0	-1.5	131.5
E21	Element: 25732 Node: 25589	16.900 29.934 10.090	BGT-kar/144	-3.5	137.3	-0.7	44.7	-3.0	1.5	137.3
E21	Element: 25175 Node: 23680	3.396 21.400 8.900	BGT-kar/145	-10.9	-131.1	2.6	-1.6	-14.2	-1.3	131.5
E21	Element: 29395 Node: 28417	59.604 30.100 8.900	BGT-kar/146	9.7	120.6	-4.9	2.4	14.0	-1.3	121.1
E21	Element: 24323 Node: 1026	9.200 22.250 11.483	BGT-kar/147	9.3	-138.5	-75.4	-9.0	1.9	-5.0	158.0
E21	Element: 24322 Node: 1023	9.200 29.250 11.483	BGT-kar/148	9.4	138.9	-69.5	7.9	1.9	5.0	155.6
E21	Element: 25160 Node: 23664	3.000 24.951 13.176	BGT-kar/37	-4.6	-2.3	-17.0	-0.1	1.0	-0.1	17.8
E22	Element: 34884 Node: 1028	60.000 25.750 4.550	BGT-kar/140	-29.8	-1.2	128.0	-0.3	-6.0	0.0	131.5
E22	Element: 34868 Node: 33541	60.000 30.081 8.499	BGT-kar/141	39.0	111.4	13.8	-0.1	13.1	0.0	118.8
E22	Element: 33918 Node: 24923	30.900 21.400 8.900	BGT-kar/142	0.0	-157.2	159.2	-18.9	0.0	0.0	223.8
E22	Element: 33826 Node: 25022	30.900 30.100 8.900	BGT-kar/149	0.1	157.8	152.0	19.6	0.0	0.0	219.1
E22	Element: 32391 Node: 32024	31.700 25.750 4.550	BGT-kar/150	11.1	-0.3	-43.6	-0.1	-0.1	0.0	45.0
E22	Element:	31.300	BGT-kar/31	0.3	85.0	202.0	-27.6	0.0	0.0	219.1

Name	Mesh	Position [m]	Case	u _x [mm]	u _y [mm]	u _z [mm]	φ _x [mrad]	φ _y [mrad]	φ _z [mrad]	U _{total} [mm]
	32372 Node: 32004	29.806 7.329								
E22	Element: 30606 Node: 29241	12.500 29.051 6.067	BGT-kar/143	-1.9	39.6	80.2	-98.2	-2.0	-3.0	89.4
E22	Element: 30648 Node: 29281	12.500 22.449 6.067	BGT-kar/144	-2.6	-42.8	79.1	97.7	-2.0	3.0	90.0
E22	Element: 34110 Node: 33630	50.810 28.527 5.552	BGT-kar/151	-0.3	39.7	20.8	-32.9	-30.5	2.9	44.8
E22	Element: 29684 Node: 29369	12.190 28.527 5.552	BGT-kar/116	0.5	39.3	21.2	-33.5	31.0	-2.8	44.6
E22	Element: 29847 Node: 29544	4.583 29.221 6.279	BGT-kar/138	-3.0	93.5	68.8	-10.5	-0.1	-5.0	116.1
E22	Element: 30641 Node: 30222	12.597 22.982 5.544	BGT-kar/152	-10.9	-36.1	22.2	35.0	-22.1	5.0	43.8
E22	Element: 31818 Node: 31433	24.500 26.940 4.716	BGT-kar/153	1.6	0.9	-0.4	-32.7	2.8	-1.1	1.9
E22	Element: 32374 Node: 32006	31.300 30.026 8.101	BGT-kar/31	0.2	122.1	195.0	-2.6	0.0	0.0	230.0
E23	Element: 40266 Node: 1037	60.000 36.250 13.250	BGT-kar/154	-32.7	49.3	-138.9	-3.6	-6.6	0.0	151.0
E23	Element: 40283 Node: 1038	60.000 40.600 8.900	BGT-kar/155	38.7	143.3	23.3	-2.1	12.4	-1.3	150.3
E23	Element: 37766 Node: 37568	30.900 32.356 10.839	BGT-kar/156	-0.2	-186.9	-13.4	-35.1	0.0	0.0	187.4
E23	Element: 37743 Node: 37545	30.900 39.948 11.190	BGT-kar/7	0.2	237.3	3.5	28.2	0.0	0.0	237.3
E23	Element: 37787 Node: 37590	31.300 35.849 13.231	BGT-kar/157	-9.1	6.8	-258.9	-6.1	0.0	0.0	259.2
E23	Element: 36648 Node: 36415	16.900 32.066 10.090	BGT-kar/7	-2.9	-127.7	-32.6	-47.9	-3.0	-1.5	131.9
E23	Element: 36620 Node: 36387	16.900 40.434 10.090	BGT-kar/158	-3.7	168.6	20.4	42.0	-3.0	1.5	169.9
E23	Element: 36063 Node: 34478	3.396 31.900 8.900	BGT-kar/159	-10.9	-133.0	-16.8	-3.7	-14.2	-1.3	134.5
E23	Element: 40283 Node: 39215	59.604 40.600 8.900	BGT-kar/159	9.7	150.6	27.0	-1.0	14.0	-1.3	153.3
E23	Element: 35211 Node: 1042	9.200 32.750 11.483	BGT-kar/160	9.3	-121.4	-105.8	-11.8	1.9	-5.0	161.3
E23	Element: 35210 Node: 1039	9.200 39.750 11.483	BGT-kar/161	9.4	175.5	-59.0	5.4	1.9	5.0	185.4
E23	Element: 36048 Node: 34462	3.000 35.451 13.176	BGT-kar/44	-4.7	-2.7	-19.0	-0.1	1.0	-0.1	19.8
E23	Element: 39421 Node: 35820	30.900 40.600 8.900	BGT-kar/7	0.2	182.6	188.7	15.6	0.0	0.0	262.6
E24	Element: 45772	60.000 36.250	BGT-kar/154	-29.8	-17.9	134.5	-3.6	-6.0	0.0	138.9

Name	Mesh	Position [m]	Case	u _x [mm]	u _y [mm]	u _z [mm]	φ _x [mrad]	φ _y [mrad]	φ _z [mrad]	U _{total} [mm]
	Node: 1044	4.550								
E24	Element: 45756 Node: 44339	60.000 40.581 8.499	BGT-kar/155	38.9	140.2	35.5	-2.1	13.1	0.0	149.8
E24	Element: 44806 Node: 35721	30.900 31.900 8.900	BGT-kar/156	-0.2	-158.8	133.4	-21.6	0.0	0.0	207.4
E24	Element: 44714 Node: 35820	30.900 40.600 8.900	BGT-kar/7	0.2	182.4	188.8	15.6	0.0	0.0	262.5
E24	Element: 41254 Node: 1035	3.000 31.900 8.900	BGT-kar/7	-9.5	-108.8	-59.4	-6.5	-11.7	-1.4	124.3
E24	Element: 43260 Node: 42802	31.300 40.306 7.329	BGT-kar/7	0.3	100.8	230.8	-30.4	0.0	0.0	251.8
E24	Element: 41494 Node: 40039	12.500 39.551 6.067	BGT-kar/7	-1.9	46.5	109.5	-100.9	-2.0	-3.0	119.0
E24	Element: 41536 Node: 40079	12.500 32.949 6.067	BGT-kar/158	-2.8	-57.9	68.2	95.0	-2.0	3.0	89.5
E24	Element: 44998 Node: 44428	50.810 39.027 5.552	BGT-kar/162	-0.2	40.0	50.4	-35.9	-30.5	2.9	64.4
E24	Element: 40572 Node: 40167	12.190 39.027 5.552	BGT-kar/149	0.6	40.4	52.2	-36.4	30.9	-2.8	66.0
E24	Element: 40735 Node: 40342	4.583 39.721 6.279	BGT-kar/163	-3.0	101.6	99.9	-13.3	-0.1	-5.0	142.5
E24	Element: 41529 Node: 41020	12.597 33.482 5.544	BGT-kar/34	-11.0	-54.8	16.2	32.1	-22.1	5.0	58.2
E24	Element: 43279 Node: 42822	31.700 36.250 4.550	BGT-kar/124	-0.1	-1.9	4.7	-0.4	0.0	0.0	5.1
E24	Element: 43262 Node: 42804	31.300 40.526 8.101	BGT-kar/7	0.3	143.1	222.6	-5.4	0.0	0.0	264.6
E25	Element: 51183 Node: 1053	60.000 47.750 13.250	BGT-kar/164	-32.6	-55.4	-142.5	3.9	-6.6	0.0	156.3
E25	Element: 51200 Node: 1054	60.000 52.100 8.900	BGT-kar/165	38.7	124.7	-10.5	1.4	12.4	-1.3	131.0
E25	Element: 48664 Node: 48365	30.900 44.052 11.190	BGT-kar/84	0.2	-240.9	4.1	-28.2	-0.1	0.0	240.9
E25	Element: 48641 Node: 48342	30.900 51.644 10.839	BGT-kar/166	-0.1	190.1	-6.3	34.5	0.0	0.0	190.2
E25	Element: 48684 Node: 48386	31.300 48.151 13.231	BGT-kar/167	-9.1	-31.8	-258.2	7.9	0.0	0.0	260.4
E25	Element: 50251 Node: 46519	30.900 43.400 8.900	BGT-kar/82	0.3	-185.2	191.3	-15.5	0.0	0.0	266.2
E25	Element: 47547 Node: 47213	16.900 43.566 10.090	BGT-kar/168	-3.8	-162.4	14.6	-42.8	-3.0	-1.5	163.1
E25	Element: 47519 Node: 47185	16.900 51.934 10.090	BGT-kar/84	-2.8	129.4	-35.4	47.9	-3.0	1.5	134.1
E25	Element: 46965 Node: 45276	3.396 43.400 8.900	BGT-kar/169	-10.3	-146.6	18.2	0.0	-14.2	-1.3	148.1

Name	Mesh	Position [m]	Case	u _x [mm]	u _y [mm]	u _z [mm]	φ _x [mrad]	φ _y [mrad]	φ _z [mrad]	U _{total} [mm]
E25	Element: 51200 Node: 50013	59.604 52.100 8.900	BGT-kar/170	10.2	121.8	-33.6	5.2	14.0	-1.3	126.8
E25	Element: 46123 Node: 1058	9.200 44.250 11.483	BGT-kar/171	10.2	-178.3	-60.4	-6.2	2.6	-5.9	188.5
E25	Element: 46119 Node: 1055	9.200 51.250 11.483	BGT-kar/172	10.4	123.8	-100.2	10.7	1.9	5.1	159.6
E25	Element: 48701 Node: 48403	31.300 43.419 9.301	BGT-kar/173	11.7	-15.4	-4.0	-7.0	0.0	0.0	19.8
E25	Element: 50251 Node: 46519	30.900 43.400 8.900	BGT-kar/84	0.2	-185.3	191.2	-15.7	0.0	0.0	266.3
E26	Element: 56660 Node: 1060	60.000 47.750 4.550	BGT-kar/164	-29.7	21.4	138.1	3.9	-6.0	0.0	142.8
E26	Element: 56644 Node: 55137	60.000 52.081 8.499	BGT-kar/165	39.0	124.7	1.6	1.4	13.1	-0.1	130.7
E26	Element: 55694 Node: 46519	30.900 43.400 8.900	BGT-kar/84	0.2	-185.1	191.3	-15.7	0.0	0.0	266.2
E26	Element: 55602 Node: 46618	30.900 52.100 8.900	BGT-kar/166	-0.1	158.8	139.7	20.8	0.0	0.0	211.5
E26	Element: 52175 Node: 1049	3.000 52.100 8.900	BGT-kar/82	-9.3	110.4	-62.0	6.6	-11.6	1.4	126.9
E26	Element: 54122 Node: 53574	31.300 43.694 7.329	BGT-kar/84	0.4	-102.4	234.1	30.4	0.0	0.0	255.5
E26	Element: 52382 Node: 50837	12.500 51.051 6.067	BGT-kar/168	-2.7	54.3	71.4	-95.9	-1.9	-3.0	89.8
E26	Element: 52424 Node: 50877	12.500 44.449 6.067	BGT-kar/84	-1.8	-47.1	112.8	101.1	-2.0	3.0	122.3
E26	Element: 55872 Node: 55219	50.810 44.973 5.552	BGT-kar/174	-0.1	-39.8	47.3	35.6	-30.5	-2.8	61.9
E26	Element: 51460 Node: 50965	12.190 50.527 5.552	BGT-kar/175	0.3	56.2	14.9	-30.9	31.0	-2.8	58.1
E26	Element: 51623 Node: 51140	4.583 51.221 6.279	BGT-kar/176	-2.9	109.9	54.5	-7.6	-0.1	-5.0	122.7
E26	Element: 52417 Node: 51818	12.597 44.982 5.544	BGT-kar/177	-11.8	-36.1	51.5	38.0	-22.2	5.1	64.0
E26	Element: 53781 Node: 53222	26.900 46.951 4.624	BGT-kar/178	1.2	1.4	0.2	27.3	2.2	0.5	1.9
E26	Element: 54120 Node: 53572	31.300 43.474 8.101	BGT-kar/84	0.4	-145.3	225.5	5.4	0.0	0.0	268.3
E27	Element: 62042 Node: 1069	60.000 58.250 13.250	BGT-kar/179	-32.3	18.5	-141.6	-1.4	-6.6	0.0	146.4
E27	Element: 62059 Node: 1070	60.000 62.600 8.900	BGT-kar/173	38.5	148.1	40.8	-3.9	12.4	-1.3	158.4
E27	Element: 59542 Node: 59164	30.900 54.356 10.839	BGT-kar/180	-0.2	-189.4	-7.0	-34.6	0.0	0.0	189.6
E27	Element:	30.900	BGT-kar/94	0.2	240.2	3.9	28.2	0.0	0.0	240.3

Name	Mesh	Position [m]	Case	u_x [mm]	u_y [mm]	u_z [mm]	φ_x [mrad]	φ_y [mrad]	φ_z [mrad]	U_{total} [mm]
	59519 Node: 59141	61.948 11.190								
E27	Element: 59563 Node: 59186	31.300 57.849 13.231	BGT-kar/103	-8.8	32.2	-257.0	-7.9	0.1	0.0	259.2
E27	Element: 61197 Node: 57416	30.900 62.600 8.900	BGT-kar/93	-0.3	184.3	190.8	15.6	0.0	0.0	265.2
E27	Element: 58424 Node: 58011	16.900 54.066 10.090	BGT-kar/94	-2.9	-129.3	-35.1	-47.9	-3.0	-1.5	134.0
E27	Element: 58396 Node: 57983	16.900 62.434 10.090	BGT-kar/181	-3.8	162.6	15.8	42.5	-3.0	1.5	163.4
E27	Element: 57839 Node: 56074	3.396 53.900 8.900	BGT-kar/182	-10.9	-123.5	-33.8	-5.3	-14.2	-1.3	128.5
E27	Element: 62059 Node: 60811	59.604 62.600 8.900	BGT-kar/183	9.6	143.0	18.1	-0.1	14.0	-1.3	144.5
E27	Element: 56987 Node: 1074	9.200 54.750 11.483	BGT-kar/184	9.9	-124.0	-101.0	-11.4	1.9	-5.0	160.3
E27	Element: 56986 Node: 1071	9.200 61.750 11.483	BGT-kar/185	10.1	177.6	-59.2	5.4	1.9	5.0	187.5
E27	Element: 61211 Node: 57430	25.300 62.600 8.900	BGT-kar/186	7.5	18.0	0.5	5.9	0.0	0.0	19.5
E27	Element: 61197 Node: 57416	30.900 62.600 8.900	BGT-kar/94	0.2	185.0	190.6	15.6	0.0	0.0	265.6
E28	Element: 67548 Node: 1076	60.000 58.250 4.550	BGT-kar/179	-29.8	-6.6	137.2	-1.4	-6.0	0.0	140.6
E28	Element: 67532 Node: 65935	60.000 62.581 8.499	BGT-kar/187	38.8	143.5	52.8	-3.9	13.1	-0.1	157.8
E28	Element: 66582 Node: 57317	30.900 53.900 8.900	BGT-kar/180	-0.2	-158.4	139.3	-21.1	0.0	0.0	210.9
E28	Element: 66490 Node: 57416	30.900 62.600 8.900	BGT-kar/94	0.2	184.7	190.7	15.6	0.0	0.0	265.5
E28	Element: 63030 Node: 1067	3.000 53.900 8.900	BGT-kar/93	-10.0	-110.4	-61.5	-6.5	-11.7	-1.4	126.7
E28	Element: 65036 Node: 64398	31.300 62.306 7.329	BGT-kar/94	0.4	102.3	233.3	-30.4	0.0	0.0	254.8
E28	Element: 63270 Node: 61635	12.500 61.551 6.067	BGT-kar/188	-1.8	47.1	112.4	-100.9	-2.0	-3.0	121.9
E28	Element: 63312 Node: 61675	12.500 54.949 6.067	BGT-kar/189	-2.8	-54.5	70.8	95.5	-2.0	3.0	89.4
E28	Element: 66774 Node: 66024	50.810 61.027 5.552	BGT-kar/190	-0.2	39.9	46.9	-35.6	-30.5	2.9	61.6
E28	Element: 62348 Node: 61763	12.190 61.027 5.552	BGT-kar/178	0.6	40.5	48.4	-36.1	30.9	-2.8	63.2
E28	Element: 62511 Node: 61938	4.583 61.721 6.279	BGT-kar/169	-3.0	101.0	94.7	-12.9	-0.1	-5.0	138.5
E28	Element: 63305	12.597 55.482	BGT-kar/88	-11.7	-51.9	18.1	32.7	-22.1	5.0	56.2

Name	Mesh	Position [m]	Case	u_x [mm]	u_y [mm]	u_z [mm]	φ_x [mrad]	φ_y [mrad]	φ_z [mrad]	U_{total} [mm]
	Node: 62616	5.544								
E28	Element: 64480 64480 Node: 63825	24.500 58.651 4.569	BGT-kar/89	2.1	0.4	-0.7	-13.9	4.1	-0.5	2.2
E28	Element: 65038 65038 Node: 64400	31.300 62.526 8.101	BGT-kar/94	0.4	145.1	224.8	-5.4	0.0	0.0	267.6
E29	Element: 67586 67586 Node: 986	3.000 4.750 13.250	BGT-kar/13	-86.6	-135.3	8.4	6.3	-0.1	6.4	160.9
E29	Element: 67586 67586 Node: 986	3.000 4.750 13.250	BGT-kar/14	56.1	-31.0	1.2	0.7	0.1	-4.2	64.1
E29	Element: 67637 67637 Node: 987	3.000 0.400 8.900	BGT-kar/5	-58.2	-164.3	-9.7	1.0	-12.5	6.4	174.6
E29	Element: 67637 67637 Node: 987	3.000 0.400 8.900	BGT-kar/191	37.3	-11.5	-1.3	0.4	-1.1	-4.2	39.1
E29	Element: 67636 67636 Node: 81301	3.000 0.419 8.499	BGT-kar/17	-31.0	-150.1	-21.4	1.2	-13.0	3.4	154.8
E29	Element: 67586 67586 Node: 986	3.000 4.750 13.250	BGT-kar/192	-31.2	-139.8	19.7	6.4	0.0	2.3	144.6
E29	Element: 67615 67615 Node: 81331	3.000 6.689 5.006	BGT-kar/7	-9.4	-131.8	5.2	-7.9	-1.6	1.5	132.3
E29	Element: 67586 67586 Node: 986	3.000 4.750 13.250	BGT-kar/6	-54.3	-135.4	-1.8	6.9	0.0	4.0	145.9
E29	Element: 67636 67636 Node: 81301	3.000 0.419 8.499	BGT-kar/193	-31.7	-150.7	0.0	1.3	-13.5	3.5	154.0
E29	Element: 67604 67604 Node: 81344	3.000 9.081 8.499	BGT-kar/194	-19.1	-131.7	-0.4	1.3	13.5	2.1	133.0
E29	Element: 67624 67624 Node: 81322	3.000 3.179 4.844	BGT-kar/151	20.6	-23.6	0.0	-0.4	-0.3	-4.2	31.4
E29	Element: 67616 67616 Node: 81329	3.000 6.321 4.844	BGT-kar/51	-32.2	-125.6	5.2	-6.6	-0.6	6.5	129.8
E29	Element: 67588 67588 Node: 74083	3.000 5.549 13.176	BGT-kar/21	-0.8	-19.2	-4.6	1.0	0.0	0.1	19.8
E29	Element: 67641 67641 Node: 74100	3.000 0.694 10.471	BGT-kar/5	-68.3	-162.7	-5.3	1.9	-6.0	6.4	176.5
E30	Element: 68102 68102 Node: 1002	3.000 15.250 13.250	BGT-kar/127	-49.5	-119.8	8.3	6.3	-0.1	3.7	129.9
E30	Element: 68102 68102 Node: 1002	3.000 15.250 13.250	BGT-kar/195	46.0	-33.2	1.3	0.7	0.1	-3.5	56.7
E30	Element: 68119 68119 Node: 1001	3.000 19.600 8.900	BGT-kar/126	30.9	-139.6	-9.9	1.0	12.5	-3.4	143.3
E30	Element: 68119 68119 Node: 1001	3.000 19.600 8.900	BGT-kar/196	-33.1	-12.1	-1.1	0.4	1.1	3.7	35.2
E30	Element: 68152 68152 Node: 18401	3.000 10.919 8.499	BGT-kar/24	10.3	-120.7	-21.3	1.2	-13.0	-1.2	123.0
E30	Element: 68102 68102 Node: 1002	3.000 15.250 13.250	BGT-kar/192	-19.7	-120.8	19.5	6.4	0.0	1.4	124.0

Name	Mesh	Position [m]	Case	u_x [mm]	u_y [mm]	u_z [mm]	ϕ_x [mrad]	ϕ_y [mrad]	ϕ_z [mrad]	U_{total} [mm]
E30	Element: 68131 Node: 18422	3.000 17.189 5.006	BGT-kar/137	3.4	-124.1	5.3	-7.9	-1.6	-0.9	124.3
E30	Element: 68102 Node: 1002	3.000 15.250 13.250	BGT-kar/197	-1.6	-116.4	-1.7	6.9	0.0	0.2	116.4
E30	Element: 68152 Node: 18401	3.000 10.919 8.499	BGT-kar/198	-0.5	-117.7	-0.6	1.3	-13.5	0.1	117.7
E30	Element: 68120 Node: 18433	3.000 19.581 8.499	BGT-kar/199	-1.4	-129.5	0.0	1.3	13.5	0.2	129.5
E30	Element: 68140 Node: 18413	3.000 13.679 4.844	BGT-kar/151	16.4	-117.5	4.4	-6.5	0.5	-3.5	118.8
E30	Element: 68132 Node: 18421	3.000 16.821 4.844	BGT-kar/200	-17.7	-114.2	5.1	-6.6	-0.6	3.8	115.7
E30	Element: 68104 Node: 12862	3.000 16.049 13.176	BGT-kar/29	-0.8	-17.2	-4.6	1.0	0.0	0.1	17.8
E30	Element: 68116 Node: 12850	3.000 19.434 10.090	BGT-kar/126	35.0	-139.2	-7.0	1.4	7.7	-3.4	143.7
E31	Element: 68618 Node: 1018	3.000 25.750 13.250	BGT-kar/201	-45.2	-31.9	0.9	0.7	-0.1	3.4	55.3
E31	Element: 68618 Node: 1018	3.000 25.750 13.250	BGT-kar/143	50.4	-121.0	8.8	6.3	0.1	-3.8	131.4
E31	Element: 68634 Node: 23646	3.000 30.081 9.301	BGT-kar/149	23.8	-139.8	-9.2	1.0	11.2	-2.5	142.1
E31	Element: 68669 Node: 1019	3.000 21.400 8.900	BGT-kar/202	33.1	-12.1	-1.2	0.4	-1.1	-3.7	35.2
E31	Element: 68668 Node: 29199	3.000 21.419 8.499	BGT-kar/34	2.8	-127.2	-21.3	1.2	-13.0	-0.3	129.0
E31	Element: 68618 Node: 1018	3.000 25.750 13.250	BGT-kar/203	1.2	-117.9	19.5	6.4	0.0	-0.1	119.6
E31	Element: 68647 Node: 29220	3.000 27.689 5.006	BGT-kar/116	5.4	-125.4	5.4	-7.9	-1.6	-1.3	125.6
E31	Element: 68618 Node: 1018	3.000 25.750 13.250	BGT-kar/204	1.1	-117.8	-1.7	6.9	0.0	-0.1	117.8
E31	Element: 68668 Node: 29199	3.000 21.419 8.499	BGT-kar/160	2.6	-128.4	-0.6	1.3	-13.5	-0.2	128.5
E31	Element: 68636 Node: 29231	3.000 30.081 8.499	BGT-kar/205	1.7	-118.6	0.0	1.3	13.5	-0.2	118.7
E31	Element: 68656 Node: 29211	3.000 24.179 4.844	BGT-kar/143	18.4	-114.8	5.1	-6.6	0.6	-3.8	116.3
E31	Element: 68648 Node: 29219	3.000 27.321 4.844	BGT-kar/38	-16.0	-116.9	4.4	-6.5	-0.6	3.5	118.1
E31	Element: 68684 Node: 23664	3.000 24.951 13.176	BGT-kar/37	0.8	-17.2	-4.6	1.0	0.0	-0.1	17.8
E31	Element: 68671 Node: 23677	3.000 21.474 9.699	BGT-kar/142	-32.2	-139.0	-8.3	1.1	-9.6	3.3	142.9
E32	Element:	3.000	BGT-kar/38	-55.3	-29.6	0.8	0.7	-0.1	4.2	62.7

Name	Mesh	Position [m]	Case	u _x [mm]	u _y [mm]	u _z [mm]	φ _x [mrad]	φ _y [mrad]	φ _z [mrad]	U _{total} [mm]
	69134 Node: 1034	36.250 13.250								
E32	Element: 69134 Node: 1034	3.000 36.250 13.250	BGT-kar/7	87.5	-136.6	8.8	6.3	0.1	-6.5	162.4
E32	Element: 69151 Node: 1033	3.000 40.600 8.900	BGT-kar/7	59.5	-164.6	-9.7	1.0	12.5	-6.5	175.3
E32	Element: 69151 Node: 1033	3.000 40.600 8.900	BGT-kar/38	-37.2	-11.6	-1.3	0.4	1.1	4.2	38.9
E32	Element: 69184 Node: 39997	3.000 31.919 8.499	BGT-kar/41	32.6	-119.6	-21.4	1.2	-13.0	-3.6	125.8
E32	Element: 69134 Node: 1034	3.000 36.250 13.250	BGT-kar/206	30.0	-139.9	19.6	6.3	0.0	-2.1	144.4
E32	Element: 69163 Node: 40018	3.000 38.189 5.006	BGT-kar/149	22.7	-147.5	5.5	-7.9	-1.6	-4.2	149.4
E32	Element: 69134 Node: 1034	3.000 36.250 13.250	BGT-kar/207	49.0	-133.8	-1.9	6.9	0.0	-3.6	142.5
E32	Element: 69184 Node: 39997	3.000 31.919 8.499	BGT-kar/208	21.0	-130.4	-0.6	1.3	-13.5	-2.3	132.1
E32	Element: 69152 Node: 40029	3.000 40.581 8.499	BGT-kar/209	32.2	-150.6	0.0	1.3	13.5	-3.5	154.0
E32	Element: 69172 Node: 40009	3.000 34.679 4.844	BGT-kar/7	32.8	-126.1	5.1	-6.6	0.6	-6.5	130.4
E32	Element: 69164 Node: 40017	3.000 37.821 4.844	BGT-kar/38	-20.3	-23.0	0.0	-0.4	0.3	4.2	30.7
E32	Element: 69200 Node: 34462	3.000 35.451 13.176	BGT-kar/44	0.8	-19.2	-4.7	1.0	0.0	-0.1	19.8
E32	Element: 69147 Node: 34447	3.000 40.306 10.471	BGT-kar/7	69.7	-162.9	-5.3	1.9	6.0	-6.5	177.3
E33	Element: 69701 Node: 1050	3.000 47.750 13.250	BGT-kar/82	-90.4	-138.5	9.0	6.3	-0.1	6.6	165.7
E33	Element: 69701 Node: 1050	3.000 47.750 13.250	BGT-kar/83	67.9	-25.8	0.7	0.7	0.1	-4.9	72.7
E33	Element: 69684 Node: 1051	3.000 43.400 8.900	BGT-kar/84	-61.5	-167.3	-9.7	1.0	-12.5	6.5	178.5
E33	Element: 69684 Node: 1051	3.000 43.400 8.900	BGT-kar/85	46.0	-4.0	-1.4	0.4	-1.1	-4.9	46.2
E33	Element: 69683 Node: 50795	3.000 43.419 8.499	BGT-kar/177	-36.7	-155.9	-22.2	1.2	-13.0	3.9	161.7
E33	Element: 69701 Node: 1050	3.000 47.750 13.250	BGT-kar/210	-19.0	-136.5	20.5	6.4	0.0	1.4	139.4
E33	Element: 69662 Node: 50816	3.000 49.689 5.006	BGT-kar/175	-10.0	-133.8	5.2	-7.9	-1.6	1.4	134.3
E33	Element: 69701 Node: 1050	3.000 47.750 13.250	BGT-kar/211	-18.7	-136.5	-2.7	6.9	0.0	1.4	137.8
E33	Element: 69683 Node: 50816	3.000 43.419 5.006	BGT-kar/212	-12.2	-143.7	0.9	1.3	-13.5	1.3	144.3

Name	Mesh	Position [m]	Case	u _x [mm]	u _y [mm]	u _z [mm]	φ _x [mrad]	φ _y [mrad]	φ _z [mrad]	U _{total} [mm]
	Node: 50795	8.499								
E33	Element: 69650 Node: 50827	3.000 52.081 8.499	BGT-kar/171	-36.4	-121.4	0.4	1.3	13.5	3.9	126.7
E33	Element: 69671 Node: 50807	3.000 46.179 4.844	BGT-kar/83	26.6	-18.0	-0.1	-0.4	-0.3	-4.9	32.1
E33	Element: 69663 Node: 50815	3.000 49.321 4.844	BGT-kar/82	-35.1	-127.9	5.3	-6.6	-0.6	6.6	132.7
E33	Element: 69706 Node: 45253	3.000 49.689 12.794	BGT-kar/213	-2.7	-20.4	-4.9	0.9	-0.1	0.3	21.2
E33	Element: 69689 Node: 45270	3.000 43.856 10.839	BGT-kar/84	-74.2	-164.6	-3.6	2.5	-4.3	6.5	180.6
E34	Element: 70166 Node: 1066	3.000 58.250 13.250	BGT-kar/92	-67.2	-25.7	1.3	0.7	-0.1	4.8	71.9
E34	Element: 70166 Node: 1066	3.000 58.250 13.250	BGT-kar/93	89.7	-138.2	8.3	6.3	0.1	-6.5	164.9
E34	Element: 70183 Node: 1065	3.000 62.600 8.900	BGT-kar/94	61.4	-166.9	-9.6	1.0	12.5	-6.5	178.1
E34	Element: 70183 Node: 1065	3.000 62.600 8.900	BGT-kar/96	-45.9	-3.9	-1.4	0.4	1.1	4.8	46.1
E34	Element: 70216 Node: 61593	3.000 53.919 8.499	BGT-kar/88	12.4	-131.6	-22.1	1.2	-13.0	-1.4	134.0
E34	Element: 70166 Node: 1066	3.000 58.250 13.250	BGT-kar/214	55.2	-137.3	20.2	6.4	0.0	-3.9	149.3
E34	Element: 70195 Node: 61614	3.000 60.189 5.006	BGT-kar/178	20.4	-145.0	5.5	-7.9	-1.6	-3.8	146.6
E34	Element: 70166 Node: 1066	3.000 58.250 13.250	BGT-kar/215	55.4	-137.2	-2.5	6.9	0.0	-3.9	147.9
E34	Element: 70216 Node: 61593	3.000 53.919 8.499	BGT-kar/216	37.3	-120.9	0.0	1.3	-13.5	-4.0	126.5
E34	Element: 70184 Node: 61625	3.000 62.581 8.499	BGT-kar/212	12.4	-143.6	0.6	1.3	13.5	-1.4	144.2
E34	Element: 70204 Node: 61605	3.000 56.679 4.844	BGT-kar/94	34.7	-128.3	5.2	-6.6	0.6	-6.5	133.0
E34	Element: 70196 Node: 61613	3.000 59.821 4.844	BGT-kar/96	-26.2	-17.3	-0.1	-0.4	0.3	4.9	31.4
E34	Element: 70190 Node: 61619	3.000 61.721 6.279	BGT-kar/217	-14.0	-18.1	-1.2	0.1	0.9	2.3	23.0
E34	Element: 70178 Node: 56044	3.000 62.144 10.839	BGT-kar/94	74.0	-164.2	-3.6	2.5	4.3	-6.5	180.2
E35	Element: 70682 Node: 989	60.000 4.750 13.250	BGT-kar/13	-85.8	-133.5	-9.1	-6.4	0.1	6.4	159.0
E35	Element: 70682 Node: 989	60.000 4.750 13.250	BGT-kar/14	55.0	-29.4	-1.0	-0.8	-0.1	-4.2	62.4
E35	Element: 70733 Node: 988	60.000 0.400 8.900	BGT-kar/49	-57.9	-162.1	10.4	-1.0	12.4	6.4	172.4

Name	Mesh	Position [m]	Case	u_x [mm]	u_y [mm]	u_z [mm]	ϕ_x [mrad]	ϕ_y [mrad]	ϕ_z [mrad]	U_{total} [mm]
E35	Element: 70733 Node: 988	60.000 0.400 8.900	BGT-kar/128	36.7	-10.4	0.6	-0.4	1.0	-4.2	38.1
E35	Element: 70682 Node: 989	60.000 4.750 13.250	BGT-kar/114	-47.2	-139.4	-32.6	-6.6	0.0	3.4	150.7
E35	Element: 70700 Node: 11945	60.000 9.081 8.499	BGT-kar/115	-17.8	-123.9	39.0	-1.3	-13.0	2.3	131.1
E35	Element: 70682 Node: 989	60.000 4.750 13.250	BGT-kar/199	-24.1	-138.0	1.2	-6.9	0.0	1.7	140.1
E35	Element: 70711 Node: 11956	60.000 6.689 5.006	BGT-kar/218	-10.6	-128.8	-5.3	7.7	1.5	1.5	129.3
E35	Element: 70700 Node: 11945	60.000 9.081 8.499	BGT-kar/219	-31.8	-117.7	0.0	-1.3	-13.3	3.5	121.9
E35	Element: 70732 Node: 11977	60.000 0.419 8.499	BGT-kar/220	-19.7	-147.3	-0.6	-1.3	13.3	2.1	148.6
E35	Element: 70720 Node: 11965	60.000 3.179 4.844	BGT-kar/151	19.6	-22.1	-0.4	0.3	0.3	-4.2	29.5
E35	Element: 70712 Node: 11957	60.000 6.321 4.844	BGT-kar/51	-31.4	-123.8	-4.3	6.4	0.6	6.5	127.8
E35	Element: 70725 Node: 11970	60.000 1.535 5.969	BGT-kar/221	13.5	-16.9	1.0	0.0	0.6	-2.5	21.7
E35	Element: 70737 Node: 80243	60.000 0.694 10.471	BGT-kar/49	-68.1	-160.4	5.9	-1.9	6.0	6.4	174.4
E36	Element: 71198 Node: 1005	60.000 15.250 13.250	BGT-kar/127	-48.9	-118.1	-9.2	-6.3	0.1	3.7	128.2
E36	Element: 71198 Node: 1005	60.000 15.250 13.250	BGT-kar/195	45.0	-31.7	-0.9	-0.8	-0.1	-3.5	55.0
E36	Element: 71250 Node: 17585	60.000 10.918 9.301	BGT-kar/222	-22.3	-137.5	9.6	-1.0	11.1	2.5	139.6
E36	Element: 71215 Node: 1006	60.000 19.600 8.900	BGT-kar/13	-32.3	-11.2	0.9	-0.4	-1.0	3.7	34.2
E36	Element: 71198 Node: 1005	60.000 15.250 13.250	BGT-kar/27	15.5	-129.8	-32.6	-6.6	0.0	-1.1	134.7
E36	Element: 71216 Node: 22743	60.000 19.581 8.499	BGT-kar/115	-10.3	-108.6	39.0	-1.3	-13.0	1.5	115.8
E36	Element: 71198 Node: 1005	60.000 15.250 13.250	BGT-kar/199	-2.6	-128.4	1.1	-6.9	0.0	0.1	128.4
E36	Element: 71227 Node: 22754	60.000 17.189 5.006	BGT-kar/136	2.3	-119.6	-5.2	7.7	1.5	-0.8	119.7
E36	Element: 71216 Node: 22743	60.000 19.581 8.499	BGT-kar/223	-12.7	-113.8	0.1	-1.3	-13.3	1.4	114.5
E36	Element: 71248 Node: 22775	60.000 10.918 8.499	BGT-kar/224	10.0	-118.6	0.0	-1.3	13.3	-1.2	119.0
E36	Element: 71236 Node: 22763	60.000 13.678 4.844	BGT-kar/151	15.3	-116.1	-5.1	6.4	-0.6	-3.5	117.2
E36	Element:	60.000	BGT-kar/200	-17.1	-112.6	-4.4	6.4	0.6	3.8	114.0

Name	Mesh	Position [m]	Case	u_x [mm]	u_y [mm]	u_z [mm]	φ_x [mrad]	φ_y [mrad]	φ_z [mrad]	U_{total} [mm]
	71228 Node: 22755	16.821 4.844								
E36	Element: 71223 Node: 22750	60.000 18.465 5.969	BGT-kar/225	-12.6	-15.2	0.7	0.0	-0.6	2.4	19.7
E36	Element: 71213 Node: 17616	60.000 19.526 9.699	BGT-kar/14	32.5	-137.2	8.5	-1.2	-9.5	-3.4	141.2
E37	Element: 71714 Node: 1021	60.000 25.750 13.250	BGT-kar/201	-44.5	-31.1	-1.3	-0.7	0.1	3.4	54.3
E37	Element: 71714 Node: 1021	60.000 25.750 13.250	BGT-kar/143	49.2	-118.7	-8.8	-6.4	-0.1	-3.8	128.8
E37	Element: 71730 Node: 28415	60.000 30.081 9.301	BGT-kar/22	22.6	-137.5	9.6	-1.0	-11.1	-2.5	139.7
E37	Element: 71765 Node: 1020	60.000 21.400 8.900	BGT-kar/226	32.5	-10.9	0.7	-0.4	1.0	-3.8	34.3
E37	Element: 71714 Node: 1021	60.000 25.750 13.250	BGT-kar/140	3.9	-132.6	-32.6	-6.6	0.0	-0.3	136.6
E37	Element: 71732 Node: 33541	60.000 30.081 8.499	BGT-kar/141	3.5	-112.3	39.0	-1.3	-13.0	-0.1	118.9
E37	Element: 71714 Node: 1021	60.000 25.750 13.250	BGT-kar/227	4.0	-126.9	1.1	-6.9	0.0	-0.3	126.9
E37	Element: 71743 Node: 33552	60.000 27.689 5.006	BGT-kar/151	4.2	-123.8	-5.1	7.7	1.5	-1.2	124.0
E37	Element: 71732 Node: 33541	60.000 30.081 8.499	BGT-kar/24	-9.7	-118.3	-0.5	-1.3	-13.3	1.1	118.7
E37	Element: 71764 Node: 33573	60.000 21.419 8.499	BGT-kar/219	13.1	-113.4	0.0	-1.3	13.3	-1.5	114.2
E37	Element: 71752 Node: 33561	60.000 24.179 4.844	BGT-kar/143	17.2	-112.4	-4.5	6.4	-0.6	-3.8	113.8
E37	Element: 71744 Node: 33553	60.000 27.321 4.844	BGT-kar/38	-15.4	-116.2	-5.0	6.5	0.6	3.5	117.3
E37	Element: 71757 Node: 33566	60.000 22.535 5.969	BGT-kar/228	12.6	-15.0	0.6	0.0	0.6	-2.5	19.6
E37	Element: 71767 Node: 28384	60.000 21.474 9.699	BGT-kar/229	-32.2	-137.0	8.5	-1.2	9.5	3.4	141.0
E38	Element: 72230 Node: 1037	60.000 36.250 13.250	BGT-kar/38	-54.5	-28.8	-1.4	-0.8	0.1	4.2	61.7
E38	Element: 72230 Node: 1037	60.000 36.250 13.250	BGT-kar/7	86.1	-134.0	-8.8	-6.4	-0.1	-6.5	159.5
E38	Element: 72247 Node: 1038	60.000 40.600 8.900	BGT-kar/76	58.1	-162.0	10.3	-1.0	-12.4	-6.4	172.4
E38	Element: 72247 Node: 1038	60.000 40.600 8.900	BGT-kar/50	-36.5	-10.7	0.6	-0.4	-1.0	4.1	38.0
E38	Element: 72230 Node: 1037	60.000 36.250 13.250	BGT-kar/154	49.3	-139.1	-32.7	-6.6	0.0	-3.6	151.1
E38	Element: 72248	60.000 40.581	BGT-kar/155	22.4	-143.0	38.9	-1.3	-13.0	-2.1	149.9

Name	Mesh	Position [m]	Case	u _x [mm]	u _y [mm]	u _z [mm]	φ _x [mrad]	φ _y [mrad]	φ _z [mrad]	U _{total} [mm]
	Node: 44339	8.499								
E38	Element: 72230 Node: 1037	60.000 36.250 13.250	BGT-kar/230	30.3	-139.4	1.2	-6.9	0.0	-2.2	142.6
E38	Element: 72259 Node: 44350	60.000 38.189 5.006	BGT-kar/231	23.6	-146.6	-5.1	7.7	1.5	-4.7	148.6
E38	Element: 72248 Node: 44339	60.000 40.581 8.499	BGT-kar/123	20.7	-148.0	-0.6	-1.3	-13.3	-2.3	149.4
E38	Element: 72280 Node: 44371	60.000 31.919 8.499	BGT-kar/232	31.4	-118.0	-0.2	-1.3	13.3	-3.5	122.1
E38	Element: 72268 Node: 44359	60.000 34.679 4.844	BGT-kar/7	31.5	-123.5	-4.4	6.4	-0.6	-6.5	127.5
E38	Element: 72260 Node: 44351	60.000 37.821 4.844	BGT-kar/38	-19.6	-22.2	-0.4	0.3	-0.3	4.2	29.6
E38	Element: 72257 Node: 44348	60.000 38.871 5.428	BGT-kar/3	-11.7	-18.1	0.1	0.2	-0.4	2.3	21.6
E38	Element: 72243 Node: 39210	60.000 40.306 10.471	BGT-kar/76	68.3	-160.3	5.8	-1.9	-6.0	-6.5	174.4
E39	Element: 72746 Node: 1053	60.000 47.750 13.250	BGT-kar/82	-89.4	-136.4	-8.6	-6.4	0.1	6.6	163.3
E39	Element: 72746 Node: 1053	60.000 47.750 13.250	BGT-kar/83	66.6	-24.2	-1.6	-0.8	-0.1	-4.9	70.8
E39	Element: 72797 Node: 1052	60.000 43.400 8.900	BGT-kar/92	-61.0	-164.9	10.4	-1.0	12.4	6.5	176.1
E39	Element: 72797 Node: 1052	60.000 43.400 8.900	BGT-kar/93	45.2	-2.8	0.5	-0.4	1.0	-4.9	45.3
E39	Element: 72746 Node: 1053	60.000 47.750 13.250	BGT-kar/164	-55.5	-142.6	-32.6	-6.7	0.0	3.9	156.5
E39	Element: 72764 Node: 55137	60.000 52.081 8.499	BGT-kar/165	-9.9	-124.5	39.0	-1.3	-13.0	1.4	130.8
E39	Element: 72746 Node: 1053	60.000 47.750 13.250	BGT-kar/113	-55.8	-137.0	2.1	-6.9	0.0	3.9	147.9
E39	Element: 72785 Node: 55158	60.000 45.811 5.006	BGT-kar/174	-19.6	-142.2	-5.0	7.7	-1.5	3.9	143.6
E39	Element: 72764 Node: 55137	60.000 52.081 8.499	BGT-kar/233	-37.1	-119.4	-0.9	-1.3	-13.3	3.9	125.1
E39	Element: 72796 Node: 55169	60.000 43.418 8.499	BGT-kar/234	-12.3	-140.5	-1.5	-1.3	13.3	1.3	141.0
E39	Element: 72784 Node: 55157	60.000 46.178 4.844	BGT-kar/83	25.2	-16.4	-0.4	0.3	0.3	-4.9	30.1
E39	Element: 72776 Node: 55149	60.000 49.321 4.844	BGT-kar/82	-34.1	-125.8	-4.2	6.4	0.6	6.6	130.4
E39	Element: 72790 Node: 55163	60.000 44.278 6.279	BGT-kar/42	13.0	-17.7	1.1	-0.2	0.8	-2.3	22.0
E39	Element: 72802 Node: 49983	60.000 43.856 10.839	BGT-kar/92	-73.8	-162.1	4.3	-2.5	4.4	6.6	178.2

Name	Mesh	Position [m]	Case	u _x [mm]	u _y [mm]	u _z [mm]	φ _x [mrad]	φ _y [mrad]	φ _z [mrad]	U _{total} [mm]
E40	Element: 73262 Node: 1069	60.000 58.250 13.250	BGT-kar/92	-66.2	-24.9	-0.9	-0.7	0.1	4.8	70.8
E40	Element: 73262 Node: 1069	60.000 58.250 13.250	BGT-kar/93	88.2	-135.5	-9.3	-6.4	-0.1	-6.5	162.0
E40	Element: 73279 Node: 1070	60.000 62.600 8.900	BGT-kar/100	59.9	-164.4	10.4	-1.0	-12.4	-6.5	175.2
E40	Element: 73279 Node: 1070	60.000 62.600 8.900	BGT-kar/107	-44.9	-3.1	0.6	-0.4	-1.0	4.8	45.0
E40	Element: 73262 Node: 1069	60.000 58.250 13.250	BGT-kar/179	18.5	-141.8	-32.3	-6.6	0.0	-1.4	146.6
E40	Element: 73280 Node: 65935	60.000 62.581 8.499	BGT-kar/187	39.4	-148.0	38.8	-1.3	-13.1	-3.9	157.9
E40	Element: 73262 Node: 1069	60.000 58.250 13.250	BGT-kar/212	18.3	-135.8	1.8	-6.9	0.0	-1.4	137.0
E40	Element: 73291 Node: 65946	60.000 60.189 5.006	BGT-kar/190	19.2	-141.8	-5.1	7.7	1.5	-3.8	143.2
E40	Element: 73280 Node: 65935	60.000 62.581 8.499	BGT-kar/88	12.1	-140.5	-1.3	-1.3	-13.3	-1.4	141.0
E40	Element: 73312 Node: 65967	60.000 53.919 8.499	BGT-kar/235	36.5	-119.1	-0.8	-1.3	13.3	-4.0	124.5
E40	Element: 73300 Node: 65955	60.000 56.679 4.844	BGT-kar/94	33.2	-125.7	-4.3	6.4	-0.6	-6.5	130.1
E40	Element: 73292 Node: 65947	60.000 59.821 4.844	BGT-kar/96	-25.3	-16.6	-0.4	0.3	-0.3	4.9	30.2
E40	Element: 73289 Node: 65944	60.000 60.871 5.428	BGT-kar/236	-11.2	-19.2	0.1	0.2	-0.4	2.3	22.2
E40	Element: 73275 Node: 60806	60.000 62.306 10.471	BGT-kar/100	70.1	-162.7	5.9	-1.9	-6.0	-6.5	177.2
E41	Element: 73778 Node: 1093	8.250 4.250 -0.500	BGT-kar/110	-4.0	0.1	-16.5	0.4	-0.2	0.0	17.0
E41	Element: 73778 Node: 1093	8.250 4.250 -0.500	BGT-kar/2	4.5	0.1	-45.3	1.9	1.3	0.0	45.5
E41	Element: 73778 Node: 1095	8.000 5.250 -0.500	BGT-kar/3	0.2	-4.7	-46.4	2.3	1.0	0.0	46.6
E41	Element: 73778 Node: 1094	8.000 4.250 -0.500	BGT-kar/4	0.4	4.9	-12.8	0.0	0.2	0.0	13.7
E41	Element: 73778 Node: 1093	8.250 4.250 -0.500	BGT-kar/8	-3.4	-0.3	-50.5	2.1	0.6	0.0	50.6
E41	Element: 73778 Node: 1095	8.000 5.250 -0.500	BGT-kar/191	-0.1	4.2	-17.3	-1.8	0.2	0.0	17.8
E41	Element: 73778 Node: 1093	8.250 4.250 -0.500	BGT-kar/5	0.7	-3.9	-46.2	4.1	0.9	0.0	46.4
E41	Element: 73778 Node: 1096	8.250 5.250 -0.500	BGT-kar/237	-4.0	0.5	-15.7	0.5	-0.2	0.0	16.2
E41	Element:	8.000	BGT-kar/238	4.5	-0.3	-46.8	2.1	1.3	0.0	47.1

Name	Mesh	Position [m]	Case	u _x [mm]	u _y [mm]	u _z [mm]	φ _x [mrad]	φ _y [mrad]	φ _z [mrad]	U _{total} [mm]
	73778 Node: 1094	4.250 -0.500								
E41	Element: 73778 Node: 1094	8.000 4.250 -0.500	BGT-kar/20	-0.2	4.3	-13.9	0.2	0.2	0.0	14.6
E41	Element: 73778 Node: 1095	8.000 5.250 -0.500	BGT-kar/11	0.7	-4.1	-45.5	2.1	1.0	0.0	45.7
E41	Element: 73778 Node: 1095	8.000 5.250 -0.500	BGT-kar/80	4.0	0.5	-11.0	0.2	0.6	0.0	11.7
E42	Element: 73779 Node: 1097	8.250 10.000 -0.500	BGT-kar/110	-4.0	0.1	-14.5	0.2	-0.2	0.0	15.1
E42	Element: 73779 Node: 1097	8.250 10.000 -0.500	BGT-kar/2	4.5	0.1	-36.0	0.9	1.1	0.0	36.3
E42	Element: 73779 Node: 1099	8.000 11.000 -0.500	BGT-kar/3	0.1	-4.7	-35.4	1.5	0.8	0.0	35.7
E42	Element: 73779 Node: 1098	8.000 10.000 -0.500	BGT-kar/4	0.4	4.9	-13.4	-0.5	0.2	0.0	14.3
E42	Element: 73779 Node: 1097	8.250 10.000 -0.500	BGT-kar/79	-3.4	-0.3	-40.3	0.8	0.4	0.0	40.4
E42	Element: 73779 Node: 1097	8.250 10.000 -0.500	BGT-kar/191	-0.1	4.2	-25.6	-1.7	0.4	0.0	25.9
E42	Element: 73779 Node: 1097	8.250 10.000 -0.500	BGT-kar/5	0.6	-3.9	-24.9	2.8	0.5	0.0	25.2
E42	Element: 73779 Node: 1097	8.250 10.000 -0.500	BGT-kar/237	-4.0	0.5	-13.5	0.3	-0.2	0.0	14.1
E42	Element: 73779 Node: 1099	8.000 11.000 -0.500	BGT-kar/199	4.5	-0.3	-36.1	0.6	1.2	0.0	36.3
E42	Element: 73779 Node: 1098	8.000 10.000 -0.500	BGT-kar/239	-0.1	3.7	-24.8	2.4	0.5	0.0	25.1
E42	Element: 73779 Node: 1099	8.000 11.000 -0.500	BGT-kar/11	0.6	-4.1	-36.6	0.8	0.8	0.0	36.9
E42	Element: 73779 Node: 1099	8.000 11.000 -0.500	BGT-kar/240	4.0	0.5	-9.8	0.3	0.5	0.0	10.6
E43	Element: 73780 Node: 1101	8.250 14.750 -0.500	BGT-kar/110	-4.0	0.1	-14.1	0.0	-0.2	0.0	14.6
E43	Element: 73780 Node: 1101	8.250 14.750 -0.500	BGT-kar/2	4.5	0.1	-34.0	0.2	1.1	0.0	34.3
E43	Element: 73780 Node: 1103	8.000 15.750 -0.500	BGT-kar/3	0.0	-4.7	-29.5	1.3	0.6	0.0	29.8
E43	Element: 73780 Node: 1102	8.000 14.750 -0.500	BGT-kar/4	0.5	4.9	-17.1	-1.0	0.3	0.0	17.8
E43	Element: 73780 Node: 1101	8.250 14.750 -0.500	BGT-kar/79	-3.4	-0.3	-38.8	0.1	0.4	0.0	39.0
E43	Element: 73780 Node: 1104	8.250 15.750 -0.500	BGT-kar/241	0.0	4.2	-19.1	-1.1	0.3	0.0	19.5
E43	Element: 73780	8.250 15.750	BGT-kar/129	0.6	-4.0	-28.7	1.4	0.6	0.0	29.0

Name	Mesh	Position [m]	Case	u_x [mm]	u_y [mm]	u_z [mm]	φ_x [mrad]	φ_y [mrad]	φ_z [mrad]	U_{total} [mm]
E43	Node: 1104	-0.500								
E43	Element: 73780	8.250 15.750	BGT-kar/242	-4.0	0.0	-13.9	0.0	-0.2	0.0	14.5
E43	Node: 1104	-0.500								
E43	Element: 73780	8.250 14.750	BGT-kar/227	4.5	0.2	-34.1	0.2	1.1	0.0	34.4
E43	Node: 1101	-0.500								
E43	Element: 73780	8.000 14.750	BGT-kar/243	0.5	3.9	-17.2	1.3	0.4	0.0	17.6
E43	Node: 1102	-0.500								
E43	Element: 73780	8.000 15.750	BGT-kar/200	0.6	-4.1	-28.5	1.4	0.6	0.0	28.7
E43	Node: 1103	-0.500								
E43	Element: 73780	8.000 15.750	BGT-kar/240	3.9	0.5	-9.0	0.2	0.5	0.0	9.8
E43	Node: 1103	-0.500								
E44	Element: 73781	8.250 21.500	BGT-kar/1	-4.0	0.0	-35.5	-0.1	0.3	0.0	35.7
E44	Node: 1108	-0.500								
E44	Element: 73781	8.250 21.500	BGT-kar/33	4.5	0.2	-11.3	0.0	0.5	0.0	12.2
E44	Node: 1108	-0.500								
E44	Element: 73781	8.000 20.500	BGT-kar/3	0.0	-4.7	-23.0	1.3	0.4	0.0	23.4
E44	Node: 1106	-0.500								
E44	Element: 73781	8.000 20.500	BGT-kar/4	0.5	4.9	-23.5	-1.4	0.4	0.0	24.0
E44	Node: 1106	-0.500								
E44	Element: 73781	8.250 20.500	BGT-kar/224	-3.4	0.2	-38.6	0.1	0.3	0.0	38.8
E44	Node: 1105	-0.500								
E44	Element: 73781	8.250 21.500	BGT-kar/244	0.5	-3.4	-25.2	-1.5	0.5	0.0	25.5
E44	Node: 1108	-0.500								
E44	Element: 73781	8.250 20.500	BGT-kar/245	0.0	3.7	-23.0	1.4	0.4	0.0	23.3
E44	Node: 1105	-0.500								
E44	Element: 73781	8.250 20.500	BGT-kar/242	-4.0	0.0	-13.7	0.0	-0.2	0.0	14.3
E44	Node: 1105	-0.500								
E44	Element: 73781	8.000 21.500	BGT-kar/227	4.5	0.2	-32.8	-0.1	1.1	0.0	33.1
E44	Node: 1107	-0.500								
E44	Element: 73781	8.000 20.500	BGT-kar/243	0.5	3.9	-11.6	0.4	0.2	0.0	12.2
E44	Node: 1106	-0.500								
E44	Element: 73781	8.000 20.500	BGT-kar/246	0.0	-3.6	-34.9	-0.4	0.7	0.0	35.1
E44	Node: 1106	-0.500								
E44	Element: 73781	8.000 20.500	BGT-kar/12	3.9	0.0	-7.9	-0.2	0.6	0.0	8.9
E44	Node: 1106	-0.500								
E45	Element: 73782	8.250 26.250	BGT-kar/1	-4.0	0.0	-36.5	-0.2	0.4	0.0	36.7
E45	Node: 1112	-0.500								
E45	Element: 73782	8.250 26.250	BGT-kar/33	4.5	0.2	-11.5	0.0	0.5	0.0	12.3
E45	Node: 1112	-0.500								
E45	Element: 73782	8.000 26.250	BGT-kar/3	-0.1	-4.7	-16.5	1.0	0.3	0.0	17.2
E45	Node: 1111	-0.500								
E45	Element: 73782	8.000 25.250	BGT-kar/4	0.6	4.9	-30.0	-1.3	0.6	0.0	30.4
E45	Node: 1110	-0.500								
E45	Element: 73782	8.250 26.250	BGT-kar/247	-3.4	0.8	-38.7	-0.1	0.4	0.0	38.9
E45	Node: 1112	-0.500								

Name	Mesh	Position [m]	Case	u _x [mm]	u _y [mm]	u _z [mm]	φ _x [mrad]	φ _y [mrad]	φ _z [mrad]	U _{total} [mm]
E45	Element: 73782 Node: 1109	8.250 25.250 -0.500	BGT-kar/143	0.6	4.4	-28.7	-1.4	0.6	0.0	29.0
E45	Element: 73782 Node: 1109	8.250 25.250 -0.500	BGT-kar/201	-0.1	-4.2	-19.1	1.1	0.3	0.0	19.5
E45	Element: 73782 Node: 1109	8.250 25.250 -0.500	BGT-kar/242	-4.0	0.0	-13.9	0.0	-0.2	0.0	14.5
E45	Element: 73782 Node: 1112	8.250 26.250 -0.500	BGT-kar/227	4.5	0.2	-34.0	-0.2	1.1	0.0	34.3
E45	Element: 73782 Node: 1110	8.000 25.250 -0.500	BGT-kar/76	0.6	4.4	-14.3	-1.4	0.4	0.0	15.0
E45	Element: 73782 Node: 1111	8.000 26.250 -0.500	BGT-kar/200	0.5	-4.1	-21.3	-0.2	0.6	0.0	21.7
E45	Element: 73782 Node: 1110	8.000 25.250 -0.500	BGT-kar/248	3.9	-0.5	-9.0	-0.2	0.5	0.0	9.8
E46	Element: 73783 Node: 1116	8.250 32.000 -0.500	BGT-kar/1	-4.0	0.0	-39.6	-1.2	0.5	0.0	39.8
E46	Element: 73783 Node: 1116	8.250 32.000 -0.500	BGT-kar/33	4.5	0.2	-12.1	-0.3	0.5	0.0	12.9
E46	Element: 73783 Node: 1114	8.000 31.000 -0.500	BGT-kar/3	-0.1	-4.7	-12.8	0.4	0.2	0.0	13.7
E46	Element: 73783 Node: 1114	8.000 31.000 -0.500	BGT-kar/4	0.6	4.9	-37.4	-1.7	0.8	0.0	37.7
E46	Element: 73783 Node: 1116	8.250 32.000 -0.500	BGT-kar/247	-3.5	0.7	-41.2	-1.1	0.5	0.0	41.3
E46	Element: 73783 Node: 1116	8.250 32.000 -0.500	BGT-kar/7	0.6	4.4	-27.9	-3.2	0.6	0.0	28.2
E46	Element: 73783 Node: 1116	8.250 32.000 -0.500	BGT-kar/38	-0.1	-4.2	-23.9	1.7	0.4	0.0	24.2
E46	Element: 73783 Node: 1113	8.250 31.000 -0.500	BGT-kar/249	-4.0	-0.5	-13.5	-0.3	-0.2	0.0	14.1
E46	Element: 73783 Node: 1115	8.000 32.000 -0.500	BGT-kar/250	4.5	0.8	-37.6	-1.0	1.2	0.0	37.9
E46	Element: 73783 Node: 1114	8.000 31.000 -0.500	BGT-kar/10	0.6	4.4	-13.6	-0.3	0.2	0.0	14.3
E46	Element: 73783 Node: 1114	8.000 31.000 -0.500	BGT-kar/43	-0.1	-4.2	-36.6	-1.0	0.8	0.0	36.9
E46	Element: 73783 Node: 1114	8.000 31.000 -0.500	BGT-kar/248	3.9	-0.5	-10.1	-0.3	0.5	0.0	10.9
E47	Element: 73784 Node: 1120	8.250 36.750 -0.500	BGT-kar/1	-4.0	0.0	-47.8	-1.9	0.6	0.0	48.0
E47	Element: 73784 Node: 1120	8.250 36.750 -0.500	BGT-kar/33	4.5	0.2	-13.8	-0.4	0.6	0.0	14.5
E47	Element: 73784 Node: 1119	8.000 36.750 -0.500	BGT-kar/3	-0.2	-4.7	-12.2	0.0	0.2	0.0	13.1
E47	Element:	8.000	BGT-kar/4	0.6	4.9	-46.9	-2.3	1.0	0.0	47.1

Name	Mesh	Position [m]	Case	u _x [mm]	u _y [mm]	u _z [mm]	φ _x [mrad]	φ _y [mrad]	φ _z [mrad]	U _{total} [mm]
	73784 Node: 1118	35.750 -0.500								
E47	Element: 73784 Node: 1120	8.250 36.750 -0.500	BGT-kar/251	-3.5	0.8	-50.4	-2.1	0.6	0.0	50.5
E47	Element: 73784 Node: 1120	8.250 36.750 -0.500	BGT-kar/7	0.7	4.4	-46.2	-4.1	0.9	0.0	46.4
E47	Element: 73784 Node: 1119	8.000 36.750 -0.500	BGT-kar/38	-0.2	-4.2	-15.4	1.8	0.2	0.0	16.0
E47	Element: 73784 Node: 1117	8.250 35.750 -0.500	BGT-kar/249	-4.0	-0.5	-15.7	-0.5	-0.2	0.0	16.2
E47	Element: 73784 Node: 1119	8.000 36.750 -0.500	BGT-kar/250	4.5	0.8	-45.1	-1.8	1.3	0.0	45.3
E47	Element: 73784 Node: 1118	8.000 35.750 -0.500	BGT-kar/10	0.7	4.4	-15.7	-0.6	0.2	0.0	16.3
E47	Element: 73784 Node: 1119	8.000 36.750 -0.500	BGT-kar/11	0.3	-4.0	-45.7	-1.7	0.9	0.0	45.9
E47	Element: 73784 Node: 1118	8.000 35.750 -0.500	BGT-kar/252	3.9	-0.5	-10.9	-0.2	0.6	0.0	11.6
E48	Element: 73785 Node: 1121	8.250 47.250 -0.500	BGT-kar/110	-4.5	0.2	-16.2	0.3	-0.2	0.0	16.8
E48	Element: 73785 Node: 1121	8.250 47.250 -0.500	BGT-kar/111	5.1	-0.3	-43.0	1.4	1.4	0.0	43.3
E48	Element: 73785 Node: 1123	8.000 48.250 -0.500	BGT-kar/82	0.7	-6.7	-44.1	4.1	0.9	0.0	44.7
E48	Element: 73785 Node: 1121	8.250 47.250 -0.500	BGT-kar/112	-3.9	-1.7	-49.2	3.9	0.5	0.0	49.3
E48	Element: 73785 Node: 1122	8.000 47.250 -0.500	BGT-kar/83	-0.2	6.5	-10.6	-2.4	0.2	0.0	12.5
E48	Element: 73785 Node: 1121	8.250 47.250 -0.500	BGT-kar/82	0.8	-6.7	-48.5	4.1	0.9	0.0	48.9
E48	Element: 73785 Node: 1121	8.250 47.250 -0.500	BGT-kar/242	-4.5	0.0	-16.1	0.3	-0.2	0.0	16.7
E48	Element: 73785 Node: 1123	8.000 48.250 -0.500	BGT-kar/212	5.1	-0.2	-41.3	1.4	1.4	0.0	41.6
E48	Element: 73785 Node: 1122	8.000 47.250 -0.500	BGT-kar/10	0.3	4.7	-13.8	0.1	0.2	0.0	14.6
E48	Element: 73785 Node: 1123	8.000 48.250 -0.500	BGT-kar/89	0.8	-5.2	-44.1	1.6	1.0	0.0	44.4
E48	Element: 73785 Node: 1122	8.000 47.250 -0.500	BGT-kar/253	4.5	1.5	-9.8	-2.2	0.7	0.0	10.9
E49	Element: 73786 Node: 1128	8.250 54.000 -0.500	BGT-kar/95	-4.4	0.0	-40.3	-0.4	0.5	0.0	40.6
E49	Element: 73786 Node: 1125	8.250 53.000 -0.500	BGT-kar/254	5.0	-0.3	-11.9	0.0	0.6	0.0	12.9
E49	Element: 73786	8.000 53.000	BGT-kar/82	0.5	-6.7	-26.4	3.2	0.5	0.0	27.2

Name	Mesh	Position [m]	Case	u_x [mm]	u_y [mm]	u_z [mm]	φ_x [mrad]	φ_y [mrad]	φ_z [mrad]	U_{total} [mm]
E49	Node: 1126 Element: 73786	-0.500 8.000 53.000	BGT-kar/83	0.0	6.5	-25.6	-3.3	0.5	0.0	26.4
E49	Node: 1126 Element: 73786	-0.500 8.250 54.000	BGT-kar/255	-3.9	-0.1	-41.1	-0.4	0.5	0.0	41.3
E49	Node: 1128 Element: 73786	-0.500 8.250 54.000	BGT-kar/94	0.6	6.2	-29.9	-3.5	0.6	0.0	30.5
E49	Node: 1125 Element: 73786	-0.500 8.250 53.000	BGT-kar/92	0.5	-6.7	-26.3	3.2	0.5	0.0	27.2
E49	Node: 1125 Element: 73786	-0.500 8.250 53.000	BGT-kar/242	-4.4	0.0	-14.9	0.0	-0.2	0.0	15.5
E49	Node: 1127 Element: 73786	-0.500 8.000 54.000	BGT-kar/212	5.0	-0.2	-37.2	-0.3	1.3	0.0	37.5
E49	Node: 1126 Element: 73786	-0.500 8.000 53.000	BGT-kar/20	0.0	5.0	-13.2	-0.2	0.2	0.0	14.1
E49	Node: 1126 Element: 73786	-0.500 8.000 53.000	BGT-kar/89	0.5	-5.2	-38.8	0.0	0.8	0.0	39.1
E49	Node: 1126 Element: 73786	-0.500 8.000 53.000	BGT-kar/256	4.4	-0.1	-11.2	0.0	0.6	0.0	12.0
E50	Node: 1132 Element: 73787	-0.500 8.250 58.750	BGT-kar/95	-4.5	0.0	-45.7	-1.4	0.5	0.0	45.9
E50	Node: 1129 Element: 73787	-0.500 8.250 57.750	BGT-kar/33	4.9	-0.2	-12.9	-0.3	0.6	0.0	13.8
E50	Node: 1131 Element: 73787	-0.500 8.000 58.750	BGT-kar/82	0.3	-6.7	-11.3	2.4	0.2	0.0	13.1
E50	Node: 1131 Element: 73787	-0.500 8.000 58.750	BGT-kar/83	0.2	6.5	-47.3	-4.1	0.9	0.0	47.8
E50	Node: 1132 Element: 73787	-0.500 8.250 58.750	BGT-kar/257	-3.9	1.4	-49.0	-3.9	0.5	0.0	49.2
E50	Node: 1132 Element: 73787	-0.500 8.250 58.750	BGT-kar/94	0.7	6.2	-48.4	-4.1	0.9	0.0	48.8
E50	Node: 1131 Element: 73787	-0.500 8.000 58.750	BGT-kar/96	-0.2	-6.4	-10.4	2.4	0.2	0.0	12.3
E50	Node: 1132 Element: 73787	-0.500 8.250 58.750	BGT-kar/242	-4.4	0.0	-16.0	-0.3	-0.2	0.0	16.6
E50	Node: 1129 Element: 73787	-0.500 8.250 57.750	BGT-kar/212	4.9	-0.2	-41.5	-1.4	1.4	0.0	41.8
E50	Node: 1131 Element: 73787	-0.500 8.000 58.750	BGT-kar/20	0.2	5.0	-15.5	-0.5	0.2	0.0	16.3
E50	Node: 1131 Element: 73787	-0.500 8.000 58.750	BGT-kar/89	0.3	-5.2	-43.1	-1.1	0.9	0.0	43.4
E50	Node: 1131 Element: 73787	-0.500 8.000 58.750	BGT-kar/258	4.3	-1.6	-9.8	2.2	0.6	0.0	10.8
E51	Node: 81416 Element: 73889	8.133 12.500 0.468	BGT-kar/259	-168.1	-172.9	-7.1	0.7	-6.7	2.8	241.3

Name	Mesh	Position [m]	Case	u_x [mm]	u_y [mm]	u_z [mm]	ϕ_x [mrad]	ϕ_y [mrad]	ϕ_z [mrad]	U_{total} [mm]
E51	Element: 73820 Node: 81346	12.500 9.032 8.133	BGT-kar/116	119.3	-150.8	-6.9	0.7	6.7	2.8	192.5
E51	Element: 73917 Node: 74228	12.500 2.811 12.794	BGT-kar/28	-28.7	-204.8	5.4	4.7	-0.1	0.6	206.9
E51	Element: 73890 Node: 81418	12.500 0.417 8.515	BGT-kar/17	-142.1	-160.9	-18.2	0.8	-6.9	-15.3	215.4
E51	Element: 73788 Node: 1133	12.500 4.750 13.250	BGT-kar/192	-31.2	-192.2	18.3	5.2	0.0	2.3	195.5
E51	Element: 73854 Node: 1135	12.500 4.750 4.550	BGT-kar/138	-9.1	-108.2	6.2	-7.6	0.0	1.8	108.7
E51	Element: 73788 Node: 1133	12.500 4.750 13.250	BGT-kar/260	-53.9	-191.5	7.1	5.3	0.0	4.0	199.1
E51	Element: 73889 Node: 81416	12.500 0.468 8.133	BGT-kar/119	-147.4	-163.9	-7.3	0.9	-7.0	-0.9	220.6
E51	Element: 73820 Node: 81346	12.500 9.032 8.133	BGT-kar/261	98.4	-144.9	-7.8	0.9	7.0	6.6	175.3
E51	Element: 73829 Node: 71650	12.500 7.981 6.217	BGT-kar/118	28.5	-82.1	-2.6	-0.7	3.4	-97.4	86.9
E51	Element: 73880 Node: 71610	12.500 1.519 6.217	BGT-kar/5	-66.8	-99.8	-1.7	-0.7	-3.5	102.8	120.1
E51	Element: 73838 Node: 71644	12.500 7.433 5.669	BGT-kar/21	-1.3	-9.6	-0.2	-0.2	0.4	-3.5	9.7
E51	Element: 73889 Node: 81416	12.500 0.468 8.133	BGT-kar/5	-168.1	-173.6	-6.6	0.7	-6.7	2.8	241.8
E52	Element: 74033 Node: 82624	50.500 0.468 8.133	BGT-kar/13	-166.7	-171.1	6.8	-0.8	6.8	2.9	239.0
E52	Element: 73963 Node: 82557	50.500 9.032 8.133	BGT-kar/116	117.3	-149.0	7.0	-0.8	-6.8	2.7	189.8
E52	Element: 74047 Node: 75943	50.500 2.811 12.794	BGT-kar/28	-29.0	-203.0	-23.8	-4.7	0.1	0.6	206.4
E52	Element: 73984 Node: 71765	50.500 7.358 5.608	BGT-kar/63	-1.5	-9.4	22.6	0.2	-0.4	-1.0	24.5
E52	Element: 73944 Node: 1139	50.500 4.750 13.250	BGT-kar/114	-47.1	-192.2	-26.7	-5.3	0.0	3.4	199.7
E52	Element: 73962 Node: 82556	50.500 9.083 8.515	BGT-kar/115	91.6	-135.2	30.2	-0.9	-6.8	20.6	166.1
E52	Element: 73944 Node: 1139	50.500 4.750 13.250	BGT-kar/138	-24.2	-193.4	-8.1	-5.5	0.0	1.7	195.1
E52	Element: 73998 Node: 1141	50.500 4.750 4.550	BGT-kar/260	-20.1	-102.6	-6.3	7.4	0.0	4.0	104.7
E52	Element: 73963 Node: 82557	50.500 9.032 8.133	BGT-kar/119	85.0	-131.4	7.3	-1.0	-7.0	7.9	156.7
E52	Element: 74033 Node: 82624	50.500 0.468 8.133	BGT-kar/261	-134.5	-161.0	6.8	-1.0	7.0	-2.3	209.9
E52	Element:	50.500	BGT-kar/118	27.5	-81.1	1.7	0.6	-3.4	-96.0	85.6

Name	Mesh	Position [m]	Case	u_x [mm]	u_y [mm]	u_z [mm]	φ_x [mrad]	φ_y [mrad]	φ_z [mrad]	U_{total} [mm]
	73972 Node: 71772	7.981 6.217								
E52	Element: 74023 Node: 71732	50.500 1.519 6.217	BGT-kar/51	-66.2	-98.7	2.6	0.6	3.4	101.6	118.9
E52	Element: 73984 Node: 71764	50.500 7.281 5.548	BGT-kar/262	1.8	-13.6	-0.5	0.4	0.0	-0.8	13.7
E52	Element: 74033 Node: 82624	50.500 0.468 8.133	BGT-kar/51	-166.7	-171.8	7.3	-0.8	6.8	3.0	239.5
E53	Element: 74157 Node: 19419	50.500 10.968 8.133	BGT-kar/127	-143.6	-144.2	6.7	-0.8	6.7	0.2	203.6
E53	Element: 74172 Node: 14299	50.500 13.679 12.956	BGT-kar/23	-1.7	-188.3	-24.7	-4.9	0.0	0.0	190.0
E53	Element: 74108 Node: 71873	50.500 17.858 5.608	BGT-kar/69	-1.6	-7.4	22.6	0.2	-0.4	-1.0	23.9
E53	Element: 74068 Node: 1145	50.500 15.250 13.250	BGT-kar/27	15.6	-182.6	-26.7	-5.3	0.0	-1.1	185.2
E53	Element: 74086 Node: 19362	50.500 19.583 8.515	BGT-kar/115	99.1	-119.8	30.2	-0.9	-6.8	19.8	158.4
E53	Element: 74068 Node: 1145	50.500 15.250 13.250	BGT-kar/138	-2.5	-183.7	-8.1	-5.5	0.0	0.2	183.9
E53	Element: 74122 Node: 1147	50.500 15.250 4.550	BGT-kar/130	-0.3	-83.6	-6.3	7.4	0.0	0.2	83.9
E53	Element: 74087 Node: 19363	50.500 19.532 8.133	BGT-kar/130	115.0	-128.0	6.8	-0.9	-7.0	4.5	172.2
E53	Element: 74157 Node: 19419	50.500 10.968 8.133	BGT-kar/263	-117.6	-141.4	6.7	-1.0	7.0	-4.3	184.1
E53	Element: 74096 Node: 71880	50.500 18.481 6.217	BGT-kar/128	46.0	-76.6	1.8	0.6	-3.5	-98.7	89.4
E53	Element: 74147 Node: 71840	50.500 12.019 6.217	BGT-kar/200	-48.2	-74.6	2.5	0.6	3.4	98.9	88.8
E53	Element: 74106 Node: 71874	50.500 17.933 5.669	BGT-kar/124	-2.8	-12.7	-0.1	0.2	-0.5	-3.6	13.0
E53	Element: 74087 Node: 19363	50.500 19.532 8.133	BGT-kar/126	141.0	-147.3	7.1	-0.8	-6.8	0.0	204.0
E54	Element: 74293 Node: 18491	12.500 10.968 8.133	BGT-kar/264	-144.9	-145.9	-7.2	0.7	-6.7	0.1	205.8
E54	Element: 74322 Node: 12981	12.500 13.679 12.956	BGT-kar/23	-1.4	-190.0	6.1	4.9	0.0	0.0	190.1
E54	Element: 74294 Node: 18492	12.500 10.917 8.515	BGT-kar/24	-100.7	-131.5	-18.1	0.8	-6.9	-19.8	166.7
E54	Element: 74192 Node: 1151	12.500 15.250 13.250	BGT-kar/192	-19.7	-173.2	18.2	5.2	0.0	1.4	175.3
E54	Element: 74258 Node: 1153	12.500 15.250 4.550	BGT-kar/138	-1.2	-98.3	6.2	-7.6	0.0	0.2	98.5
E54	Element: 74192	12.500 15.250	BGT-kar/130	-1.0	-172.4	7.2	5.3	0.0	0.1	172.5

Name	Mesh	Position [m]	Case	u_x [mm]	u_y [mm]	u_z [mm]	φ_x [mrad]	φ_y [mrad]	φ_z [mrad]	U_{total} [mm]
E54	Node: 1151	13.250								
E54	Element: 74293 10.968 Node: 18491	12.500 8.133	BGT-kar/131	-129.1	-140.7	-7.9	0.9	-7.0	-3.1	191.1
E54	Element: 74224 19.532 Node: 18435	12.500 8.133	BGT-kar/146	127.0	-143.2	-7.9	0.9	7.0	3.3	191.6
E54	Element: 74233 18.481 Node: 71998	12.500 6.217	BGT-kar/128	47.0	-77.5	-2.5	-0.7	3.4	-100.0	90.7
E54	Element: 74284 12.019 Node: 71958	12.500 6.217	BGT-kar/129	-48.7	-75.5	-1.9	-0.7	-3.5	100.1	89.9
E54	Element: 74242 17.933 Node: 71992	12.500 5.669	BGT-kar/29	-1.3	-7.5	-0.1	-0.2	0.4	-3.5	7.7
E54	Element: 74224 19.532 Node: 18435	12.500 8.133	BGT-kar/126	142.9	-149.0	-6.8	0.7	6.7	0.2	206.6
E55	Element: 74437 21.468 Node: 30217	50.500 8.133	BGT-kar/50	-140.6	-146.4	6.5	-0.8	6.7	-0.1	203.1
E55	Element: 74352 27.321 Node: 25072	50.500 12.956	BGT-kar/32	2.7	-188.4	-24.7	-4.9	0.0	0.0	190.0
E55	Element: 74421 23.067 Node: 72086	50.500 5.669	BGT-kar/75	1.1	-7.4	22.7	0.2	0.4	3.5	23.8
E55	Element: 74348 25.750 Node: 1157	50.500 13.250	BGT-kar/140	4.0	-185.4	-26.7	-5.3	0.0	-0.3	187.3
E55	Element: 74366 30.083 Node: 30160	50.500 8.515	BGT-kar/141	112.9	-123.5	30.1	-0.9	-6.8	18.3	170.1
E55	Element: 74348 25.750 Node: 1157	50.500 13.250	BGT-kar/265	4.2	-182.1	-8.1	-5.5	0.0	-0.3	182.4
E55	Element: 74402 25.750 Node: 1159	50.500 4.550	BGT-kar/266	0.3	-85.0	-6.3	7.4	0.0	-0.1	85.3
E55	Element: 74367 30.032 Node: 30161	50.500 8.133	BGT-kar/267	118.1	-140.5	6.8	-0.9	-7.0	4.0	183.7
E55	Element: 74437 21.468 Node: 30217	50.500 8.133	BGT-kar/266	-114.8	-129.4	6.8	-1.0	7.0	-4.5	173.1
E55	Element: 74376 28.981 Node: 72120	50.500 6.217	BGT-kar/143	48.4	-74.6	2.5	0.6	-3.5	-99.0	89.0
E55	Element: 74427 22.519 Node: 72080	50.500 6.217	BGT-kar/50	-46.0	-76.5	1.9	0.6	3.4	98.5	89.3
E55	Element: 74421 23.067 Node: 72086	50.500 5.669	BGT-kar/124	2.8	-12.7	-0.1	0.2	0.4	3.6	13.0
E55	Element: 74367 30.032 Node: 30161	50.500 8.133	BGT-kar/143	143.9	-145.0	7.2	-0.8	-6.8	-0.3	204.4
E56	Element: 74573 21.468 Node: 29289	12.500 8.133	BGT-kar/144	-141.9	-148.1	-7.4	0.7	-6.7	-0.3	205.2
E56	Element: 74476 27.321 Node: 23732	12.500 12.956	BGT-kar/32	3.0	-190.0	6.1	4.9	0.0	0.0	190.1
E56	Element: 74574 21.417 Node: 29290	12.500 8.515	BGT-kar/34	-108.3	-138.0	-18.1	0.8	-6.9	-19.0	176.3

Name	Mesh	Position [m]	Case	u _x [mm]	u _y [mm]	u _z [mm]	φ _x [mrad]	φ _y [mrad]	φ _z [mrad]	U _{total} [mm]
E56	Element: 74472 Node: 1163	12.500 25.750 13.250	BGT-kar/203	1.2	-170.3	18.2	5.2	0.0	-0.1	171.3
E56	Element: 74538 Node: 1165	12.500 25.750 4.550	BGT-kar/265	1.7	-96.8	6.2	-7.6	0.0	-0.3	97.0
E56	Element: 74472 Node: 1163	12.500 25.750 13.250	BGT-kar/266	1.8	-173.8	7.2	5.3	0.0	-0.1	174.0
E56	Element: 74573 Node: 29289	12.500 21.468 8.133	BGT-kar/267	-114.3	-139.9	-7.9	0.9	-7.0	-4.8	180.8
E56	Element: 74504 Node: 29233	12.500 30.032 8.133	BGT-kar/266	118.2	-132.3	-7.8	0.9	7.0	4.3	177.5
E56	Element: 74513 Node: 72238	12.500 28.981 6.217	BGT-kar/143	49.4	-75.6	-1.8	-0.7	3.4	-100.3	90.3
E56	Element: 74564 Node: 72198	12.500 22.519 6.217	BGT-kar/144	-46.4	-77.4	-2.5	-0.7	-3.5	99.8	90.3
E56	Element: 74557 Node: 72204	12.500 23.067 5.669	BGT-kar/37	1.3	-7.5	-0.2	-0.2	-0.5	3.5	7.7
E56	Element: 74504 Node: 29233	12.500 30.032 8.133	BGT-kar/143	145.9	-146.8	-6.7	0.7	6.7	-0.2	207.1
E57	Element: 74717 Node: 41015	50.500 31.968 8.133	BGT-kar/246	-117.0	-148.0	6.4	-0.8	6.7	-2.8	188.8
E57	Element: 74633 Node: 35871	50.500 38.189 12.794	BGT-kar/35	30.0	-203.0	-23.9	-4.7	-0.1	-0.6	206.6
E57	Element: 74701 Node: 72326	50.500 33.567 5.669	BGT-kar/268	1.1	-9.3	22.6	0.2	0.4	3.5	24.5
E57	Element: 74628 Node: 1169	50.500 36.250 13.250	BGT-kar/154	49.5	-191.9	-26.8	-5.3	0.0	-3.6	200.0
E57	Element: 74646 Node: 40958	50.500 40.583 8.515	BGT-kar/155	131.9	-154.3	30.1	-0.9	-6.8	16.2	205.2
E57	Element: 74628 Node: 1169	50.500 36.250 13.250	BGT-kar/269	30.6	-194.7	-8.1	-5.5	0.0	-2.2	197.3
E57	Element: 74682 Node: 1171	50.500 36.250 4.550	BGT-kar/131	18.0	-101.0	-6.4	7.4	0.0	-3.6	102.8
E57	Element: 74647 Node: 40959	50.500 40.532 8.133	BGT-kar/159	135.6	-161.6	6.8	-1.0	-7.0	2.0	211.0
E57	Element: 74717 Node: 41015	50.500 31.968 8.133	BGT-kar/270	-85.1	-131.8	7.2	-1.0	7.0	-7.9	157.1
E57	Element: 74656 Node: 72360	50.500 39.481 6.217	BGT-kar/7	66.5	-98.6	2.6	0.6	-3.5	-101.7	118.9
E57	Element: 74707 Node: 72320	50.500 33.019 6.217	BGT-kar/246	-27.6	-80.9	1.7	0.6	3.4	95.9	85.5
E57	Element: 74694 Node: 40997	50.500 33.754 5.337	BGT-kar/271	-3.6	-12.6	-0.6	0.6	0.0	-0.9	13.1
E57	Element: 74647 Node: 40959	50.500 40.532 8.133	BGT-kar/7	167.1	-171.9	7.2	-0.8	-6.8	-3.0	239.8
E58	Element:	12.500	BGT-kar/158	-118.3	-149.8	-7.5	0.7	-6.7	-3.0	191.0

Name	Mesh	Position [m]	Case	u _x [mm]	u _y [mm]	u _z [mm]	φ _x [mrad]	φ _y [mrad]	φ _z [mrad]	U _{total} [mm]
	74853 Node: 40087	31.968 8.133								
E58	Element: 74757 Node: 34531	12.500 38.189 12.794	BGT-kar/35	30.4	-204.7	5.3	4.6	0.1	-0.6	207.1
E58	Element: 74854 Node: 40088	12.500 31.917 8.515	BGT-kar/41	-78.5	-130.3	-18.2	0.8	-6.9	-22.3	153.2
E58	Element: 74752 Node: 1175	12.500 36.250 13.250	BGT-kar/206	30.0	-192.2	18.2	5.2	0.0	-2.1	195.4
E58	Element: 74818 Node: 1177	12.500 36.250 4.550	BGT-kar/269	11.8	-109.5	6.2	-7.6	0.0	-2.2	110.3
E58	Element: 74752 Node: 1175	12.500 36.250 13.250	BGT-kar/131	50.0	-189.9	7.0	5.3	0.0	-3.6	196.5
E58	Element: 74853 Node: 40087	12.500 31.968 8.133	BGT-kar/267	-100.1	-143.9	-8.0	0.9	-7.0	-6.4	175.5
E58	Element: 74784 Node: 40031	12.500 40.532 8.133	BGT-kar/272	151.3	-166.8	-7.3	0.9	7.0	0.6	225.3
E58	Element: 74793 Node: 72478	12.500 39.481 6.217	BGT-kar/7	67.6	-99.8	-1.8	-0.7	3.4	-103.0	120.5
E58	Element: 74844 Node: 72438	12.500 33.019 6.217	BGT-kar/158	-27.9	-81.9	-2.7	-0.7	-3.5	97.1	86.6
E58	Element: 74837 Node: 72444	12.500 33.567 5.669	BGT-kar/44	1.3	-9.6	-0.2	-0.2	-0.5	3.5	9.6
E58	Element: 74784 Node: 40031	12.500 40.532 8.133	BGT-kar/7	169.1	-173.8	-6.6	0.7	6.7	-2.9	242.6
E59	Element: 74997 Node: 51813	50.500 43.468 8.133	BGT-kar/82	-169.9	-174.6	7.4	-0.8	6.8	3.1	243.7
E59	Element: 74927 Node: 51757	50.500 52.032 8.133	BGT-kar/273	122.4	-148.0	6.4	-0.8	-6.8	2.2	192.1
E59	Element: 75010 Node: 46691	50.500 45.460 12.598	BGT-kar/167	-52.8	-204.2	-22.9	-4.4	0.3	-0.1	212.2
E59	Element: 74981 Node: 72566	50.500 45.067 5.669	BGT-kar/97	16.6	-3.8	22.7	0.2	0.4	1.4	28.4
E59	Element: 74908 Node: 1181	50.500 47.750 13.250	BGT-kar/164	-55.4	-195.5	-26.7	-5.3	0.0	3.9	205.0
E59	Element: 74926 Node: 51756	50.500 52.083 8.515	BGT-kar/165	99.5	-135.7	30.2	-0.9	-6.8	19.7	171.0
E59	Element: 74908 Node: 1181	50.500 47.750 13.250	BGT-kar/176	-55.9	-192.4	-8.1	-5.5	0.0	4.0	200.5
E59	Element: 74962 Node: 1183	50.500 47.750 4.550	BGT-kar/274	-6.9	-103.5	-6.3	7.4	0.0	1.4	103.9
E59	Element: 74927 Node: 51757	50.500 52.032 8.133	BGT-kar/169	103.7	-143.3	7.4	-1.0	-7.0	5.7	177.0
E59	Element: 74997 Node: 51813	50.500 43.468 8.133	BGT-kar/275	-151.2	-166.2	6.8	-1.0	7.0	-0.5	224.8
E59	Element: 74936	50.500 50.981	BGT-kar/273	31.7	-80.1	1.7	0.6	-3.5	-96.6	86.2

Name	Mesh	Position [m]	Case	u_x [mm]	u_y [mm]	u_z [mm]	φ_x [mrad]	φ_y [mrad]	φ_z [mrad]	U_{total} [mm]
E59	Node: 72600 Element: 74987 Node: 72560	6.217 50.500 44.519 6.217	BGT-kar/82	-69.0	-101.2	2.7	0.6	3.4	101.9	122.5
E59	Element: 75016 Node: 72563	50.500 44.850 5.862	BGT-kar/276	7.3	-10.6	0.1	0.4	0.2	13.2	12.9
E60	Element: 75133 Node: 50885	12.500 43.468 8.133	BGT-kar/84	-171.6	-176.6	-6.5	0.7	-6.7	2.9	246.3
E60	Element: 75064 Node: 50829	12.500 52.032 8.133	BGT-kar/273	124.6	-149.9	-7.4	0.7	6.7	2.3	195.1
E60	Element: 75160 Node: 45373	12.500 45.460 12.598	BGT-kar/167	-52.4	-206.2	4.4	4.4	-0.3	0.1	212.8
E60	Element: 75117 Node: 72684	12.500 45.067 5.669	BGT-kar/277	16.8	-4.1	-0.1	-0.2	-0.5	1.4	17.3
E60	Element: 75134 Node: 50886	12.500 43.417 8.515	BGT-kar/177	-148.0	-166.6	-19.0	0.8	-6.9	-14.7	223.7
E60	Element: 75032 Node: 1187	12.500 47.750 13.250	BGT-kar/210	-19.0	-188.9	19.1	5.2	0.0	1.4	190.8
E60	Element: 75098 Node: 1189	12.500 47.750 4.550	BGT-kar/176	-21.6	-107.2	6.2	-7.6	0.0	3.9	109.5
E60	Element: 75032 Node: 1187	12.500 47.750 13.250	BGT-kar/274	-18.2	-192.6	7.1	5.3	0.0	1.4	193.5
E60	Element: 75133 Node: 50885	12.500 43.468 8.133	BGT-kar/169	-129.0	-157.0	-7.3	0.9	-7.0	-3.1	203.4
E60	Element: 75064 Node: 50829	12.500 52.032 8.133	BGT-kar/275	81.9	-134.7	-7.8	0.9	7.0	8.4	157.8
E60	Element: 75073 Node: 72718	12.500 50.981 6.217	BGT-kar/168	32.8	-81.2	-2.6	-0.7	3.4	-98.0	87.6
E60	Element: 75124 Node: 72678	12.500 44.519 6.217	BGT-kar/84	-69.7	-102.4	-1.7	-0.7	-3.5	103.2	123.9
E60	Element: 75082 Node: 72712	12.500 50.433 5.669	BGT-kar/213	-2.8	-10.5	-0.2	-0.2	0.4	-3.4	10.9
E61	Element: 75277 Node: 62611	50.500 53.968 8.133	BGT-kar/89	-122.3	-148.2	6.9	-0.8	6.8	-2.3	192.3
E61	Element: 75207 Node: 62555	50.500 62.532 8.133	BGT-kar/93	169.1	-173.5	6.8	-0.8	-6.8	-3.0	242.4
E61	Element: 75194 Node: 57468	50.500 60.540 12.598	BGT-kar/103	52.6	-204.0	-22.6	-4.3	-0.3	0.1	211.9
E61	Element: 75226 Node: 72834	50.500 60.933 5.669	BGT-kar/101	-16.8	-3.7	22.6	0.1	-0.4	-1.4	28.4
E61	Element: 75188 Node: 1193	50.500 58.250 13.250	BGT-kar/179	18.7	-194.1	-26.4	-5.3	0.0	-1.4	196.8
E61	Element: 75207 Node: 62555	50.500 62.532 8.133	BGT-kar/187	152.1	-160.4	30.0	-1.0	-6.9	0.6	223.1
E61	Element: 75188 Node: 1193	50.500 58.250 13.250	BGT-kar/169	18.6	-191.1	-8.2	-5.5	0.0	-1.4	192.2

Name	Mesh	Position [m]	Case	u_x [mm]	u_y [mm]	u_z [mm]	ϕ_x [mrad]	ϕ_y [mrad]	ϕ_z [mrad]	U_{total} [mm]
E61	Element: 75242 Node: 1195	50.500 58.250 -4.550	BGT-kar/182	21.3	-104.4	-6.4	7.4	0.0	-3.9	106.7
E61	Element: 75207 Node: 62555	50.500 62.532 8.133	BGT-kar/183	127.4	-154.1	6.7	-1.0	-7.0	3.0	200.0
E61	Element: 75277 Node: 62611	50.500 53.968 8.133	BGT-kar/278	-80.2	-132.9	7.3	-1.0	7.0	-8.4	155.4
E61	Element: 75216 Node: 72840	50.500 61.481 6.217	BGT-kar/94	68.2	-100.9	2.6	0.6	-3.5	-101.7	121.8
E61	Element: 75267 Node: 72800	50.500 55.019 6.217	BGT-kar/279	-31.7	-80.0	1.6	0.6	3.4	96.3	86.0
E61	Element: 75222 Node: 72837	50.500 61.150 5.862	BGT-kar/280	-7.5	-10.5	0.0	0.4	-0.2	-12.9	12.9
E61	Element: 75207 Node: 62555	50.500 62.532 8.133	BGT-kar/94	168.9	-174.2	7.3	-0.8	-6.8	-3.0	242.7
E62	Element: 75413 Node: 61683	12.500 53.968 8.133	BGT-kar/180	-123.7	-150.0	-7.0	0.7	-6.7	-2.5	194.5
E62	Element: 75344 Node: 61627	12.500 62.532 8.133	BGT-kar/93	171.3	-175.4	-7.1	0.7	6.7	-2.9	245.3
E62	Element: 75318 Node: 56128	12.500 60.540 12.598	BGT-kar/103	53.0	-204.2	4.7	4.4	0.2	0.1	211.0
E62	Element: 75361 Node: 1078	12.500 61.000 5.530	BGT-kar/96	-28.1	-5.7	-0.8	-0.2	0.2	5.5	28.7
E62	Element: 75414 Node: 61684	12.500 53.917 8.515	BGT-kar/88	-98.6	-142.4	-18.9	0.8	-6.9	-20.0	174.3
E62	Element: 75312 Node: 1199	12.500 58.250 13.250	BGT-kar/214	55.1	-189.6	18.8	5.2	0.0	-3.9	198.4
E62	Element: 75378 Node: 1201	12.500 58.250 4.550	BGT-kar/169	6.8	-105.9	6.2	-7.6	0.0	-1.4	106.3
E62	Element: 75312 Node: 1199	12.500 58.250 13.250	BGT-kar/182	56.3	-193.3	7.1	5.3	0.0	-3.9	201.5
E62	Element: 75413 Node: 61683	12.500 53.968 8.133	BGT-kar/183	-105.0	-144.4	-8.0	0.9	-7.0	-5.9	178.7
E62	Element: 75344 Node: 61627	12.500 62.532 8.133	BGT-kar/278	152.7	-168.9	-7.3	0.9	7.0	0.5	227.9
E62	Element: 75353 Node: 72958	12.500 61.481 6.217	BGT-kar/188	69.4	-102.1	-1.7	-0.7	3.4	-103.0	123.5
E62	Element: 75404 Node: 72918	12.500 55.019 6.217	BGT-kar/189	-32.2	-81.0	-2.7	-0.7	-3.5	97.6	87.2
E62	Element: 75397 Node: 72924	12.500 55.567 5.669	BGT-kar/213	2.0	-12.7	-0.2	-0.2	-0.5	4.1	12.9
E62	Element: 75344 Node: 61627	12.500 62.532 8.133	BGT-kar/94	171.0	-176.1	-6.5	0.7	6.7	-2.9	245.6

Name	Combination key
BGT-kar/1	BG101 + BG102 + BG123 + BG143 + BG144 + BG145 + BG146 + BG147
BGT-kar/2	BG101 + BG102 + BG121 + BG143 + BG144 + BG145 + BG146 + BG147 + BG151
BGT-kar/3	BG101 + BG102 + BG124 + BG145 + BG146 + BG147
BGT-kar/4	BG101 + BG102 + BG122 + BG143 + BG144 + BG149 + BG151
BGT-kar/5	BG101 + BG102 + BG124 + BG143 + BG146 + BG147 + BG149 + BG151
BGT-kar/6	BG101 + BG102 + BG123 + BG143 + BG146
BGT-kar/7	BG101 + BG102 + BG122 + BG143 + BG146 + BG147 + BG149 + BG151
BGT-kar/8	BG101 + BG102 + BG123 + BG145 + BG146 + BG147 + BG149 + BG151
BGT-kar/9	BG101 + BG102 + BG121 + BG143 + BG145 + BG146 + BG147 + BG149 + BG151
BGT-kar/10	BG101 + BG102 + BG122 + BG149 + BG151
BGT-kar/11	BG101 + BG102 + BG124 + BG143 + BG144 + BG145 + BG146 + BG147 + BG151
BGT-kar/12	BG101 + BG102 + BG121 + BG143 + BG146
BGT-kar/13	BG101 + BG102 + BG124 + BG143 + BG146 + BG147
BGT-kar/14	BG101 + BG102 + BG122 + BG144 + BG145 + BG149 + BG151
BGT-kar/15	BG101 + BG102 + BG111 + BG143 + BG146 + BG147 + BG149 + BG151
BGT-kar/16	BG101 + BG102 + BG112 + BG144 + BG145
BGT-kar/17	BG101 + BG102 + BG123 + BG144 + BG146 + BG147 + BG149
BGT-kar/18	BG101 + BG102 + BG121 + BG143 + BG145 + BG151
BGT-kar/19	BG101 + BG102 + BG121 + BG143 + BG145 + BG149 + BG151
BGT-kar/20	BG101 + BG102 + BG122 + BG149
BGT-kar/21	BG101 + BG102 + BG112 + BG143 + BG144
BGT-kar/22	BG101 + BG102 + BG122 + BG143 + BG144 + BG145 + BG149 + BG151
BGT-kar/23	BG101 + BG102 + BG111 + BG144 + BG145 + BG146 + BG147 + BG149 + BG151
BGT-kar/24	BG101 + BG102 + BG123 + BG144 + BG145 + BG147 + BG149
BGT-kar/25	BG101 + BG102 + BG121 + BG143 + BG146 + BG151
BGT-kar/26	BG101 + BG102 + BG121 + BG143 + BG146 + BG149 + BG151
BGT-kar/27	BG101 + BG102 + BG111 + BG144 + BG145 + BG147 + BG149
BGT-kar/28	BG101 + BG102 + BG111 + BG143 + BG145 + BG146 + BG147 + BG149 + BG151
BGT-kar/29	BG101 + BG102 + BG112 + BG143
BGT-kar/30	BG101 + BG102 + BG124 + BG144 + BG145 + BG146
BGT-kar/31	BG101 + BG102 + BG122 + BG143 + BG144 + BG147 + BG149 + BG151
BGT-kar/32	BG101 + BG102 + BG111 + BG143 + BG144 + BG145 + BG147 + BG149 + BG151
BGT-kar/33	BG101 + BG102 + BG121 + BG149 + BG151
BGT-kar/34	BG101 + BG102 + BG123 + BG143 + BG144 + BG145 + BG146 + BG147 + BG149
BGT-kar/35	BG101 + BG102 + BG111 + BG143 + BG144 + BG146 + BG147 + BG149 + BG151
BGT-kar/36	BG101 + BG102 + BG111 + BG144 + BG145 + BG147
BGT-kar/37	BG101 + BG102 + BG112 + BG146
BGT-kar/38	BG101 + BG102 + BG124 + BG144 + BG145
BGT-kar/39	BG101 + BG102 + BG123 + BG143 + BG145 + BG146 + BG147
BGT-kar/40	BG101 + BG102 + BG121 + BG144 + BG149 + BG151
BGT-kar/41	BG101 + BG102 + BG123 + BG143 + BG145 + BG146 + BG147 + BG149
BGT-kar/42	BG101 + BG102 + BG122 + BG147 + BG149 + BG151
BGT-kar/43	BG101 + BG102 + BG124 + BG143 + BG144 + BG145 + BG146 + BG147

Name	Combination key
BGT-kar/44	BG101 + BG102 + BG112 + BG145 + BG146
BGT-kar/45	BG101 + BG102 + BG123 + BG143 + BG144 + BG145 + BG146 + BG151
BGT-kar/46	BG101 + BG102 + BG121 + BG143 + BG144 + BG145 + BG146
BGT-kar/47	BG101 + BG102 + BG124 + BG145 + BG146 + BG147 + BG149
BGT-kar/48	BG101 + BG102 + BG122 + BG143 + BG144 + BG151
BGT-kar/49	BG101 + BG102 + BG124 + BG143 + BG146 + BG151
BGT-kar/50	BG101 + BG102 + BG124 + BG144 + BG145 + BG147
BGT-kar/51	BG101 + BG102 + BG124 + BG143 + BG146 + BG147 + BG151
BGT-kar/52	BG101 + BG102 + BG124 + BG145 + BG146 + BG151
BGT-kar/53	BG101 + BG102 + BG124 + BG143 + BG145 + BG146
BGT-kar/54	BG101 + BG102 + BG124 + BG147 + BG149
BGT-kar/55	BG101 + BG102 + BG123 + BG143 + BG146 + BG147 + BG149
BGT-kar/56	BG101 + BG102 + BG111 + BG143 + BG146 + BG151
BGT-kar/57	BG101 + BG102 + BG112 + BG144 + BG145 + BG147 + BG149
BGT-kar/58	BG101 + BG102 + BG123 + BG147 + BG149 + BG151
BGT-kar/59	BG101 + BG102 + BG123 + BG147 + BG149
BGT-kar/60	BG101 + BG102 + BG121 + BG143 + BG144 + BG145 + BG146 + BG151
BGT-kar/61	BG101 + BG102 + BG112 + BG144 + BG145 + BG149
BGT-kar/62	BG101 + BG102 + BG111 + BG143 + BG146 + BG147 + BG151
BGT-kar/63	BG101 + BG102 + BG112 + BG143 + BG144 + BG147 + BG149
BGT-kar/64	BG101 + BG102 + BG124 + BG145 + BG146 + BG149
BGT-kar/65	BG101 + BG102 + BG122 + BG143 + BG144 + BG145 + BG151
BGT-kar/66	BG101 + BG102 + BG111 + BG144 + BG145 + BG146 + BG151
BGT-kar/67	BG101 + BG102 + BG111 + BG144 + BG145 + BG149
BGT-kar/68	BG101 + BG102 + BG111 + BG143 + BG145 + BG146 + BG151
BGT-kar/69	BG101 + BG102 + BG112 + BG143 + BG147 + BG149
BGT-kar/70	BG101 + BG102 + BG124 + BG144 + BG145 + BG146 + BG149
BGT-kar/71	BG101 + BG102 + BG111 + BG143 + BG144 + BG145 + BG151
BGT-kar/72	BG101 + BG102 + BG121 + BG147 + BG149
BGT-kar/73	BG101 + BG102 + BG111 + BG143 + BG144 + BG146 + BG149 + BG151
BGT-kar/74	BG101 + BG102 + BG111 + BG144 + BG145
BGT-kar/75	BG101 + BG102 + BG112 + BG146 + BG147 + BG149
BGT-kar/76	BG101 + BG102 + BG122 + BG143 + BG146 + BG149 + BG151
BGT-kar/77	BG101 + BG102 + BG111 + BG143 + BG146 + BG149 + BG151
BGT-kar/78	BG101 + BG102 + BG112 + BG144 + BG145 + BG147
BGT-kar/79	BG101 + BG102 + BG123 + BG144 + BG145 + BG146 + BG147 + BG149 + BG151
BGT-kar/80	BG101 + BG102 + BG121 + BG143 + BG144
BGT-kar/81	BG101 + BG102 + BG112 + BG145 + BG146 + BG147
BGT-kar/82	BG101 + BG102 + BG124 + BG142 + BG147 + BG150 + BG151
BGT-kar/83	BG101 + BG102 + BG122 + BG141 + BG149
BGT-kar/84	BG101 + BG102 + BG124 + BG142 + BG147 + BG149 + BG150 + BG151
BGT-kar/85	BG101 + BG102 + BG122 + BG141
BGT-kar/86	BG101 + BG102 + BG123 + BG142 + BG147 + BG149
BGT-kar/87	BG101 + BG102 + BG121 + BG141 + BG150 + BG151
BGT-kar/88	BG101 + BG102 + BG123 + BG141 + BG142 + BG147 + BG149
BGT-kar/89	BG101 + BG102 + BG124 + BG141 + BG142 + BG147 + BG150 + BG151

Name	Combination key
BGT-kar/90	BG101 + BG102 + BG111 + BG142 + BG147 + BG150 + BG151
BGT-kar/91	BG101 + BG102 + BG112 + BG141 + BG149
BGT-kar/92	BG101 + BG102 + BG124 + BG142 + BG150 + BG151
BGT-kar/93	BG101 + BG102 + BG122 + BG141 + BG147 + BG149
BGT-kar/94	BG101 + BG102 + BG122 + BG141 + BG147 + BG149 + BG151
BGT-kar/95	BG101 + BG102 + BG123 + BG141 + BG142 + BG147 + BG150
BGT-kar/96	BG101 + BG102 + BG124 + BG142 + BG150
BGT-kar/97	BG101 + BG102 + BG112 + BG141 + BG147 + BG149
BGT-kar/98	BG101 + BG102 + BG123 + BG147 + BG149 + BG150 + BG151
BGT-kar/99	BG101 + BG102 + BG121 + BG141 + BG142
BGT-kar/100	BG101 + BG102 + BG122 + BG141 + BG149 + BG151
BGT-kar/101	BG101 + BG102 + BG112 + BG142 + BG147 + BG150
BGT-kar/102	BG101 + BG102 + BG123 + BG141 + BG142 + BG147 + BG149 + BG151
BGT-kar/103	BG101 + BG102 + BG111 + BG141 + BG147 + BG149 + BG151
BGT-kar/104	BG101 + BG102 + BG112 + BG142 + BG150
BGT-kar/105	BG101 + BG102 + BG123 + BG141 + BG142 + BG151
BGT-kar/106	BG101 + BG102 + BG124 + BG142 + BG149 + BG150 + BG151
BGT-kar/107	BG101 + BG102 + BG124 + BG142 + BG147 + BG150
BGT-kar/108	BG101 + BG102 + BG124 + BG147 + BG149 + BG151
BGT-kar/109	BG101 + BG102 + BG121 + BG142
BGT-kar/110	BG101 + BG102 + BG123 + BG149
BGT-kar/111	BG101 + BG102 + BG121 + BG141 + BG142 + BG147 + BG150 + BG151
BGT-kar/112	BG101 + BG102 + BG123 + BG142 + BG147 + BG149 + BG150 + BG151
BGT-kar/113	BG101 + BG102 + BG121 + BG142 + BG147 + BG149 + BG150 + BG151
BGT-kar/114	BG101 + BG102 + BG111 + BG144 + BG146 + BG147 + BG149
BGT-kar/115	BG101 + BG102 + BG112 + BG143 + BG145 + BG146 + BG151
BGT-kar/116	BG101 + BG102 + BG122 + BG144 + BG145 + BG146 + BG147 + BG149 + BG151
BGT-kar/117	BG101 + BG102 + BG111 + BG145 + BG146 + BG147 + BG149 + BG151
BGT-kar/118	BG101 + BG102 + BG122 + BG144 + BG145 + BG146 + BG147 + BG149
BGT-kar/119	BG101 + BG102 + BG131 + BG143 + BG144 + BG146 + BG147 + BG149 + BG151
BGT-kar/120	BG101 + BG102 + BG121 + BG143 + BG146 + BG147 + BG149
BGT-kar/121	BG101 + BG102 + BG121 + BG144 + BG145 + BG146 + BG147
BGT-kar/122	BG101 + BG102 + BG131 + BG145 + BG146 + BG147 + BG149 + BG151
BGT-kar/123	BG101 + BG102 + BG123 + BG143 + BG144 + BG146 + BG147 + BG149
BGT-kar/124	BG101 + BG102
BGT-kar/125	BG101 + BG102 + BG124 + BG145 + BG146 + BG147 + BG149 + BG151
BGT-kar/126	BG101 + BG102 + BG122 + BG144 + BG145 + BG147 + BG149 + BG151
BGT-kar/127	BG101 + BG102 + BG124 + BG143 + BG145 + BG146 + BG147
BGT-kar/128	BG101 + BG102 + BG122 + BG144 + BG145 + BG147 + BG149
BGT-kar/129	BG101 + BG102 + BG124 + BG143 + BG145 + BG146 + BG147 + BG149 + BG151
BGT-kar/130	BG101 + BG102 + BG131 + BG143 + BG145 + BG147 + BG149
BGT-kar/131	BG101 + BG102 + BG131 + BG143 + BG145 + BG146 +

Name	Combination key
	BG147 + BG149
BGT-kar/132	BG101 + BG102 + BG121 + BG143 + BG145 + BG146 + BG147 + BG149
BGT-kar/133	BG101 + BG102 + BG121 + BG144 + BG145 + BG147
BGT-kar/134	BG101 + BG102 + BG124 + BG144 + BG145 + BG146 + BG147 + BG149 + BG151
BGT-kar/135	BG101 + BG102 + BG112 + BG143 + BG145 + BG147 + BG149
BGT-kar/136	BG101 + BG102 + BG122 + BG143 + BG145 + BG146 + BG149
BGT-kar/137	BG101 + BG102 + BG122 + BG145 + BG146 + BG147 + BG149 + BG151
BGT-kar/138	BG101 + BG102 + BG131 + BG144 + BG145 + BG146 + BG147 + BG149 + BG151
BGT-kar/139	BG101 + BG102 + BG124 + BG144 + BG145 + BG146 + BG147 + BG151
BGT-kar/140	BG101 + BG102 + BG111 + BG143 + BG144 + BG145 + BG146 + BG147 + BG149
BGT-kar/141	BG101 + BG102 + BG112 + BG144 + BG151
BGT-kar/142	BG101 + BG102 + BG124 + BG144 + BG145 + BG147 + BG149 + BG151
BGT-kar/143	BG101 + BG102 + BG122 + BG143 + BG144 + BG146 + BG147 + BG149 + BG151
BGT-kar/144	BG101 + BG102 + BG124 + BG144 + BG145 + BG147 + BG149
BGT-kar/145	BG101 + BG102 + BG131 + BG143 + BG144 + BG145 + BG147 + BG149
BGT-kar/146	BG101 + BG102 + BG131 + BG144 + BG145 + BG147 + BG149
BGT-kar/147	BG101 + BG102 + BG121 + BG144 + BG145 + BG147 + BG149
BGT-kar/148	BG101 + BG102 + BG121 + BG143 + BG144 + BG146 + BG147
BGT-kar/149	BG101 + BG102 + BG122 + BG143 + BG144 + BG145 + BG147 + BG149 + BG151
BGT-kar/150	BG101 + BG102 + BG112 + BG144 + BG146 + BG147 + BG149
BGT-kar/151	BG101 + BG102 + BG122 + BG144 + BG145 + BG149
BGT-kar/152	BG101 + BG102 + BG123 + BG144 + BG145 + BG146 + BG147 + BG149
BGT-kar/153	BG101 + BG102 + BG124 + BG144 + BG147 + BG151
BGT-kar/154	BG101 + BG102 + BG111 + BG143 + BG145 + BG146 + BG147 + BG149
BGT-kar/155	BG101 + BG102 + BG112 + BG143 + BG144 + BG151
BGT-kar/156	BG101 + BG102 + BG124 + BG143 + BG144 + BG145 + BG147 + BG149 + BG151
BGT-kar/157	BG101 + BG102 + BG111 + BG143 + BG144 + BG147 + BG149 + BG151
BGT-kar/158	BG101 + BG102 + BG124 + BG143 + BG144 + BG145 + BG147 + BG149
BGT-kar/159	BG101 + BG102 + BG131 + BG143 + BG144 + BG146 + BG147 + BG149
BGT-kar/160	BG101 + BG102 + BG121 + BG143 + BG144 + BG145 + BG147 + BG149
BGT-kar/161	BG101 + BG102 + BG121 + BG143 + BG146 + BG147
BGT-kar/162	BG101 + BG102 + BG122 + BG143 + BG144 + BG145 + BG149
BGT-kar/163	BG101 + BG102 + BG131 + BG143 + BG144 + BG145 + BG147 + BG149 + BG151
BGT-kar/164	BG101 + BG102 + BG111 + BG142 + BG147 + BG149 + BG150
BGT-kar/165	BG101 + BG102 + BG112 + BG141 + BG142 + BG151
BGT-kar/166	BG101 + BG102 + BG122 + BG141 + BG142 + BG147 + BG149 + BG151
BGT-kar/167	BG101 + BG102 + BG111 + BG142 + BG147 + BG149 + BG150 + BG151
BGT-kar/168	BG101 + BG102 + BG122 + BG141 + BG142 + BG147 + BG149 + BG150

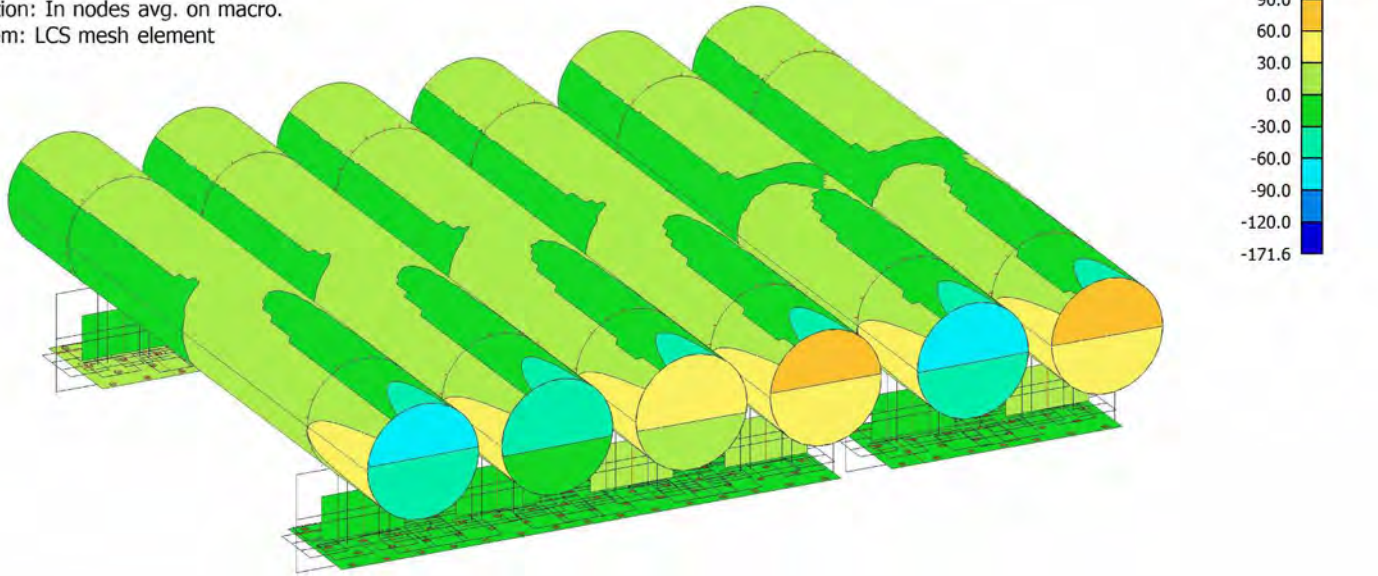
Name	Combination key
BGT-kar/169	BG101 + BG102 + BG131 + BG141 + BG142 + BG147 + BG149 + BG150 + BG151
BGT-kar/170	BG101 + BG102 + BG131 + BG142 + BG147 + BG149 + BG151
BGT-kar/171	BG101 + BG102 + BG121 + BG142 + BG147 + BG149 + BG150
BGT-kar/172	BG101 + BG102 + BG121 + BG141 + BG142 + BG147
BGT-kar/173	BG101 + BG102 + BG112 + BG141 + BG151
BGT-kar/174	BG101 + BG102 + BG124 + BG141 + BG142 + BG150
BGT-kar/175	BG101 + BG102 + BG122 + BG142 + BG147 + BG149 + BG150 + BG151
BGT-kar/176	BG101 + BG102 + BG131 + BG142 + BG147 + BG149 + BG150 + BG151
BGT-kar/177	BG101 + BG102 + BG123 + BG142 + BG147 + BG149 + BG150
BGT-kar/178	BG101 + BG102 + BG122 + BG141 + BG142 + BG147 + BG149 + BG150 + BG151
BGT-kar/179	BG101 + BG102 + BG111 + BG141 + BG142 + BG147 + BG149 + BG150
BGT-kar/180	BG101 + BG102 + BG124 + BG141 + BG142 + BG147 + BG149 + BG150 + BG151
BGT-kar/181	BG101 + BG102 + BG124 + BG141 + BG142 + BG147 + BG149 + BG150
BGT-kar/182	BG101 + BG102 + BG131 + BG141 + BG147 + BG149
BGT-kar/183	BG101 + BG102 + BG131 + BG141 + BG142 + BG147 + BG149
BGT-kar/184	BG101 + BG102 + BG121 + BG141 + BG142 + BG147 + BG149
BGT-kar/185	BG101 + BG102 + BG121 + BG141 + BG147 + BG150
BGT-kar/186	BG101 + BG102 + BG112 + BG142 + BG147 + BG149 + BG151
BGT-kar/187	BG101 + BG102 + BG112 + BG141 + BG149 + BG151
BGT-kar/188	BG101 + BG102 + BG122 + BG141 + BG147 + BG149 + BG150 + BG151
BGT-kar/189	BG101 + BG102 + BG124 + BG141 + BG142 + BG147 + BG149
BGT-kar/190	BG101 + BG102 + BG122 + BG141 + BG142 + BG149
BGT-kar/191	BG101 + BG102 + BG122 + BG144 + BG145
BGT-kar/192	BG101 + BG102 + BG121 + BG143 + BG145 + BG146 + BG151
BGT-kar/193	BG101 + BG102 + BG121 + BG143 + BG144 + BG146 + BG147 + BG149 + BG151
BGT-kar/194	BG101 + BG102 + BG121 + BG145 + BG146 + BG147 + BG149
BGT-kar/195	BG101 + BG102 + BG122 + BG144 + BG149 + BG151
BGT-kar/196	BG101 + BG102 + BG124 + BG143 + BG146
BGT-kar/197	BG101 + BG102 + BG123 + BG143 + BG145
BGT-kar/198	BG101 + BG102 + BG121 + BG143 + BG145 + BG147 + BG149
BGT-kar/199	BG101 + BG102 + BG121 + BG144 + BG145 + BG146 + BG147 + BG149 + BG151
BGT-kar/200	BG101 + BG102 + BG124 + BG143 + BG145 + BG146 + BG147 + BG151
BGT-kar/201	BG101 + BG102 + BG124 + BG145
BGT-kar/202	BG101 + BG102 + BG122 + BG143 + BG146
BGT-kar/203	BG101 + BG102 + BG121 + BG144 + BG151
BGT-kar/204	BG101 + BG102 + BG123 + BG144
BGT-kar/205	BG101 + BG102 + BG121 + BG144 + BG146 + BG147 + BG149 + BG151
BGT-kar/206	BG101 + BG102 + BG121 + BG143 + BG144 + BG151
BGT-kar/207	BG101 + BG102 + BG123 + BG143 + BG145 + BG146
BGT-kar/208	BG101 + BG102 + BG121 + BG143 + BG144 + BG146 + BG147 + BG149
BGT-kar/209	BG101 + BG102 + BG121 + BG143 + BG145 + BG147 + BG149 + BG151
BGT-kar/210	BG101 + BG102 + BG121 + BG141 + BG142 + BG151
BGT-kar/211	BG101 + BG102 + BG123 + BG141 + BG142
BGT-kar/212	BG101 + BG102 + BG121 + BG141 + BG142 + BG147 +

Name	Combination key
	BG149 + BG150 + BG151
BGT-kar/213	BG101 + BG102 + BG112
BGT-kar/214	BG101 + BG102 + BG121 + BG141 + BG151
BGT-kar/215	BG101 + BG102 + BG123 + BG141
BGT-kar/216	BG101 + BG102 + BG121 + BG141 + BG147 + BG149
BGT-kar/217	BG101 + BG102 + BG124
BGT-kar/218	BG101 + BG102 + BG122 + BG143 + BG146 + BG149
BGT-kar/219	BG101 + BG102 + BG123 + BG143 + BG144 + BG146 + BG147 + BG149 + BG151
BGT-kar/220	BG101 + BG102 + BG123 + BG145 + BG146 + BG147 + BG149
BGT-kar/221	BG101 + BG102 + BG122 + BG144 + BG147 + BG149 + BG151
BGT-kar/222	BG101 + BG102 + BG124 + BG144 + BG145 + BG146 + BG151
BGT-kar/223	BG101 + BG102 + BG123 + BG143 + BG145 + BG146 + BG147 + BG149 + BG151
BGT-kar/224	BG101 + BG102 + BG123 + BG144 + BG145 + BG147 + BG149 + BG151
BGT-kar/225	BG101 + BG102 + BG124 + BG143 + BG147
BGT-kar/226	BG101 + BG102 + BG122 + BG143 + BG146 + BG147 + BG149
BGT-kar/227	BG101 + BG102 + BG121 + BG143 + BG144 + BG145 + BG146 + BG147 + BG149 + BG151
BGT-kar/228	BG101 + BG102 + BG122 + BG146 + BG147 + BG149
BGT-kar/229	BG101 + BG102 + BG124 + BG144 + BG145 + BG151
BGT-kar/230	BG101 + BG102 + BG121 + BG143 + BG144 + BG147 + BG149 + BG151
BGT-kar/231	BG101 + BG102 + BG122 + BG143 + BG144 + BG146 + BG149
BGT-kar/232	BG101 + BG102 + BG123 + BG143 + BG145 + BG147 + BG149 + BG151
BGT-kar/233	BG101 + BG102 + BG123 + BG142 + BG147 + BG149 + BG151
BGT-kar/234	BG101 + BG102 + BG123 + BG141 + BG142 + BG147 + BG149 + BG150
BGT-kar/235	BG101 + BG102 + BG123 + BG141 + BG147 + BG149 + BG150 + BG151
BGT-kar/236	BG101 + BG102 + BG124 + BG147
BGT-kar/237	BG101 + BG102 + BG123 + BG143
BGT-kar/238	BG101 + BG102 + BG121 + BG145 + BG146 + BG147 + BG149 + BG151
BGT-kar/239	BG101 + BG102 + BG122 + BG146 + BG149
BGT-kar/240	BG101 + BG102 + BG121 + BG143
BGT-kar/241	BG101 + BG102 + BG122 + BG144
BGT-kar/242	BG101 + BG102 + BG123
BGT-kar/243	BG101 + BG102 + BG122 + BG146 + BG149 + BG151
BGT-kar/244	BG101 + BG102 + BG124 + BG143 + BG144 + BG147 + BG149 + BG151
BGT-kar/245	BG101 + BG102 + BG122 + BG145 + BG146 + BG149
BGT-kar/246	BG101 + BG102 + BG124 + BG143 + BG144 + BG145 + BG147
BGT-kar/247	BG101 + BG102 + BG123 + BG143 + BG144 + BG145 + BG147 + BG149 + BG151
BGT-kar/248	BG101 + BG102 + BG121 + BG146
BGT-kar/249	BG101 + BG102 + BG123 + BG146
BGT-kar/250	BG101 + BG102 + BG121 + BG143 + BG144 + BG145 + BG147 + BG149 + BG151
BGT-kar/251	BG101 + BG102 + BG123 + BG143 + BG144 + BG147 + BG149 + BG151
BGT-kar/252	BG101 + BG102 + BG121 + BG145 + BG146
BGT-kar/253	BG101 + BG102 + BG121 + BG141
BGT-kar/254	BG101 + BG102 + BG121 + BG151
BGT-kar/255	BG101 + BG102 + BG123 + BG141 + BG142 + BG147 + BG149 + BG150 + BG151
BGT-kar/256	BG101 + BG102 + BG121
BGT-kar/257	BG101 + BG102 + BG123 + BG141 + BG147 + BG149 + BG151

Name	Combination key
BGT-kar/258	BG101 + BG102 + BG121 + BG142 + BG150
BGT-kar/259	BG101 + BG102 + BG124 + BG143 + BG146 + BG147 + BG149
BGT-kar/260	BG101 + BG102 + BG131 + BG143 + BG146 + BG147 + BG149
BGT-kar/261	BG101 + BG102 + BG131 + BG145 + BG146 + BG147 + BG149
BGT-kar/262	BG101 + BG102 + BG122
BGT-kar/263	BG101 + BG102 + BG131 + BG144 + BG145 + BG146 + BG147 + BG149
BGT-kar/264	BG101 + BG102 + BG124 + BG143 + BG145 + BG146 + BG147 + BG149
BGT-kar/265	BG101 + BG102 + BG131 + BG143 + BG144 + BG145 + BG146 + BG147 + BG149 + BG151
BGT-kar/266	BG101 + BG102 + BG131 + BG144 + BG147 + BG149
BGT-kar/267	BG101 + BG102 + BG131 + BG143 + BG144 + BG145 + BG146 + BG147 + BG149
BGT-kar/268	BG101 + BG102 + BG112 + BG145 + BG146 + BG147 + BG149
BGT-kar/269	BG101 + BG102 + BG131 + BG143 + BG144 + BG147 + BG149 + BG151
BGT-kar/270	BG101 + BG102 + BG131 + BG143 + BG145 + BG147 + BG149 + BG151
BGT-kar/271	BG101 + BG102 + BG124 + BG145 + BG146
BGT-kar/272	BG101 + BG102 + BG131 + BG143 + BG147 + BG149 + BG151
BGT-kar/273	BG101 + BG102 + BG122 + BG141 + BG142 + BG147 + BG149
BGT-kar/274	BG101 + BG102 + BG131 + BG141 + BG142 + BG147 + BG149 + BG150
BGT-kar/275	BG101 + BG102 + BG131 + BG142 + BG147 + BG149 + BG150
BGT-kar/276	BG101 + BG102 + BG124 + BG141 + BG150
BGT-kar/277	BG101 + BG102 + BG112 + BG141
BGT-kar/278	BG101 + BG102 + BG131 + BG141 + BG147 + BG149 + BG150 + BG151
BGT-kar/279	BG101 + BG102 + BG124 + BG141 + BG142 + BG147 + BG150
BGT-kar/280	BG101 + BG102 + BG122 + BG142 + BG150

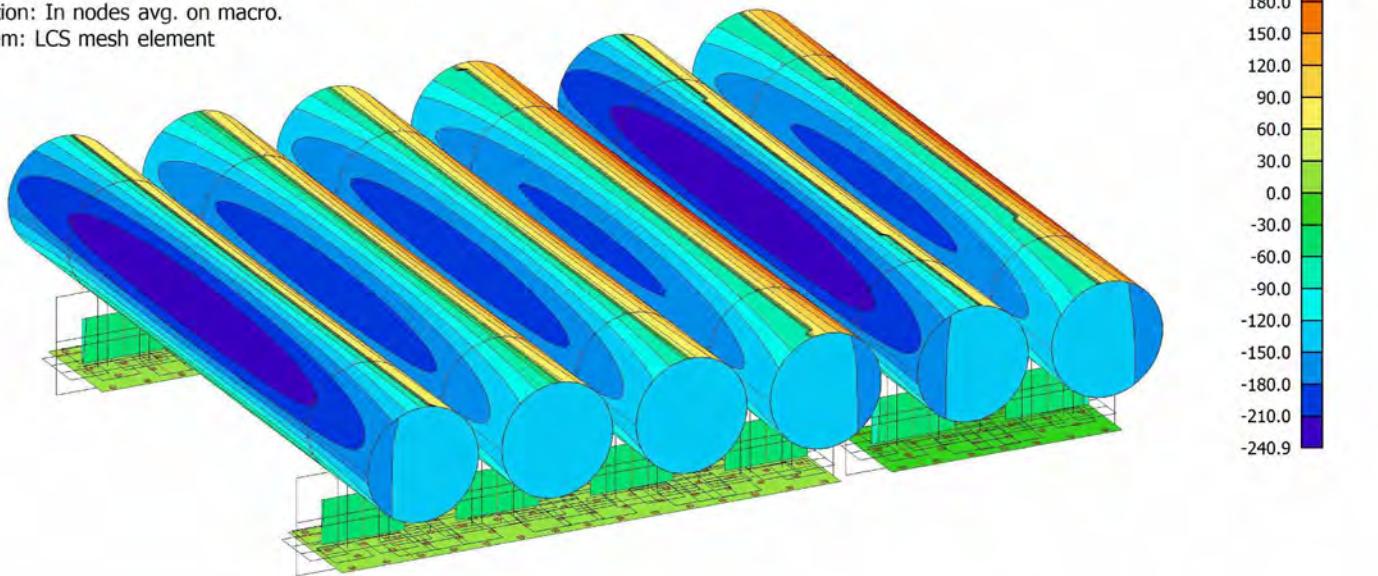
2.1.4.2. Resultaten - u_x

Values: u_x
 Linear calculation
 Class: Alle BGT
 Extreme: Member
 Selection: All
 Location: In nodes avg. on macro.
 System: LCS mesh element



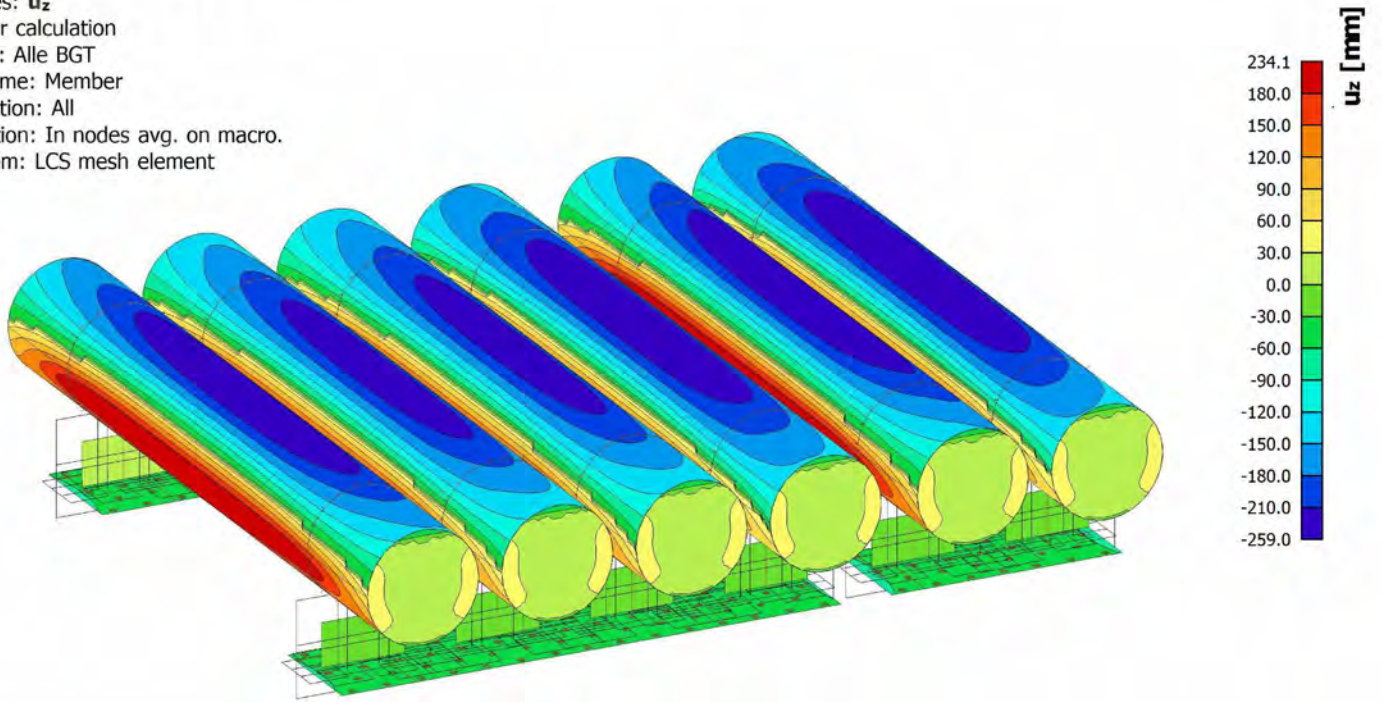
2.1.4.3. Resultaten - u_y

Values: u_y
 Linear calculation
 Class: Alle BGT
 Extreme: Member
 Selection: All
 Location: In nodes avg. on macro.
 System: LCS mesh element



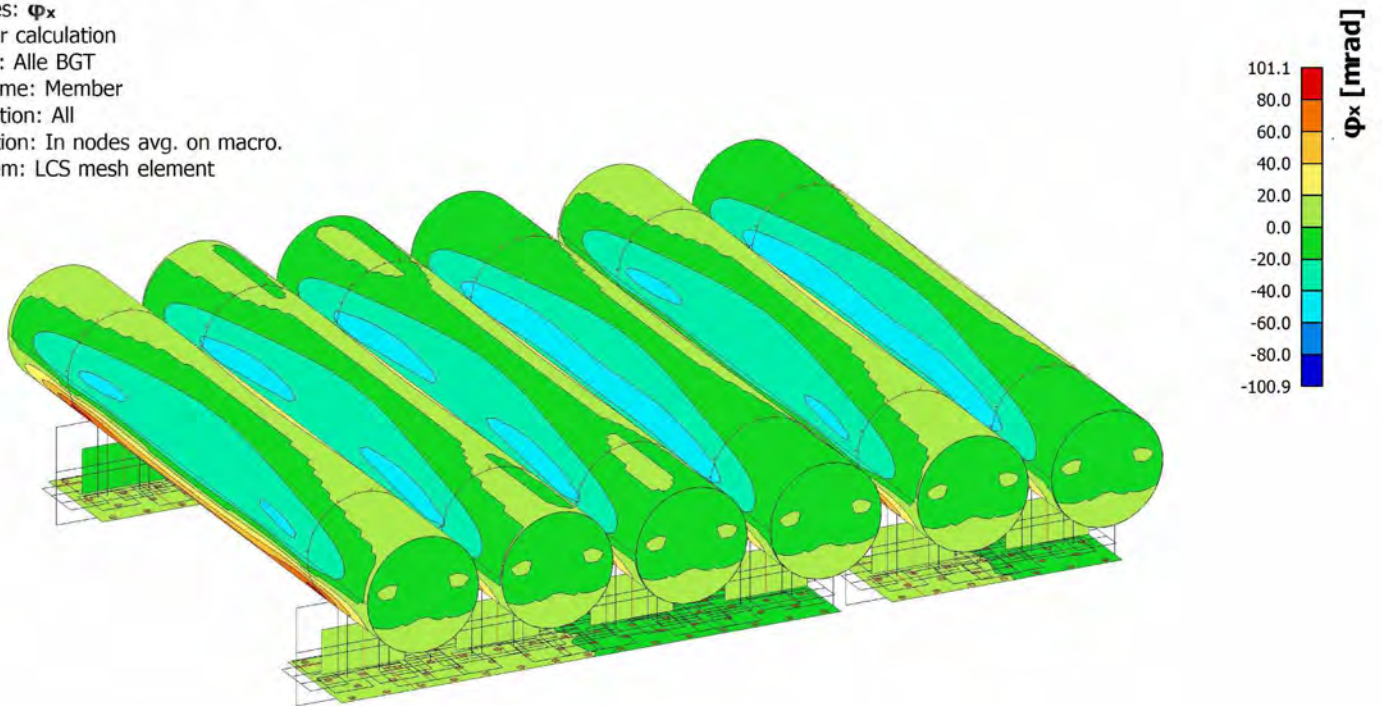
2.1.4.4. Resultaten - u_z

Values: u_z
Linear calculation
Class: Alle BGT
Extreme: Member
Selection: All
Location: In nodes avg. on macro.
System: LCS mesh element



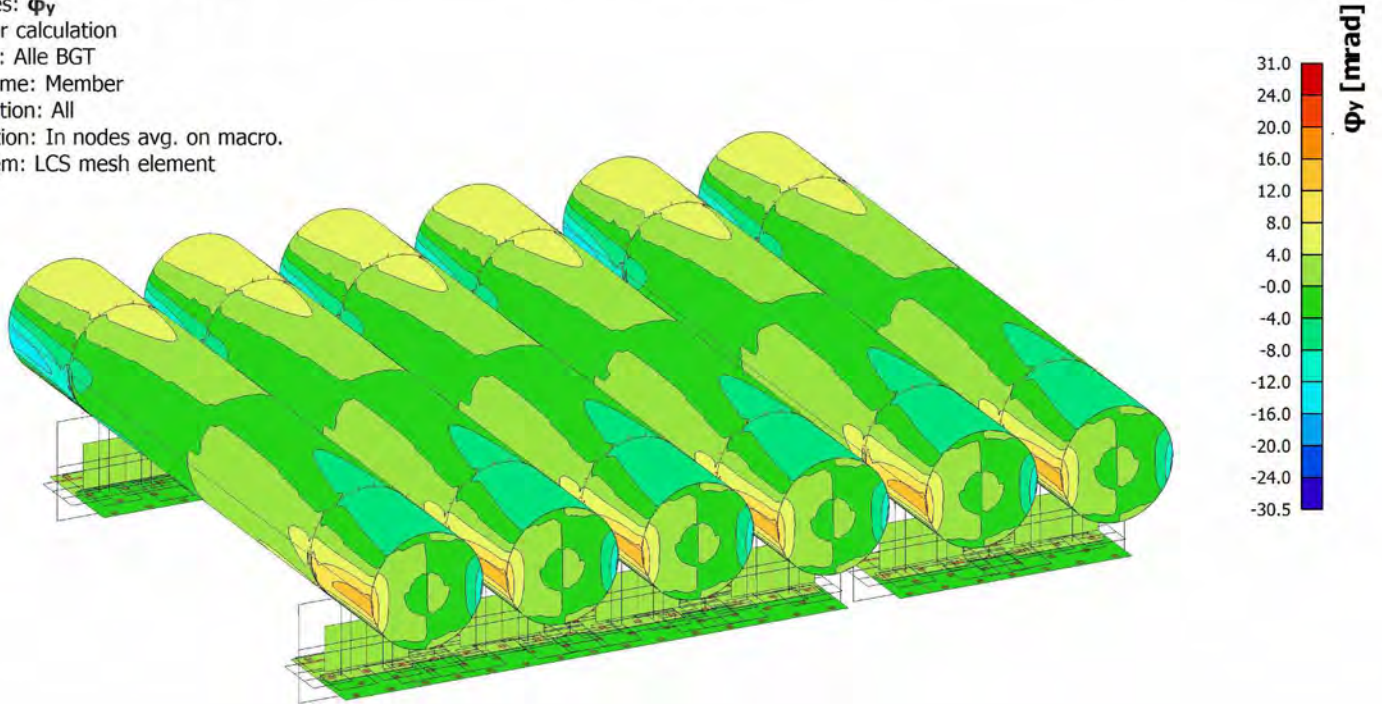
2.1.4.5. Resultaten - φ_x

Values: φ_x
Linear calculation
Class: Alle BGT
Extreme: Member
Selection: All
Location: In nodes avg. on macro.
System: LCS mesh element



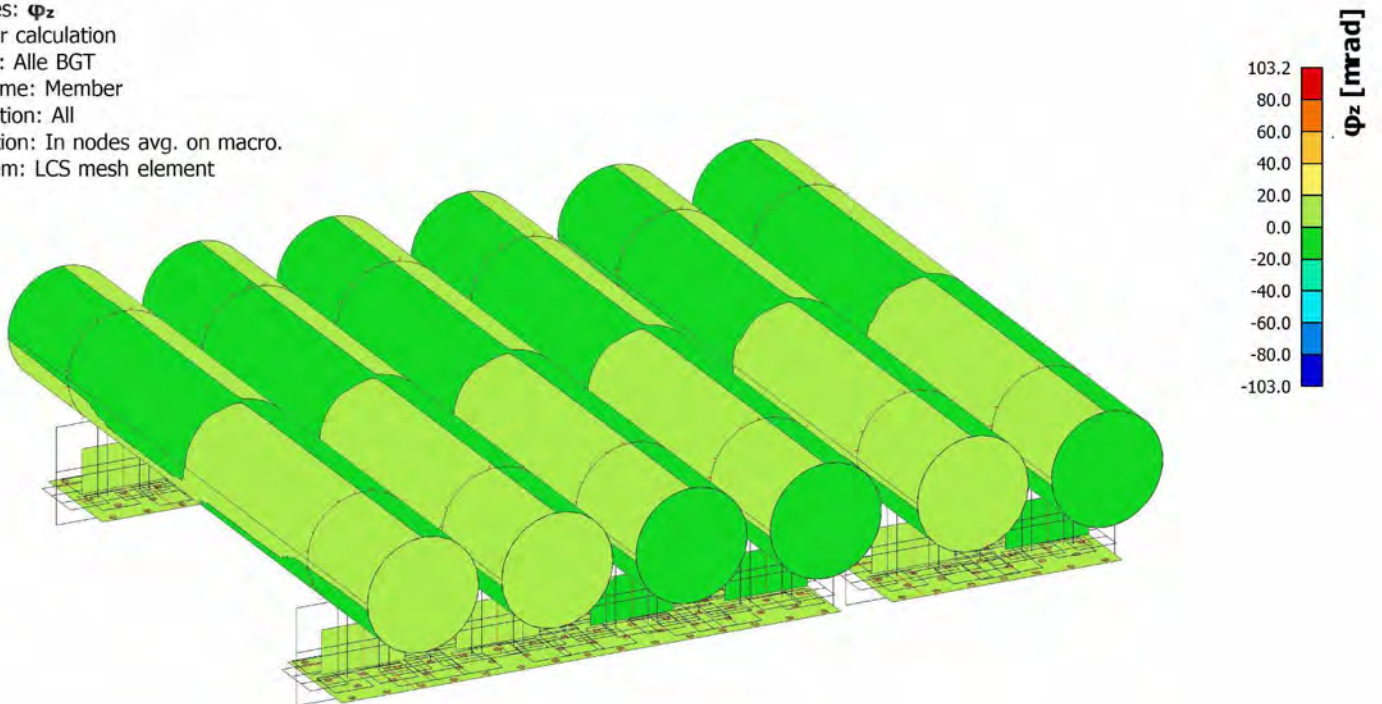
2.1.4.6. Resultaten - φ_y

Values: φ_y
 Linear calculation
 Class: Alle BGT
 Extreme: Member
 Selection: All
 Location: In nodes avg. on macro.
 System: LCS mesh element



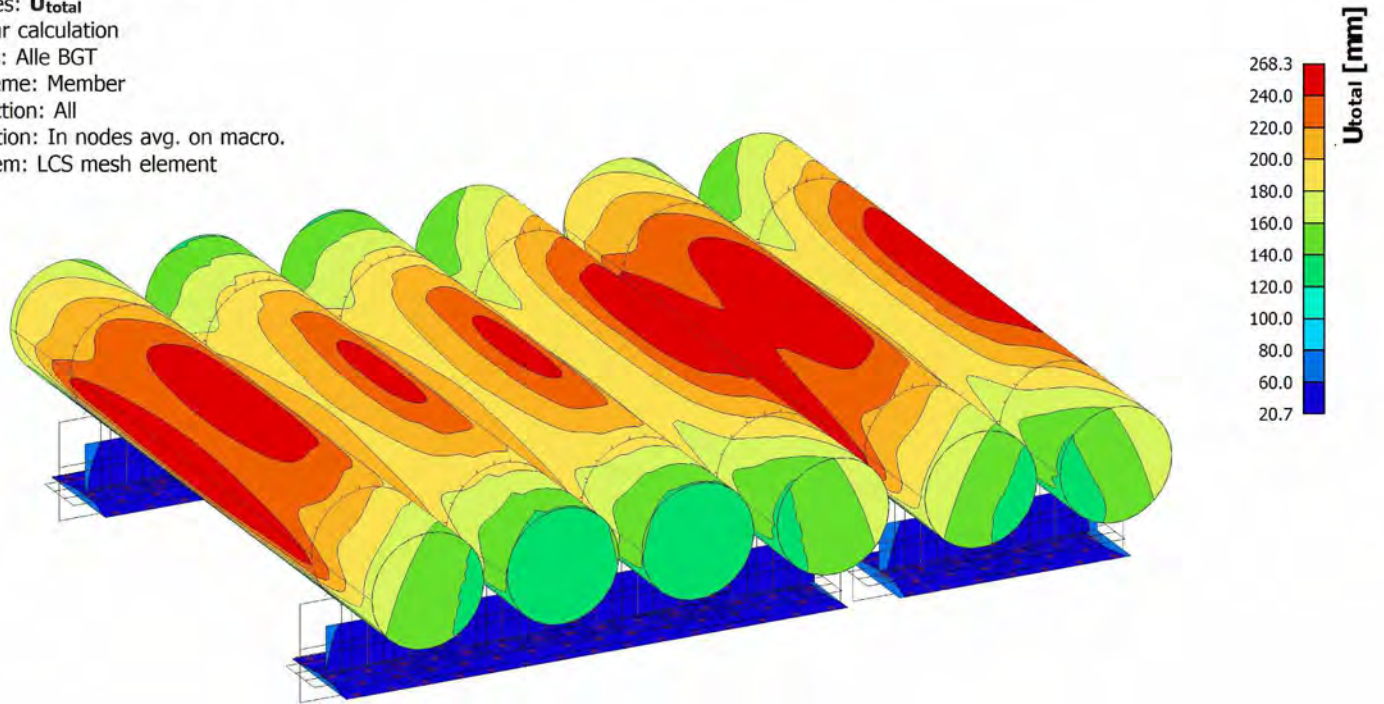
2.1.4.7. Resultaten - φ_z

Values: φ_z
 Linear calculation
 Class: Alle BGT
 Extreme: Member
 Selection: All
 Location: In nodes avg. on macro.
 System: LCS mesh element



2.1.4.8. Resultaten - U_total

Values: U_{total}
 Linear calculation
 Class: Alle BGT
 Extreme: Member
 Selection: All
 Location: In nodes avg. on macro.
 System: LCS mesh element



2.2. Krachten

2.2.1. Reactiekrachten

2.2.1.1. Reactions

Linear calculation

Class: Alle UGT

System: Global

Extreme: Global

Selection: Named selection - Check

Nodal reactions

Name	Case	R _x [kN]	R _y [kN]	R _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	e _x [mm]	e _y [mm]
Sn79/K251	UGT-Set B/1	1.29	-25.47	-93.02	0.00	0.68	0.00	7.4	0.0
Sn81/K253	UGT-Set B/2	1.28	25.47	-96.14	0.00	0.00	0.00	0.0	0.0
Sn79/K251	UGT-Set B/3	0.80	-25.44	-137.45	0.00	0.49	0.00	3.5	0.0
Sn100/K1226	UGT-Set B/4	0.00	0.00	2988.28	0.00	0.00	0.00	0.0	0.0
Sn80/K252	UGT-Set B/5	-20.99	-0.10	137.53	0.00	-7.16	0.00	52.1	0.0
Sn79/K251	UGT-Set B/6	20.99	-0.12	126.04	0.00	7.36	0.00	-58.4	0.0

Linear Intensity

Name	dx [m]	Case	R _x [kN/m]	R _y [kN/m]	R _z [kN/m]	M _x [kNm/m]	M _y [kNm/m]	M _z [kNm/m]
Slb674/S288	21.680	UGT-Set B/7	-23.70	-2.18	0.00	0.00	0.00	0.00
Slb673/S287	21.680	UGT-Set B/8	20.89	-2.34	0.00	0.00	0.00	0.00
Slb649/S263	21.680	UGT-Set B/9	0.36	-27.31	0.00	0.00	0.00	0.00
Slb671/S285	21.680	UGT-Set B/10	2.90	26.28	0.00	0.00	0.00	0.00

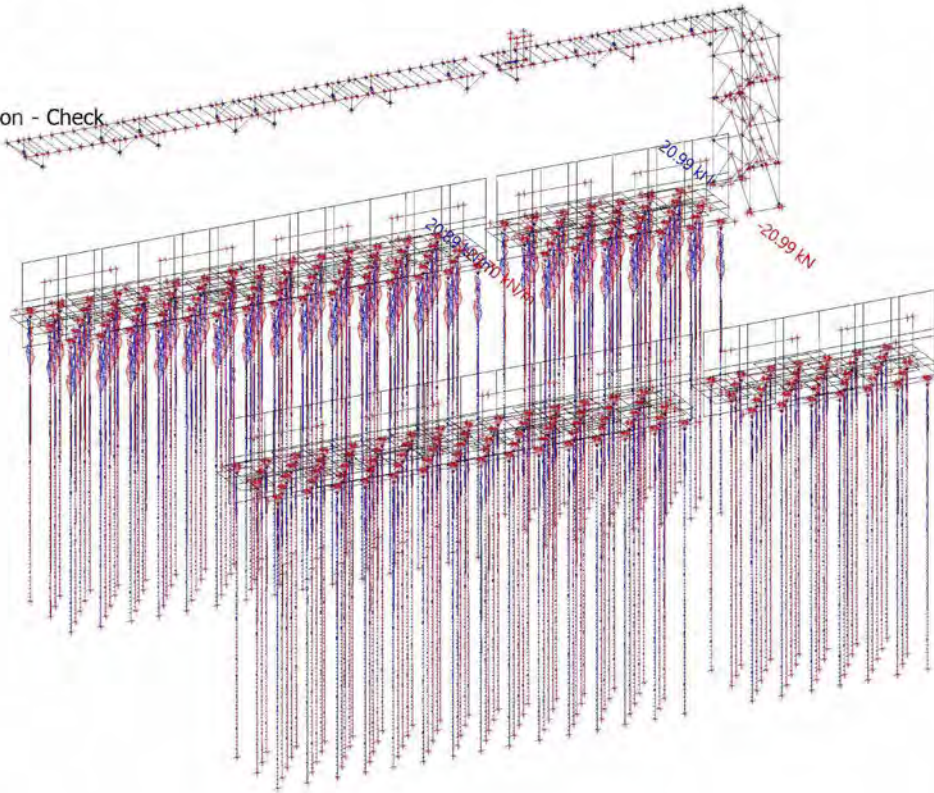
Reactions on line supports

Name	dx [m]	Case	R _x [kN]	R _y [kN]	R _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	e [mm]
Slb602/S288	21.680	UGT-Set B/7	-11.48	-1.06	0.00	0.00	0.00	0.00	0.0
Slb601/S287	21.680	UGT-Set B/8	10.12	-1.13	0.00	0.00	0.00	0.00	0.0
Slb577/S263	21.680	UGT-Set B/9	0.17	-13.23	0.00	0.00	0.00	0.00	0.0
Slb599/S285	21.680	UGT-Set B/10	1.40	12.73	0.00	0.00	0.00	0.00	0.0

Name	Combination key
UGT-Set B/1	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG148
UGT-Set B/2	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG148
UGT-Set B/3	0.90*BG101 + 0.90*BG102 + 1.50*BG122
UGT-Set B/4	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150 + 1.50*BG151
UGT-Set B/5	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG148
UGT-Set B/6	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG148
UGT-Set B/7	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG141 + 1.50*BG142 + 1.50*BG147 + 1.50*BG150 + 1.50*BG151
UGT-Set B/8	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149
UGT-Set B/9	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG143 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/10	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG143 + 1.50*BG146 + 1.50*BG147

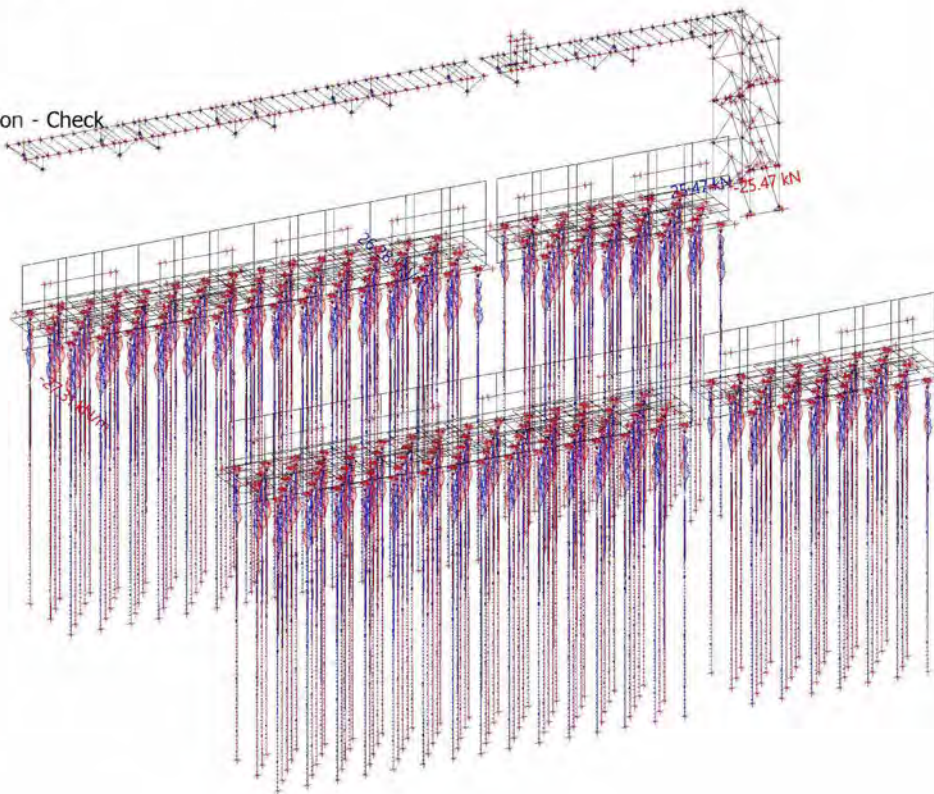
2.2.1.2. Resultaten - R_x

Values: R_x
Linear calculation
Class: Alle UGT
System: Global
Extreme: Global
Selection: Named selection - Check



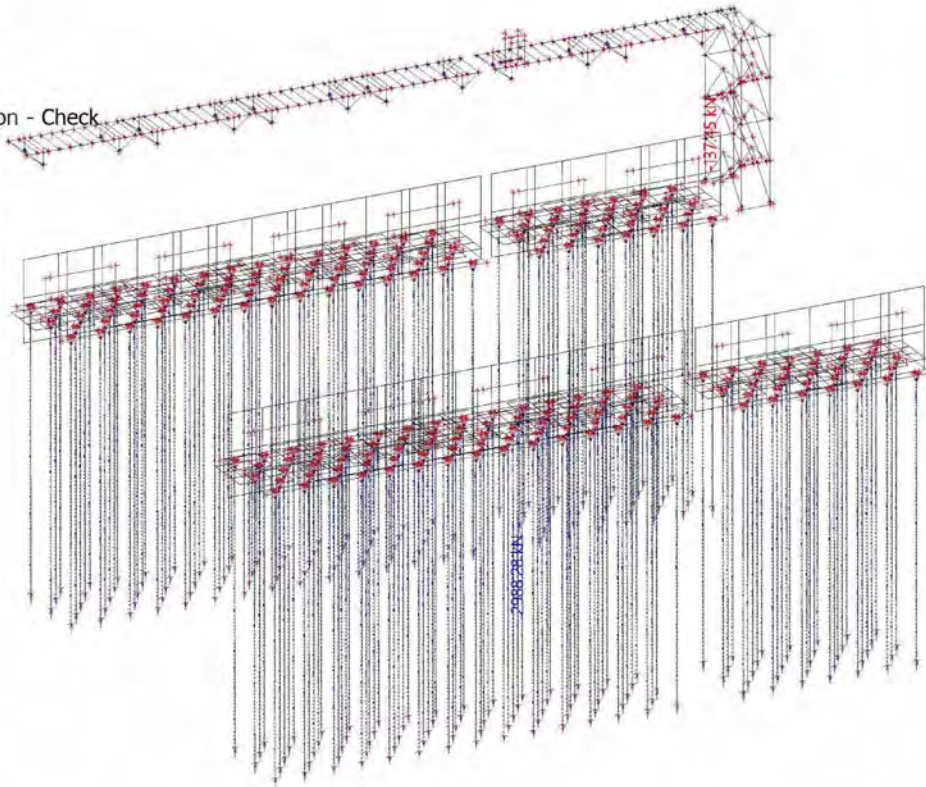
2.2.1.3. Resultaten - R_y

Values: R_y
Linear calculation
Class: Alle UGT
System: Global
Extreme: Global
Selection: Named selection - Check



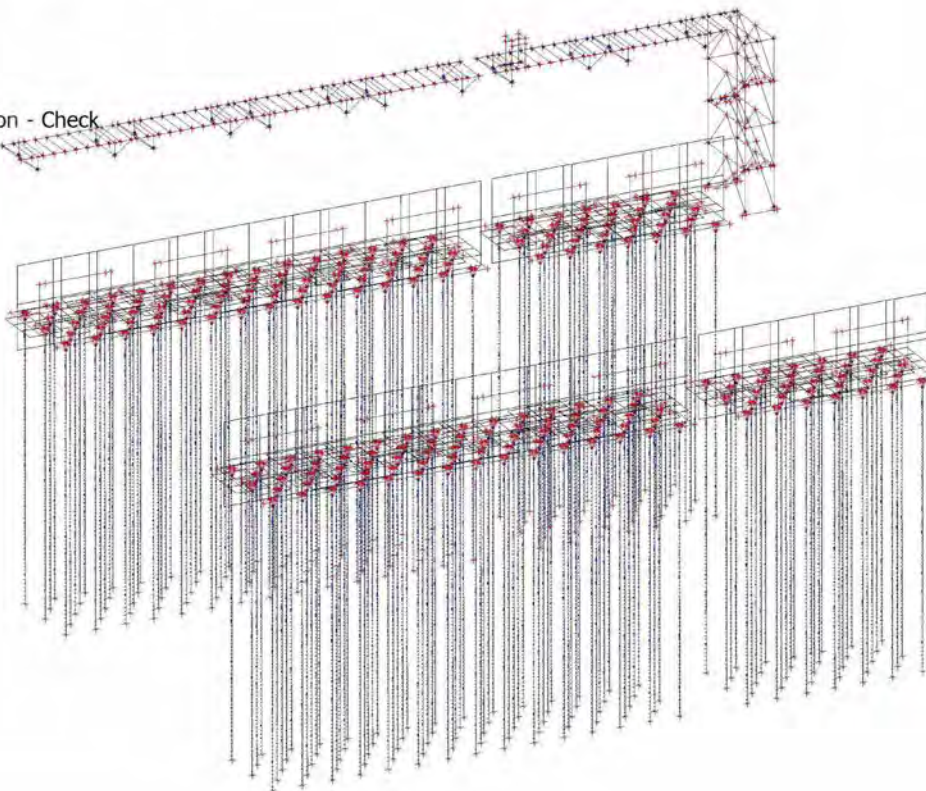
2.2.1.4. Resultaten - R_z

Values: R_z
Linear calculation
Class: Alle UGT
System: Global
Extreme: Global
Selection: Named selection - Check



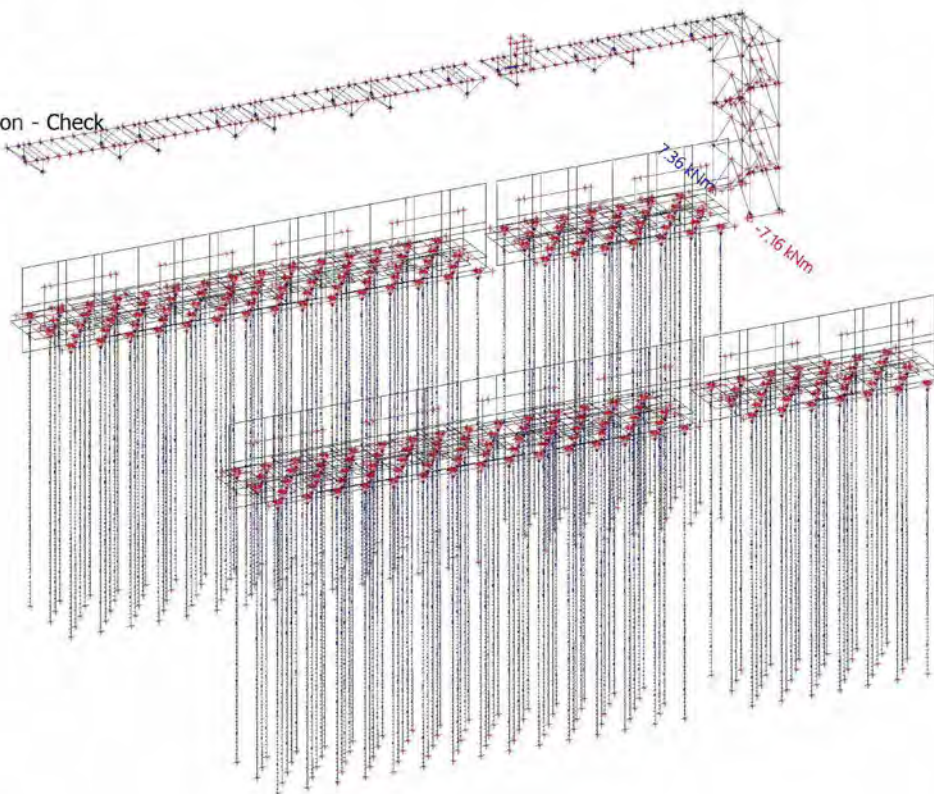
2.2.1.5. Resultaten - M_x

Values: M_x
Linear calculation
Class: Alle UGT
System: Global
Extreme: Global
Selection: Named selection - Check



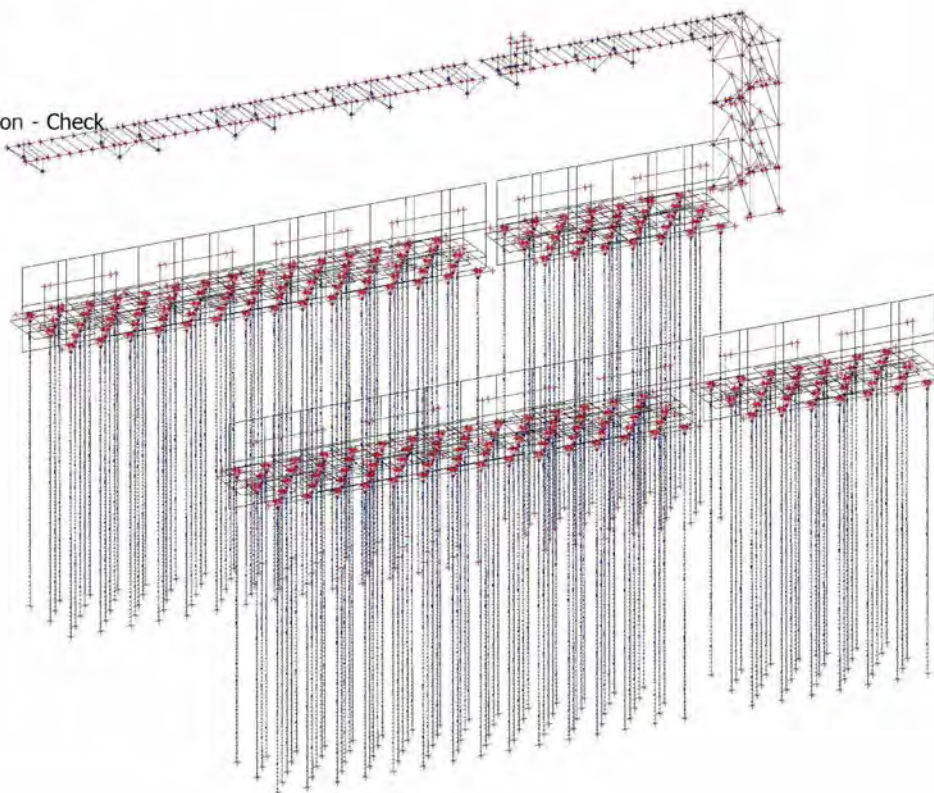
2.2.1.6. Resultaten - M_y

Values: M_y
 Linear calculation
 Class: Alle UGT
 System: Global
 Extreme: Global
 Selection: Named selection - Check



2.2.1.7. Resultaten - M_z

Values: M_z
 Linear calculation
 Class: Alle UGT
 System: Global
 Extreme: Global
 Selection: Named selection - Check



2.2.2. Interne staafkrachten

2.2.2.1. 1D internal forces

Linear calculation

Class: Alle UGT

Coordinate system: Principal

Extreme 1D: Cross-section

Selection: Named selection - Check

Name	dx [m]	Case	Cross-section	H [kN]	V _y [kN]	V _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]
S25	0.300+	UGT-Set B/1	CT-11 - Rectangle (600; 400)	-0.62	0.00	7.02	-0.33	0.09	0.00
S26	0.300+	UGT-Set B/2	CT-11 - Rectangle (600; 400)	1.55	0.00	9.37	-1.08	-1.08	0.00
S25	0.300+	UGT-Set B/3	CT-11 - Rectangle (600; 400)	0.03	0.00	9.37	-2.48	-0.32	0.01
S26	2.900-	UGT-Set B/4	CT-11 - Rectangle (600; 400)	0.76	0.00	-13.27	-0.43	-5.75	0.00
S26	0.300+	UGT-Set B/5	CT-11 - Rectangle (600; 400)	0.30	0.00	13.27	-0.24	-5.52	0.00
S26	0.300+	UGT-Set B/3	CT-11 - Rectangle (600; 400)	0.77	0.00	9.37	-2.96	-0.69	0.01
S25	0.300+	UGT-Set B/6	CT-11 - Rectangle (600; 400)	0.03	0.00	9.37	3.16	-0.31	-0.01
S26	0.300+	UGT-Set B/7	CT-11 - Rectangle (600; 400)	0.77	0.00	13.27	-0.26	-5.76	0.00
S25	1.043	UGT-Set B/4	CT-11 - Rectangle (600; 400)	0.03	0.00	0.12	0.43	6.83	0.00
S26	2.900-	UGT-Set B/6	CT-11 - Rectangle (600; 400)	0.76	0.00	-9.37	2.28	-0.68	-0.01
S26	2.900-	UGT-Set B/8	CT-11 - Rectangle (600; 400)	0.22	0.00	-7.02	-2.87	-0.34	0.01
S28	3.700-	UGT-Set B/9	ST-11 - HEA240	146.41	0.02	22.53	0.00	88.58	0.08
S29	7.400-	UGT-Set B/10	ST-11 - HEA240	-33.74	-2.07	-0.30	0.00	-0.28	-1.90
S28	7.400-	UGT-Set B/11	ST-11 - HEA240	-35.07	2.07	-0.31	0.00	-0.82	1.92
S29	0.000	UGT-Set B/7	ST-11 - HEA240	-245.27	-0.06	-26.03	0.00	0.00	0.00
S30	0.000	UGT-Set B/4	ST-11 - HEA240	-234.63	-0.05	26.01	0.00	0.00	0.00
S30	0.000	UGT-Set B/8	ST-11 - HEA240	-44.70	-0.17	0.14	-0.01	0.00	0.00
S30	0.000	UGT-Set B/6	ST-11 - HEA240	-46.61	0.09	0.66	0.01	0.00	0.00
S29	3.700-	UGT-Set B/7	ST-11 - HEA240	-242.54	-0.06	-23.20	0.00	-91.06	-0.22
S30	3.700-	UGT-Set B/4	ST-11 - HEA240	-231.89	-0.05	23.18	0.00	91.00	-0.19
S29	3.700-	UGT-Set B/3	ST-11 - HEA240	-99.59	-2.02	-0.67	0.01	-2.47	-2.24
S28	3.700-	UGT-Set B/6	ST-11 - HEA240	-88.11	2.01	0.09	-0.01	0.34	2.20
S45	3.400+	UGT-Set B/12	ST-12 - IPE300	-17.21	0.00	-0.02	0.00	2.30	0.00
S45	3.400+	UGT-Set B/3	ST-12 - IPE300	20.29	0.00	1.97	0.00	-3.73	0.00
S31	0.000	UGT-Set B/13	ST-12 - IPE300	0.05	-3.12	0.66	0.00	0.00	0.00
S46	2.600	UGT-Set B/6	ST-12 - IPE300	0.38	3.27	-18.04	-0.06	-5.46	0.01
S46	2.600	UGT-Set B/4	ST-12 - IPE300	0.37	-0.05	-107.63	0.00	-121.06	0.00
S38	0.000	UGT-Set B/3	ST-12 - IPE300	1.12	0.74	20.32	0.06	-6.36	0.00
S46	0.000	UGT-Set B/7	ST-12 - IPE300	0.39	-0.09	106.73	0.00	-121.26	0.00
S44	2.600	UGT-Set B/14	ST-12 - IPE300	0.22	0.00	88.43	0.00	115.37	0.00
S31	3.400-	UGT-Set B/13	ST-12 - IPE300	0.05	0.00	-1.10	0.00	-0.74	-5.30
S31	3.400-	UGT-Set B/5	ST-12 - IPE300	-0.34	0.00	-1.03	0.00	-0.52	5.30
S47	0.000	UGT-Set B/9	CT-12 - Rectangle (400; 400)	142.91	25.36	-0.80	0.00	0.00	0.00
S50	0.000	UGT-Set B/8	CT-12 - Rectangle (400; 400)	-61.05	0.14	14.33	-0.01	0.00	0.00

Name	dx [m]	Case	Cross-section	N [kN]	V _y [kN]	V _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]
S50	0.000	UGT-Set B/6	400) CT-12 - Rectangle (400; 400)	-34.86	0.66	-11.40	0.01	0.00	0.00
S47	0.200	UGT-Set B/6	CT-12 - Rectangle (400; 400)	-114.50	0.09	-20.99	-0.01	-4.20	0.02
S48	0.200	UGT-Set B/3	CT-12 - Rectangle (400; 400)	-126.00	-0.67	20.99	0.01	4.20	-0.13
S48	0.200	UGT-Set B/7	CT-12 - Rectangle (400; 400)	-249.38	-26.03	2.14	0.00	0.43	-5.21
S50	0.200	UGT-Set B/4	CT-12 - Rectangle (400; 400)	-238.72	26.01	2.13	0.00	0.43	5.20
S54	0.000	UGT-Set B/3	ST-13 - HEA140	-30.38	0.00	0.00	0.00	0.00	0.00
S53	5.025	UGT-Set B/8	ST-13 - HEA140	25.78	0.00	0.00	0.00	0.00	0.00
S68	0.000	UGT-Set B/15	ST-14 - UNP200	-5.11	0.00	6.63	0.00	0.32	0.00
S81	1.000+	UGT-Set B/7	ST-14 - UNP200	5.82	0.01	5.00	0.00	8.11	-0.01
S81	7.061+	UGT-Set B/7	ST-14 - UNP200	1.56	-0.02	-5.19	-0.01	6.86	0.02
S79	0.000	UGT-Set B/7	ST-14 - UNP200	-0.20	0.02	9.67	0.01	0.00	0.00
S79	8.061	UGT-Set B/15	ST-14 - UNP200	-0.05	0.00	-10.96	0.00	0.00	0.00
S71	0.000	UGT-Set B/15	ST-14 - UNP200	0.95	0.00	11.41	0.00	0.00	0.00
S68	6.061+	UGT-Set B/4	ST-14 - UNP200	0.00	0.01	-4.44	-0.01	6.14	-0.01
S67	0.000	UGT-Set B/4	ST-14 - UNP200	0.00	-0.01	9.02	0.01	0.00	0.00
S68	0.000	UGT-Set B/9	ST-14 - UNP200	-1.17	0.00	1.52	0.00	-0.37	0.00
S72	3.828	UGT-Set B/15	ST-14 - UNP200	-0.36	0.00	0.16	0.00	17.23	0.00
S81	7.061-	UGT-Set B/9	ST-14 - UNP200	-1.66	-0.01	-0.96	0.00	1.54	-0.02
S81	7.061-	UGT-Set B/7	ST-14 - UNP200	-1.93	0.01	-5.06	0.00	7.92	0.02
S228	1.500+	UGT-Set B/16	ST-15 - UNP300	-43.40	-0.74	37.28	0.02	-64.58	0.21
S228	0.000	UGT-Set B/17	ST-15 - UNP300	11.91	0.04	8.69	0.00	-0.97	0.00
S228	8.500-	UGT-Set B/18	ST-15 - UNP300	-6.83	-7.56	-8.43	0.00	-5.35	-5.53
S228	8.500-	UGT-Set B/19	ST-15 - UNP300	-35.11	8.66	-38.81	0.02	-43.26	6.11
S228	1.500-	UGT-Set B/20	ST-15 - UNP300	-31.65	-0.31	-41.33	0.02	-51.48	-0.21
S228	8.500+	UGT-Set B/21	ST-15 - UNP300	-31.67	-0.25	39.86	0.01	-49.22	0.09
S227	8.000+	UGT-Set B/22	ST-15 - UNP300	-16.23	2.63	-4.50	-0.12	-10.62	0.17
S227	8.000+	UGT-Set B/23	ST-15 - UNP300	-7.78	-2.92	-30.15	0.13	-14.85	-0.09
S228	1.500+	UGT-Set B/20	ST-15 - UNP300	-43.40	-0.74	37.28	0.02	-64.58	0.21
S228	6.000-	UGT-Set B/24	ST-15 - UNP300	-13.11	-0.02	5.27	-0.01	50.02	-0.28
S227	5.500-	UGT-Set B/25	ST-15 - UNP300	-24.39	0.27	-4.09	0.02	8.51	-5.63
S228	8.500-	UGT-Set B/26	ST-15 - UNP300	-35.11	8.66	-38.81	0.02	-43.26	6.11
S120	0.000	UGT-Set B/27	ST-18 - HEA220	-102.86	15.61	8.95	-0.09	0.00	0.00
S244	2.070-	UGT-Set B/28	ST-18 - HEA220	7.59	-0.87	1.36	-0.02	4.72	0.08
S119	0.000	UGT-Set B/29	ST-18 - HEA220	-79.99	11.86	-23.51	-0.19	0.00	0.00
S120	0.000	UGT-Set B/26	ST-18 - HEA220	-102.56	15.67	19.59	0.07	0.00	0.00
S245	2.070+	UGT-Set B/30	ST-18 - HEA220	4.25	-0.51	5.25	-0.31	3.37	0.18
S244	2.070+	UGT-Set B/31	ST-18 - HEA220	-12.56	0.90	-1.55	0.54	-3.73	-0.34
S119	1.135	UGT-Set B/29	ST-18 - HEA220	-79.29	11.86	-22.65	-0.19	-26.20	13.46
S120	1.135	UGT-Set B/26	ST-18 - HEA220	-101.85	15.67	18.72	0.07	21.74	17.79
S114	1.135	UGT-Set B/32	ST-18 - HEA220	-54.19	-26.57	3.61	0.08	4.10	-30.15
S116	1.135	UGT-Set B/33	ST-18 - HEA220	-53.72	27.55	3.61	-0.08	4.09	31.27
S349	0.000	UGT-Set B/34	ST-23 - IPE200	-12.63	1.86	23.69	0.00	-23.55	-3.24
S349	0.000	UGT-Set B/35	ST-23 - IPE200	4.11	-1.85	-10.17	0.00	14.08	3.34
S349	3.500	UGT-Set B/27	ST-23 - IPE200	-7.24	-4.74	-14.64	-0.01	-7.74	-2.85
S349	3.500	UGT-Set B/36	ST-23 - IPE200	-0.22	4.24	0.45	0.00	0.35	2.35
S349	3.500	UGT-Set B/37	ST-23 - IPE200	-8.19	-2.73	-16.59	-0.01	-12.71	-4.04
S349	0.000	UGT-Set B/31	ST-23 - IPE200	-12.63	1.86	23.69	0.00	-23.55	-3.24
S349	2.300+	UGT-Set B/38	ST-23 - IPE200	-4.15	3.12	-1.49	-0.01	1.80	-2.22
S349	0.000	UGT-Set B/39	ST-23 - IPE200	-5.33	-2.84	8.89	0.01	-5.39	2.70
S349	0.000	UGT-Set B/29	ST-23 - IPE200	-12.63	1.86	23.69	0.00	-23.55	-3.24
S349	2.300-	UGT-Set B/31	ST-23 - IPE200	-12.63	1.86	14.04	0.00	19.84	1.05
S349	3.500	UGT-Set B/26	ST-23 - IPE200	-8.13	-2.90	-16.54	-0.01	-12.64	-4.22
S349	3.500	UGT-Set B/40	ST-23 - IPE200	0.61	2.39	2.34	0.00	5.23	3.70
S259	0.000	UGT-Set B/41	ST-20 - HEA260	-4.70	-2.89	38.63	0.04	0.00	0.00
S259	0.000	UGT-Set B/42	ST-20 - HEA260	9.31	1.61	13.02	-0.02	0.00	0.00
S252	0.000	UGT-Set B/43	ST-20 - HEA260	0.36	-4.49	41.90	-0.01	0.00	0.00

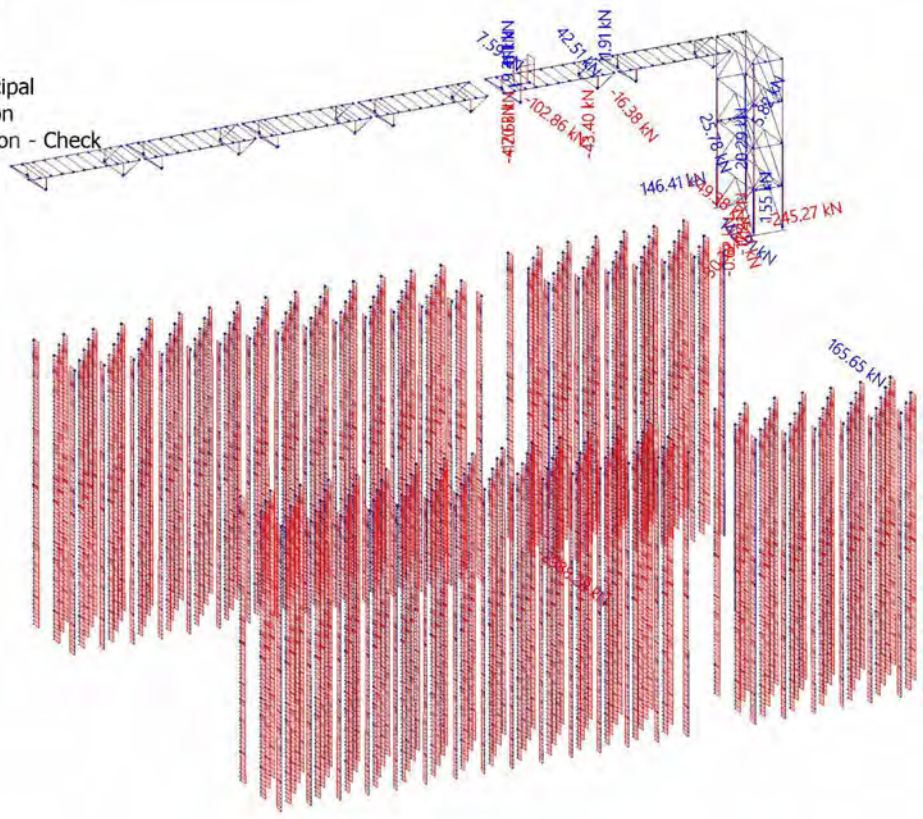
Name	dx [m]	Case	Cross-section	N [kN]	V _y [kN]	V _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]
S252	3.500	UGT-Set B/43	ST-20 - HEA260	0.36	4.49	-41.90	-0.01	0.00	0.00
S252	3.500	UGT-Set B/44	ST-20 - HEA260	0.42	2.89	-43.51	0.01	0.00	0.00
S252	0.000	UGT-Set B/44	ST-20 - HEA260	0.42	-2.89	43.51	0.01	0.00	0.00
S260	0.000	UGT-Set B/45	ST-20 - HEA260	-1.61	-1.28	41.90	-0.08	0.00	0.00
S259	0.000	UGT-Set B/46	ST-20 - HEA260	2.74	-1.61	13.02	0.06	0.00	0.00
S252	1.750	UGT-Set B/44	ST-20 - HEA260	0.42	0.00	0.00	0.01	38.07	-2.53
S252	1.750	UGT-Set B/47	ST-20 - HEA260	0.27	0.00	0.00	-0.01	33.80	-3.93
S252	1.750	UGT-Set B/48	ST-20 - HEA260	1.67	0.00	0.00	0.06	11.40	1.41
S370	0.000	UGT-Set B/49	ST-21 - Circle (540)	-2988.28	0.00	0.00	0.00	0.00	0.00
S333	25.000	UGT-Set B/50	ST-21 - Circle (540)	165.65	29.01	-0.46	0.00	0.00	0.00
S263	24.500+	UGT-Set B/51	ST-21 - Circle (540)	-2446.22	-39.47	-0.51	0.00	0.26	19.74
S264	24.500+	UGT-Set B/51	ST-21 - Circle (540)	-2441.18	39.09	-5.42	0.00	2.71	-19.55
S288	24.500+	UGT-Set B/19	ST-21 - Circle (540)	-2269.78	3.15	-34.25	0.00	17.12	-1.58
S486	24.500+	UGT-Set B/19	ST-21 - Circle (540)	-2220.56	-2.84	32.99	0.00	-16.49	1.42
S486	21.680-	UGT-Set B/19	ST-21 - Circle (540)	-2242.71	0.61	-7.10	0.00	-66.38	5.72
S288	21.680+	UGT-Set B/19	ST-21 - Circle (540)	-2288.35	0.38	-4.11	0.00	68.92	-6.34
S264	21.680-	UGT-Set B/51	ST-21 - Circle (540)	-2463.33	-8.41	1.17	0.00	10.91	-78.67
S263	21.680+	UGT-Set B/51	ST-21 - Circle (540)	-2464.80	-4.74	-0.06	0.00	1.04	79.43
S538	0.000	UGT-Set B/17	ST-24 - HEA120	-16.38	0.00	0.00	0.00	0.00	0.00
S538	1.881	UGT-Set B/20	ST-24 - HEA120	42.51	0.00	0.00	0.00	0.00	0.00

Name	Combination key
UGT-Set B/1	0.90*BG101 + 0.90*BG102 + 1.50*BG111 + 1.50*BG148
UGT-Set B/2	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG148
UGT-Set B/3	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG148
UGT-Set B/4	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG148
UGT-Set B/5	1.20*BG101 + 1.20*BG102 + 1.50*BG124
UGT-Set B/6	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG148
UGT-Set B/7	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG148
UGT-Set B/8	0.90*BG101 + 0.90*BG102 + 1.50*BG121
UGT-Set B/9	0.90*BG101 + 0.90*BG102 + 1.50*BG122
UGT-Set B/10	1.20*BG101 + 1.20*BG102 + 1.50*BG121
UGT-Set B/11	1.20*BG101 + 1.20*BG102 + 1.50*BG123
UGT-Set B/12	0.90*BG101 + 0.90*BG102 + 1.50*BG123
UGT-Set B/13	1.20*BG101 + 1.20*BG102 + 1.50*BG122
UGT-Set B/14	0.90*BG101 + 0.90*BG102 + 1.50*BG124
UGT-Set B/15	1.20*BG101 + 1.20*BG102 + 1.50*BG131 + 1.50*BG148
UGT-Set B/16	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150
UGT-Set B/17	0.90*BG101 + 0.90*BG102 + 1.50*BG124 + 1.50*BG141
UGT-Set B/18	0.90*BG101 + 0.90*BG102 + 1.50*BG123 + 1.50*BG149
UGT-Set B/19	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG141 + 1.50*BG142 + 1.50*BG147 + 1.50*BG150 + 1.50*BG151
UGT-Set B/20	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150 + 1.50*BG151
UGT-Set B/21	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG141 + 1.50*BG142 + 1.50*BG147 + 1.50*BG150
UGT-Set B/22	0.90*BG101 + 0.90*BG102 + 1.50*BG122 + 1.50*BG141 + 1.50*BG142 + 1.50*BG149
UGT-Set B/23	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG147 + 1.50*BG150 + 1.50*BG151
UGT-Set B/24	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG147 + 1.50*BG150 + 1.50*BG151
UGT-Set B/25	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/26	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG141 + 1.50*BG142 + 1.50*BG147 + 1.50*BG150

Name	Combination key
UGT-Set B/27	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG141 + 1.50*BG142 + 1.50*BG147 + 1.50*BG150
UGT-Set B/28	0.90*BG101 + 0.90*BG102 + 1.50*BG121 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/29	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150
UGT-Set B/30	0.90*BG101 + 0.90*BG102 + 1.50*BG121 + 1.50*BG141
UGT-Set B/31	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150 + 1.50*BG151
UGT-Set B/32	1.20*BG101 + 1.20*BG102 + 1.50*BG111 + 1.50*BG141 + 1.50*BG147 + 1.50*BG150 + 1.50*BG151
UGT-Set B/33	1.20*BG101 + 1.20*BG102 + 1.50*BG111 + 1.50*BG141 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149
UGT-Set B/34	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG141 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150
UGT-Set B/35	0.90*BG101 + 0.90*BG102 + 1.50*BG121 + 1.50*BG151
UGT-Set B/36	0.90*BG101 + 0.90*BG102 + 1.50*BG122 + 1.50*BG149 + 1.50*BG151
UGT-Set B/37	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG141 + 1.50*BG147 + 1.50*BG150
UGT-Set B/38	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG141 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149
UGT-Set B/39	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG141 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150
UGT-Set B/40	0.90*BG101 + 0.90*BG102 + 1.50*BG123 + 1.50*BG149 + 1.50*BG151
UGT-Set B/41	0.90*BG101 + 0.90*BG102 + 1.50*BG121 + 1.50*BG142 + 1.50*BG149 + 1.50*BG151
UGT-Set B/42	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG141 + 1.50*BG147 + 1.50*BG150
UGT-Set B/43	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG149
UGT-Set B/44	1.35*BG101 + 1.35*BG102 + 1.50*BG149
UGT-Set B/45	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG141 + 1.50*BG142 + 1.50*BG149
UGT-Set B/46	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG142 + 1.50*BG147 + 1.50*BG151
UGT-Set B/47	0.90*BG101 + 0.90*BG102 + 1.50*BG122 + 1.50*BG144 + 1.50*BG145 + 1.50*BG149
UGT-Set B/48	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG143 + 1.50*BG146 + 1.50*BG147 + 1.50*BG151
UGT-Set B/49	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150 + 1.50*BG151
UGT-Set B/50	0.90*BG101 + 0.90*BG102 + 1.50*BG124 + 1.50*BG142 + 1.50*BG147 + 1.50*BG150
UGT-Set B/51	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG143 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151

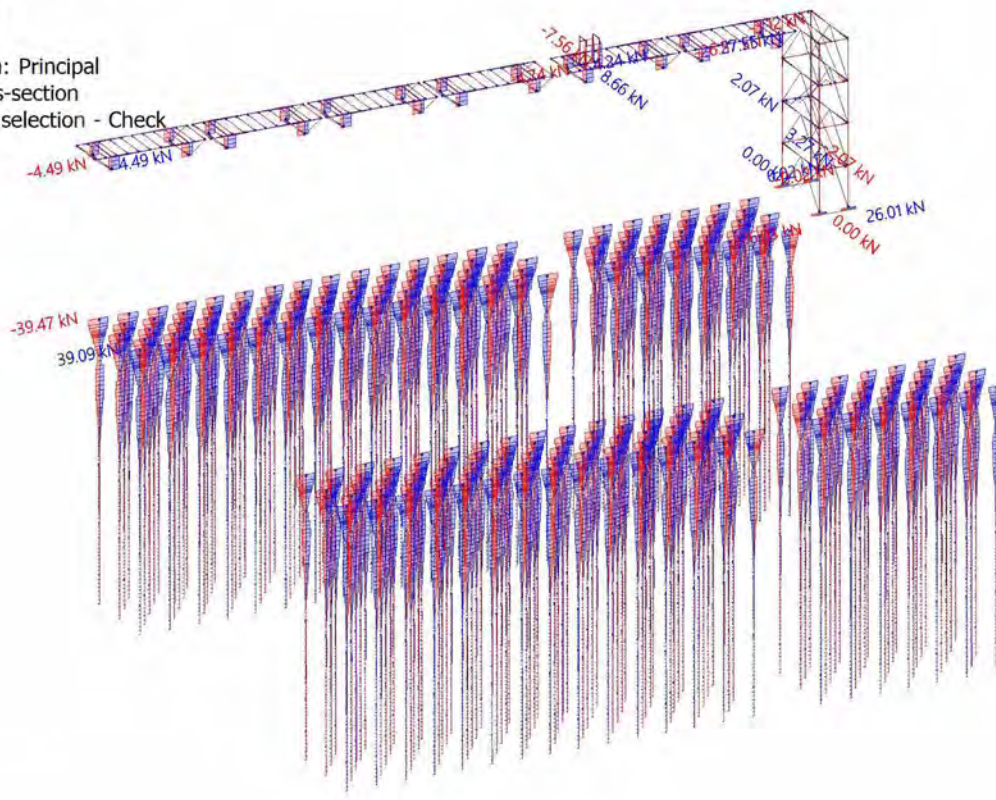
2.2.2.2. Resultaten - N

Values: **N**
Linear calculation
Class: Alle UGT
Coordinate system: Principal
Extreme 1D: Cross-section
Selection: Named selection - Check



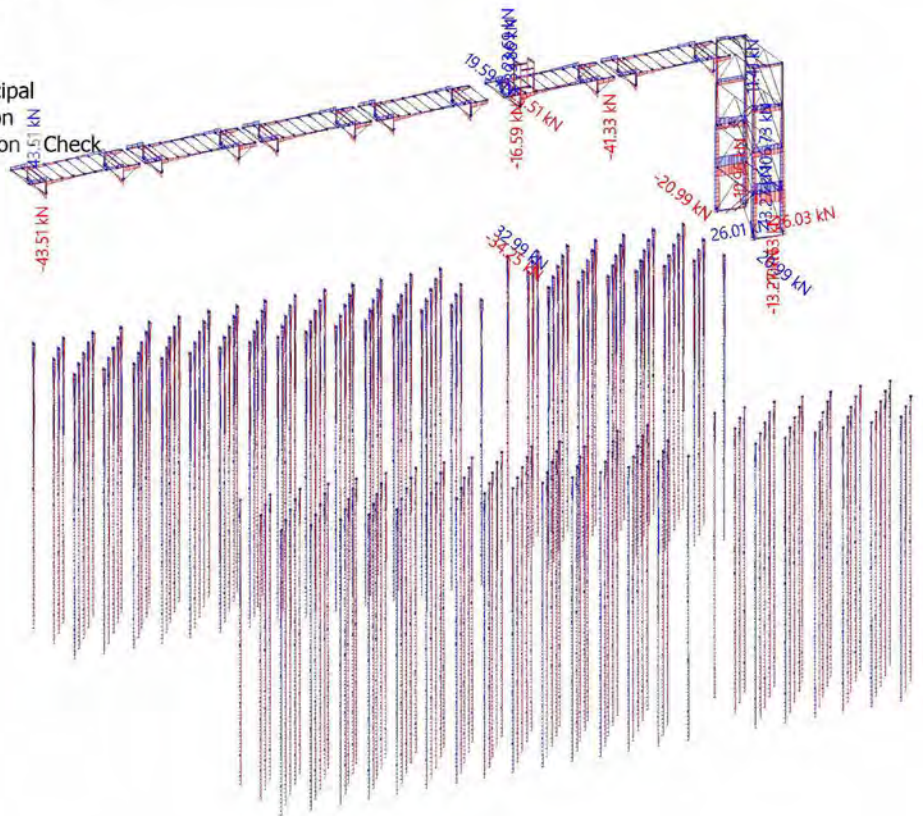
2.2.2.3. Resultaten - V_y

Values: **V_y**
Linear calculation
Class: Alle UGT
Coordinate system: Principal
Extreme 1D: Cross-section
Selection: Named selection - Check



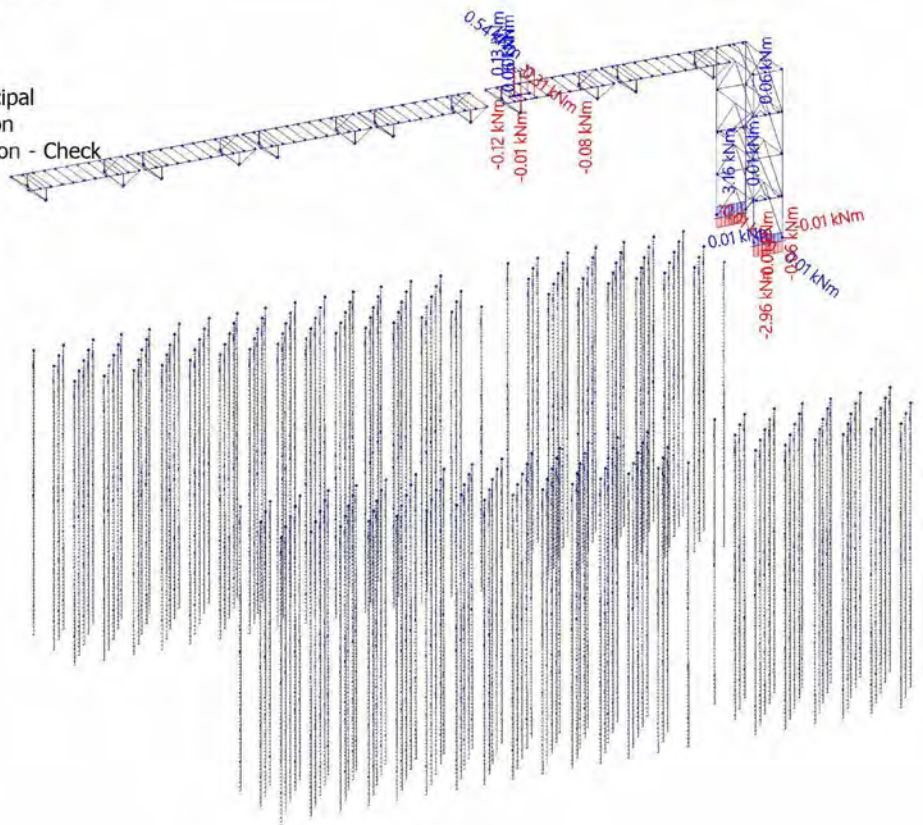
2.2.2.4. Resultaten - V_z

Values: V_z
Linear calculation
Class: Alle UGT
Coordinate system: Principal
Extreme 1D: Cross-section
Selection: Named selection - Check



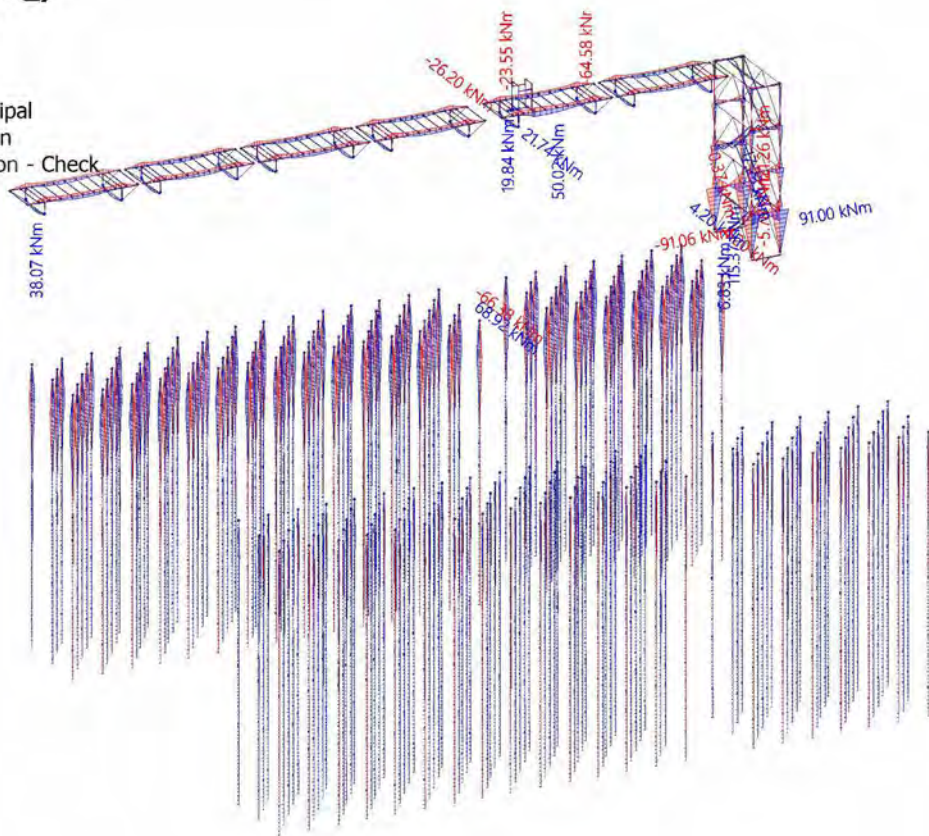
2.2.2.5. Resultaten - M_x

Values: M_x
Linear calculation
Class: Alle UGT
Coordinate system: Principal
Extreme 1D: Cross-section
Selection: Named selection - Check



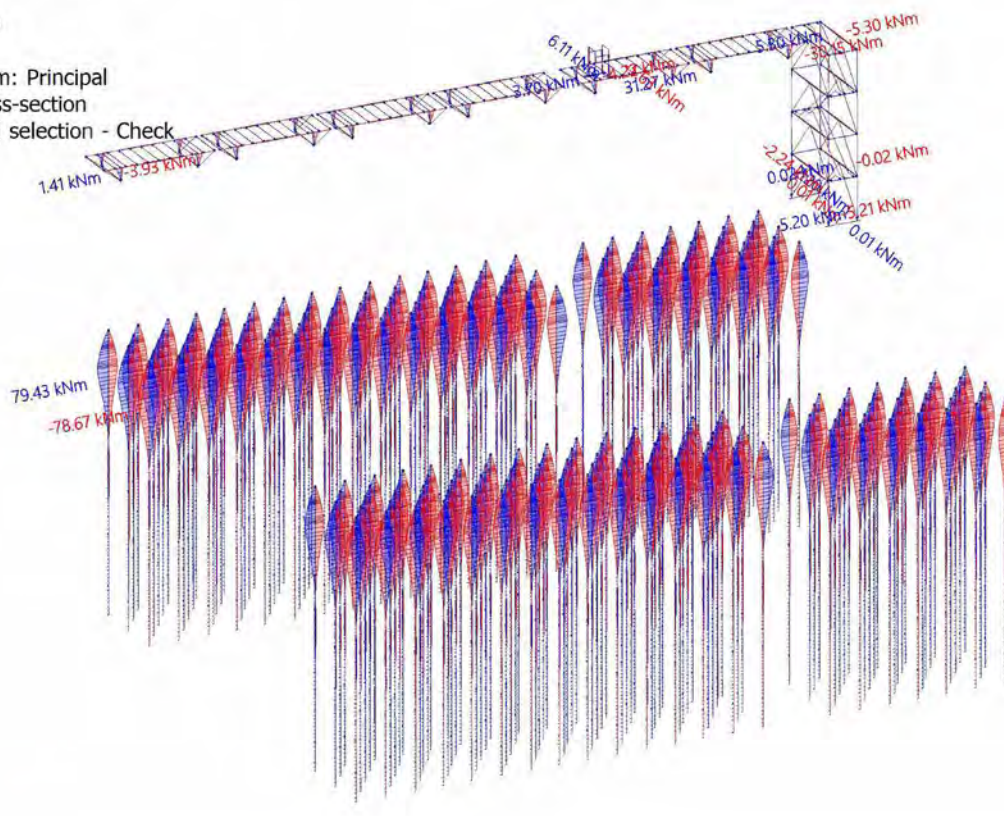
2.2.2.6. Resultaten - M_y

Values: M_y
Linear calculation
Class: Alle UGT
Coordinate system: Principal
Extreme 1D: Cross-section
Selection: Named selection - Check



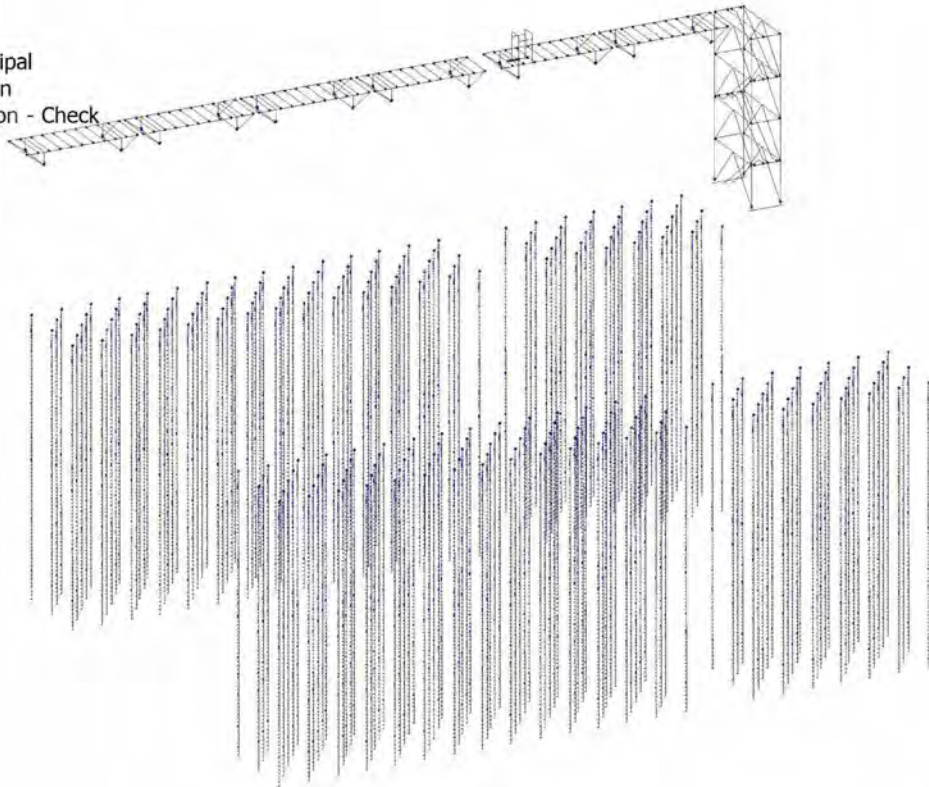
2.2.2.7. Resultaten - M_z

Values: M_z
Linear calculation
Class: Alle UGT
Coordinate system: Principal
Extreme 1D: Cross-section
Selection: Named selection - Check



2.2.2.8. Resultaten - V_r

Values: V_r
Linear calculation
Class: Alle UGT
Coordinate system: Principal
Extreme 1D: Cross-section
Selection: Named selection - Check



2.2.3. 3D stress

2.2.3.1. 3D stress

Linear calculation

Class: Alle UGT

Selection: Named selection - Check

Location: In nodes no avg.. System: LCS mesh element

Principal magnitudes

Results on 1D member

Extreme 1D: Cross-section

Name	dx [m]	Fibre	Case	Cross-section	σ_1 [MPa]	σ_2 [MPa]	T _{tot} [MPa]	σ_c [MPa]
S25	2.900-	2	UGT-Set B/1	CT-11 - Rectangle (600; 400)	0.2	-0.2	0.2	0.3
S29	3.700-	1	UGT-Set B/2	ST-11 - HEA240	0.0	-167.3	0.0	167.3
S46	0.000	14	UGT-Set B/2	ST-12 - IPE300	218.5	-1.0	14.5	219.0
S48	0.200	5	UGT-Set B/2	CT-12 - Rectangle (400; 400)	0.0	-2.1	0.0	2.1
S54	0.000	1	UGT-Set B/3	ST-13 - HEA140	0.0	-9.7	0.0	9.7
S71	0.000	3	UGT-Set B/4	ST-14 - UNP200	55.0	-54.8	54.9	95.1
S228	8.500-	5	UGT-Set B/5	ST-15 - UNP300	45.5	-223.0	100.7	248.9
S120	1.135	13	UGT-Set B/6	ST-18 - HEA220	0.0	-199.1	2.9	199.2
S349	0.000	1	UGT-Set B/7	ST-23 - IPE200	0.0	-240.7	0.4	240.7
S259	1.750	3	UGT-Set B/8	ST-20 - HEA260	58.3	0.0	0.3	58.3
S376	21.680-	6	UGT-Set B/9	ST-21 - Circle (540)	0.0	-16.4	0.0	16.4
S538	1.881	1	UGT-Set B/10	ST-24 - HEA120	16.8	0.0	0.0	16.8

Results on 2D member

Extreme 2D: Global

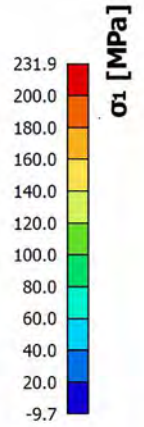
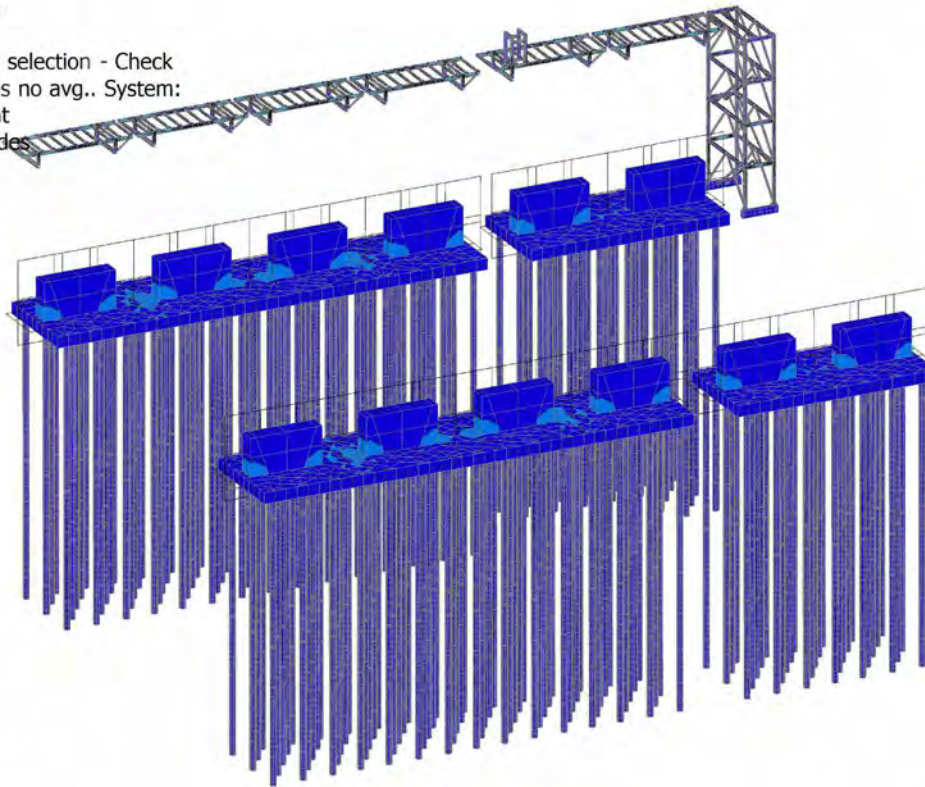
Name	Mesh	Position [m]	Case	σ_{c+}	σ_{t+}	σ_{c-}	$\alpha+$	T _{max,b} [MPa]	
				[MPa]	[MPa]	[MPa]	[deg]		
				σ_{c-}	σ_{t-}	σ_{c+}	$\alpha-$		
				[MPa]	[MPa]	[MPa]	[deg]		
E13	Element: 1555 Node: 686	50.500	UGT-Set B/11	35.3	-6.1	-37.9	65.20	0.0	
		51.000		35.2	-6.0	-37.8	65.39		
		0.000							
E15	Element: 1583 Node: 760	50.500	UGT-Set B/12	0.0	0.0	0.0	-89.95	0.0	
		61.220		0.0	0.0	0.0	89.76		
		-0.500							
E11	Element: 1539 Node: 674	12.500	UGT-Set B/13	35.3	-6.2	-38.0	65.17	0.0	
		51.000		35.3	-6.3	-38.1	64.97		
		0.000							
E1	Element: 538 Node: 73064	11.799	UGT-Set B/14	22.1	-17.3	-24.9	-37.03	4.4	
		21.431		22.0	24.8	17.3	52.52		
		-0.500							
E6	Element: 1224 Node: 73234	50.500	UGT-Set B/15	34.6	37.6	7.1	-89.99	3.7	
		12.000		34.6	-7.1	-37.6	0.01		
		-0.500							
E1	Element: 538 Node: 73064	11.799	UGT-Set B/16	19.8	22.5	7.5	-89.78	3.7	
		21.431		19.7	-7.5	-22.3	0.18		
		-0.500							
E1	Element: 541 Node: 195	13.250	UGT-Set B/17	26.7	-13.2	-30.8	-18.39	5.7	
		29.000		26.7	30.7	13.2	71.62		
		-0.500							
E11	Element: 1539 Node: 674	12.500	UGT-Set B/18	35.3	-6.2	-38.0	65.17	0.0	
		51.000		35.3	-6.3	-38.1	64.97		
		0.000							
E11	Element: 1539 Node: 674	12.500	UGT-Set B/19	35.3	-6.2	-38.0	65.17	0.0	
		51.000		35.3	-6.3	-38.1	64.97		
		0.000							
E1	Element: 18 Node: 75	16.520	UGT-Set B/20	0.0	0.0	0.0	6.13	0.0	
		23.050		0.0	0.0	0.0	-81.60		
		-0.500							
E6	Element: 1258 Node: 523	51.250	UGT-Set B/21	24.5	-4.5	-26.4	-13.96	10.1	
		29.000		24.3	26.3	4.5	75.99		

Name	Mesh	Position [m]	Case	σ_{E+}	σ_{1+}	σ_{2+}	$\alpha+$	$T_{max,b}$ [MPa]
				[MPa]	[MPa]	[MPa]	[deg]	
		-0.500		σ_{E-} [MPa]	σ_{1-} [MPa]	σ_{2-} [MPa]	$\alpha-$ [deg]	

Name	Combination key
UGT-Set B/1	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG148
UGT-Set B/2	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG148
UGT-Set B/3	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG148
UGT-Set B/4	1.20*BG101 + 1.20*BG102 + 1.50*BG131 + 1.50*BG148
UGT-Set B/5	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG141 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150
UGT-Set B/6	1.20*BG101 + 1.20*BG102 + 1.50*BG111 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150 + 1.50*BG151
UGT-Set B/7	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150 + 1.50*BG151
UGT-Set B/8	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG141 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150
UGT-Set B/9	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG143 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/10	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150 + 1.50*BG151
UGT-Set B/11	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG141 + 1.50*BG142 + 1.50*BG147 + 1.50*BG150 + 1.50*BG151
UGT-Set B/12	0.90*BG101 + 0.90*BG102 + 1.50*BG122 + 1.50*BG142 + 1.50*BG147 + 1.50*BG150
UGT-Set B/13	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG141 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150 + 1.50*BG151
UGT-Set B/14	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG144 + 1.50*BG145 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/15	1.35*BG101 + 1.35*BG102 + 1.50*BG143 + 1.50*BG144 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/16	0.90*BG101 + 0.90*BG102 + 1.50*BG122 + 1.50*BG143 + 1.50*BG146
UGT-Set B/17	0.90*BG101 + 0.90*BG102 + 1.50*BG121 + 1.50*BG144
UGT-Set B/18	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG141 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150
UGT-Set B/19	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150 + 1.50*BG151
UGT-Set B/20	0.90*BG101 + 0.90*BG102 + 1.50*BG124 + 1.50*BG144 + 1.50*BG145
UGT-Set B/21	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG144 + 1.50*BG149 + 1.50*BG151

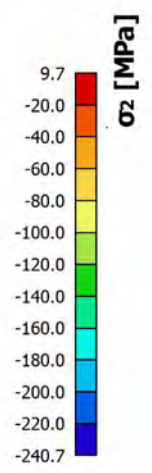
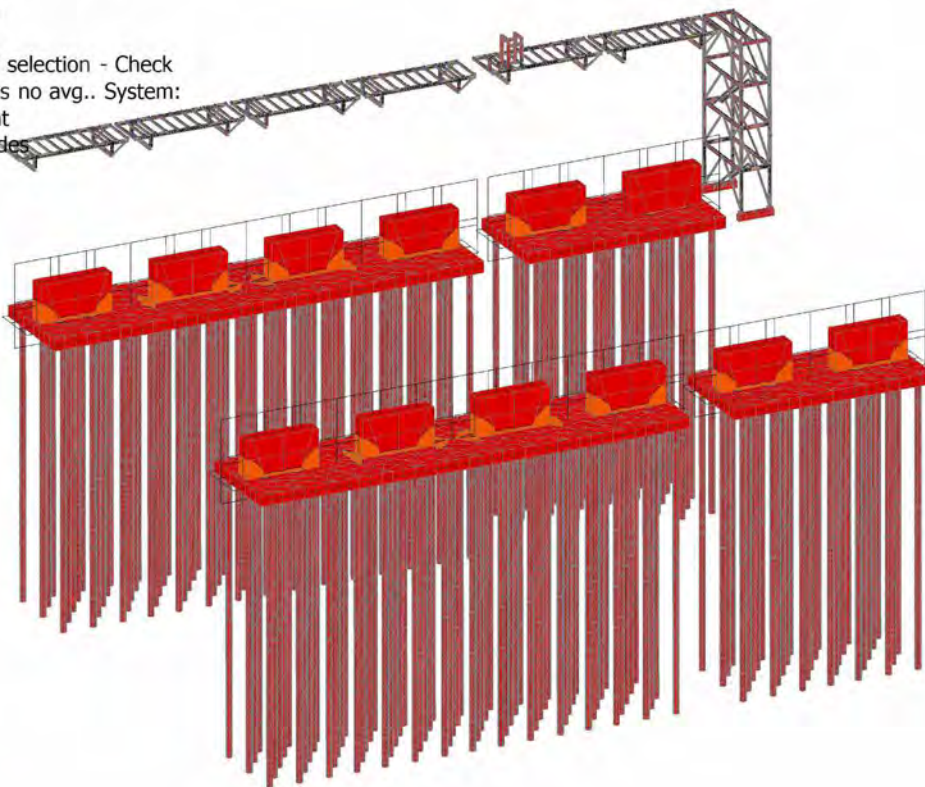
2.2.3.2. Resultaten - σ_1

Values: σ_1
Linear calculation
Class: Alle UGT
Selection: Named selection - Check
Location: In nodes no avg.. System:
LCS mesh element
Principal magnitudes



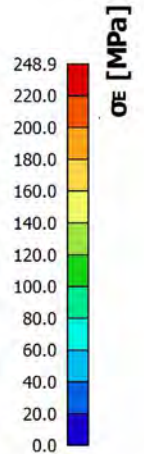
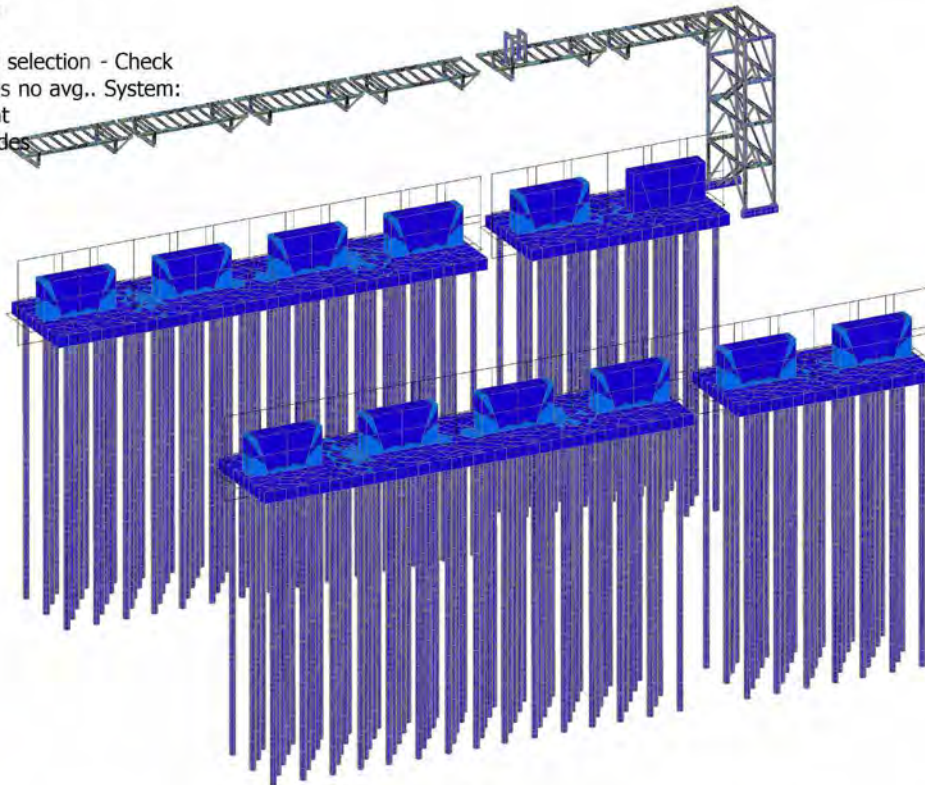
2.2.3.3. Resultaten - σ_2

Values: σ_2
Linear calculation
Class: Alle UGT
Selection: Named selection - Check
Location: In nodes no avg.. System:
LCS mesh element
Principal magnitudes



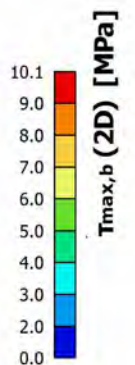
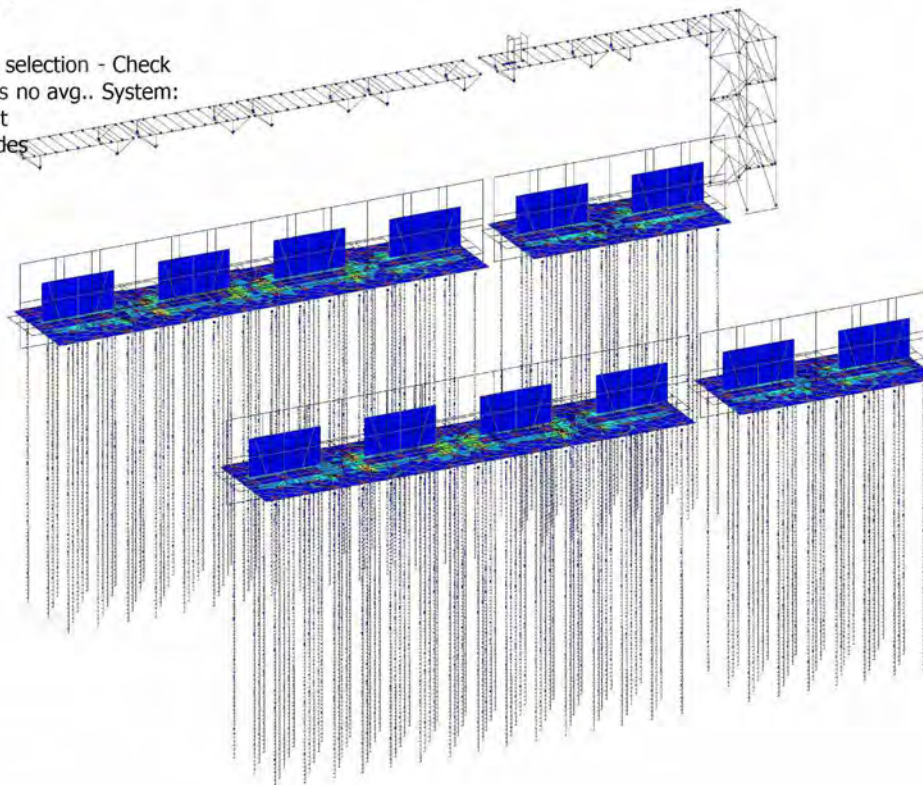
2.2.3.4. Resultaten - σ_E

Values: σ_E
 Linear calculation
 Class: Alle UGT
 Selection: Named selection - Check
 Location: In nodes no avg.. System:
 LCS mesh element
 Principal magnitudes



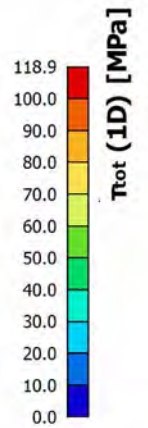
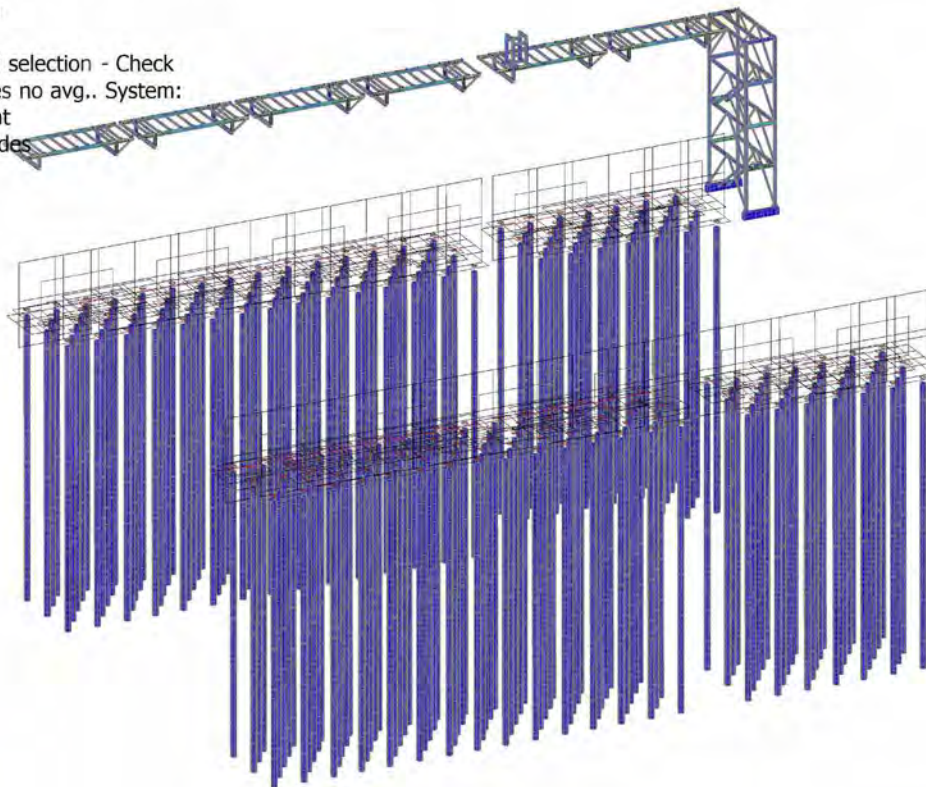
2.2.3.5. Resultaten - $\tau_{max,b}$ (2D)

Values: $\tau_{max,b}$ (2D)
 Linear calculation
 Class: Alle UGT
 Selection: Named selection - Check
 Location: In nodes no avg.. System:
 LCS mesh element
 Principal magnitudes



2.2.3.6. Resultaten - τ_{tot} (1D)

Values: τ_{tot} (1D)
Linear calculation
Class: Alle UGT
Selection: Named selection - Check
Location: In nodes no avg., System:
LCS mesh element
Principal magnitudes



2.2.4. 1D stress

2.2.4.1. 1D stresses

Linear calculation

Class: Alle UGT

Coordinate system: Principal

Extreme 1D: Cross-section

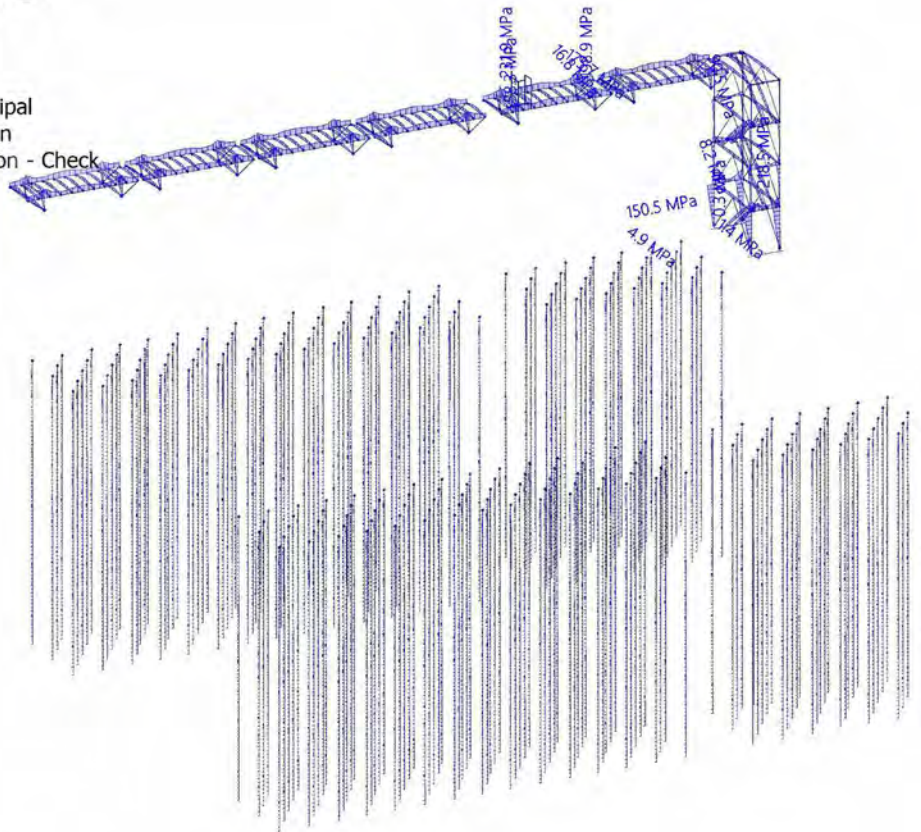
Selection: Named selection - Check

Name	dx [m]	Fibre	Case	Cross-section	σ_1 [MPa]	σ_2 [MPa]	T_{tot} [MPa]	σ_r [MPa]
S25	2.900-	2	UGT-Set B/1	CT-11 - Rectangle (600; 400)	0.2	-0.2	0.2	0.3
S29	3.700-	1	UGT-Set B/2	ST-11 - HEA240	0.0	-167.3	0.0	167.3
S46	0.000	14	UGT-Set B/2	ST-12 - IPE300	218.5	-1.0	14.5	219.0
S48	0.200	5	UGT-Set B/2	CT-12 - Rectangle (400; 400)	0.0	-2.1	0.0	2.1
S54	0.000	1	UGT-Set B/3	ST-13 - HEA140	0.0	-9.7	0.0	9.7
S71	0.000	3	UGT-Set B/4	ST-14 - UNP200	55.0	-54.8	54.9	95.1
S228	8.500-	5	UGT-Set B/5	ST-15 - UNP300	45.5	-223.0	100.7	248.9
S120	1.135	13	UGT-Set B/6	ST-18 - HEA220	0.0	-199.1	2.9	199.2
S349	0.000	1	UGT-Set B/7	ST-23 - IPE200	0.0	-240.7	0.4	240.7
S259	1.750	3	UGT-Set B/8	ST-20 - HEA260	58.3	0.0	0.3	58.3
S376	21.680-	6	UGT-Set B/9	ST-21 - Circle (540)	0.0	-16.4	0.0	16.4
S538	1.881	1	UGT-Set B/10	ST-24 - HEA120	16.8	0.0	0.0	16.8

Name	Combination key
UGT-Set B/1	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG148
UGT-Set B/2	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG148
UGT-Set B/3	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG148
UGT-Set B/4	1.20*BG101 + 1.20*BG102 + 1.50*BG131 + 1.50*BG148
UGT-Set B/5	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG141 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150
UGT-Set B/6	1.20*BG101 + 1.20*BG102 + 1.50*BG111 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150 + 1.50*BG151
UGT-Set B/7	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150 + 1.50*BG151
UGT-Set B/8	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG141 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150
UGT-Set B/9	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG143 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/10	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150 + 1.50*BG151

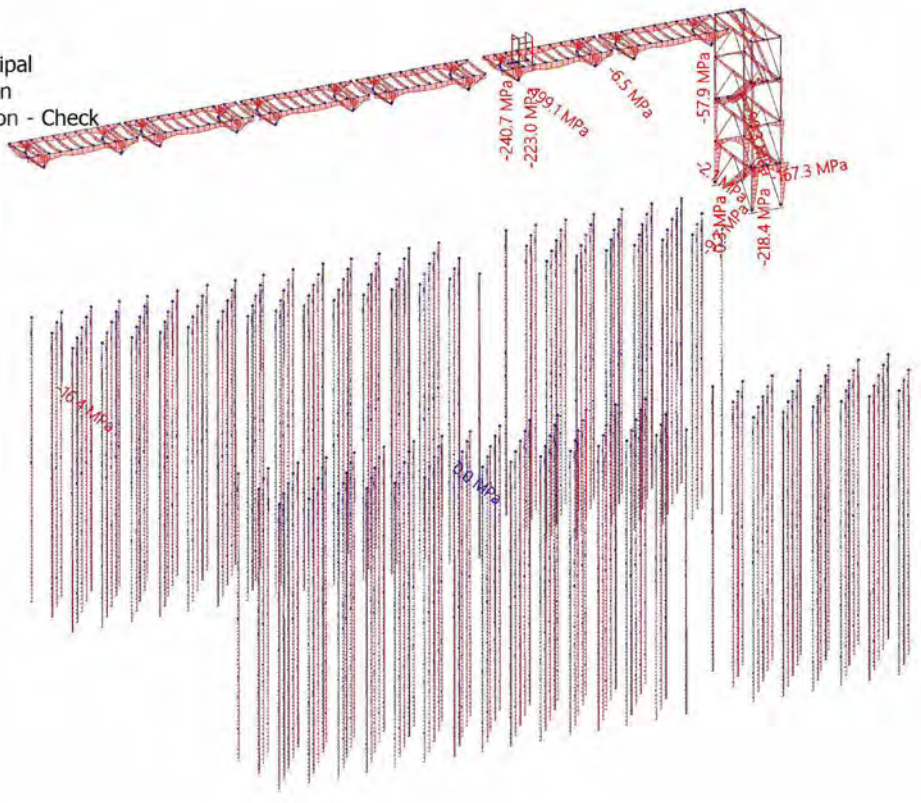
2.2.4.2. Resultaten - σ_1

Values: σ_1
 Linear calculation
 Class: Alle UGT
 Coordinate system: Principal
 Extreme 1D: Cross-section
 Selection: Named selection - Check



2.2.4.3. Resultaten - σ_2

Values: σ_2
 Linear calculation
 Class: Alle UGT
 Coordinate system: Principal
 Extreme 1D: Cross-section
 Selection: Named selection - Check



2.2.5. 2D stress

2.2.5.1. 2D stress/strain

Linear calculation

Class: Alle UGT

Extreme: Member

Selection: Named selection - Check

Location: In nodes avg. on macro. System: LCS mesh element

Principal stress

Name	Mesh	Position [m]	Case	σ_{1+}	σ_{2+}	σ_{3+}	$\alpha+$	$T_{max,b}$	
				[MPa]	[MPa]	[MPa]	[deg]		
				σ_{1-}	σ_{2-}	σ_{3-}	$\alpha-$		
				[MPa]	[MPa]	[MPa]	[deg]		
E1	Element: 535 Node: 194	11.750 22.500 -0.500	UGT-Set B/1	-10.4 18.5	-18.6 10.4	16.1 16.1	-18.55 71.52	2.1	
E1	Element: 31 Node: 161	12.230 20.500 -0.500	UGT-Set B/2	12.1 -3.4	3.4 -12.0	10.8 10.7	89.82 -0.06	0.7	
E1	Element: 492 Node: 22759	11.750 3.357 -0.500	UGT-Set B/3	-4.8 22.8	-22.8 4.8	20.8 20.8	89.91 -0.23	2.7	
E1	Element: 492 Node: 22759	11.750 3.357 -0.500	UGT-Set B/4	-4.8 22.8	-22.8 4.8	20.8 20.8	89.84 -0.12	2.7	
E1	Element: 31 Node: 161	12.230 20.500 -0.500	UGT-Set B/5	12.0 -3.4	3.4 -11.9	10.7 10.6	89.80 -0.08	0.7	
E1	Element: 512 Node: 29274	12.500 12.000 -0.500	UGT-Set B/6	25.7 -1.7	1.7 -25.6	24.9 24.9	-85.66 4.34	3.4	
E1	Element: 23 Node: 94	16.250 38.680 -0.500	UGT-Set B/7	0.0 0.0	0.0 0.0	0.0 0.0	-83.87 13.69	0.0	
E1	Element: 23 Node: 94	16.250 38.680 -0.500	UGT-Set B/8	0.0 0.0	0.0 0.0	0.0 0.0	41.55 12.91	0.0	
E1	Element: 506 Node: 190	11.750 12.000 -0.500	UGT-Set B/6	25.6 3.2	-3.2 -25.6	27.4 27.3	86.73 -3.27	3.8	
E1	Element: 38 Node: 152	12.500 28.720 -0.500	UGT-Set B/9	0.2 0.0	0.0 -0.2	0.2 0.2	90.00 0.00	0.0	
E1	Element: 93 Node: 192	13.250 12.000 -0.500	UGT-Set B/10	3.7 5.8	-5.8 -3.7	8.3 8.3	70.04 -19.86	5.3	
E2	Element: 738 Node: 314	12.500 8.000 0.000	UGT-Set B/11	-3.7 -3.8	-18.0 -18.1	16.5 16.5	59.48 59.24	0.0	
E2	Element: 739 Node: 73145	12.500 1.500 1.700	UGT-Set B/12	10.3 10.3	-3.0 -3.0	12.0 12.0	-17.26 -17.26	0.0	
E2	Element: 738 Node: 314	12.500 8.000 0.000	UGT-Set B/13	-3.7 -3.8	-18.0 -18.1	16.5 16.5	59.48 59.24	0.0	
E2	Element: 739 Node: 73145	12.500 1.500 1.700	UGT-Set B/14	10.3 10.3	-3.0 -3.0	12.0 12.0	-17.26 -17.26	0.0	
E2	Element: 735 Node: 313	12.500 1.500 0.000	UGT-Set B/11	-3.4 -3.4	-18.4 -18.5	17.0 17.0	-58.60 -58.44	0.0	
E2	Element: 740 Node: 73151	12.500 4.750 3.400	UGT-Set B/15	0.9 0.5	0.3 -0.1	0.8 0.5	45.26 35.19	0.1	
E2	Element: 735 Node: 313	12.500 1.500 0.000	UGT-Set B/16	-3.4 -3.4	-18.4 -18.5	17.0 17.0	-58.60 -58.44	0.0	
E2	Element: 735 Node: 73143	12.500 3.125	UGT-Set B/17	6.9 6.9	0.1 0.1	6.8 6.8	13.12 13.10	0.0	

Name	Mesh	Position [m]	Case	σ_{1+}	σ_{2+}	σ_{E+}	$\alpha+$	$T_{max,b}$ [MPa]	
				[MPa]	[MPa]	[MPa]	[deg]		
				σ_{1-}	σ_{2-}	σ_{E-}	$\alpha-$		
				[MPa]	[MPa]	[MPa]	[deg]		
		0.000							
E2	Element: 740 Node: 73151	12.500 4.750 3.400	UGT-Set B/18	0.1 0.1	0.0 0.0	0.1 0.1	81.18 -54.77	0.0	
E2	Element: 735 Node: 73145	12.500 1.500 1.700	UGT-Set B/11	0.5 0.4	-17.4 -17.4	17.6 17.6	-65.63 -65.46	0.0	
E2	Element: 740 Node: 73151	12.500 4.750 3.400	UGT-Set B/19	0.1 0.1	0.0 0.0	0.1 0.1	78.58 -54.52	0.0	
E2	Element: 735 Node: 73145	12.500 1.500 1.700	UGT-Set B/13	0.5 0.4	-17.4 -17.4	17.6 17.6	-65.63 -65.46	0.0	
E2	Element: 736 Node: 73147	12.500 4.750 1.700	UGT-Set B/20	6.5 6.5	-1.5 -1.5	7.3 7.3	11.08 11.07	0.0	
E2	Element: 735 Node: 313	12.500 1.500 0.000	UGT-Set B/21	-1.4 -1.5	-9.2 -6.4	8.6 5.8	-22.54 -27.73	0.6	
E3	Element: 746 Node: 320	12.500 18.500 0.000	UGT-Set B/22	-3.7 -3.8	-18.0 -18.1	16.5 16.5	59.48 59.24	0.0	
E3	Element: 747 Node: 73154	12.500 12.000 1.700	UGT-Set B/23	10.3 10.3	-3.0 -3.0	12.0 12.0	-17.26 -17.26	0.0	
E3	Element: 746 Node: 320	12.500 18.500 0.000	UGT-Set B/24	-3.7 -3.8	-18.0 -18.1	16.5 16.5	59.48 59.24	0.0	
E3	Element: 747 Node: 73154	12.500 12.000 1.700	UGT-Set B/25	10.3 10.3	-3.0 -3.0	12.0 12.0	-17.26 -17.26	0.0	
E3	Element: 743 Node: 319	12.500 12.000 0.000	UGT-Set B/26	-3.4 -3.4	-18.4 -18.5	17.0 17.0	-58.60 -58.43	0.0	
E3	Element: 748 Node: 73160	12.500 15.250 3.400	UGT-Set B/15	0.9 0.5	0.3 -0.1	0.8 0.5	45.27 35.24	0.1	
E3	Element: 743 Node: 319	12.500 12.000 0.000	UGT-Set B/27	-3.4 -3.4	-18.4 -18.5	17.0 17.0	-58.60 -58.43	0.0	
E3	Element: 744 Node: 73152	12.500 13.625 0.000	UGT-Set B/28	6.9 6.9	0.1 0.1	6.8 6.8	13.12 13.10	0.0	
E3	Element: 743 Node: 73154	12.500 12.000 1.700	UGT-Set B/26	0.5 0.4	-17.4 -17.4	17.6 17.6	-65.63 -65.46	0.0	
E3	Element: 748 Node: 73160	12.500 15.250 3.400	UGT-Set B/29	0.1 0.1	0.0 0.0	0.1 0.1	81.57 -54.93	0.0	
E3	Element: 743 Node: 73154	12.500 12.000 1.700	UGT-Set B/27	0.5 0.4	-17.4 -17.4	17.6 17.6	-65.63 -65.46	0.0	
E3	Element: 749 Node: 73158	12.500 17.438 1.700	UGT-Set B/30	5.8 5.8	-3.1 -3.1	7.8 7.8	21.56 21.56	0.0	
E3	Element: 743 Node: 319	12.500 12.000 0.000	UGT-Set B/31	-1.4 -1.5	-9.2 -6.4	8.6 5.8	-22.54 -27.72	0.6	
E4	Element: 751 Node: 325	12.500 22.500 0.000	UGT-Set B/32	-3.8 -3.8	-18.0 -18.0	16.4 16.4	-59.61 -59.42	0.0	
E4	Element: 758 Node: 73168	12.500 29.000 1.700	UGT-Set B/33	10.3 10.3	-2.9 -2.9	12.0 12.0	17.35 17.33	0.0	
E4	Element: 751	12.500	UGT-Set B/16	-3.8	-18.0	16.4	-59.61	0.0	

Name	Mesh	Position [m]	Case	σ_{1+} [MPa]	σ_{2+} [MPa]	σ_{E+} [MPa]	$\alpha+$ [deg]	$T_{max,b}$ [MPa]
				σ_{1-} [MPa]	σ_{2-} [MPa]	σ_{E-} [MPa]	$\alpha-$ [deg]	
	Node: 325	22.500 0.000		-3.8	-18.0	16.4	-59.42	
E4	Element: 758 Node: 73168	12.500 29.000 1.700	UGT-Set B/34	10.3 10.3	-2.9 -2.9	12.0 12.0	17.35 17.33	0.0
E4	Element: 754 Node: 326	12.500 29.000 0.000	UGT-Set B/35	-3.4 -3.4	-18.4 -18.5	17.0 17.0	58.67 58.43	0.0
E4	Element: 756 Node: 73169	12.500 25.750 3.400	UGT-Set B/36	3.3 3.2	1.2 1.2	2.9 2.8	24.08 23.96	0.0
E4	Element: 754 Node: 326	12.500 29.000 0.000	UGT-Set B/37	-3.4 -3.4	-18.4 -18.5	17.0 17.0	58.67 58.43	0.0
E4	Element: 756 Node: 73169	12.500 25.750 3.400	UGT-Set B/38	3.3 3.2	1.2 1.2	2.9 2.8	24.09 23.96	0.0
E4	Element: 754 Node: 73168	12.500 29.000 1.700	UGT-Set B/35	0.8 0.7	-17.3 -17.3	17.7 17.7	66.16 65.98	0.0
E4	Element: 756 Node: 73169	12.500 25.750 3.400	UGT-Set B/39	0.1 0.1	0.0 0.0	0.1 0.1	51.68 -76.99	0.0
E4	Element: 754 Node: 73168	12.500 29.000 1.700	UGT-Set B/11	0.8 0.7	-17.3 -17.3	17.7 17.7	66.16 65.98	0.0
E4	Element: 753 Node: 73167	12.500 27.938 1.700	UGT-Set B/30	8.8 8.8	-2.7 -2.7	10.4 10.4	-16.85 -16.82	0.0
E4	Element: 754 Node: 326	12.500 29.000 0.000	UGT-Set B/40	-1.6 -1.4	-6.3 -9.3	5.7 8.7	27.68 22.38	0.7
E5	Element: 762 Node: 332	12.500 39.500 0.000	UGT-Set B/11	-3.7 -3.8	-18.0 -18.1	16.5 16.5	59.49 59.24	0.0
E5	Element: 763 Node: 73172	12.500 33.000 1.700	UGT-Set B/41	10.3 10.3	-3.0 -3.0	12.0 12.0	-17.26 -17.26	0.0
E5	Element: 762 Node: 332	12.500 39.500 0.000	UGT-Set B/42	-3.7 -3.8	-18.0 -18.1	16.5 16.5	59.49 59.24	0.0
E5	Element: 763 Node: 73172	12.500 33.000 1.700	UGT-Set B/43	10.3 10.3	-3.0 -3.0	12.0 12.0	-17.26 -17.26	0.0
E5	Element: 759 Node: 331	12.500 33.000 0.000	UGT-Set B/44	-3.4 -3.4	-18.4 -18.5	17.0 17.0	-58.60 -58.43	0.0
E5	Element: 764 Node: 73178	12.500 36.250 3.400	UGT-Set B/45	0.7 0.4	0.4 0.0	0.6 0.4	45.51 32.10	0.1
E5	Element: 759 Node: 331	12.500 33.000 0.000	UGT-Set B/46	-3.4 -3.4	-18.4 -18.5	17.0 17.0	-58.60 -58.43	0.0
E5	Element: 760 Node: 73170	12.500 34.625 0.000	UGT-Set B/14	6.9 6.9	0.1 0.1	6.8 6.8	13.12 13.10	0.0
E5	Element: 764 Node: 73178	12.500 36.250 3.400	UGT-Set B/47	0.1 0.2	0.0 -0.1	0.1 0.2	-57.27 -50.17	0.0
E5	Element: 759 Node: 73172	12.500 33.000 1.700	UGT-Set B/16	0.5 0.4	-17.4 -17.4	17.6 17.6	-65.63 -65.46	0.0
E5	Element: 760 Node: 73173	12.500 36.250 0.000	UGT-Set B/48	0.0 0.0	-0.2 -0.2	0.2 0.1	-34.24 -17.84	0.0

Name	Mesh	Position [m]	Case	σ_{1+}	σ_{2+}	σ_{E+}	$\alpha+$	$T_{max,b}$ [MPa]	
				[MPa]	[MPa]	[MPa]	[deg]		
				σ_{1-}	σ_{2-}	σ_{E-}	$\alpha-$		
				[MPa]	[MPa]	[MPa]	[deg]		
E5	Element: 759 Node: 73172	12.500 33.000 1.700	UGT-Set B/46	0.5 0.4	-17.4 -17.4	17.6 17.6	-65.63 -65.46	0.0	
E5	Element: 765 Node: 73176	12.500 38.438 1.700	UGT-Set B/49	5.8 5.8	-3.1 -3.1	7.8 7.8	21.56 21.57	0.0	
E5	Element: 759 Node: 331	12.500 33.000 0.000	UGT-Set B/50	-1.4 -1.5	-9.2 -6.4	8.5 5.8	-22.53 -27.74	0.7	
E6	Element: 1226 Node: 73458	49.371 20.014 -0.500	UGT-Set B/51	-10.1 11.9	-12.0 10.1	11.1 11.1	1.72 -88.27	2.2	
E6	Element: 807 Node: 501	50.230 20.500 -0.500	UGT-Set B/52	12.0 -3.6	3.6 -11.9	10.7 10.6	89.88 -0.12	0.6	
E6	Element: 1303 Node: 73215	49.750 3.357 -0.500	UGT-Set B/53	-4.4 22.4	-22.4 4.4	20.5 20.5	88.67 -1.45	2.8	
E6	Element: 807 Node: 501	50.230 20.500 -0.500	UGT-Set B/54	11.9 -3.6	3.6 -11.8	10.6 10.5	89.87 -0.13	0.5	
E6	Element: 1334 Node: 73234	50.500 12.000 -0.500	UGT-Set B/55	26.1 -1.9	1.9 -26.1	25.2 25.2	-86.36 3.64	3.7	
E6	Element: 771 Node: 358	54.250 38.680 -0.500	UGT-Set B/56	0.0 0.0	0.0 0.0	0.0 0.0	-87.33 19.92	0.0	
E6	Element: 771 Node: 358	54.250 38.680 -0.500	UGT-Set B/57	0.0 0.0	0.0 0.0	0.0 0.0	40.35 -62.30	0.0	
E6	Element: 1331 Node: 535	49.750 12.000 -0.500	UGT-Set B/55	26.1 3.5	-3.5 -26.1	28.0 28.0	86.96 -3.04	4.0	
E6	Element: 798 Node: 464	50.500 7.720 -0.500	UGT-Set B/58	0.1 0.1	-0.1 -0.1	0.2 0.2	90.00 0.00	0.0	
E6	Element: 911 Node: 536	51.250 12.000 -0.500	UGT-Set B/59	3.6 5.6	-5.6 -3.6	8.1 8.1	70.43 -19.50	5.3	
E7	Element: 1508 Node: 652	50.500 1.500 3.400	UGT-Set B/60	-6.7 -6.7	-11.1 -11.0	9.6 9.6	52.15 52.59	0.0	
E7	Element: 1508 Node: 652	50.500 1.500 3.400	UGT-Set B/61	8.1 8.1	-1.3 -1.3	8.9 8.9	-24.11 -24.13	0.0	
E7	Element: 1508 Node: 652	50.500 1.500 3.400	UGT-Set B/62	-6.7 -6.7	-11.1 -11.0	9.6 9.6	52.15 52.59	0.0	
E7	Element: 1508 Node: 652	50.500 1.500 3.400	UGT-Set B/63	8.1 8.1	-1.3 -1.3	8.9 8.9	-24.11 -24.13	0.0	
E7	Element: 1504 Node: 649	50.500 1.500 0.000	UGT-Set B/60	-2.5 -2.5	-14.7 -14.6	13.6 13.5	-50.53 -50.78	0.0	
E7	Element: 1509 Node: 73583	50.500 4.750 3.400	UGT-Set B/64	3.2 3.2	1.2 1.2	2.8 2.8	-23.26 -23.05	0.0	
E7	Element: 1504 Node: 649	50.500 1.500 0.000	UGT-Set B/65	-2.5 -2.5	-14.7 -14.6	13.6 13.5	-50.54 -50.78	0.0	
E7	Element: 1509 Node: 73583	50.500 4.750 3.400	UGT-Set B/66	3.2 3.2	1.2 1.2	2.8 2.8	-23.26 -23.05	0.0	
E7	Element: 1509 Node: 73583	50.500 4.750	UGT-Set B/67	0.0 0.1	0.0 0.0	0.1 0.1	31.89 36.02	0.0	

Name	Mesh	Position [m]	Case	σ_{1+}	σ_{2+}	σ_{E+}	$\alpha+$	$T_{max,b}$ [MPa]
				[MPa]	[MPa]	[MPa]	[deg]	
				σ_{1-}	σ_{2-}	σ_{E-}	$\alpha-$	
				[MPa]	[MPa]	[MPa]	[deg]	
E7	Element: 1508 Node: 652	3.400 50.500 1.500 3.400	UGT-Set B/68	7.7 7.7	-8.2 -8.2	13.8 13.8	-20.86 -21.01	0.0
E7	Element: 1509 Node: 73583	3.400 50.500 4.750 3.400	UGT-Set B/69	0.0 0.1	0.0 0.0	0.1 0.1	31.91 36.00	0.0
E7	Element: 1508 Node: 652	3.400 50.500 1.500 3.400	UGT-Set B/70	7.7 7.7	-8.2 -8.2	13.8 13.8	-20.86 -21.01	0.0
E7	Element: 1506 Node: 73579	3.400 50.500 4.750 1.700	UGT-Set B/71	1.2 1.2	-3.2 -3.2	3.9 3.9	75.75 75.77	0.0
E7	Element: 1507 Node: 650	0.000 50.500 8.000 0.000	UGT-Set B/72	-1.9 -1.9	-9.9 -10.0	9.1 9.2	15.49 15.49	0.0
E8	Element: 1515 Node: 656	0.000 50.500 18.500 0.000	UGT-Set B/73	-3.7 -3.7	-17.9 -17.9	16.4 16.4	59.62 59.82	0.0
E8	Element: 1516 Node: 73588	1.700 50.500 12.000 1.700	UGT-Set B/74	10.3 10.3	-2.9 -2.9	12.0 12.0	-17.31 -17.33	0.0
E8	Element: 1515 Node: 656	0.000 50.500 18.500 0.000	UGT-Set B/62	-3.7 -3.7	-17.9 -17.9	16.4 16.4	59.62 59.82	0.0
E8	Element: 1516 Node: 73588	1.700 50.500 12.000 1.700	UGT-Set B/75	10.3 10.3	-2.9 -2.9	12.0 12.0	-17.31 -17.33	0.0
E8	Element: 1512 Node: 655	0.000 50.500 12.000 0.000	UGT-Set B/76	-3.4 -3.3	-18.4 -18.3	17.0 16.9	-58.60 -58.81	0.0
E8	Element: 1517 Node: 73594	3.400 50.500 15.250 3.400	UGT-Set B/77	3.2 3.2	1.2 1.2	2.8 2.8	-22.66 -22.44	0.0
E8	Element: 1512 Node: 655	0.000 50.500 12.000 0.000	UGT-Set B/78	-3.4 -3.3	-18.4 -18.3	17.0 16.9	-58.60 -58.81	0.0
E8	Element: 1517 Node: 73594	3.400 50.500 15.250 3.400	UGT-Set B/79	3.2 3.2	1.2 1.2	2.8 2.8	-22.66 -22.44	0.0
E8	Element: 1517 Node: 73594	3.400 50.500 15.250 3.400	UGT-Set B/80	0.1 0.1	0.0 0.0	0.1 0.1	62.11 61.10	0.0
E8	Element: 1517 Node: 73594	3.400 50.500 15.250 3.400	UGT-Set B/81	0.1 0.1	0.0 0.0	0.1 0.1	-44.81 -57.59	0.0
E8	Element: 1512 Node: 73588	1.700 50.500 12.000 1.700	UGT-Set B/82	0.8 0.8	-17.3 -17.2	17.7 17.6	-66.08 -66.24	0.0
E8	Element: 1514 Node: 73590	1.700 50.500 15.250 1.700	UGT-Set B/83	0.8 0.8	-3.2 -3.2	3.6 3.6	75.14 75.16	0.0
E8	Element: 1515 Node: 656	0.000 50.500 18.500 0.000	UGT-Set B/84	-1.8 -1.9	-10.0 -10.1	9.2 9.3	16.99 17.01	0.0
E9	Element: 1524 Node: 664	3.400 50.500 22.500 3.400	UGT-Set B/85	-6.8 -6.9	-10.9 -10.9	9.5 9.5	52.71 53.19	0.0
E9	Element: 1527 Node: 73604	1.700 50.500 29.000 1.700	UGT-Set B/86	10.3 10.3	-2.9 -2.9	12.0 12.0	17.32 17.32	0.0
E9	Element: 1524 Node: 664	3.400 50.500 22.500 3.400	UGT-Set B/87	-6.8 -6.9	-10.9 -10.9	9.5 9.5	52.71 53.19	0.0
E9	Element: 1527	50.500	UGT-Set B/75	10.3	-2.9	12.0	17.32	0.0

Name	Mesh	Position [m]	Case	σ_{1+}	σ_{2+}	σ_{E+}	$\alpha+$	$T_{max,b}$ [MPa]	
				[MPa]	[MPa]	[MPa]	[deg]		
				σ_{1-}	σ_{2-}	σ_{E-}	$\alpha-$		
				[MPa]	[MPa]	[MPa]	[deg]		
	Node: 73604	29.000 1.700		10.3	-2.9	12.0	17.32		
E9	Element: 1523 Node: 662	50.500 29.000 0.000	UGT-Set B/88	-3.3 -3.3	-18.4 -18.3	17.0 16.9	58.62 58.78	0.0	
E9	Element: 1522 Node: 73600	50.500 27.375 0.000	UGT-Set B/89	6.9 6.9	0.2 0.2	6.8 6.8	-12.58 -12.60	0.0	
E9	Element: 1523 Node: 662	50.500 29.000 0.000	UGT-Set B/24	-3.3 -3.3	-18.4 -18.3	17.0 16.9	58.62 58.78	0.0	
E9	Element: 1522 Node: 73600	50.500 27.375 0.000	UGT-Set B/90	6.9 6.9	0.2 0.2	6.8 6.8	-12.58 -12.60	0.0	
E9	Element: 1523 Node: 73604	50.500 29.000 1.700	UGT-Set B/91	0.8 0.8	-17.3 -17.2	17.7 17.7	66.07 66.24	0.0	
E9	Element: 1525 Node: 73605	50.500 25.750 3.400	UGT-Set B/92	0.0 0.0	0.0 0.0	0.0 0.1	-60.91 -77.35	0.0	
E9	Element: 1523 Node: 73604	50.500 29.000 1.700	UGT-Set B/24	0.8 0.8	-17.3 -17.2	17.7 17.7	66.07 66.24	0.0	
E9	Element: 1525 Node: 73599	50.500 25.750 1.700	UGT-Set B/93	0.5 0.5	-7.8 -7.8	8.1 8.1	-89.57 -89.58	0.0	
E9	Element: 1520 Node: 661	50.500 22.500 0.000	UGT-Set B/94	-1.9 -1.9	-10.1 -9.8	9.3 9.1	-15.79 -15.76	0.0	
E10	Element: 1531 Node: 668	50.500 39.500 0.000	UGT-Set B/95	-3.7 -3.7	-18.0 -18.0	16.5 16.4	59.48 59.68	0.0	
E10	Element: 1532 Node: 73611	50.500 33.000 1.700	UGT-Set B/96	10.3 10.3	-3.0 -3.0	12.0 12.0	-17.23 -17.25	0.0	
E10	Element: 1531 Node: 668	50.500 39.500 0.000	UGT-Set B/97	-3.7 -3.7	-18.0 -18.0	16.5 16.4	59.48 59.68	0.0	
E10	Element: 1532 Node: 73611	50.500 33.000 1.700	UGT-Set B/98	10.3 10.3	-3.0 -3.0	12.0 12.0	-17.23 -17.25	0.0	
E10	Element: 1528 Node: 667	50.500 33.000 0.000	UGT-Set B/73	-3.3 -3.3	-18.4 -18.4	17.0 17.0	-58.55 -58.76	0.0	
E10	Element: 1528 Node: 667	50.500 33.000 0.000	UGT-Set B/65	-3.3 -3.3	-18.4 -18.4	17.0 17.0	-58.55 -58.76	0.0	
E10	Element: 1533 Node: 73621	50.500 36.250 3.400	UGT-Set B/99	0.5 0.6	0.2 0.2	0.5 0.5	-35.90 -35.76	0.0	
E10	Element: 1533 Node: 73621	50.500 36.250 3.400	UGT-Set B/100	0.0 0.0	0.0 0.0	0.0 0.1	-65.72 -80.14	0.0	
E10	Element: 1528 Node: 73611	50.500 33.000 1.700	UGT-Set B/101	0.5 0.5	-17.4 -17.3	17.6 17.6	-65.55 -65.72	0.0	
E10	Element: 1530 Node: 73613	50.500 36.250 1.700	UGT-Set B/102	6.5 6.5	-1.5 -1.5	7.3 7.3	-11.11 -11.12	0.0	
E10	Element: 1531 Node: 668	50.500 39.500 0.000	UGT-Set B/72	-1.8 -1.9	-10.0 -10.1	9.2 9.3	17.01 17.02	0.0	
E11	Element: 1539 Node: 674	12.500 51.000 0.000	UGT-Set B/103	-3.7 -3.8	-18.0 -18.1	16.5 16.5	59.47 59.23	0.0	

Name	Mesh	Position [m]	Case	σ_{1+}	σ_{2+}	σ_{E+}	$\alpha+$	$T_{max,b}$ [MPa]	
				[MPa]	[MPa]	[MPa]	[deg]		
				σ_{1-}	σ_{2-}	σ_{E-}	$\alpha-$		
				[MPa]	[MPa]	[MPa]	[deg]		
E11	Element: 1540 Node: 73624	12.500 44.500 1.700	UGT-Set B/104	10.3 10.3	-3.0 -3.0	12.0 12.0	-17.27 -17.26	0.0	
E11	Element: 1539 Node: 674	12.500 51.000 0.000	UGT-Set B/105	-3.7 -3.8	-18.0 -18.1	16.5 16.5	59.47 59.23	0.0	
E11	Element: 1540 Node: 73624	12.500 44.500 1.700	UGT-Set B/14	10.3 10.3	-3.0 -3.0	12.0 12.0	-17.26 -17.26	0.0	
E11	Element: 1541 Node: 73631	12.500 47.750 3.400	UGT-Set B/106	0.8 0.4	0.4 0.0	0.7 0.4	45.47 30.45	0.1	
E11	Element: 1536 Node: 673	12.500 44.500 0.000	UGT-Set B/107	-3.4 -3.4	-18.4 -18.5	17.0 17.0	-58.59 -58.42	0.0	
E11	Element: 1541 Node: 73631	12.500 47.750 3.400	UGT-Set B/108	-0.1 0.3	-0.2 0.1	0.2 0.2	-31.23 -82.94	0.1	
E11	Element: 1541 Node: 73631	12.500 47.750 3.400	UGT-Set B/109	0.1 0.2	0.0 -0.1	0.1 0.2	-56.26 -50.15	0.0	
E11	Element: 1536 Node: 73624	12.500 44.500 1.700	UGT-Set B/107	0.5 0.4	-17.4 -17.4	17.6 17.6	-65.63 -65.45	0.0	
E11	Element: 1537 Node: 73625	12.500 47.750 0.000	UGT-Set B/110	0.0 0.0	-0.2 -0.2	0.2 0.1	-35.81 -22.61	0.0	
E11	Element: 1536 Node: 73624	12.500 44.500 1.700	UGT-Set B/111	0.5 0.4	-17.4 -17.4	17.6 17.6	-65.63 -65.45	0.0	
E11	Element: 1537 Node: 73626	12.500 47.750 1.700	UGT-Set B/112	1.4 1.4	-8.3 -8.3	9.1 9.1	-76.79 -76.78	0.0	
E11	Element: 1536 Node: 673	12.500 44.500 0.000	UGT-Set B/113	-1.4 -1.5	-9.3 -6.4	8.6 5.8	-22.49 -27.85	0.7	
E12	Element: 1547 Node: 680	12.500 61.500 0.000	UGT-Set B/114	-2.0 -1.9	-10.5 -10.6	9.7 9.8	17.03 17.52	0.0	
E12	Element: 1551 Node: 681	12.500 61.500 3.400	UGT-Set B/115	1.1 1.0	-6.8 -6.3	7.5 6.9	9.25 11.15	0.2	
E12	Element: 1547 Node: 680	12.500 61.500 0.000	UGT-Set B/116	-1.8 -1.9	-11.7 -8.7	10.9 7.9	16.20 18.20	0.6	
E12	Element: 1551 Node: 681	12.500 61.500 3.400	UGT-Set B/117	1.0 1.1	-6.3 -6.9	6.9 7.5	11.35 9.09	0.2	
E12	Element: 1547 Node: 680	12.500 61.500 0.000	UGT-Set B/118	-1.8 -1.9	-11.7 -8.7	10.9 7.9	16.20 18.20	0.6	
E12	Element: 1549 Node: 73642	12.500 58.250 3.400	UGT-Set B/119	0.8 0.4	0.3 0.0	0.7 0.5	45.26 34.18	0.1	
E12	Element: 1547 Node: 680	12.500 61.500 0.000	UGT-Set B/120	-2.0 -1.8	-8.6 -11.8	7.8 11.1	18.16 16.25	0.6	
E12	Element: 1549 Node: 73642	12.500 58.250 3.400	UGT-Set B/121	0.5 0.8	0.0 0.3	0.5 0.7	33.66 45.54	0.1	
E12	Element: 1549 Node: 73642	12.500 58.250 3.400	UGT-Set B/122	0.1 0.1	0.0 -0.1	0.1 0.2	-73.05 -53.26	0.0	
E12	Element: 1547 Node: 73639	12.500 59.875	UGT-Set B/118	0.1 0.0	-11.6 -8.5	11.6 8.5	13.58 13.98	0.6	

Name	Mesh	Position [m]	Case	σ_{1+}	σ_{2+}	σ_{E+}	$\alpha+$	$T_{max,b}$ [MPa]	
				[MPa]	[MPa]	[MPa]	[deg]		
				σ_{1-}	σ_{2-}	σ_{E-}	$\alpha-$		
				[MPa]	[MPa]	[MPa]	[deg]		
		0.000							
E12	Element: 1545 Node: 73636	12.500 58.250 0.000	UGT-Set B/123	0.0 0.0	-0.2 -0.2	0.2 0.2	-33.68 -19.57	0.0	
E12	Element: 1547 Node: 73639	12.500 59.875 0.000	UGT-Set B/120	0.0 0.1	-8.4 -11.7	8.5 11.7	13.83 13.69	0.6	
E12	Element: 1545 Node: 73638	12.500 58.250 1.700	UGT-Set B/124	0.0 0.0	-0.3 -0.3	0.3 0.3	-23.55 -23.48	0.0	
E12	Element: 1544 Node: 679	12.500 55.000 0.000	UGT-Set B/125	-1.4 -1.5	-9.2 -6.4	8.5 5.8	-22.54 -27.74	0.6	
E13	Element: 1555 Node: 686	50.500 51.000 0.000	UGT-Set B/126	-3.7 -3.6	-18.0 -18.0	16.5 16.4	59.50 59.70	0.0	
E13	Element: 1556 Node: 73645	50.500 44.500 1.700	UGT-Set B/127	10.3 10.3	-3.0 -3.0	12.0 12.0	-17.23 -17.25	0.0	
E13	Element: 1552 Node: 685	50.500 44.500 0.000	UGT-Set B/128	-3.3 -3.3	-18.4 -18.4	17.0 17.0	-58.54 -58.76	0.0	
E13	Element: 1552 Node: 685	50.500 44.500 0.000	UGT-Set B/129	-3.3 -3.3	-18.4 -18.4	17.0 17.0	-58.54 -58.76	0.0	
E13	Element: 1557 Node: 73651	50.500 47.750 3.400	UGT-Set B/130	0.6 0.6	0.1 0.2	0.5 0.5	-37.05 -37.00	0.0	
E13	Element: 1557 Node: 73651	50.500 47.750 3.400	UGT-Set B/131	0.0 0.0	0.0 0.0	0.0 0.1	46.01 47.72	0.0	
E13	Element: 1552 Node: 73645	50.500 44.500 1.700	UGT-Set B/132	0.5 0.5	-17.4 -17.3	17.6 17.6	-65.55 -65.72	0.0	
E13	Element: 1557 Node: 73651	50.500 47.750 3.400	UGT-Set B/133	0.0 0.0	0.0 0.0	0.0 0.1	46.02 47.71	0.0	
E13	Element: 1552 Node: 73645	50.500 44.500 1.700	UGT-Set B/129	0.5 0.5	-17.4 -17.3	17.6 17.6	-65.55 -65.72	0.0	
E13	Element: 1557 Node: 73647	50.500 47.750 1.700	UGT-Set B/134	0.9 0.9	-7.8 -7.8	8.3 8.3	-89.15 -89.16	0.0	
E13	Element: 1555 Node: 686	50.500 51.000 0.000	UGT-Set B/135	-1.8 -1.9	-10.0 -10.1	9.2 9.3	17.01 17.03	0.0	
E14	Element: 1563 Node: 692	50.500 61.500 0.000	UGT-Set B/136	-3.6 -3.6	-18.1 -18.0	16.6 16.5	59.31 59.51	0.0	
E14	Element: 1564 Node: 73656	50.500 55.000 1.700	UGT-Set B/137	10.3 10.3	-3.0 -3.0	12.1 12.1	-17.41 -17.43	0.0	
E14	Element: 1563 Node: 692	50.500 61.500 0.000	UGT-Set B/138	-3.6 -3.6	-18.1 -18.0	16.6 16.5	59.31 59.51	0.0	
E14	Element: 1564 Node: 73656	50.500 55.000 1.700	UGT-Set B/139	10.3 10.3	-3.0 -3.0	12.1 12.1	-17.41 -17.43	0.0	
E14	Element: 1560 Node: 691	50.500 55.000 0.000	UGT-Set B/140	-3.3 -3.2	-18.5 -18.4	17.1 17.0	-58.44 -58.65	0.0	
E14	Element: 1560 Node: 691	50.500 55.000 0.000	UGT-Set B/141	-3.3 -3.2	-18.5 -18.4	17.1 17.0	-58.44 -58.65	0.0	
E14	Element: 1565	50.500	UGT-Set B/142	0.6	0.1	0.5	-37.07	0.0	

Name	Mesh	Position [m]	Case	σ_{1+} [MPa]	σ_{2+} [MPa]	σ_{E+} [MPa]	$\alpha+$ [deg]	$T_{max,b}$ [MPa]
				σ_{1-} [MPa]	σ_{2-} [MPa]	σ_{E-} [MPa]	$\alpha-$ [deg]	
	Node: 73666	58.250 3.400		0.6	0.2	0.5	-37.03	
E14	Element: 1560 Node: 73656	50.500 55.000 1.700	UGT-Set B/143	0.5 0.5	-17.4 -17.4	17.7 17.6	-65.42 -65.59	0.0
E14	Element: 1565 Node: 73666	50.500 58.250 3.400	UGT-Set B/144	0.1 0.1	0.0 0.0	0.1 0.1	-54.80 -66.95	0.0
E14	Element: 1560 Node: 73656	50.500 55.000 1.700	UGT-Set B/141	0.5 0.5	-17.4 -17.4	17.7 17.6	-65.42 -65.59	0.0
E14	Element: 1562 Node: 73660	50.500 58.250 1.700	UGT-Set B/145	1.5 1.5	-8.4 -8.4	9.3 9.3	75.76 75.77	0.0
E14	Element: 1563 Node: 692	50.500 61.500 0.000	UGT-Set B/135	-1.8 -1.9	-10.0 -10.1	9.2 9.3	17.01 17.02	0.0
E15	Element: 1804 Node: 73674	49.750 46.357 -0.500	UGT-Set B/146	-4.4 21.8	-21.8 4.4	20.0 20.0	88.24 -1.88	2.6
E15	Element: 1688 Node: 73730	54.750 53.000 -0.500	UGT-Set B/147	5.7 -1.3	1.3 -5.7	5.1 5.1	-82.69 7.33	0.3
E15	Element: 1804 Node: 73674	49.750 46.357 -0.500	UGT-Set B/148	-4.3 21.9	-21.9 4.3	20.1 20.1	89.28 -0.84	2.8
E15	Element: 1788 Node: 784	50.500 53.270 -0.500	UGT-Set B/149	15.9 1.2	-1.2 -15.9	16.5 16.5	-89.68 0.32	1.4
E15	Element: 1577 Node: 737	53.980 47.750 -0.500	UGT-Set B/150	0.0 0.0	0.0 0.0	0.0 0.0	-35.41 33.10	0.0
E15	Element: 1583 Node: 760	50.500 61.220 -0.500	UGT-Set B/151	-0.3 0.5	-0.4 0.3	0.4 0.4	90.00 0.00	0.0
E15	Element: 1799 Node: 73667	49.750 50.071 -0.500	UGT-Set B/146	1.3 20.0	-20.0 -1.3	20.7 20.7	-86.68 3.26	3.2
E16	Element: 2057 Node: 74058	14.063 60.828 -0.500	UGT-Set B/152	-1.9 12.5	-12.5 1.8	11.7 11.7	-89.44 0.59	2.3
E16	Element: 2032 Node: 73932	16.750 53.000 -0.500	UGT-Set B/153	5.6 -1.3	1.3 -5.6	5.1 5.0	-82.39 7.66	0.3
E16	Element: 2186 Node: 73903	13.250 59.643 -0.500	UGT-Set B/114	-1.1 20.9	-20.9 1.1	20.4 20.4	88.14 -1.92	2.4
E16	Element: 2066 Node: 73891	11.750 60.571 -0.500	UGT-Set B/120	-0.8 20.9	-20.9 0.8	20.5 20.5	-88.17 1.81	2.6
E16	Element: 2134 Node: 928	12.500 53.270 -0.500	UGT-Set B/149	15.7 1.8	-1.8 -15.7	16.7 16.6	-85.45 4.56	1.7
E16	Element: 2057 Node: 74058	14.063 60.828 -0.500	UGT-Set B/154	-1.8 12.5	-12.5 1.8	11.7 11.7	-89.27 0.56	2.3
E16	Element: 1915 Node: 857	15.980 47.750 -0.500	UGT-Set B/155	0.0 0.0	0.0 0.0	0.0 0.0	-35.77 32.93	0.0
E16	Element: 1927 Node: 904	12.500 61.220 -0.500	UGT-Set B/154	-0.3 0.5	-0.5 0.3	0.4 0.4	90.00 0.00	0.0
E16	Element: 2159 Node: 73882	13.250 48.214 -0.500	UGT-Set B/156	-1.6 19.5	-19.5 1.6	18.7 18.7	89.75 -0.17	3.1

Name	Mesh	Position [m]	Case	σ_{1+}	σ_{2+}	σ_{E+}	$\alpha+$	$T_{max,b}$ [MPa]	
				[MPa]	[MPa]	[MPa]	[deg]		
				σ_{1-}	σ_{2-}	σ_{E-}	$\alpha-$		
				[MPa]	[MPa]	[MPa]	[deg]		
E41	Element: 73778 Node: 1094	8.000 4.250 -0.500	UGT-Set B/157	-0.1 0.4	-0.4 0.1	0.3 0.3	48.88 -41.27	0.3	
E41	Element: 73778 Node: 1095	8.000 5.250 -0.500	UGT-Set B/158	0.4 -0.1	0.2 -0.3	0.3 0.3	39.37 -51.46	0.3	
E41	Element: 73778 Node: 1093	8.250 4.250 -0.500	UGT-Set B/159	0.0 0.5	-0.5 0.0	0.5 0.5	44.72 -44.81	0.2	
E41	Element: 73778 Node: 1093	8.250 4.250 -0.500	UGT-Set B/160	1.4 0.3	-0.3 -1.4	1.6 1.6	-64.86 25.29	0.2	
E41	Element: 73778 Node: 1094	8.000 4.250 -0.500	UGT-Set B/161	-0.1 0.3	-0.3 0.1	0.3 0.3	56.29 -34.26	0.3	
E41	Element: 73778 Node: 1095	8.000 5.250 -0.500	UGT-Set B/162	0.0 0.0	0.0 0.0	0.0 0.0	59.20 -29.77	0.0	
E41	Element: 73778 Node: 1094	8.000 4.250 -0.500	UGT-Set B/163	1.2 0.1	-0.1 -1.2	1.3 1.3	-58.63 31.13	0.3	
E42	Element: 73779 Node: 1099	8.000 11.000 -0.500	UGT-Set B/164	0.6 5.5	-5.5 -0.6	5.8 5.8	-30.06 59.95	0.6	
E42	Element: 73779 Node: 1099	8.000 11.000 -0.500	UGT-Set B/165	11.6 1.6	-1.6 -11.6	12.5 12.5	59.44 -30.55	1.0	
E42	Element: 73779 Node: 1100	8.250 11.000 -0.500	UGT-Set B/166	1.3 6.4	-6.5 -1.3	7.2 7.2	-22.44 67.54	0.7	
E42	Element: 73779 Node: 1100	8.250 11.000 -0.500	UGT-Set B/167	13.3 3.2	-3.2 -13.3	15.2 15.2	67.28 -22.74	0.9	
E42	Element: 73779 Node: 1098	8.000 10.000 -0.500	UGT-Set B/168	1.1 3.7	-3.7 -1.1	4.3 4.3	33.04 -56.96	0.5	
E43	Element: 73780 Node: 1103	8.000 15.750 -0.500	UGT-Set B/169	-0.2 0.8	-0.8 0.2	0.7 0.7	-24.12 65.61	0.4	
E43	Element: 73780 Node: 1101	8.250 14.750 -0.500	UGT-Set B/170	0.2 1.3	-1.3 -0.2	1.4 1.4	25.27 -64.65	0.2	
E43	Element: 73780 Node: 1101	8.250 14.750 -0.500	UGT-Set B/3	0.4 0.0	0.0 -0.4	0.4 0.4	-26.24 65.21	0.4	
E43	Element: 73780 Node: 1101	8.250 14.750 -0.500	UGT-Set B/171	1.8 0.2	-0.2 -1.8	1.9 1.9	-63.02 27.22	0.4	
E43	Element: 73780 Node: 1101	8.250 14.750 -0.500	UGT-Set B/169	0.4 0.0	0.0 -0.4	0.4 0.4	-25.18 66.04	0.4	
E43	Element: 73780 Node: 1104	8.250 15.750 -0.500	UGT-Set B/172	0.3 1.1	-1.0 -0.3	1.3 1.3	-22.74 67.88	0.0	
E43	Element: 73780 Node: 1102	8.000 14.750 -0.500	UGT-Set B/173	1.3 0.0	0.0 -1.3	1.3 1.3	-56.25 33.54	0.5	
E44	Element: 73781 Node: 1107	8.000 21.500 -0.500	UGT-Set B/174	0.6 7.1	-7.1 -0.6	7.5 7.5	-29.91 60.11	1.2	
E44	Element: 73781 Node: 1107	8.000 21.500 -0.500	UGT-Set B/175	9.5 1.1	-1.1 -9.5	10.1 10.1	59.75 -30.22	1.2	
E44	Element: 73781 Node: 1108	8.250 21.500	UGT-Set B/176	1.5 8.4	-8.3 -1.5	9.1 9.2	-23.23 66.90	1.2	

Name	Mesh	Position [m]	Case	σ_{1+}	σ_{2+}	σ_{E+}	$\alpha+$	$T_{max,b}$ [MPa]	
				[MPa]	[MPa]	[MPa]	[deg]		
				σ_{1-}	σ_{2-}	σ_{E-}	$\alpha-$		
				[MPa]	[MPa]	[MPa]	[deg]		
		-0.500							
E44	Element: 73781 Node: 1108	8.250 21.500 -0.500	UGT-Set B/8	1.5 8.4	-8.4 -1.5	9.2 9.2	-23.12 66.83	1.2	
E44	Element: 73781 Node: 1108	8.250 21.500 -0.500	UGT-Set B/177	10.9 2.4	-2.4 -11.0	12.3 12.4	66.91 -23.00	1.0	
E44	Element: 73781 Node: 1108	8.250 21.500 -0.500	UGT-Set B/178	11.0 2.4	-2.4 -11.0	12.4 12.4	67.00 -23.05	1.1	
E44	Element: 73781 Node: 1106	8.000 20.500 -0.500	UGT-Set B/179	0.9 2.5	-2.5 -0.9	3.0 3.0	33.78 -56.27	0.5	
E44	Element: 73781 Node: 1106	8.000 20.500 -0.500	UGT-Set B/180	0.9 2.5	-2.5 -0.9	3.1 3.1	33.58 -56.22	0.5	
E44	Element: 73781 Node: 1105	8.250 20.500 -0.500	UGT-Set B/174	2.5 4.3	-4.3 -2.5	6.0 6.0	21.50 -68.44	1.3	
E45	Element: 73782 Node: 1110	8.000 25.250 -0.500	UGT-Set B/181	-0.2 0.7	-0.7 0.2	0.6 0.6	21.78 -68.02	0.4	
E45	Element: 73782 Node: 1112	8.250 26.250 -0.500	UGT-Set B/182	0.2 1.3	-1.3 -0.2	1.4 1.4	-25.05 64.89	0.2	
E45	Element: 73782 Node: 1112	8.250 26.250 -0.500	UGT-Set B/183	0.4 0.0	0.1 -0.4	0.4 0.4	36.30 -54.89	0.4	
E45	Element: 73782 Node: 1112	8.250 26.250 -0.500	UGT-Set B/184	1.9 0.3	-0.3 -1.9	2.0 2.0	63.47 -26.74	0.4	
E45	Element: 73782 Node: 1112	8.250 26.250 -0.500	UGT-Set B/181	0.4 -0.1	0.1 -0.4	0.4 0.4	35.32 -55.49	0.3	
E45	Element: 73782 Node: 1109	8.250 25.250 -0.500	UGT-Set B/185	0.3 1.1	-1.0 -0.3	1.2 1.2	22.82 -67.82	0.0	
E45	Element: 73782 Node: 1111	8.000 26.250 -0.500	UGT-Set B/186	1.4 0.0	0.0 -1.4	1.4 1.4	56.63 -33.20	0.5	
E46	Element: 73783 Node: 1115	8.000 32.000 -0.500	UGT-Set B/187	11.7 1.2	-1.2 -11.7	12.4 12.4	59.83 -30.15	1.9	
E46	Element: 73783 Node: 1116	8.250 32.000 -0.500	UGT-Set B/179	0.9 5.2	-5.2 -0.9	5.7 5.7	-23.69 66.24	0.8	
E46	Element: 73783 Node: 1116	8.250 32.000 -0.500	UGT-Set B/188	13.3 2.7	-2.7 -13.2	14.8 14.8	66.60 -23.43	1.5	
E46	Element: 73783 Node: 1116	8.250 32.000 -0.500	UGT-Set B/1	0.0 1.4	-1.5 0.0	1.5 1.4	-26.55 62.53	0.6	
E47	Element: 73784 Node: 1119	8.000 36.750 -0.500	UGT-Set B/8	-0.1 0.4	-0.4 0.1	0.4 0.4	-48.33 41.83	0.3	
E47	Element: 73784 Node: 1118	8.000 35.750 -0.500	UGT-Set B/189	0.3 -0.2	0.2 -0.3	0.3 0.3	-29.66 60.98	0.3	
E47	Element: 73784 Node: 1120	8.250 36.750 -0.500	UGT-Set B/8	0.0 0.5	-0.5 0.0	0.5 0.5	-43.99 45.50	0.2	
E47	Element: 73784 Node: 1120	8.250 36.750 -0.500	UGT-Set B/178	1.3 0.2	-0.2 -1.3	1.5 1.4	64.70 -25.52	0.2	
E47	Element: 73784	8.000	UGT-Set B/189	-0.1	-0.3	0.3	-54.20	0.3	

Name	Mesh	Position [m]	Case	σ_{1+} [MPa]	σ_{2+} [MPa]	σ_{E+} [MPa]	$\alpha+$ [deg]	$T_{max,b}$ [MPa]
				σ_{1-} [MPa]	σ_{2-} [MPa]	σ_{E-} [MPa]	$\alpha-$ [deg]	
	Node: 1119	36.750 -0.500		0.3	0.1	0.3	36.38	
E47	Element: 73784 Node: 1117	8.250 35.750 -0.500	UGT-Set B/190	0.0 0.0	0.0 0.0	0.0 0.0	-75.97 15.04	0.0
E47	Element: 73784 Node: 1118	8.000 35.750 -0.500	UGT-Set B/190	0.0 0.0	0.0 0.0	0.0 0.0	-59.06 29.99	0.0
E47	Element: 73784 Node: 1119	8.000 36.750 -0.500	UGT-Set B/191	1.1 0.1	-0.1 -1.1	1.2 1.2	58.44 -31.28	0.3
E48	Element: 73785 Node: 1122	8.000 47.250 -0.500	UGT-Set B/192	-0.3 0.8	-0.8 0.3	0.7 0.7	52.81 -37.09	0.6
E48	Element: 73785 Node: 1123	8.000 48.250 -0.500	UGT-Set B/192	0.7 -0.4	0.4 -0.7	0.6 0.6	26.45 -63.48	0.6
E48	Element: 73785 Node: 1122	8.000 47.250 -0.500	UGT-Set B/193	-0.3 0.9	-0.9 0.3	0.8 0.8	51.41 -38.54	0.6
E48	Element: 73785 Node: 1121	8.250 47.250 -0.500	UGT-Set B/194	1.6 0.4	-0.4 -1.6	1.8 1.8	-66.82 23.20	0.4
E48	Element: 73785 Node: 1121	8.250 47.250 -0.500	UGT-Set B/155	0.0 0.0	0.0 0.0	0.0 0.0	-4.53 86.75	0.0
E49	Element: 73786 Node: 1127	8.000 54.000 -0.500	UGT-Set B/39	1.1 0.1	-0.1 -1.1	1.1 1.1	62.26 -27.65	0.0
E49	Element: 73786 Node: 1125	8.250 53.000 -0.500	UGT-Set B/114	8.1 3.4	-3.4 -8.0	10.2 10.2	-68.55 21.47	0.8
E49	Element: 73786 Node: 1127	8.000 54.000 -0.500	UGT-Set B/149	10.2 1.3	-1.3 -10.2	10.9 10.9	61.93 -28.08	0.9
E49	Element: 73786 Node: 1126	8.000 53.000 -0.500	UGT-Set B/195	0.8 0.2	-0.2 -0.8	0.9 0.9	-56.72 32.88	0.1
E49	Element: 73786 Node: 1128	8.250 54.000 -0.500	UGT-Set B/149	9.8 3.0	-3.0 -9.8	11.6 11.6	65.98 -24.02	0.9
E49	Element: 73786 Node: 1125	8.250 53.000 -0.500	UGT-Set B/39	1.0 0.3	-0.3 -1.0	1.2 1.2	-67.76 22.11	0.0
E49	Element: 73786 Node: 1126	8.000 53.000 -0.500	UGT-Set B/196	2.8 1.7	-1.7 -2.8	3.9 3.9	-54.17 35.81	1.4
E50	Element: 73787 Node: 1131	8.000 58.750 -0.500	UGT-Set B/194	-0.3 0.9	-0.9 0.3	0.8 0.8	-51.06 38.88	0.6
E50	Element: 73787 Node: 1130	8.000 57.750 -0.500	UGT-Set B/197	0.7 -0.4	0.4 -0.7	0.6 0.6	-23.73 66.25	0.6
E50	Element: 73787 Node: 1131	8.000 58.750 -0.500	UGT-Set B/198	-0.2 0.9	-0.9 0.2	0.8 0.8	-50.06 39.88	0.6
E50	Element: 73787 Node: 1131	8.000 58.750 -0.500	UGT-Set B/192	1.5 0.1	-0.1 -1.5	1.5 1.5	56.96 -33.07	0.4
E50	Element: 73787 Node: 1132	8.250 58.750 -0.500	UGT-Set B/192	1.4 0.4	-0.4 -1.4	1.7 1.7	66.47 -23.52	0.4
E50	Element: 73787 Node: 1132	8.250 58.750 -0.500	UGT-Set B/39	0.0 0.1	-0.1 0.0	0.1 0.1	-1.32 88.20	0.0

Name	Mesh	Position [m]	Case	σ_{1+}	σ_{2+}	σ_{E+}	$\alpha+$	$T_{max,b}$ [MPa]
				[MPa]	[MPa]	[MPa]	[deg]	
E50	Element: 73787	8.000	UGT-Set B/194	0.7	0.4	0.6	-23.30	0.6
	Node: 1130	57.750		-0.4	-0.7	0.6	66.68	
		-0.500						

Name	Combination key
UGT-Set B/1	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG144 + 1.50*BG145 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/2	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG143 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149
UGT-Set B/3	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG145 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/4	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG145 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/5	0.90*BG101 + 0.90*BG102 + 1.50*BG124 + 1.50*BG143 + 1.50*BG146
UGT-Set B/6	1.35*BG101 + 1.35*BG102 + 1.50*BG143 + 1.50*BG144 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/7	0.90*BG101 + 0.90*BG102 + 1.50*BG123 + 1.50*BG145
UGT-Set B/8	0.90*BG101 + 0.90*BG102 + 1.50*BG124 + 1.50*BG144 + 1.50*BG145
UGT-Set B/9	1.35*BG101 + 1.35*BG102 + 1.50*BG144
UGT-Set B/10	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG144 + 1.50*BG145 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/11	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG143 + 1.50*BG144 + 1.50*BG145 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/12	0.90*BG101 + 0.90*BG102 + 1.50*BG111 + 1.50*BG143 + 1.50*BG144
UGT-Set B/13	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149
UGT-Set B/14	0.90*BG101 + 0.90*BG102 + 1.50*BG111 + 1.50*BG151
UGT-Set B/15	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG143 + 1.50*BG145 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/16	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG143 + 1.50*BG144 + 1.50*BG145 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149
UGT-Set B/17	0.90*BG101 + 0.90*BG102 + 1.50*BG111
UGT-Set B/18	0.90*BG101 + 0.90*BG102 + 1.50*BG124 + 1.50*BG143 + 1.50*BG144 + 1.50*BG145 + 1.50*BG151
UGT-Set B/19	0.90*BG101 + 0.90*BG102 + 1.50*BG124 + 1.50*BG147
UGT-Set B/20	0.90*BG101 + 0.90*BG102 + 1.50*BG111 + 1.50*BG143 + 1.50*BG145 + 1.50*BG151
UGT-Set B/21	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG146 + 1.50*BG147
UGT-Set B/22	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG143 + 1.50*BG145 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/23	0.90*BG101 + 0.90*BG102 + 1.50*BG111 + 1.50*BG143 + 1.50*BG144 + 1.50*BG146
UGT-Set B/24	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG144 + 1.50*BG145 + 1.50*BG147 + 1.50*BG149
UGT-Set B/25	0.90*BG101 + 0.90*BG102 + 1.50*BG111 + 1.50*BG146 + 1.50*BG151
UGT-Set B/26	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG143 + 1.50*BG144 + 1.50*BG145 + 1.50*BG147 + 1.50*BG149
UGT-Set B/27	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG145 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/28	0.90*BG101 + 0.90*BG102 + 1.50*BG111 + 1.50*BG146
UGT-Set B/29	0.90*BG101 + 0.90*BG102 + 1.50*BG124 + 1.50*BG143 + 1.50*BG144 + 1.50*BG146 + 1.50*BG151
UGT-Set B/30	0.90*BG101 + 0.90*BG102 + 1.50*BG111 + 1.50*BG149
UGT-Set B/31	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG145 + 1.50*BG147

Name	Combination key
UGT-Set B/32	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG144 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/33	0.90*BG101 + 0.90*BG102 + 1.50*BG111 + 1.50*BG143
UGT-Set B/34	0.90*BG101 + 0.90*BG102 + 1.50*BG111 + 1.50*BG143 + 1.50*BG145 + 1.50*BG146 + 1.50*BG151
UGT-Set B/35	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG144 + 1.50*BG147 + 1.50*BG149
UGT-Set B/36	1.20*BG101 + 1.20*BG102 + 1.50*BG111 + 1.50*BG143 + 1.50*BG144 + 1.50*BG145 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149
UGT-Set B/37	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG144 + 1.50*BG145 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/38	1.20*BG101 + 1.20*BG102 + 1.50*BG111 + 1.50*BG144 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/39	0.90*BG101 + 0.90*BG102 + 1.50*BG124
UGT-Set B/40	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG144 + 1.50*BG147 + 1.50*BG151
UGT-Set B/41	0.90*BG101 + 0.90*BG102 + 1.50*BG111 + 1.50*BG144 + 1.50*BG145 + 1.50*BG146
UGT-Set B/42	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG143 + 1.50*BG147 + 1.50*BG149
UGT-Set B/43	0.90*BG101 + 0.90*BG102 + 1.50*BG111 + 1.50*BG144 + 1.50*BG151
UGT-Set B/44	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG143 + 1.50*BG145 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149
UGT-Set B/45	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG143 + 1.50*BG144 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/46	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG143 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/47	0.90*BG101 + 0.90*BG102 + 1.50*BG124 + 1.50*BG151
UGT-Set B/48	0.90*BG101 + 0.90*BG102 + 1.50*BG122 + 1.50*BG144 + 1.50*BG145 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149
UGT-Set B/49	0.90*BG101 + 0.90*BG102 + 1.50*BG111 + 1.50*BG149 + 1.50*BG151
UGT-Set B/50	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG143 + 1.50*BG151
UGT-Set B/51	1.35*BG101 + 1.35*BG102 + 1.50*BG144 + 1.50*BG145 + 1.50*BG151
UGT-Set B/52	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG143 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149
UGT-Set B/53	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG145 + 1.50*BG146 + 1.50*BG151
UGT-Set B/54	0.90*BG101 + 0.90*BG102 + 1.50*BG123 + 1.50*BG143 + 1.50*BG146
UGT-Set B/55	1.35*BG101 + 1.35*BG102 + 1.50*BG143 + 1.50*BG144 + 1.50*BG146 + 1.50*BG147 + 1.50*BG151
UGT-Set B/56	0.90*BG101 + 0.90*BG102 + 1.50*BG124 + 1.50*BG145 + 1.50*BG147
UGT-Set B/57	0.90*BG101 + 0.90*BG102 + 1.50*BG124 + 1.50*BG144 + 1.50*BG145 + 1.50*BG147
UGT-Set B/58	1.35*BG101 + 1.35*BG102 + 1.50*BG144 + 1.50*BG145 + 1.50*BG149
UGT-Set B/59	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG144 + 1.50*BG145 + 1.50*BG146 + 1.50*BG151
UGT-Set B/60	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG145 + 1.50*BG146 + 1.50*BG151
UGT-Set B/61	0.90*BG101 + 0.90*BG102 + 1.50*BG111 + 1.50*BG143 + 1.50*BG145 + 1.50*BG147 + 1.50*BG151
UGT-Set B/62	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG143 + 1.50*BG145 + 1.50*BG146
UGT-Set B/63	0.90*BG101 + 0.90*BG102 + 1.50*BG111 + 1.50*BG143 + 1.50*BG145 + 1.50*BG147
UGT-Set B/64	1.20*BG101 + 1.20*BG102 + 1.50*BG111 + 1.50*BG143 + 1.50*BG144 + 1.50*BG145 + 1.50*BG146
UGT-Set B/65	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG143 + 1.50*BG145 + 1.50*BG146 + 1.50*BG147
UGT-Set B/66	1.20*BG101 + 1.20*BG102 + 1.50*BG111 + 1.50*BG146 +

Name	Combination key
	1.50*BG151
UGT-Set B/67	0.90*BG101 + 0.90*BG102 + 1.50*BG122 + 1.50*BG143 + 1.50*BG144 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/68	1.20*BG101 + 1.20*BG102 + 1.50*BG111 + 1.50*BG143 + 1.50*BG145 + 1.50*BG146 + 1.50*BG151
UGT-Set B/69	0.90*BG101 + 0.90*BG102 + 1.50*BG122 + 1.50*BG143 + 1.50*BG144 + 1.50*BG147 + 1.50*BG149
UGT-Set B/70	1.20*BG101 + 1.20*BG102 + 1.50*BG111 + 1.50*BG143 + 1.50*BG145 + 1.50*BG146
UGT-Set B/71	0.90*BG101 + 0.90*BG102 + 1.50*BG112 + 1.50*BG143 + 1.50*BG144 + 1.50*BG145 + 1.50*BG147 + 1.50*BG149
UGT-Set B/72	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG143 + 1.50*BG144 + 1.50*BG145 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149
UGT-Set B/73	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG143 + 1.50*BG145 + 1.50*BG151
UGT-Set B/74	0.90*BG101 + 0.90*BG102 + 1.50*BG111 + 1.50*BG143 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/75	0.90*BG101 + 0.90*BG102 + 1.50*BG111 + 1.50*BG143 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149
UGT-Set B/76	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG144 + 1.50*BG145 + 1.50*BG151
UGT-Set B/77	1.20*BG101 + 1.20*BG102 + 1.50*BG111 + 1.50*BG143 + 1.50*BG145 + 1.50*BG146 + 1.50*BG149
UGT-Set B/78	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG144 + 1.50*BG145 + 1.50*BG146 + 1.50*BG147
UGT-Set B/79	1.20*BG101 + 1.20*BG102 + 1.50*BG111 + 1.50*BG145 + 1.50*BG149 + 1.50*BG151
UGT-Set B/80	0.90*BG101 + 0.90*BG102 + 1.50*BG122 + 1.50*BG143 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/81	0.90*BG101 + 0.90*BG102 + 1.50*BG121 + 1.50*BG143 + 1.50*BG144 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149
UGT-Set B/82	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG144 + 1.50*BG145 + 1.50*BG147 + 1.50*BG151
UGT-Set B/83	0.90*BG101 + 0.90*BG102 + 1.50*BG112 + 1.50*BG143 + 1.50*BG144 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149
UGT-Set B/84	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG143 + 1.50*BG144 + 1.50*BG145 + 1.50*BG146 + 1.50*BG149
UGT-Set B/85	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG143 + 1.50*BG144 + 1.50*BG146 + 1.50*BG151
UGT-Set B/86	0.90*BG101 + 0.90*BG102 + 1.50*BG111 + 1.50*BG143 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/87	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG143 + 1.50*BG144 + 1.50*BG146
UGT-Set B/88	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG144 + 1.50*BG145 + 1.50*BG149 + 1.50*BG151
UGT-Set B/89	0.90*BG101 + 0.90*BG102 + 1.50*BG111 + 1.50*BG143 + 1.50*BG146 + 1.50*BG147
UGT-Set B/90	0.90*BG101 + 0.90*BG102 + 1.50*BG111 + 1.50*BG143 + 1.50*BG146 + 1.50*BG147 + 1.50*BG151
UGT-Set B/91	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG144 + 1.50*BG145 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/92	0.90*BG101 + 0.90*BG102 + 1.50*BG121 + 1.50*BG143 + 1.50*BG145 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149
UGT-Set B/93	0.90*BG101 + 0.90*BG102 + 1.50*BG112 + 1.50*BG143 + 1.50*BG146 + 1.50*BG147
UGT-Set B/94	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG144 + 1.50*BG151
UGT-Set B/95	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG143 + 1.50*BG144 + 1.50*BG146 + 1.50*BG149 + 1.50*BG151
UGT-Set B/96	0.90*BG101 + 0.90*BG102 + 1.50*BG111 + 1.50*BG144 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/97	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG143 + 1.50*BG144 + 1.50*BG145 + 1.50*BG146 + 1.50*BG149
UGT-Set B/98	0.90*BG101 + 0.90*BG102 + 1.50*BG111 + 1.50*BG144 + 1.50*BG145 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149
UGT-Set B/99	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG143 + 1.50*BG144 + 1.50*BG149

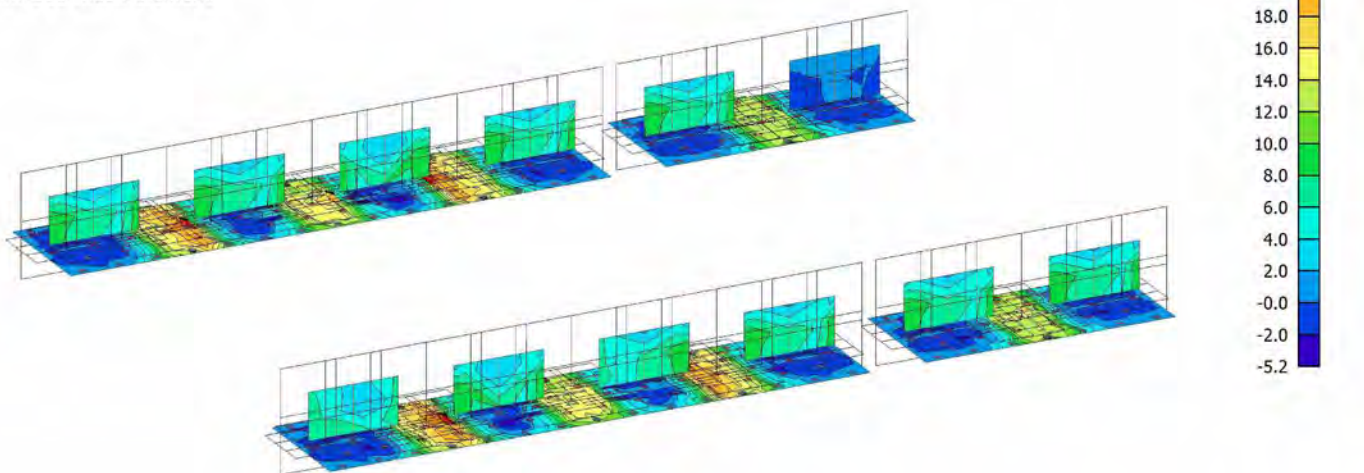
Name	Combination key
UGT-Set B/100	0.90*BG101 + 0.90*BG102 + 1.50*BG121 + 1.50*BG144 + 1.50*BG145 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149
UGT-Set B/101	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG143 + 1.50*BG145 + 1.50*BG147 + 1.50*BG151
UGT-Set B/102	0.90*BG101 + 0.90*BG102 + 1.50*BG111 + 1.50*BG144 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149
UGT-Set B/103	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG141 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150 + 1.50*BG151
UGT-Set B/104	0.90*BG101 + 0.90*BG102 + 1.50*BG111 + 1.50*BG141
UGT-Set B/105	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150
UGT-Set B/106	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150 + 1.50*BG151
UGT-Set B/107	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG141 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150
UGT-Set B/108	0.90*BG101 + 0.90*BG102 + 1.50*BG121 + 1.50*BG141
UGT-Set B/109	0.90*BG101 + 0.90*BG102 + 1.50*BG124 + 1.50*BG147 + 1.50*BG150
UGT-Set B/110	0.90*BG101 + 0.90*BG102 + 1.50*BG122 + 1.50*BG141 + 1.50*BG149 + 1.50*BG151
UGT-Set B/111	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150 + 1.50*BG151
UGT-Set B/112	0.90*BG101 + 0.90*BG102 + 1.50*BG112 + 1.50*BG151
UGT-Set B/113	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG142 + 1.50*BG147 + 1.50*BG150
UGT-Set B/114	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG141 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150 + 1.50*BG151
UGT-Set B/115	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG141 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150 + 1.50*BG151
UGT-Set B/116	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG141 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150
UGT-Set B/117	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG141 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150
UGT-Set B/118	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG141 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150
UGT-Set B/119	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG141 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/120	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG141 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150 + 1.50*BG151
UGT-Set B/121	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG141 + 1.50*BG147 + 1.50*BG149
UGT-Set B/122	0.90*BG101 + 0.90*BG102 + 1.50*BG124 + 1.50*BG150
UGT-Set B/123	0.90*BG101 + 0.90*BG102 + 1.50*BG122 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/124	0.90*BG101 + 0.90*BG102 + 1.50*BG112 + 1.50*BG150 + 1.50*BG151
UGT-Set B/125	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG141 + 1.50*BG150
UGT-Set B/126	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG142 + 1.50*BG151
UGT-Set B/127	0.90*BG101 + 0.90*BG102 + 1.50*BG111 + 1.50*BG141 + 1.50*BG147 + 1.50*BG149
UGT-Set B/128	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG141 + 1.50*BG142 + 1.50*BG150 + 1.50*BG151
UGT-Set B/129	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG141 + 1.50*BG142 + 1.50*BG147 + 1.50*BG150
UGT-Set B/130	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG142 + 1.50*BG149 + 1.50*BG151
UGT-Set B/131	0.90*BG101 + 0.90*BG102 + 1.50*BG122 + 1.50*BG149 + 1.50*BG151
UGT-Set B/132	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG141 + 1.50*BG142 + 1.50*BG147 + 1.50*BG150 + 1.50*BG151
UGT-Set B/133	0.90*BG101 + 0.90*BG102 + 1.50*BG122 + 1.50*BG149
UGT-Set B/134	0.90*BG101 + 0.90*BG102 + 1.50*BG112 + 1.50*BG141 +

Name	Combination key
	1.50*BG147 + 1.50*BG149 + 1.50*BG150
UGT-Set B/135	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG141 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149
UGT-Set B/136	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG141 + 1.50*BG142 + 1.50*BG149 + 1.50*BG151
UGT-Set B/137	0.90*BG101 + 0.90*BG102 + 1.50*BG111 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/138	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG141 + 1.50*BG142 + 1.50*BG149
UGT-Set B/139	0.90*BG101 + 0.90*BG102 + 1.50*BG111 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149
UGT-Set B/140	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG141 + 1.50*BG150 + 1.50*BG151
UGT-Set B/141	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG141 + 1.50*BG147 + 1.50*BG150
UGT-Set B/142	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG141 + 1.50*BG142 + 1.50*BG149 + 1.50*BG151
UGT-Set B/143	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG141 + 1.50*BG147 + 1.50*BG150 + 1.50*BG151
UGT-Set B/144	0.90*BG101 + 0.90*BG102 + 1.50*BG121 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150
UGT-Set B/145	0.90*BG101 + 0.90*BG102 + 1.50*BG112 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150
UGT-Set B/146	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG141 + 1.50*BG142 + 1.50*BG150 + 1.50*BG151
UGT-Set B/147	0.90*BG101 + 0.90*BG102 + 1.50*BG123 + 1.50*BG141 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150
UGT-Set B/148	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG142 + 1.50*BG150 + 1.50*BG151
UGT-Set B/149	1.35*BG101 + 1.35*BG102 + 1.50*BG141 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150 + 1.50*BG151
UGT-Set B/150	0.90*BG101 + 0.90*BG102 + 1.50*BG122 + 1.50*BG147 + 1.50*BG149
UGT-Set B/151	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG141 + 1.50*BG149
UGT-Set B/152	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG141 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/153	0.90*BG101 + 0.90*BG102 + 1.50*BG123 + 1.50*BG141 + 1.50*BG142
UGT-Set B/154	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG141 + 1.50*BG147 + 1.50*BG149
UGT-Set B/155	0.90*BG101 + 0.90*BG102 + 1.50*BG122
UGT-Set B/156	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG141 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150 + 1.50*BG151
UGT-Set B/157	0.90*BG101 + 0.90*BG102 + 1.50*BG122 + 1.50*BG144 + 1.50*BG145 + 1.50*BG149
UGT-Set B/158	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG144 + 1.50*BG145 + 1.50*BG149 + 1.50*BG151
UGT-Set B/159	0.90*BG101 + 0.90*BG102 + 1.50*BG122 + 1.50*BG144 + 1.50*BG145
UGT-Set B/160	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG143 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/161	0.90*BG101 + 0.90*BG102 + 1.50*BG123 + 1.50*BG144 + 1.50*BG145 + 1.50*BG149
UGT-Set B/162	0.90*BG101 + 0.90*BG102 + 1.50*BG122 + 1.50*BG143
UGT-Set B/163	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG143 + 1.50*BG146 + 1.50*BG147 + 1.50*BG151
UGT-Set B/164	0.90*BG101 + 0.90*BG102 + 1.50*BG122 + 1.50*BG145 + 1.50*BG151
UGT-Set B/165	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG143 + 1.50*BG144 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149
UGT-Set B/166	0.90*BG101 + 0.90*BG102 + 1.50*BG122 + 1.50*BG145
UGT-Set B/167	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG143 + 1.50*BG144 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/168	0.90*BG101 + 0.90*BG102 + 1.50*BG122 + 1.50*BG143 + 1.50*BG145

Name	Combination key
UGT-Set B/169	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG145 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149
UGT-Set B/170	0.90*BG101 + 0.90*BG102 + 1.50*BG122 + 1.50*BG143 + 1.50*BG145 + 1.50*BG149
UGT-Set B/171	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG144 + 1.50*BG146 + 1.50*BG147 + 1.50*BG151
UGT-Set B/172	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG145 + 1.50*BG147 + 1.50*BG149
UGT-Set B/173	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/174	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG144 + 1.50*BG145 + 1.50*BG147 + 1.50*BG151
UGT-Set B/175	0.90*BG101 + 0.90*BG102 + 1.50*BG122 + 1.50*BG143 + 1.50*BG146 + 1.50*BG149
UGT-Set B/176	0.90*BG101 + 0.90*BG102 + 1.50*BG121 + 1.50*BG144 + 1.50*BG145
UGT-Set B/177	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG143 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/178	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG143 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/179	0.90*BG101 + 0.90*BG102 + 1.50*BG124 + 1.50*BG144
UGT-Set B/180	0.90*BG101 + 0.90*BG102 + 1.50*BG121 + 1.50*BG144
UGT-Set B/181	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG143 + 1.50*BG144 + 1.50*BG147 + 1.50*BG149
UGT-Set B/182	0.90*BG101 + 0.90*BG102 + 1.50*BG124 + 1.50*BG144 + 1.50*BG146
UGT-Set B/183	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG143 + 1.50*BG144 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/184	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG143 + 1.50*BG145 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/185	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG144 + 1.50*BG147 + 1.50*BG149
UGT-Set B/186	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG143 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/187	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG143 + 1.50*BG145 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149
UGT-Set B/188	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG143 + 1.50*BG145 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/189	0.90*BG101 + 0.90*BG102 + 1.50*BG123 + 1.50*BG144 + 1.50*BG145
UGT-Set B/190	0.90*BG101 + 0.90*BG102 + 1.50*BG124 + 1.50*BG146
UGT-Set B/191	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG143 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/192	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG141 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/193	0.90*BG101 + 0.90*BG102 + 1.50*BG122 + 1.50*BG141 + 1.50*BG149
UGT-Set B/194	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG142 + 1.50*BG147 + 1.50*BG150 + 1.50*BG151
UGT-Set B/195	0.90*BG101 + 0.90*BG102 + 1.50*BG121
UGT-Set B/196	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG141 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150
UGT-Set B/197	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150 + 1.50*BG151
UGT-Set B/198	0.90*BG101 + 0.90*BG102 + 1.50*BG124 + 1.50*BG142 + 1.50*BG150

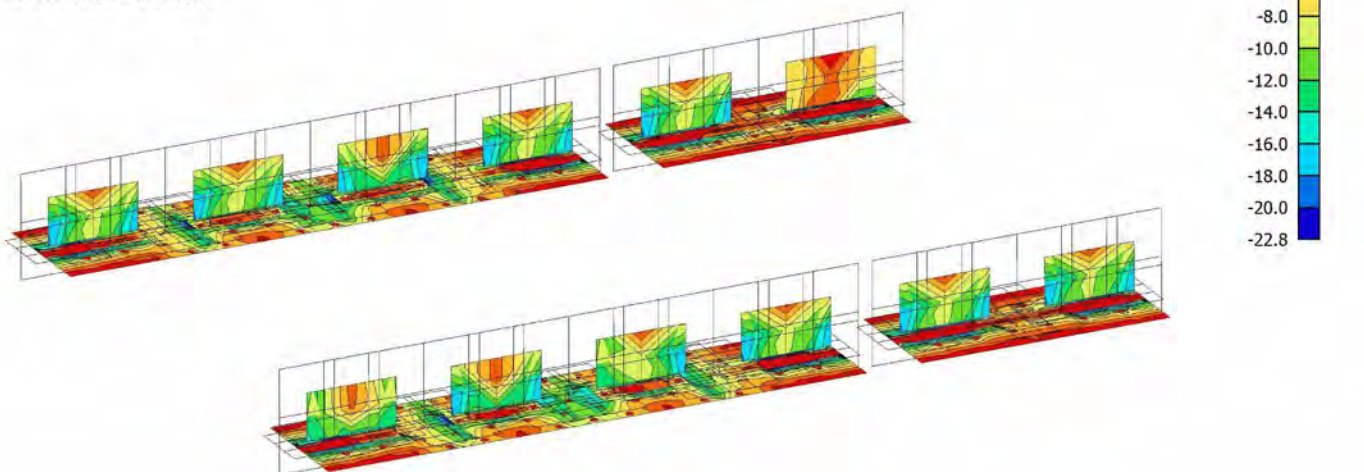
2.2.5.2. Resultaten - σ_{1+}

Values: σ_{1+}
Linear calculation
Class: Alle UGT
Extreme: Member
Selection: Named selection - Check
Location: In nodes avg. on macro.
System: LCS mesh element



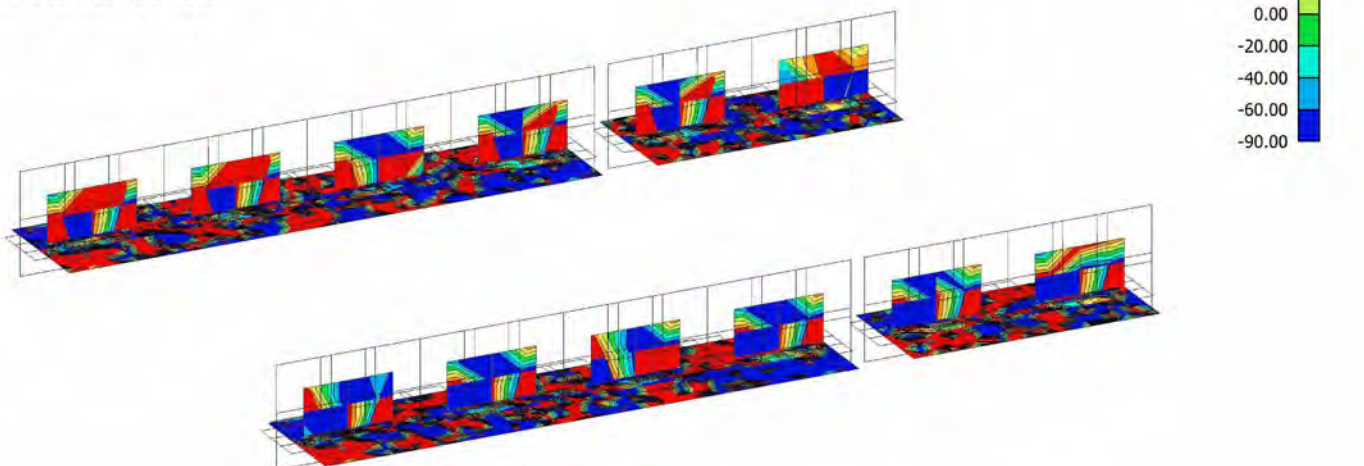
2.2.5.3. Resultaten - σ_{2+}

Values: σ_{2+}
Linear calculation
Class: Alle UGT
Extreme: Member
Selection: Named selection - Check
Location: In nodes avg. on macro.
System: LCS mesh element



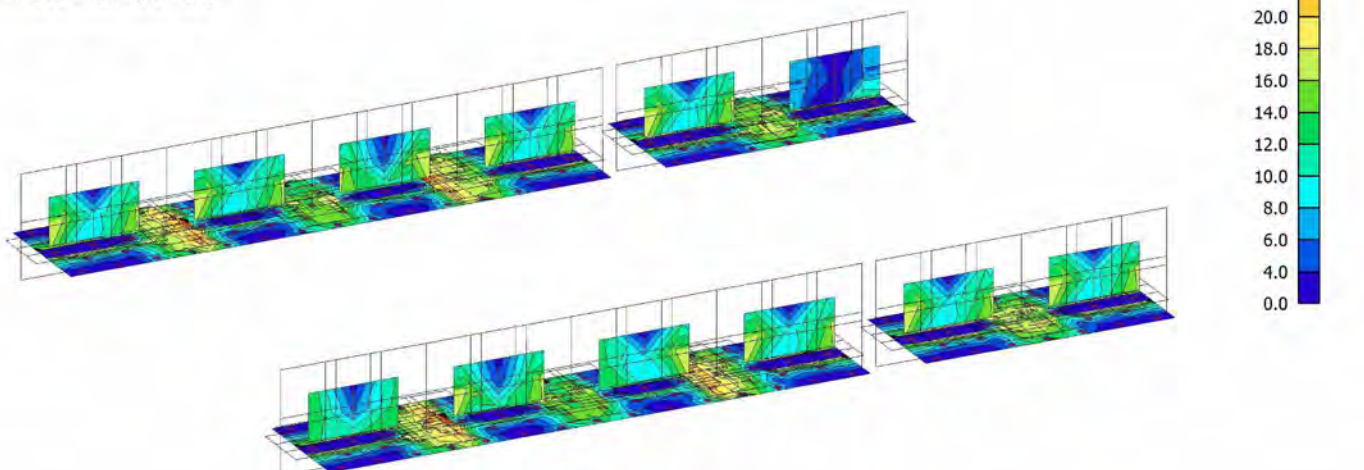
2.2.5.4. Resultaten - $\alpha+$

Values: $\alpha+$
Linear calculation
Class: Alle UGT
Extreme: Member
Selection: Named selection - Check
Location: In nodes avg. on macro.
System: LCS mesh element



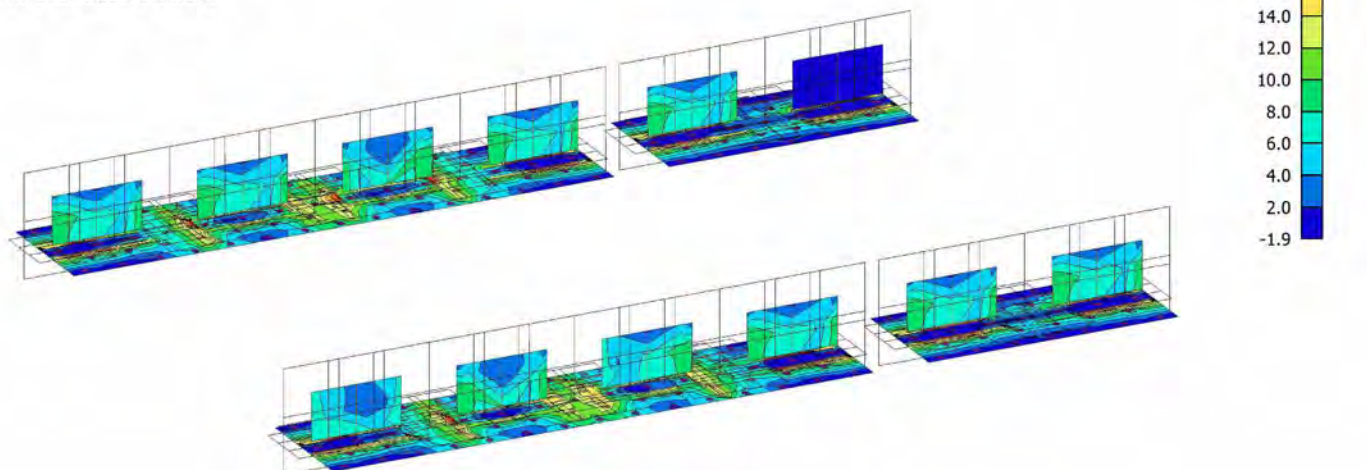
2.2.5.5. Resultaten - σ_{E+}

Values: σ_{E+}
Linear calculation
Class: Alle UGT
Extreme: Member
Selection: Named selection - Check
Location: In nodes avg. on macro.
System: LCS mesh element



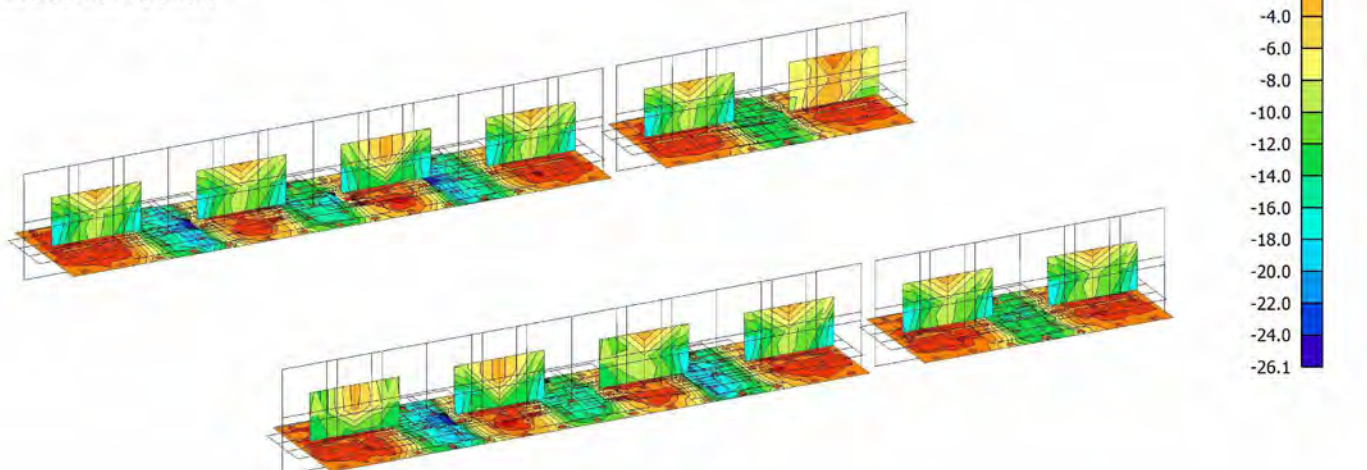
2.2.5.6. Resultaten - σ_1 -

Values: σ_1 -
Linear calculation
Class: Alle UGT
Extreme: Member
Selection: Named selection - Check
Location: In nodes avg. on macro.
System: LCS mesh element



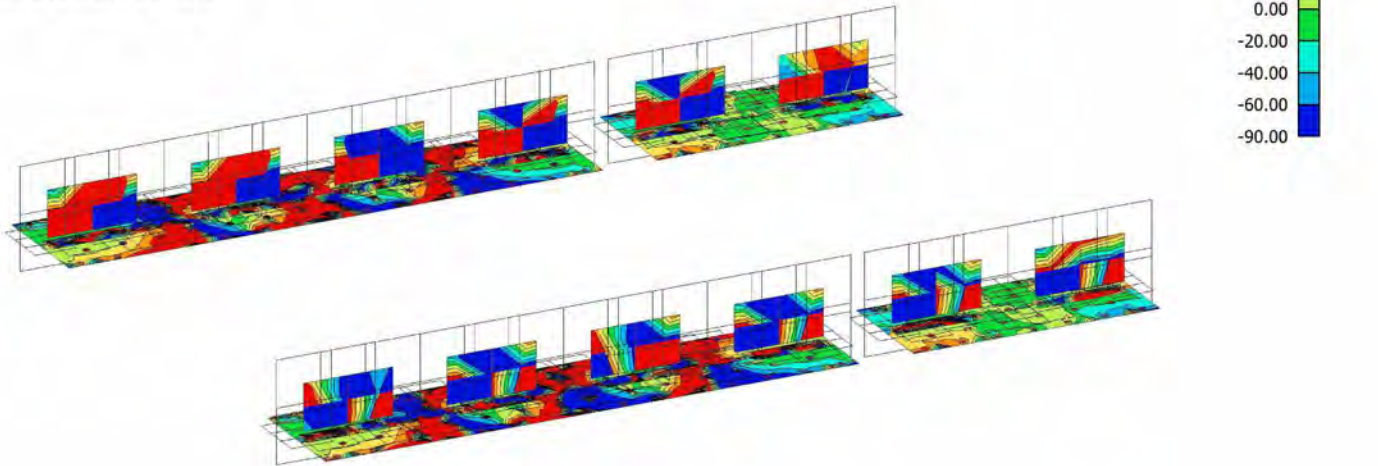
2.2.5.7. Resultaten - σ_2 -

Values: σ_2 -
Linear calculation
Class: Alle UGT
Extreme: Member
Selection: Named selection - Check
Location: In nodes avg. on macro.
System: LCS mesh element



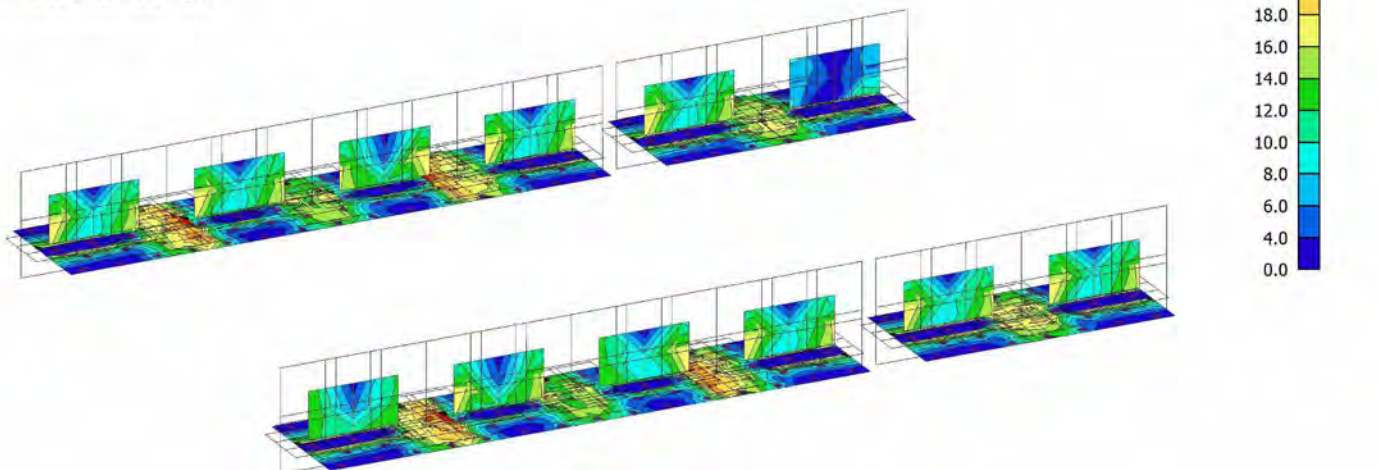
2.2.5.8. Resultaten - α -

Values: α -
Linear calculation
Class: Alle UGT
Extreme: Member
Selection: Named selection - Check
Location: In nodes avg. on macro.
System: LCS mesh element



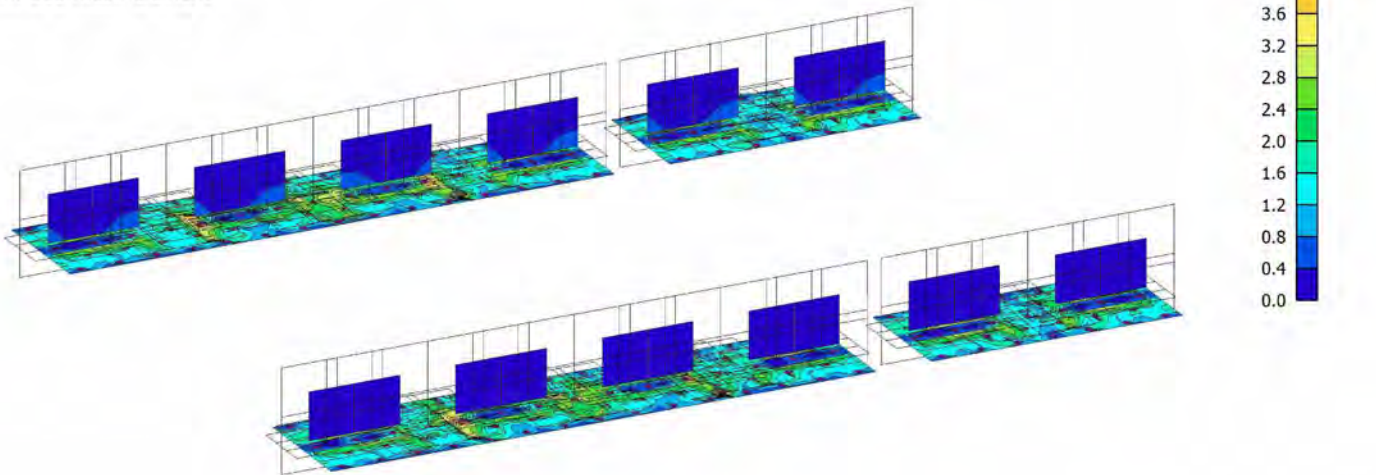
2.2.5.9. Resultaten - σ_E -

Values: σ_E -
Linear calculation
Class: Alle UGT
Extreme: Member
Selection: Named selection - Check
Location: In nodes avg. on macro.
System: LCS mesh element



2.2.5.10. Resultaten - $T_{max,b}$

Values: $T_{max,b}$
 Linear calculation
 Class: Alle UGT
 Extreme: Member
 Selection: Named selection - Check
 Location: In nodes avg. on macro.
 System: LCS mesh element



2.2.6. 2D interne krachten

2.2.6.1. 2D internal forces

Linear calculation

Class: Alle UGT

Extreme: Member

Selection: Named selection - Check

Location: In nodes avg. on macro. System: LCS mesh element

Basic magnitudes

Name	Mesh	Position [m]	Case	m_x	m_{xy}	v_x	n_x	n_{xy}
				[kNm/m] m_y [kNm/m]	[kNm/m]	[kN/m] v_y [kN/m]	[kN/m] n_y [kN/m]	[kN/m]
E1	Element: 31 Node: 161	12.230 20.500 -0.500	UGT-Set B/1	-571.70 -2005.08	-3.41	484.67 -1.98	-4.11 26.42	9.08
E1	Element: 492 Node: 22759	11.750 3.357 -0.500	UGT-Set B/2	3799.52 805.32	-7.15	1798.95 3.98	-33.72 -6.74	6.47
E1	Element: 506 Node: 190	11.750 12.000 -0.500	UGT-Set B/3	517.31 -4255.14	-273.36	-1011.03 -2331.17	-2.33 19.38	2.52
E1	Element: 506 Node: 190	11.750 12.000 -0.500	UGT-Set B/4	1286.66 3561.22	348.34	1026.21 2058.56	-2.01 -1.87	8.07
E1	Element: 215 Node: 120	16.250 10.270 -0.500	UGT-Set B/5	6.86 -1489.67	-650.45	3.43 123.32	5.14 20.71	-4.01
E1	Element: 259 Node: 106	16.250 30.730 -0.500	UGT-Set B/6	454.38 -2496.90	677.59	-150.09 7.10	0.07 12.91	-0.05
E1	Element: 539 Node: 195	13.250 29.000 -0.500	UGT-Set B/7	2097.24 -428.74	37.28	-2316.46 452.91	-20.90 -15.01	-5.18
E1	Element: 506 Node: 73023	11.143 12.221 -0.500	UGT-Set B/8	1623.93 -114.05	48.35	2706.46 309.25	-18.35 -6.63	-4.73
E1	Element: 93 Node: 192	13.250 12.000 -0.500	UGT-Set B/9	783.32 -430.12	-505.90	1249.84 -3291.07	-0.82 0.52	10.48
E1	Element: 104 Node: 195	13.250 29.000 -0.500	UGT-Set B/10	682.24 -402.26	476.02	1293.31 3082.10	-0.64 2.65	-9.98
E1	Element: 188 Node: 60793	13.917 1.000 -0.500	UGT-Set B/11	1910.88 2.41	-49.75	-335.10 702.79	-34.97 -0.25	-1.57
E1	Element: 548 Node: 73080	13.923 25.103 -0.500	UGT-Set B/12	807.32 61.47	54.60	-1110.18 339.36	29.27 25.82	-12.00
E1	Element: 236 Node: 73052	15.922 19.233 -0.500	UGT-Set B/13	130.27 1481.67	95.33	-194.39 255.71	-2.97 -73.89	-4.88
E1	Element: 236 Node: 73052	15.922 19.233 -0.500	UGT-Set B/12	86.63 -1848.80	-165.26	-301.28 -504.48	1.64 79.46	4.19
E1	Element: 492 Node: 22759	11.750 3.357 -0.500	UGT-Set B/14	700.45 146.26	-28.80	289.64 38.14	1.21 0.24	-26.71
E1	Element: 492 Node: 22759	11.750 3.357 -0.500	UGT-Set B/15	3403.76 720.55	9.59	1633.14 -15.92	-7.84 -1.56	28.20
E2	Element: 735 Node: 73143	12.500 3.125 0.000	UGT-Set B/16	-54.09 -227.55	-60.28	-164.04 295.63	-215.97 -399.59	-207.37
E2	Element: 735 Node: 73143	12.500 3.125 0.000	UGT-Set B/17	54.33 223.06	56.52	154.04 -301.83	-1535.72 -3180.70	-1595.81
E2	Element: 737 Node: 73148	12.500 6.375	UGT-Set B/18	-26.41 -582.20	124.32	162.61 -582.12	-798.22 -14195.76	-3191.93

Name	Mesh	Position [m]	Case	m_x [kNm/m]	m_{xy} [kNm/m]	v_x [kN/m]	n_x [kN/m]	n_{xy} [kN/m]
				m_y [kNm/m]		v_y [kN/m]	n_y [kN/m]	
		0.000						
E2	Element: 737 Node: 73148	12.500 6.375 0.000	UGT-Set B/19	20.93 564.11	-131.41	-156.92 566.03	-129.54 -1696.97	-216.54
E2	Element: 735 Node: 313	12.500 1.500 0.000	UGT-Set B/20	-8.39 512.47	145.60	258.23 -592.55	-476.84 -1216.56	-444.69
E2	Element: 735 Node: 313	12.500 1.500 0.000	UGT-Set B/21	11.27 -523.49	-151.43	-273.80 585.23	-3859.02 -10087.68	-3593.29
E2	Element: 739 Node: 73145	12.500 1.500 1.700	UGT-Set B/22	11.18 -316.80	140.23	274.13 110.53	-3868.90 -6455.68	-3605.76
E2	Element: 735 Node: 313	12.500 1.500 0.000	UGT-Set B/23	-5.84 505.64	139.52	244.75 -601.72	-3848.98 -10060.62	-3583.14
E2	Element: 735 Node: 313	12.500 1.500 0.000	UGT-Set B/24	8.73 -516.65	-145.34	-260.32 594.40	-486.89 -1243.63	-454.84
E2	Element: 738 Node: 314	12.500 8.000 0.000	UGT-Set B/25	1.17 -16.56	7.71	8.57 14.74	-21520.33 -11193.14	9425.29
E2	Element: 735 Node: 313	12.500 1.500 0.000	UGT-Set B/26	0.25 -0.94	-0.52	-1.37 -0.68	13643.21 -312.10	4751.27
E2	Element: 737 Node: 73148	12.500 6.375 0.000	UGT-Set B/27	-5.00 -16.57	-6.51	5.15 -14.76	4791.51 -16684.82	1537.75
E2	Element: 740 Node: 73151	12.500 4.750 3.400	UGT-Set B/28	-4.65 -4.41	-0.17	-4.80 7.80	-104.44 2278.49	403.74
E2	Element: 735 Node: 313	12.500 1.500 0.000	UGT-Set B/29	2.64 -10.08	-5.30	-14.19 -6.64	-21507.88 -11213.90	-10086.38
E2	Element: 740 Node: 73144	12.500 2.563 1.700	UGT-Set B/29	2.87 -15.01	-5.30	13.09 -2.97	-18238.49 -3913.35	9786.48
E3	Element: 743 Node: 73152	12.500 13.625 0.000	UGT-Set B/16	-54.11 -227.69	-60.06	-164.00 295.70	-215.86 -400.38	-207.32
E3	Element: 743 Node: 73152	12.500 13.625 0.000	UGT-Set B/17	54.37 223.08	56.41	154.04 -301.85	-1535.61 -3180.99	-1595.62
E3	Element: 745 Node: 73157	12.500 16.875 0.000	UGT-Set B/30	-26.37 -582.10	124.24	162.44 -581.90	-798.09 -14192.96	-3191.58
E3	Element: 745 Node: 73157	12.500 16.875 0.000	UGT-Set B/31	20.93 564.07	-131.24	-156.79 565.98	-129.54 -1697.50	-216.85
E3	Element: 744 Node: 73153	12.500 13.063 1.700	UGT-Set B/32	-37.49 -315.98	-151.46	231.25 -114.94	-2738.73 -6437.06	-3583.29
E3	Element: 747 Node: 73154	12.500 12.000 1.700	UGT-Set B/33	8.72 -304.43	145.69	260.89 112.88	-486.92 -716.52	-454.60
E3	Element: 743 Node: 319	12.500 12.000 0.000	UGT-Set B/32	11.26 -523.63	-151.45	-273.72 585.62	-3859.25 -10089.52	-3593.50
E3	Element: 747 Node: 73154	12.500 12.000 1.700	UGT-Set B/34	11.18 -317.12	140.30	274.04 110.67	-3869.08 -6457.01	-3605.63
E3	Element: 743 Node: 319	12.500 12.000 0.000	UGT-Set B/35	-5.83 505.71	139.60	244.75 -602.08	-3849.11 -10061.92	-3583.29
E3	Element: 743	12.500	UGT-Set B/33	8.72	-145.38	-260.25	-486.92	-454.60

Name	Mesh	Position [m]	Case	m_x [kNm/m]	m_y [kNm/m]	v_x [kN/m]	v_y [kN/m]	n_x [kN/m]	n_y [kN/m]
	Node: 319	12.000 0.000		-516.81		594.79		-1243.81	
E3	Element: 746 Node: 320	12.500 18.500 0.000	UGT-Set B/36	1.18 -16.52	7.71	8.77 14.63		-21520.13 -11190.89	9425.06
E3	Element: 743 Node: 319	12.500 12.000 0.000	UGT-Set B/37	0.26 -0.95	-0.52	-1.36 -0.71		13643.23 -311.99	4751.43
E3	Element: 745 Node: 73157	12.500 16.875 0.000	UGT-Set B/38	-4.92 -16.54	-6.45	5.12 -14.63		4791.63 -16682.57	1537.92
E3	Element: 748 Node: 73160	12.500 15.250 3.400	UGT-Set B/39	-4.62 -4.43	0.15	-4.91 7.79		-104.33 2278.70	403.56
E3	Element: 744 Node: 73153	12.500 13.063 1.700	UGT-Set B/40	2.87 -15.05	-5.29	13.07 -2.96		-18238.44 -3914.34	-10086.63
E3	Element: 748 Node: 73153	12.500 13.063 1.700	UGT-Set B/41	2.88 -15.05	-5.26	13.05 -2.96		-18238.45 -3914.84	9786.52
E4	Element: 753 Node: 73166	12.500 27.375 0.000	UGT-Set B/22	-60.49 -232.71	59.64	168.40 -304.22		-2046.94 -3216.54	1445.65
E4	Element: 753 Node: 73166	12.500 27.375 0.000	UGT-Set B/42	55.18 226.70	-55.19	-162.48 295.59		-254.24 -374.76	179.49
E4	Element: 751 Node: 325	12.500 22.500 0.000	UGT-Set B/22	11.13 -577.01	-135.76	-273.24 559.70		-3869.21 -14237.97	-3496.43
E4	Element: 751 Node: 325	12.500 22.500 0.000	UGT-Set B/42	-8.26 563.77	130.35	257.76 -566.74		-466.93 -1628.99	-420.06
E4	Element: 757 Node: 73167	12.500 27.938 1.700	UGT-Set B/43	-43.66 -298.48	-153.32	-224.83 102.20		-2501.10 -5794.52	-3246.32
E4	Element: 754 Node: 73167	12.500 27.938 1.700	UGT-Set B/22	-44.01 -297.47	154.03	-223.84 119.11		-2511.21 -5823.76	3568.65
E4	Element: 751 Node: 325	12.500 22.500 0.000	UGT-Set B/43	11.24 -575.95	-136.61	-273.65 558.03		-3859.31 -14192.30	-3484.14
E4	Element: 755 Node: 73163	12.500 22.500 1.700	UGT-Set B/22	11.13 -325.34	126.02	274.06 111.11		-3869.21 -6747.79	-3496.43
E4	Element: 754 Node: 326	12.500 29.000 0.000	UGT-Set B/44	-8.26 514.32	-143.62	-257.86 -593.96		-487.38 -1234.77	443.71
E4	Element: 754 Node: 326	12.500 29.000 0.000	UGT-Set B/43	9.55 -532.44	153.32	267.55 612.29		-3860.84 -10090.59	3551.85
E4	Element: 754 Node: 326	12.500 29.000 0.000	UGT-Set B/29	1.19 -16.72	8.95	8.86 16.77		-21520.09 -11234.82	10049.41
E4	Element: 751 Node: 325	12.500 22.500 0.000	UGT-Set B/45	0.23 -1.22	-0.42	-1.29 -0.58		13643.18 -4089.15	4237.00
E4	Element: 751 Node: 325	12.500 22.500 0.000	UGT-Set B/46	2.64 -12.01	-4.99	-14.21 -6.47		10251.08 -16659.29	1170.57
E4	Element: 756 Node: 73169	12.500 25.750 3.400	UGT-Set B/46	-4.32 -4.45	-1.26	-5.25 7.81		4353.08 2278.73	1153.81
E4	Element: 757 Node: 73167	12.500 27.938 1.700	UGT-Set B/47	-4.10 -12.75	-8.16	-5.77 -8.60		-17529.62 -3306.12	-9737.12

Name	Mesh	Position [m]	Case	m_x [kNm/m] m_y [kNm/m]	m_{xy} [kNm/m]	v_x [kN/m] v_y [kN/m]	n_x [kN/m] n_y [kN/m]	n_{xy} [kN/m]
E5	Element: 759 Node: 73170	12.500 34.625 0.000	UGT-Set B/48	-54.14 -227.91	-60.09	-163.94 295.82	-208.75 -383.78	-198.65
E5	Element: 759 Node: 73170	12.500 34.625 0.000	UGT-Set B/49	54.46 222.80	56.73	154.09 -301.68	-1542.52 -3199.47	-1604.52
E5	Element: 761 Node: 73175	12.500 37.875 0.000	UGT-Set B/50	-26.38 -581.82	124.30	162.44 -581.38	-798.12 -14189.98	-3191.30
E5	Element: 761 Node: 73175	12.500 37.875 0.000	UGT-Set B/51	20.97 563.74	-131.02	-156.50 565.75	-129.52 -1696.51	-216.70
E5	Element: 763 Node: 73172	12.500 33.000 1.700	UGT-Set B/52	-5.77 288.22	-151.64	-244.53 -115.06	-3849.24 -6420.19	-3583.42
E5	Element: 764 Node: 73171	12.500 34.063 1.700	UGT-Set B/53	-39.40 -305.26	146.01	221.25 -113.69	-365.17 -754.01	249.73
E5	Element: 759 Node: 331	12.500 33.000 0.000	UGT-Set B/54	11.17 -523.57	-151.52	-273.32 586.44	-3838.87 -10036.18	-3574.07
E5	Element: 763 Node: 73172	12.500 33.000 1.700	UGT-Set B/22	11.09 -317.74	140.49	273.85 111.05	-3869.46 -6459.48	-3605.95
E5	Element: 759 Node: 331	12.500 33.000 0.000	UGT-Set B/55	-5.80 505.87	139.80	244.66 -602.56	-3828.57 -10007.78	-3563.73
E5	Element: 759 Node: 331	12.500 33.000 0.000	UGT-Set B/53	8.67 -517.32	-145.52	-259.83 595.90	-507.81 -1300.54	-474.44
E5	Element: 762 Node: 332	12.500 39.500 0.000	UGT-Set B/56	1.22 -16.50	7.86	8.93 14.27	-21519.85 -11187.43	9424.55
E5	Element: 759 Node: 331	12.500 33.000 0.000	UGT-Set B/57	0.25 -1.12	-0.46	-1.32 -0.58	13643.17 -312.37	4751.39
E5	Element: 761 Node: 73175	12.500 37.875 0.000	UGT-Set B/39	-4.89 -16.52	-6.17	5.42 -14.29	4791.61 -16679.11	1538.35
E5	Element: 764 Node: 73178	12.500 36.250 3.400	UGT-Set B/27	-4.64 -4.43	0.23	-5.07 7.80	-104.44 2278.95	260.70
E5	Element: 759 Node: 331	12.500 33.000 0.000	UGT-Set B/25	2.62 -10.32	-5.26	-13.85 -6.08	-21508.36 -11217.70	-10086.69
E5	Element: 764 Node: 73171	12.500 34.063 1.700	UGT-Set B/25	2.94 -15.20	-5.05	13.17 -3.07	-18238.52 -3916.92	9786.70
E6	Element: 807 Node: 501	50.230 20.500 -0.500	UGT-Set B/58	-593.46 -1993.72	-3.15	378.23 -3.65	-4.42 26.91	0.21
E6	Element: 1303 Node: 73215	49.750 3.357 -0.500	UGT-Set B/59	3728.16 729.11	-72.83	1850.16 -21.44	-2.34 0.15	-18.56
E6	Element: 1224 Node: 73234	50.500 12.000 -0.500	UGT-Set B/60	-332.62 -4336.24	44.85	-31.70 -2647.82	-0.07 18.30	1.25
E6	Element: 1224 Node: 73234	50.500 12.000 -0.500	UGT-Set B/61	554.96 3643.55	-288.68	44.62 2082.23	-0.06 -1.70	9.62
E6	Element: 981 Node: 444	54.250 10.270 -0.500	UGT-Set B/62	-2.02 -1482.38	-648.35	2.47 102.75	0.16 19.69	-5.68
E6	Element: 1025 Node: 454	54.250 30.730	UGT-Set B/63	457.54 -2487.61	666.87	-149.06 16.36	-4.37 15.23	2.75

Name	Mesh	Position [m]	Case	m_x [kNm/m]	m_{xy} [kNm/m]	v_x [kN/m]	n_x [kN/m]	n_{xy} [kN/m]
				m_y [kNm/m]		v_y [kN/m]	n_y [kN/m]	
		-0.500						
E6	Element: 1337 Node: 536	51.250 12.000 -0.500	UGT-Set B/64	1895.44 -483.92	-13.84	-2144.63 -579.68	-4.85 -4.04	9.90
E6	Element: 1330 Node: 73233	49.750 12.929 -0.500	UGT-Set B/64	1680.03 62.80	59.06	2111.75 73.03	-2.69 -3.22	-8.95
E6	Element: 911 Node: 536	51.250 12.000 -0.500	UGT-Set B/65	765.84 -429.90	-485.39	1187.00 -3337.87	-2.49 0.85	9.31
E6	Element: 809 Node: 73185	50.500 29.000 -0.500	UGT-Set B/66	165.21 -294.74	-369.04	-24.00 2723.50	-0.79 -0.10	9.84
E6	Element: 1052 Node: 73293	51.917 40.000 -0.500	UGT-Set B/67	1894.63 3.32	48.03	-323.20 -694.35	-37.21 -0.14	1.23
E6	Element: 1052 Node: 73293	51.917 40.000 -0.500	UGT-Set B/68	294.02 -3.91	-19.99	96.00 -95.97	29.12 0.28	-1.40
E6	Element: 1226 Node: 73458	49.371 20.014 -0.500	UGT-Set B/69	1596.41 2067.56	7.24	1232.07 -877.17	-2.01 -40.66	7.87
E6	Element: 1226 Node: 73458	49.371 20.014 -0.500	UGT-Set B/70	-51.15 -2588.92	-23.36	-679.27 715.37	-2.25 55.85	-9.36
E6	Element: 1275 Node: 73200	49.750 34.857 -0.500	UGT-Set B/71	3115.51 658.45	-52.09	1652.28 55.60	-2.65 -0.53	-25.95
E6	Element: 1302 Node: 73214	49.750 4.286 -0.500	UGT-Set B/72	3219.69 696.12	176.50	1761.50 -136.89	1.59 -1.75	26.07
E7	Element: 1507 Node: 73582	50.500 8.000 1.700	UGT-Set B/73	-8.36 6.95	-0.04	-21.08 8.92	-1558.31 -6361.36	2874.27
E7	Element: 1505 Node: 73579	50.500 4.750 1.700	UGT-Set B/74	9.63 5.52	-0.06	4.36 0.53	817.17 -3594.92	-1187.22
E7	Element: 1506 Node: 73580	50.500 6.375 0.000	UGT-Set B/75	1.49 -26.09	6.84	-6.25 -31.19	-179.47 -1586.98	-170.80
E7	Element: 1506 Node: 73580	50.500 6.375 0.000	UGT-Set B/76	-0.46 39.32	-12.26	-1.87 40.57	-1559.33 -14062.67	-2840.09
E7	Element: 1507 Node: 650	50.500 8.000 0.000	UGT-Set B/74	-8.11 -14.88	2.25	-27.08 40.54	-3676.96 -14022.41	3104.98
E7	Element: 1504 Node: 649	50.500 1.500 0.000	UGT-Set B/74	-6.27 -11.03	-2.35	21.59 12.05	-3677.94 -9970.67	-3236.15
E7	Element: 1504 Node: 649	50.500 1.500 0.000	UGT-Set B/76	3.80 42.76	15.04	-3.11 -46.85	-3687.46 -9997.74	-3245.04
E7	Element: 1507 Node: 73580	50.500 6.375 0.000	UGT-Set B/77	2.37 -15.01	2.30	-13.03 40.65	-1555.97 -14021.21	3105.23
E7	Element: 1505 Node: 73577	50.500 4.750 0.000	UGT-Set B/78	1.69 6.64	2.97	1.33 8.54	-17357.61 -4529.76	-4082.13
E7	Element: 1505 Node: 73577	50.500 4.750 0.000	UGT-Set B/79	0.15 0.58	0.28	0.13 0.75	11715.52 723.39	1999.07
E7	Element: 1506 Node: 73580	50.500 6.375 0.000	UGT-Set B/80	0.95 12.18	-4.99	-7.47 8.65	5551.17 -16486.76	1168.05
E7	Element: 1509	50.500	UGT-Set B/81	3.52	2.80	-4.36	4331.52	-1078.36

Name	Mesh	Position [m]	Case	m_x [kNm/m] m_y [kNm/m]	m_{xy} [kNm/m]	v_x [kN/m] v_y [kN/m]	n_x [kN/m] n_y [kN/m]	n_{xy} [kN/m]
	Node: 73583	4.750 3.400		5.13		-7.51	2271.74	
E7	Element: 1505 Node: 73575	50.500 2.563 1.700	UGT-Set B/82	5.36 12.62	6.15	-4.57 8.53	-10049.22 -3722.19	-9190.72
E7	Element: 1509 Node: 653	50.500 2.000 3.400	UGT-Set B/83	-0.77 8.79	-6.11	-6.18 6.51	-8181.03 -12465.81	8934.49
E8	Element: 1513 Node: 73590	50.500 15.250 1.700	UGT-Set B/84	9.64 5.87	-0.24	4.36 1.51	817.65 -2659.01	-1138.72
E8	Element: 1514 Node: 73591	50.500 16.875 0.000	UGT-Set B/85	1.29 -26.08	7.03	-5.41 -31.18	-149.29 -1589.13	-192.18
E8	Element: 1516 Node: 73588	50.500 12.000 1.700	UGT-Set B/86	-9.28 5.04	-15.75	2.96 -2.13	-3816.57 -5724.69	-3510.12
E8	Element: 1513 Node: 73587	50.500 13.063 1.700	UGT-Set B/87	7.78 18.94	15.76	-12.92 14.69	-2484.07 -5735.93	-3512.30
E8	Element: 1515 Node: 656	50.500 18.500 0.000	UGT-Set B/84	-10.98 -14.87	1.85	-25.61 40.55	-3814.90 -14021.94	3442.56
E8	Element: 1519 Node: 73593	50.500 18.500 1.700	UGT-Set B/88	5.46 22.52	-13.17	25.61 -4.43	-3825.12 -6662.97	3452.72
E8	Element: 1512 Node: 655	50.500 12.000 0.000	UGT-Set B/88	7.18 42.78	15.74	-2.92 -46.87	-3826.69 -9998.56	-3520.05
E8	Element: 1515 Node: 73591	50.500 16.875 0.000	UGT-Set B/89	0.29 -14.95	1.89	-13.47 40.62	-1048.33 -14025.36	3444.41
E8	Element: 1512 Node: 655	50.500 12.000 0.000	UGT-Set B/90	-1.05 15.84	6.85	8.40 -17.37	-21465.65 -11093.86	-10000.88
E8	Element: 1512 Node: 655	50.500 12.000 0.000	UGT-Set B/91	-0.08 1.38	0.59	0.74 -1.53	13654.79 -277.00	4767.08
E8	Element: 1514 Node: 73591	50.500 16.875 0.000	UGT-Set B/92	-1.11 12.15	-5.63	-8.83 8.62	4631.69 -16486.37	1504.46
E8	Element: 1517 Node: 73594	50.500 15.250 3.400	UGT-Set B/92	3.52 4.24	2.36	-4.38 -7.69	4330.39 2271.90	-1033.05
E8	Element: 1513 Node: 73587	50.500 13.063 1.700	UGT-Set B/93	5.01 11.92	6.85	-6.13 8.36	-17513.37 -3246.09	-10004.01
E8	Element: 1517 Node: 73587	50.500 13.063 1.700	UGT-Set B/94	5.02 12.04	-6.84	-6.20 8.41	-17512.00 -3252.39	9712.19
E9	Element: 1525 Node: 73605	50.500 25.750 3.400	UGT-Set B/95	11.67 5.50	0.70	-4.24 -11.29	616.98 502.09	-447.09
E9	Element: 1523 Node: 662	50.500 29.000 0.000	UGT-Set B/96	-8.46 -26.07	8.38	-12.57 30.29	-455.96 -1157.97	420.80
E9	Element: 1526 Node: 73602	50.500 27.938 1.700	UGT-Set B/97	-5.37 6.56	-14.81	5.82 8.34	-2479.42 -5723.01	-3231.68
E9	Element: 1521 Node: 73595	50.500 24.125 0.000	UGT-Set B/98	1.84 44.37	13.38	-0.32 47.30	-1120.50 -14054.10	2902.53
E9	Element: 1523 Node: 662	50.500 29.000 0.000	UGT-Set B/95	-10.98 -17.18	2.96	-25.61 38.52	-3815.02 -9969.63	3509.36

Name	Mesh	Position [m]	Case	m_x [kNm/m] m_y [kNm/m]	m_{xy} [kNm/m]	v_x [kN/m] v_y [kN/m]	n_x [kN/m] n_y [kN/m]	n_{xy} [kN/m]
E9	Element: 1527 Node: 73604	50.500 29.000 1.700	UGT-Set B/99	5.46 20.56	-14.78	25.61 -4.19	-3825.17 -5740.36	3519.43
E9	Element: 1520 Node: 661	50.500 22.500 0.000	UGT-Set B/99	3.80 44.42	13.36	-3.09 -47.33	-3687.95 -14062.45	-3184.16
E9	Element: 1521 Node: 73595	50.500 24.125 0.000	UGT-Set B/99	1.84 44.42	13.36	-0.31 47.33	-1120.43 -14062.45	2904.80
E9	Element: 1523 Node: 662	50.500 29.000 0.000	UGT-Set B/90	-2.75 9.67	-5.89	-14.24 9.12	-21464.12 -11092.48	10000.21
E9	Element: 1523 Node: 662	50.500 29.000 0.000	UGT-Set B/91	-0.25 0.84	-0.51	-1.23 0.84	13654.21 -284.49	-4762.85
E9	Element: 1520 Node: 661	50.500 22.500 0.000	UGT-Set B/100	-1.23 17.26	5.99	9.21 -15.39	5094.34 -16483.94	874.58
E9	Element: 1525 Node: 73605	50.500 25.750 3.400	UGT-Set B/100	4.69 5.13	1.56	-4.26 -7.52	-125.03 2271.77	-447.97
E9	Element: 1526 Node: 73602	50.500 27.938 1.700	UGT-Set B/101	-2.63 13.55	-5.90	12.55 2.08	-17513.33 -3253.90	-9714.56
E9	Element: 1522 Node: 73602	50.500 27.938 1.700	UGT-Set B/102	-2.63 13.54	-5.86	12.54 2.08	-17513.32 -3253.35	10003.25
E10	Element: 1533 Node: 73621	50.500 36.250 3.400	UGT-Set B/54	11.67 5.50	1.01	-4.24 -11.28	616.98 502.10	-352.71
E10	Element: 1530 Node: 73615	50.500 37.875 0.000	UGT-Set B/53	1.08 -26.09	7.02	-5.05 -31.19	-130.90 -1593.28	-197.12
E10	Element: 1532 Node: 73611	50.500 33.000 1.700	UGT-Set B/89	-9.27 5.30	-15.91	2.99 -1.77	-3815.68 -6353.42	-3548.68
E10	Element: 1529 Node: 73609	50.500 34.063 1.700	UGT-Set B/103	7.74 20.27	15.90	-12.69 15.07	-2719.60 -6372.40	-3554.27
E10	Element: 1531 Node: 668	50.500 39.500 0.000	UGT-Set B/54	-10.98 -14.88	1.76	-25.60 40.54	-3815.01 -14022.11	3443.78
E10	Element: 1535 Node: 73620	50.500 39.500 1.700	UGT-Set B/55	5.47 21.72	-13.25	25.60 -4.49	-3825.07 -6319.71	3453.85
E10	Element: 1528 Node: 667	50.500 33.000 0.000	UGT-Set B/55	7.19 42.76	15.87	-2.93 -46.85	-3826.87 -9999.24	-3561.90
E10	Element: 1531 Node: 73615	50.500 37.875 0.000	UGT-Set B/77	-0.80 -15.01	1.82	-13.63 40.65	-801.42 -14025.50	3447.45
E10	Element: 1528 Node: 667	50.500 33.000 0.000	UGT-Set B/104	-1.05 15.85	6.95	8.42 -17.39	-21465.72 -11093.85	-10042.43
E10	Element: 1528 Node: 667	50.500 33.000 0.000	UGT-Set B/105	-0.08 1.34	0.58	0.70 -1.49	13655.05 -274.97	4762.05
E10	Element: 1530 Node: 73615	50.500 37.875 0.000	UGT-Set B/106	-2.08 12.14	-5.71	-9.44 8.60	4791.32 -16487.43	1578.43
E10	Element: 1533 Node: 73621	50.500 36.250 3.400	UGT-Set B/107	4.70 5.15	1.43	-4.26 -7.54	-125.03 2271.79	-353.47
E10	Element: 1529 Node: 73609	50.500 34.063	UGT-Set B/108	4.94 12.72	6.94	-5.90 8.37	-18210.98 -3827.08	-10046.53

Name	Mesh	Position [m]	Case	m_x [kNm/m] m_y [kNm/m]	m_{xy} [kNm/m]	v_x [kN/m] v_y [kN/m]	n_x [kN/m] n_y [kN/m]	n_{xy} [kN/m]
		1.700						
E10	Element: 1533 Node: 73609	50.500 34.063 1.700	UGT-Set B/109	4.95 12.86	-6.92	-5.98 8.43	-18209.91 -3834.82	9749.31
E11	Element: 1536 Node: 73622	12.500 46.125 0.000	UGT-Set B/110	-55.69 -234.90	-62.69	-169.71 305.02	-216.76 -404.38	-209.19
E11	Element: 1536 Node: 73622	12.500 46.125 0.000	UGT-Set B/111	56.05 229.02	59.71	159.68 -311.18	-1536.42 -3184.73	-1597.03
E11	Element: 1538 Node: 73627	12.500 49.375 0.000	UGT-Set B/112	-27.39 -601.07	129.39	168.47 -600.26	-798.43 -14207.38	-3193.94
E11	Element: 1538 Node: 73627	12.500 49.375 0.000	UGT-Set B/113	21.35 582.83	-135.81	-162.35 584.83	-129.97 -1699.54	-216.16
E11	Element: 1536 Node: 673	12.500 44.500 0.000	UGT-Set B/112	11.91 -540.47	-156.02	-282.61 602.41	-3863.26 -10101.79	-3597.39
E11	Element: 1537 Node: 73623	12.500 45.563 1.700	UGT-Set B/114	41.87 308.17	150.24	-224.00 114.81	-347.13 -703.86	-456.73
E11	Element: 1536 Node: 673	12.500 44.500 0.000	UGT-Set B/115	11.91 -540.44	-156.01	-282.62 602.37	-3863.25 -10101.79	-3597.39
E11	Element: 1540 Node: 73624	12.500 44.500 1.700	UGT-Set B/116	11.79 -326.54	144.83	282.98 114.04	-3872.17 -6464.05	-3608.99
E11	Element: 1536 Node: 673	12.500 44.500 0.000	UGT-Set B/117	-6.37 521.48	143.97	253.90 -620.37	-3853.16 -10072.90	-3586.55
E11	Element: 1536 Node: 673	12.500 44.500 0.000	UGT-Set B/118	9.30 -533.34	-149.77	-269.20 612.51	-489.34 -1252.43	-457.37
E11	Element: 1539 Node: 674	12.500 51.000 0.000	UGT-Set B/119	1.15 -16.94	7.07	8.78 14.58	-21523.71 -11202.32	9427.77
E11	Element: 1539 Node: 674	12.500 51.000 0.000	UGT-Set B/120	0.16 -1.29	0.95	1.00 0.84	13641.15 -4094.41	-4315.04
E11	Element: 1538 Node: 73627	12.500 49.375 0.000	UGT-Set B/121	-5.37 -17.00	-6.17	5.19 -14.68	4791.12 -16694.00	1536.45
E11	Element: 1541 Node: 73631	12.500 47.750 3.400	UGT-Set B/122	-4.79 -4.26	2.04	-5.62 7.80	-103.31 2279.48	265.00
E11	Element: 1536 Node: 673	12.500 44.500 0.000	UGT-Set B/123	2.64 -10.99	-5.18	-13.89 -6.88	-21512.15 -11227.54	-10090.28
E11	Element: 1541 Node: 73623	12.500 45.563 1.700	UGT-Set B/123	3.10 -15.69	-5.15	13.41 -3.02	-18241.06 -3923.22	9788.24
E12	Element: 1544 Node: 73632	12.500 56.625 0.000	UGT-Set B/124	-53.96 -227.37	-60.52	-163.98 295.54	-208.78 -383.47	-198.56
E12	Element: 1544 Node: 73632	12.500 56.625 0.000	UGT-Set B/125	54.39 221.47	57.59	154.04 -301.41	-1542.61 -3199.05	-1604.34
E12	Element: 1546 Node: 73639	12.500 59.875 0.000	UGT-Set B/126	-26.78 -582.36	125.22	163.08 -581.81	-798.13 -14190.82	-3191.38
E12	Element: 1546 Node: 73639	12.500 59.875 0.000	UGT-Set B/127	20.63 564.53	-131.35	-156.80 566.85	-129.56 -1697.21	-216.87
E12	Element: 1544	12.500	UGT-Set B/126	11.33	-151.33	-273.56	-3859.43	-3593.64

Name	Mesh	Position [m]	Case	m_x [kNm/m] m_y [kNm/m]	m_{xy} [kNm/m]	v_x [kN/m] v_y [kN/m]	n_x [kN/m] n_y [kN/m]	n_{xy} [kN/m]
	Node: 679	55.000 0.000		-523.96		583.95	-10090.93	
E12	Element: 1545 Node: 73633	12.500 56.063 1.700	UGT-Set B/128	40.81 297.99	145.75	-216.30 111.10	-359.51 -734.66	-435.61
E12	Element: 1544 Node: 679	12.500 55.000 0.000	UGT-Set B/129	11.33 -523.94	-151.32	-273.57 583.92	-3859.43 -10090.93	-3593.65
E12	Element: 1548 Node: 73634	12.500 55.000 1.700	UGT-Set B/116	11.20 -316.95	140.24	274.05 110.48	-3869.32 -6458.64	-3605.67
E12	Element: 1544 Node: 679	12.500 55.000 0.000	UGT-Set B/130	-5.85 504.81	139.44	245.21 -601.45	-3828.69 -10007.83	-3563.74
E12	Element: 1544 Node: 679	12.500 55.000 0.000	UGT-Set B/131	8.75 -517.03	-145.13	-260.32 594.03	-507.62 -1299.50	-474.13
E12	Element: 1551 Node: 681	12.500 61.500 3.400	UGT-Set B/132	1.16 -3.31	8.30	-0.56 3.73	1314.28 -9655.67	2072.79
E12	Element: 1547 Node: 680	12.500 61.500 0.000	UGT-Set B/132	3.29 -1.98	18.49	14.71 -9.61	-4082.55 -14696.27	3655.45
E12	Element: 1549 Node: 73642	12.500 58.250 3.400	UGT-Set B/133	-3.87 -4.12	-11.01	11.69 8.54	661.49 551.90	257.94
E12	Element: 1544 Node: 679	12.500 55.000 0.000	UGT-Set B/133	4.50 6.51	-15.47	-20.29 -32.15	-4070.91 -10478.07	-3743.50
E13	Element: 1557 Node: 73651	50.500 47.750 3.400	UGT-Set B/134	11.67 5.49	1.01	-4.24 -11.28	616.99 502.42	-397.16
E13	Element: 1554 Node: 73648	50.500 49.375 0.000	UGT-Set B/135	1.09 -26.08	7.02	-5.04 -31.18	-131.00 -1580.89	-190.81
E13	Element: 1556 Node: 73645	50.500 44.500 1.700	UGT-Set B/136	-9.27 5.31	-15.90	3.00 -1.75	-3816.10 -6356.56	-3549.58
E13	Element: 1553 Node: 73644	50.500 45.563 1.700	UGT-Set B/137	7.74 20.26	15.89	-12.69 15.07	-2719.62 -6375.28	-3554.00
E13	Element: 1555 Node: 686	50.500 51.000 0.000	UGT-Set B/134	-10.98 -14.89	1.76	-25.59 40.53	-3813.71 -14015.61	3442.74
E13	Element: 1559 Node: 73650	50.500 51.000 1.700	UGT-Set B/138	5.47 21.70	-13.24	25.59 -4.49	-3825.80 -6319.03	3454.26
E13	Element: 1552 Node: 685	50.500 44.500 0.000	UGT-Set B/138	7.19 42.74	15.86	-2.94 -46.84	-3826.96 -10001.56	-3562.50
E13	Element: 1555 Node: 73648	50.500 49.375 0.000	UGT-Set B/139	-0.79 -15.01	1.82	-13.63 40.63	-801.18 -14015.12	3445.85
E13	Element: 1552 Node: 685	50.500 44.500 0.000	UGT-Set B/140	-1.04 15.80	6.93	8.37 -17.33	-21466.00 -11097.09	-10043.47
E13	Element: 1555 Node: 686	50.500 51.000 0.000	UGT-Set B/141	-0.24 1.01	-0.48	-1.21 0.89	13654.69 -4043.82	-4322.87
E13	Element: 1554 Node: 73648	50.500 49.375 0.000	UGT-Set B/142	-2.08 12.17	-5.73	-9.45 8.63	4791.60 -16482.22	1582.83
E13	Element: 1557 Node: 73651	50.500 47.750 3.400	UGT-Set B/143	4.69 5.12	1.42	-4.25 -7.50	-124.90 2272.21	-396.51

Name	Mesh	Position [m]	Case	m_x [kNm/m] m_y [kNm/m]	m_{xy} [kNm/m]	v_x [kN/m] v_y [kN/m]	n_x [kN/m] n_y [kN/m]	n_{xy} [kN/m]
E13	Element: 1553 Node: 73644	50.500 45.563 1.700	UGT-Set B/144	4.94 12.77	6.96	-5.93 8.39	-18210.86 -3831.19	-10046.01
E13	Element: 1557 Node: 73644	50.500 45.563 1.700	UGT-Set B/140	4.94 12.82	-6.95	-5.95 8.42	-18209.81 -3837.94	9749.82
E14	Element: 1563 Node: 692	50.500 61.500 0.000	UGT-Set B/145	-10.98 -14.88	1.76	-25.59 40.53	-3814.93 -14021.57	3443.69
E14	Element: 1565 Node: 73666	50.500 58.250 3.400	UGT-Set B/146	11.67 5.50	1.01	-4.24 -11.29	616.98 502.15	-396.63
E14	Element: 1562 Node: 73662	50.500 59.875 0.000	UGT-Set B/147	1.09 -26.07	7.02	-5.05 -31.17	-130.90 -1592.03	-196.92
E14	Element: 1564 Node: 73656	50.500 55.000 1.700	UGT-Set B/148	-9.27 5.31	-15.90	3.00 -1.75	-3815.78 -6353.94	-3548.86
E14	Element: 1561 Node: 73655	50.500 56.063 1.700	UGT-Set B/149	7.74 20.25	15.89	-12.69 15.07	-2719.58 -6372.51	-3554.28
E14	Element: 1563 Node: 692	50.500 61.500 0.000	UGT-Set B/146	-10.98 -14.88	1.76	-25.59 40.53	-3814.92 -14021.49	3443.66
E14	Element: 1567 Node: 73664	50.500 61.500 1.700	UGT-Set B/150	5.47 21.70	-13.24	25.59 -4.49	-3825.20 -6319.70	3453.85
E14	Element: 1560 Node: 691	50.500 55.000 0.000	UGT-Set B/151	7.19 42.75	15.86	-2.94 -46.83	-3826.76 -9999.24	-3561.89
E14	Element: 1563 Node: 73662	50.500 59.875 0.000	UGT-Set B/139	-0.79 -15.01	1.81	-13.63 40.63	-801.41 -14024.39	3447.27
E14	Element: 1560 Node: 691	50.500 55.000 0.000	UGT-Set B/152	-1.00 15.58	6.83	8.21 -17.11	-21465.87 -11094.07	-10136.06
E14	Element: 1560 Node: 691	50.500 55.000 0.000	UGT-Set B/153	-0.11 1.56	0.68	0.87 -1.71	13655.11 -275.54	4836.85
E14	Element: 1562 Node: 73662	50.500 59.875 0.000	UGT-Set B/154	-2.07 12.35	-5.78	-9.52 8.78	4791.94 -16486.78	1686.50
E14	Element: 1565 Node: 73666	50.500 58.250 3.400	UGT-Set B/155	4.74 5.25	1.41	-4.26 -7.65	-124.20 2271.90	312.56
E14	Element: 1561 Node: 73655	50.500 56.063 1.700	UGT-Set B/156	4.91 12.46	6.82	-5.73 8.28	-18211.54 -3827.68	-10139.96
E14	Element: 1565 Node: 73655	50.500 56.063 1.700	UGT-Set B/157	4.93 12.61	-6.82	-5.81 8.34	-18210.47 -3835.00	9842.90
E15	Element: 1688 Node: 755	54.520 53.000 -0.500	UGT-Set B/158	-279.16 195.83	29.10	-1223.64 2.10	-9.07 -2.78	-0.26
E15	Element: 1804 Node: 73674	49.750 46.357 -0.500	UGT-Set B/159	3645.02 712.59	-39.94	1875.67 -40.61	-1.85 0.34	-19.23
E15	Element: 1788 Node: 784	50.500 53.270 -0.500	UGT-Set B/160	200.79 -2645.02	16.08	46.69 920.01	-1.50 3.74	0.29
E15	Element: 1804 Node: 73674	49.750 46.357 -0.500	UGT-Set B/161	3631.22 739.20	-92.05	1719.36 -3.22	-1.75 0.34	-18.42
E15	Element: 1690 Node: 756	54.250 53.270	UGT-Set B/162	60.42 -1143.52	-408.22	32.80 296.32	-5.05 -0.42	-1.73

Name	Mesh	Position [m]	Case	m_x [kNm/m]	m_{xy} [kNm/m]	v_x [kN/m]	n_x [kN/m]	n_{xy} [kN/m]
				m_y [kNm/m]		v_y [kN/m]	n_y [kN/m]	
		-0.500						
E15	Element: 1686 Node: 754	54.250 52.730 -0.500	UGT-Set B/163	208.79 -1283.98	404.08	-49.90 -300.07	-4.82 2.58	2.13
E15	Element: 1814 Node: 73681	51.250 48.214 -0.500	UGT-Set B/161	3330.17 240.69	-14.54	-2089.87 -245.91	-4.24 -2.49	10.33
E15	Element: 1798 Node: 73667	49.750 50.071 -0.500	UGT-Set B/164	3194.72 -140.13	180.51	2065.06 -454.31	-4.00 -1.41	10.77
E15	Element: 1797 Node: 794	48.625 51.530 -0.500	UGT-Set B/161	922.94 -2286.35	157.82	759.79 -1841.23	-2.86 15.84	-11.19
E15	Element: 1696 Node: 73838	53.274 54.916 -0.500	UGT-Set B/165	495.88 -1616.24	70.04	-643.40 1931.30	-6.20 -9.77	10.70
E15	Element: 1663 Node: 73715	51.917 44.000 -0.500	UGT-Set B/166	1831.20 -14.84	-14.55	-120.08 655.72	-35.01 -0.11	-1.03
E15	Element: 1713 Node: 73744	51.917 62.000 -0.500	UGT-Set B/167	298.15 1.52	1.22	-16.10 -103.09	27.20 0.24	-1.33
E15	Element: 1794 Node: 73696	50.500 55.000 -0.500	UGT-Set B/168	32.89 -24.35	16.26	5.93 20.58	-1.58 -22.50	11.49
E15	Element: 1794 Node: 73696	50.500 55.000 -0.500	UGT-Set B/169	32.46 -2379.86	-18.74	27.41 -1739.01	0.64 24.53	11.41
E15	Element: 1814 Node: 73793	52.057 47.963 -0.500	UGT-Set B/170	1943.82 427.27	44.58	-1406.54 -338.85	-1.14 -1.22	-19.71
E15	Element: 1804 Node: 73674	49.750 46.357 -0.500	UGT-Set B/169	3393.96 692.42	-89.55	1581.44 3.16	-5.78 -2.12	21.04
E16	Element: 2032 Node: 895	16.520 53.000 -0.500	UGT-Set B/171	-280.91 196.65	26.98	-1232.25 3.24	-0.60 -0.36	0.04
E16	Element: 2066 Node: 73891	11.750 60.571 -0.500	UGT-Set B/172	3480.13 135.27	106.43	1706.59 -351.95	-30.85 -2.18	-2.91
E16	Element: 1926 Node: 928	12.500 53.270 -0.500	UGT-Set B/160	287.87 -2591.07	0.00	0.00 1132.52	-0.36 4.32	1.18
E16	Element: 1941 Node: 909	12.230 47.750 -0.500	UGT-Set B/160	83.56 308.25	17.08	-105.58 -148.09	-0.54 -0.14	-0.81
E16	Element: 2030 Node: 74008	15.679 52.235 -0.500	UGT-Set B/173	145.82 -1176.09	-429.84	-442.05 -655.71	-2.00 -1.23	-0.42
E16	Element: 2030 Node: 894	16.250 52.730 -0.500	UGT-Set B/174	209.55 -1297.05	411.37	-56.39 -310.68	-0.57 1.05	-0.78
E16	Element: 2159 Node: 73882	13.250 48.214 -0.500	UGT-Set B/165	3244.40 265.78	-10.87	-2066.73 -253.78	-4.52 -2.24	11.40
E16	Element: 2167 Node: 73894	11.750 58.714 -0.500	UGT-Set B/132	3471.59 242.90	-19.81	2004.29 196.04	-1.28 0.73	10.46
E16	Element: 1980 Node: 936	13.250 55.000 -0.500	UGT-Set B/132	767.83 -1512.32	-305.79	827.00 -1741.98	-2.23 8.37	11.46
E16	Element: 2040 Node: 74033	15.272 54.918 -0.500	UGT-Set B/165	486.39 -1583.58	94.18	-617.20 1822.98	-3.17 -7.47	12.80
E16	Element: 2007	13.917	UGT-Set B/132	1847.59	-14.63	-122.41	-33.36	-1.41

Name	Mesh	Position [m]	Case	m_x [kNm/m] m_y [kNm/m]	m_{xy} [kNm/m]	v_x [kN/m] v_y [kN/m]	n_x [kN/m] n_y [kN/m]	n_{xy} [kN/m]
	Node: 73917	44.000 -0.500		-15.01		661.97	-0.08	
E16	Element: 2057 Node: 73946	13.917 62.000 -0.500	UGT-Set B/175	319.91 2.27	0.68	-12.34 -109.06	28.11 -6.53	-2.95
E16	Element: 2034 Node: 73933	16.750 54.000 -0.500	UGT-Set B/176	-7.31 -302.53	2.18	23.80 42.85	1.29 -32.03	0.62
E16	Element: 2034 Node: 73933	16.750 54.000 -0.500	UGT-Set B/177	-64.89 -2090.08	6.98	170.16 196.87	-1.21 35.03	0.29
E16	Element: 2057 Node: 74058	14.063 60.828 -0.500	UGT-Set B/178	325.78 47.51	-7.65	-221.22 -0.78	6.17 -2.10	-16.79
E16	Element: 2057 Node: 74058	14.063 60.828 -0.500	UGT-Set B/179	1865.11 278.33	-63.11	-1307.97 -72.08	-9.56 -3.45	15.78
E41	Element: 73778 Node: 1096	8.250 5.250 -0.500	UGT-Set B/68	-48.78 -20.70	-22.21	-101.87 -103.30	-0.56 -4.22	-0.35
E41	Element: 73778 Node: 1096	8.250 5.250 -0.500	UGT-Set B/67	52.29 -97.39	-62.26	101.39 85.85	1.05 7.90	0.66
E41	Element: 73778 Node: 1093	8.250 4.250 -0.500	UGT-Set B/67	-7.52 -184.84	107.28	-111.38 85.85	1.05 7.90	-0.66
E41	Element: 73778 Node: 1093	8.250 4.250 -0.500	UGT-Set B/68	40.67 40.79	-37.15	95.80 -103.30	-0.56 -4.22	0.35
E41	Element: 73778 Node: 1096	8.250 5.250 -0.500	UGT-Set B/180	0.56 -115.53	-82.76	-2.98 -24.88	0.15 1.15	0.10
E41	Element: 73778 Node: 1094	8.000 4.250 -0.500	UGT-Set B/181	-43.76 -144.01	96.28	-112.62 169.74	-2.79 -6.98	-1.75
E41	Element: 73778 Node: 1095	8.000 5.250 -0.500	UGT-Set B/182	9.30 -30.09	-60.95	104.10 168.51	-2.87 -7.17	1.79
E41	Element: 73778 Node: 1095	8.000 5.250 -0.500	UGT-Set B/183	-41.84 -25.49	-4.87	-101.89 -146.05	0.57 1.42	-0.36
E41	Element: 73778 Node: 1095	8.000 5.250 -0.500	UGT-Set B/184	5.76 -43.10	-72.12	101.41 169.88	-1.06 -2.65	0.66
E41	Element: 73778 Node: 1093	8.250 4.250 -0.500	UGT-Set B/185	43.29 28.57	-30.02	95.98 -108.42	-2.40 -18.01	1.50
E41	Element: 73778 Node: 1094	8.000 4.250 -0.500	UGT-Set B/186	-43.48 -143.02	95.05	-111.56 169.52	-2.89 -7.22	-1.81
E41	Element: 73778 Node: 1096	8.250 5.250 -0.500	UGT-Set B/186	51.60 -83.03	-54.14	103.45 90.96	2.89 21.66	1.81
E42	Element: 73779 Node: 1099	8.000 11.000 -0.500	UGT-Set B/187	-299.91 -1363.72	-964.93	-391.98 -546.67	-1.62 -4.05	1.01
E42	Element: 73779 Node: 1100	8.250 11.000 -0.500	UGT-Set B/4	-31.88 885.57	457.21	247.89 408.31	-0.67 -5.00	-0.42
E42	Element: 73779 Node: 1100	8.250 11.000 -0.500	UGT-Set B/187	124.51 -1809.92	-982.76	-391.98 -454.61	1.62 12.14	1.01
E42	Element: 73779 Node: 1098	8.000 10.000 -0.500	UGT-Set B/187	-146.30 -936.85	854.84	381.99 -546.67	-1.62 -4.05	-1.01

Name	Mesh	Position [m]	Case	m_x	m_{xy}	v_x	n_x	n_{xy}
				[kNm/m] m_y [kNm/m]	[kNm/m]	[kN/m] v_y [kN/m]	[kN/m] n_y [kN/m]	[kN/m]
E42	Element: 73779 Node: 1097	8.250 10.000 -0.500	UGT-Set B/188	335.55 -1395.55	829.26	384.79 -458.27	1.61 12.11	-1.01
E42	Element: 73779 Node: 1099	8.000 11.000 -0.500	UGT-Set B/188	-299.82 -1363.05	-963.21	-392.90 -548.56	-1.61 -4.04	1.01
E42	Element: 73779 Node: 1097	8.250 10.000 -0.500	UGT-Set B/189	-172.96 523.09	-338.95	-254.15 412.99	-0.63 -4.72	0.39
E42	Element: 73779 Node: 1097	8.250 10.000 -0.500	UGT-Set B/190	-53.27 248.20	-157.79	-33.11 155.35	-6.37 -47.75	3.98
E42	Element: 73779 Node: 1098	8.000 10.000 -0.500	UGT-Set B/181	-131.85 -753.74	638.18	161.15 -231.45	-7.31 -18.29	-4.57
E42	Element: 73779 Node: 1100	8.250 11.000 -0.500	UGT-Set B/181	120.22 -1267.18	-693.52	-171.13 -201.66	7.31 54.86	4.57
E43	Element: 73780 Node: 1102	8.000 14.750 -0.500	UGT-Set B/191	-68.23 -174.62	123.72	-171.97 230.28	-1.87 -4.68	-1.17
E43	Element: 73780 Node: 1104	8.250 15.750 -0.500	UGT-Set B/191	86.79 -68.55	-56.07	161.99 207.35	1.87 14.03	1.17
E43	Element: 73780 Node: 1101	8.250 14.750 -0.500	UGT-Set B/192	-30.43 -225.99	135.60	-171.84 207.13	1.88 14.13	-1.18
E43	Element: 73780 Node: 1101	8.250 14.750 -0.500	UGT-Set B/193	14.53 174.01	-97.16	74.99 -97.44	-0.50 -3.73	0.31
E43	Element: 73780 Node: 1102	8.000 14.750 -0.500	UGT-Set B/194	-63.62 -147.18	99.83	-180.47 250.55	-2.46 -6.16	-1.54
E43	Element: 73780 Node: 1103	8.000 15.750 -0.500	UGT-Set B/195	37.16 15.61	-48.93	171.14 250.16	-2.22 -5.56	1.39
E43	Element: 73780 Node: 1102	8.000 14.750 -0.500	UGT-Set B/196	44.27 107.31	-62.45	83.62 -127.75	1.08 2.69	0.67
E43	Element: 73780 Node: 1101	8.250 14.750 -0.500	UGT-Set B/190	-12.27 116.15	-62.53	17.60 -8.30	-6.27 -47.00	3.92
E43	Element: 73780 Node: 1102	8.000 14.750 -0.500	UGT-Set B/181	-36.51 -131.19	99.61	-114.45 159.91	-7.65 -19.13	-4.78
E43	Element: 73780 Node: 1104	8.250 15.750 -0.500	UGT-Set B/181	54.18 -56.63	-57.99	104.46 118.00	7.65 57.39	4.78
E44	Element: 73781 Node: 1105	8.250 20.500 -0.500	UGT-Set B/197	-271.31 583.17	-399.79	-491.03 663.65	-1.91 -14.30	1.19
E44	Element: 73781 Node: 1105	8.250 20.500 -0.500	UGT-Set B/11	309.20 -1003.15	619.95	462.96 -534.06	2.84 21.34	-1.78
E44	Element: 73781 Node: 1108	8.250 21.500 -0.500	UGT-Set B/198	6.27 1141.36	593.65	481.70 659.43	-2.06 -15.48	-1.29
E44	Element: 73781 Node: 1108	8.250 21.500 -0.500	UGT-Set B/5	57.30 -1491.22	-803.41	-469.69 -529.84	3.00 22.52	1.88
E44	Element: 73781 Node: 1106	8.000 20.500 -0.500	UGT-Set B/199	-82.14 -638.85	651.39	454.00 -663.66	5.14 12.86	3.21
E44	Element: 73781 Node: 1106	8.000 20.500	UGT-Set B/200	16.09 334.16	-421.43	-494.29 642.75	1.87 4.67	1.17

Name	Mesh	Position [m]	Case	m_x [kNm/m]	m_{xy} [kNm/m]	v_x [kN/m]	n_x [kN/m]	n_{xy} [kN/m]
				m_y [kNm/m]		v_y [kN/m]	n_y [kN/m]	
		-0.500						
E44	Element: 73781 Node: 1107	8.000 21.500 -0.500	UGT-Set B/200	215.71 868.49	560.77	484.30 642.75	1.87 4.67	-1.17
E44	Element: 73781 Node: 1107	8.000 21.500 -0.500	UGT-Set B/201	-263.68 -1138.80	-772.63	-472.27 -667.65	-2.82 -7.04	1.76
E44	Element: 73781 Node: 1105	8.250 20.500 -0.500	UGT-Set B/202	-269.67 562.45	-388.76	-494.21 671.70	-1.83 -13.75	1.15
E44	Element: 73781 Node: 1105	8.250 20.500 -0.500	UGT-Set B/203	-267.64 572.64	-393.12	-485.82 653.00	-8.46 -63.47	5.29
E44	Element: 73781 Node: 1106	8.000 20.500 -0.500	UGT-Set B/204	-79.09 -624.72	641.44	457.74 -663.77	-9.40 -23.51	-5.88
E44	Element: 73781 Node: 1108	8.250 21.500 -0.500	UGT-Set B/204	55.73 -1473.33	-793.81	-467.72 -523.39	9.40 70.52	5.88
E45	Element: 73782 Node: 1111	8.000 26.250 -0.500	UGT-Set B/205	-68.52 -184.35	-131.88	-169.22 -225.26	-1.77 -4.44	1.11
E45	Element: 73782 Node: 1109	8.250 25.250 -0.500	UGT-Set B/205	87.71 -83.09	65.62	159.23 -206.37	1.77 13.31	-1.11
E45	Element: 73782 Node: 1112	8.250 26.250 -0.500	UGT-Set B/206	14.76 170.61	93.40	75.45 99.51	-0.40 -3.03	-0.25
E45	Element: 73782 Node: 1112	8.250 26.250 -0.500	UGT-Set B/205	-26.74 -240.26	-143.07	-169.22 -206.37	1.77 13.31	1.11
E45	Element: 73782 Node: 1110	8.000 25.250 -0.500	UGT-Set B/207	-0.62 -57.93	104.73	101.09 -146.39	-2.80 -7.00	-1.75
E45	Element: 73782 Node: 1110	8.000 25.250 -0.500	UGT-Set B/208	34.66 9.21	55.47	171.61 -249.57	-1.82 -4.54	-1.14
E45	Element: 73782 Node: 1111	8.000 26.250 -0.500	UGT-Set B/209	-64.09 -156.43	-106.55	-180.96 -249.98	-2.21 -5.53	1.38
E45	Element: 73782 Node: 1111	8.000 26.250 -0.500	UGT-Set B/210	42.69 104.94	57.68	87.19 131.94	0.84 2.10	-0.53
E45	Element: 73782 Node: 1111	8.000 26.250 -0.500	UGT-Set B/204	-38.57 -140.07	-106.25	-117.23 -162.56	-7.58 -18.96	4.74
E45	Element: 73782 Node: 1109	8.250 25.250 -0.500	UGT-Set B/203	-19.00 86.94	-49.61	-29.54 16.99	-6.21 -46.58	3.88
E45	Element: 73782 Node: 1109	8.250 25.250 -0.500	UGT-Set B/204	56.98 -65.28	63.71	107.25 -123.84	7.58 56.88	-4.74
E46	Element: 73783 Node: 1115	8.000 32.000 -0.500	UGT-Set B/211	-341.60 -1412.71	-940.79	-704.13 -1045.54	-2.58 -6.45	1.61
E46	Element: 73783 Node: 1116	8.250 32.000 -0.500	UGT-Set B/212	15.21 705.37	375.91	353.41 396.07	-1.98 -14.85	-1.24
E46	Element: 73783 Node: 1116	8.250 32.000 -0.500	UGT-Set B/211	30.71 -1788.43	-969.63	-704.13 -705.49	2.58 19.35	1.61
E46	Element: 73783 Node: 1114	8.000 31.000 -0.500	UGT-Set B/211	-58.08 -647.53	741.83	694.15 -1045.54	-2.58 -6.45	-1.61
E46	Element: 73783	8.250	UGT-Set B/213	403.70	691.88	696.13	2.40	-1.50

Name	Mesh	Position [m]	Case	m_x [kNm/m] m_y [kNm/m]	m_{xy} [kNm/m]	v_x [kN/m] v_y [kN/m]	n_x [kN/m] n_y [kN/m]	n_{xy} [kN/m]
	Node: 1113	31.000 -0.500		-1105.03		-708.14	17.99	
E46	Element: 73783 Node: 1115	8.000 32.000 -0.500	UGT-Set B/213	-341.33 -1411.44	-938.94	-704.24 -1046.30	-2.40 -6.00	1.50
E46	Element: 73783 Node: 1114	8.000 31.000 -0.500	UGT-Set B/214	-2.95 174.77	-257.14	-361.47 515.63	1.80 4.50	1.12
E46	Element: 73783 Node: 1113	8.250 31.000 -0.500	UGT-Set B/215	-159.43 271.92	-189.08	-328.35 356.52	-5.31 -39.84	3.32
E46	Element: 73783 Node: 1114	8.000 31.000 -0.500	UGT-Set B/216	-51.93 -601.53	695.16	662.99 -1003.01	-5.92 -14.79	-3.70
E46	Element: 73783 Node: 1116	8.250 32.000 -0.500	UGT-Set B/216	25.98 -1682.29	-912.60	-672.97 -665.91	5.92 44.38	3.70
E47	Element: 73784 Node: 1117	8.250 35.750 -0.500	UGT-Set B/198	-48.48 -18.19	20.59	-100.26 100.40	-0.63 -4.70	0.39
E47	Element: 73784 Node: 1117	8.250 35.750 -0.500	UGT-Set B/5	49.85 -88.23	56.98	96.42 -83.44	1.44 10.78	-0.90
E47	Element: 73784 Node: 1120	8.250 36.750 -0.500	UGT-Set B/198	39.53 41.53	37.94	94.18 100.40	-0.63 -4.70	-0.39
E47	Element: 73784 Node: 1120	8.250 36.750 -0.500	UGT-Set B/5	-8.08 -171.63	-100.32	-106.40 -83.44	1.44 10.78	0.90
E47	Element: 73784 Node: 1117	8.250 35.750 -0.500	UGT-Set B/217	-1.54 -104.92	76.34	-6.36 24.87	0.55 4.15	-0.35
E47	Element: 73784 Node: 1118	8.000 35.750 -0.500	UGT-Set B/218	9.88 -25.46	56.32	99.79 -160.89	-2.64 -6.60	-1.65
E47	Element: 73784 Node: 1119	8.000 36.750 -0.500	UGT-Set B/203	42.50 30.38	18.84	95.85 144.81	2.30 5.74	-1.43
E47	Element: 73784 Node: 1119	8.000 36.750 -0.500	UGT-Set B/204	-41.49 -133.97	-90.10	-108.07 -161.67	-3.11 -7.78	1.94
E47	Element: 73784 Node: 1120	8.250 36.750 -0.500	UGT-Set B/203	41.82 32.26	32.62	95.85 105.93	-2.30 -17.22	-1.43
E47	Element: 73784 Node: 1117	8.250 35.750 -0.500	UGT-Set B/204	49.40 -75.98	50.65	98.08 -88.96	3.11 23.33	-1.94
E48	Element: 73785 Node: 1124	8.250 48.250 -0.500	UGT-Set B/219	-119.47 -69.39	-62.28	-245.22 -282.30	0.55 4.10	0.34
E48	Element: 73785 Node: 1122	8.000 47.250 -0.500	UGT-Set B/220	106.30 82.69	-50.99	235.28 -337.75	-0.53 -1.33	-0.33
E48	Element: 73785 Node: 1121	8.250 47.250 -0.500	UGT-Set B/221	14.95 -211.57	118.82	-166.07 165.21	0.24 1.45	-0.15
E48	Element: 73785 Node: 1121	8.250 47.250 -0.500	UGT-Set B/222	23.16 93.71	-77.18	233.45 -285.42	0.53 3.25	-0.33
E48	Element: 73785 Node: 1124	8.250 48.250 -0.500	UGT-Set B/165	-35.08 -128.10	-111.22	-62.99 -99.58	0.36 2.71	0.23
E48	Element: 73785 Node: 1122	8.000 47.250 -0.500	UGT-Set B/223	-61.87 -176.41	124.13	-163.38 240.53	-0.24 -0.61	-0.15

Name	Mesh	Position [m]	Case	m_x	m_{xy}	v_x	n_x	n_{xy}
				[kNm/m] m_y [kNm/m]	[kNm/m]	[kN/m] v_y [kN/m]	[kN/m] n_y [kN/m]	[kN/m]
E48	Element: 73785 Node: 1122	8.000 47.250 -0.500	UGT-Set B/219	106.01 80.42	-47.70	237.11 -341.17	-0.55 -1.37	-0.34
E48	Element: 73785 Node: 1123	8.000 48.250 -0.500	UGT-Set B/224	-105.15 -71.56	-22.26	-246.39 -341.46	-0.92 -2.31	0.58
E48	Element: 73785 Node: 1123	8.000 48.250 -0.500	UGT-Set B/225	24.44 -15.66	-73.16	159.36 245.49	0.16 0.39	-0.10
E48	Element: 73785 Node: 1124	8.250 48.250 -0.500	UGT-Set B/226	-0.56 -24.14	-13.72	-13.21 -15.11	-1.62 -12.17	-1.01
E48	Element: 73785 Node: 1122	8.000 47.250 -0.500	UGT-Set B/227	44.67 -87.05	62.58	63.83 -83.19	-2.39 -5.97	-1.49
E48	Element: 73785 Node: 1124	8.250 48.250 -0.500	UGT-Set B/227	-40.47 -118.68	-104.78	-73.82 -108.93	2.39 17.90	1.49
E49	Element: 73786 Node: 1127	8.000 54.000 -0.500	UGT-Set B/132	-213.98 -1278.70	-793.72	-407.85 -504.52	-1.31 3.27	0.82
E49	Element: 73786 Node: 1125	8.250 53.000 -0.500	UGT-Set B/132	314.29 -1085.90	651.17	400.78 -395.01	1.31 9.81	-0.82
E49	Element: 73786 Node: 1126	8.000 53.000 -0.500	UGT-Set B/42	-12.63 -81.70	78.15	38.21 -63.22	-3.83 -9.59	-2.40
E49	Element: 73786 Node: 1128	8.250 54.000 -0.500	UGT-Set B/160	150.21 -1282.91	-796.98	-392.96 -481.86	0.43 1.07	0.27
E49	Element: 73786 Node: 1126	8.000 53.000 -0.500	UGT-Set B/160	-85.68 -704.93	698.32	385.17 -598.96	-0.43 -1.07	-0.27
E49	Element: 73786 Node: 1127	8.000 54.000 -0.500	UGT-Set B/228	-145.60 -863.10	-491.24	-536.63 -670.03	-1.02 2.56	0.64
E49	Element: 73786 Node: 1126	8.000 53.000 -0.500	UGT-Set B/228	24.95 -210.23	354.24	530.88 -799.69	-1.02 -2.56	-0.64
E49	Element: 73786 Node: 1125	8.250 53.000 -0.500	UGT-Set B/229	66.85 -768.82	419.09	-112.16 145.33	-0.55 -4.12	0.34
E49	Element: 73786 Node: 1127	8.000 54.000 -0.500	UGT-Set B/230	-207.61 -1245.57	-773.16	-384.22 -471.18	-4.24 10.61	2.65
E49	Element: 73786 Node: 1125	8.250 53.000 -0.500	UGT-Set B/48	34.56 -151.63	88.57	40.25 -31.31	-3.77 -28.24	2.35
E49	Element: 73786 Node: 1125	8.250 53.000 -0.500	UGT-Set B/230	300.68 -1070.45	639.42	378.47 -363.72	4.24 31.82	-2.65
E49	Element: 73786 Node: 1126	8.000 53.000 -0.500	UGT-Set B/230	-81.67 -681.25	676.57	378.47 -583.19	-4.24 -10.61	-2.65
E50	Element: 73787 Node: 1129	8.250 57.750 -0.500	UGT-Set B/231	-121.34 -65.34	59.13	-248.63 283.36	0.57 4.31	-0.36
E50	Element: 73787 Node: 1131	8.000 58.750 -0.500	UGT-Set B/232	107.43 87.36	55.21	238.32 343.40	-0.56 -1.41	0.35
E50	Element: 73787 Node: 1132	8.250 58.750 -0.500	UGT-Set B/224	16.04 -191.73	-111.58	-162.89 -178.71	-0.35 -1.48	-0.22
E50	Element: 73787 Node: 1132	8.250 58.750	UGT-Set B/225	16.91 96.75	75.99	235.99 299.31	0.56 2.37	0.35

Name	Mesh	Position [m]	Case	m_x [kNm/m]	m_{xy} [kNm/m]	v_x [kN/m]	n_x [kN/m]	n_{xy} [kN/m]
				m_y [kNm/m]		v_y [kN/m]	n_y [kN/m]	
		-0.500						
E50	Element: 73787 Node: 1131	8.000 58.750 -0.500	UGT-Set B/224	-60.89 -165.59	-118.18	-160.14 -234.49	0.35 0.88	-0.22
E50	Element: 73787 Node: 1129	8.250 57.750 -0.500	UGT-Set B/132	-37.53 -117.19	103.53	-68.62 101.26	-0.17 -1.27	0.11
E50	Element: 73787 Node: 1130	8.000 57.750 -0.500	UGT-Set B/221	-105.12 -69.97	18.61	-249.81 347.77	-0.55 -1.37	-0.34
E50	Element: 73787 Node: 1131	8.000 58.750 -0.500	UGT-Set B/231	107.32 85.72	52.25	240.52 347.47	-0.57 -1.44	0.36
E50	Element: 73787 Node: 1130	8.000 57.750 -0.500	UGT-Set B/222	26.22 -11.44	68.67	155.96 -239.37	0.34 0.84	0.21
E50	Element: 73787 Node: 1131	8.000 58.750 -0.500	UGT-Set B/117	102.63 70.38	42.85	226.90 326.21	-1.92 -4.81	1.20
E50	Element: 73787 Node: 1129	8.250 57.750 -0.500	UGT-Set B/118	71.54 -59.67	46.96	141.17 -144.96	-1.71 -12.83	1.07
E50	Element: 73787 Node: 1129	8.250 57.750 -0.500	UGT-Set B/117	-115.50 -71.28	63.47	-235.01 271.41	1.92 14.43	-1.20

Name	Combination key
UGT-Set B/1	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG143 + 1.50*BG146
UGT-Set B/2	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG145 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/3	1.35*BG101 + 1.35*BG102 + 1.50*BG143 + 1.50*BG144 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/4	0.90*BG101 + 0.90*BG102 + 1.50*BG122 + 1.50*BG145
UGT-Set B/5	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG143 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/6	1.35*BG101 + 1.35*BG102 + 1.50*BG143 + 1.50*BG145 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/7	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG143 + 1.50*BG144 + 1.50*BG145 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/8	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG144 + 1.50*BG145 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/9	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG144 + 1.50*BG145 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/10	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG143 + 1.50*BG144 + 1.50*BG145 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/11	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG143 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149
UGT-Set B/12	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG143 + 1.50*BG146 + 1.50*BG149
UGT-Set B/13	0.90*BG101 + 0.90*BG102 + 1.50*BG121 + 1.50*BG144 + 1.50*BG145 + 1.50*BG147 + 1.50*BG151
UGT-Set B/14	0.90*BG101 + 0.90*BG102 + 1.50*BG124 + 1.50*BG144 + 1.50*BG145 + 1.50*BG147 + 1.50*BG151
UGT-Set B/15	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG143 + 1.50*BG146 + 1.50*BG149
UGT-Set B/16	0.90*BG101 + 0.90*BG102 + 1.50*BG123 + 1.50*BG147
UGT-Set B/17	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG143 + 1.50*BG144 + 1.50*BG145 + 1.50*BG146 + 1.50*BG149 + 1.50*BG151
UGT-Set B/18	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG146 +

Name	Combination key
	1.50*BG147 + 1.50*BG151
UGT-Set B/19	0.90*BG101 + 0.90*BG102 + 1.50*BG121 + 1.50*BG143 + 1.50*BG144 + 1.50*BG145 + 1.50*BG149
UGT-Set B/20	0.90*BG101 + 0.90*BG102 + 1.50*BG121 + 1.50*BG143 + 1.50*BG144 + 1.50*BG145 + 1.50*BG149 + 1.50*BG151
UGT-Set B/21	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG146 + 1.50*BG147
UGT-Set B/22	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG143 + 1.50*BG144 + 1.50*BG145 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/23	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG146 + 1.50*BG147
UGT-Set B/24	0.90*BG101 + 0.90*BG102 + 1.50*BG123 + 1.50*BG143 + 1.50*BG144 + 1.50*BG145 + 1.50*BG149 + 1.50*BG151
UGT-Set B/25	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG143 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149
UGT-Set B/26	0.90*BG101 + 0.90*BG102 + 1.50*BG111 + 1.50*BG143
UGT-Set B/27	1.20*BG101 + 1.20*BG102 + 1.50*BG111 + 1.50*BG143 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149
UGT-Set B/28	1.20*BG101 + 1.20*BG102 + 1.50*BG111 + 1.50*BG144 + 1.50*BG145 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/29	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG144 + 1.50*BG145 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/30	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG145 + 1.50*BG147 + 1.50*BG151
UGT-Set B/31	0.90*BG101 + 0.90*BG102 + 1.50*BG121 + 1.50*BG143 + 1.50*BG144 + 1.50*BG146 + 1.50*BG149
UGT-Set B/32	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG145 + 1.50*BG147
UGT-Set B/33	0.90*BG101 + 0.90*BG102 + 1.50*BG123 + 1.50*BG143 + 1.50*BG144 + 1.50*BG146 + 1.50*BG149 + 1.50*BG151
UGT-Set B/34	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG143 + 1.50*BG145 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/35	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG145 + 1.50*BG147
UGT-Set B/36	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG145 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149
UGT-Set B/37	0.90*BG101 + 0.90*BG102 + 1.50*BG111 + 1.50*BG146
UGT-Set B/38	1.20*BG101 + 1.20*BG102 + 1.50*BG111 + 1.50*BG145 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/39	1.20*BG101 + 1.20*BG102 + 1.50*BG111 + 1.50*BG143 + 1.50*BG144 + 1.50*BG145 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/40	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG145 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/41	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG143 + 1.50*BG144 + 1.50*BG145 + 1.50*BG147 + 1.50*BG149
UGT-Set B/42	0.90*BG101 + 0.90*BG102 + 1.50*BG121
UGT-Set B/43	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG144 + 1.50*BG147 + 1.50*BG151
UGT-Set B/44	0.90*BG101 + 0.90*BG102 + 1.50*BG121 + 1.50*BG143 + 1.50*BG145 + 1.50*BG146 + 1.50*BG149
UGT-Set B/45	0.90*BG101 + 0.90*BG102 + 1.50*BG111 + 1.50*BG145 + 1.50*BG146
UGT-Set B/46	1.20*BG101 + 1.20*BG102 + 1.50*BG111 + 1.50*BG143 + 1.50*BG144 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/47	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG144 + 1.50*BG145 + 1.50*BG146 + 1.50*BG147
UGT-Set B/48	0.90*BG101 + 0.90*BG102 + 1.50*BG123 + 1.50*BG151
UGT-Set B/49	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG143 + 1.50*BG144 + 1.50*BG145 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149
UGT-Set B/50	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG143 + 1.50*BG147 + 1.50*BG151
UGT-Set B/51	0.90*BG101 + 0.90*BG102 + 1.50*BG121 + 1.50*BG144 +

Name	Combination key
	1.50*BG145 + 1.50*BG146 + 1.50*BG149
UGT-Set B/52	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG143 + 1.50*BG147 + 1.50*BG151
UGT-Set B/53	0.90*BG101 + 0.90*BG102 + 1.50*BG123 + 1.50*BG144 + 1.50*BG145 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149
UGT-Set B/54	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG143 + 1.50*BG151
UGT-Set B/55	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG143 + 1.50*BG151
UGT-Set B/56	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG143 + 1.50*BG144 + 1.50*BG145 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/57	0.90*BG101 + 0.90*BG102 + 1.50*BG111 + 1.50*BG144 + 1.50*BG145 + 1.50*BG151
UGT-Set B/58	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG143 + 1.50*BG146
UGT-Set B/59	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG145 + 1.50*BG146 + 1.50*BG151
UGT-Set B/60	1.35*BG101 + 1.35*BG102 + 1.50*BG143 + 1.50*BG144 + 1.50*BG146 + 1.50*BG147 + 1.50*BG151
UGT-Set B/61	0.90*BG101 + 0.90*BG102 + 1.50*BG122 + 1.50*BG145 + 1.50*BG149
UGT-Set B/62	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG143 + 1.50*BG146 + 1.50*BG149 + 1.50*BG151
UGT-Set B/63	1.35*BG101 + 1.35*BG102 + 1.50*BG143 + 1.50*BG145 + 1.50*BG146 + 1.50*BG151
UGT-Set B/64	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG144 + 1.50*BG145 + 1.50*BG146 + 1.50*BG151
UGT-Set B/65	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG144 + 1.50*BG145 + 1.50*BG146 + 1.50*BG151
UGT-Set B/66	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG143 + 1.50*BG144 + 1.50*BG145 + 1.50*BG151
UGT-Set B/67	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG143 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/68	0.90*BG101 + 0.90*BG102 + 1.50*BG122 + 1.50*BG144 + 1.50*BG145
UGT-Set B/69	0.90*BG101 + 0.90*BG102 + 1.50*BG122 + 1.50*BG144 + 1.50*BG145 + 1.50*BG151
UGT-Set B/70	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG143 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149
UGT-Set B/71	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG143 + 1.50*BG146 + 1.50*BG149 + 1.50*BG151
UGT-Set B/72	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG143 + 1.50*BG146 + 1.50*BG147
UGT-Set B/73	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG146 + 1.50*BG149 + 1.50*BG151
UGT-Set B/74	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG146 + 1.50*BG151
UGT-Set B/75	0.90*BG101 + 0.90*BG102 + 1.50*BG123 + 1.50*BG143 + 1.50*BG144 + 1.50*BG145 + 1.50*BG147 + 1.50*BG149
UGT-Set B/76	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG146 + 1.50*BG151
UGT-Set B/77	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG143 + 1.50*BG144 + 1.50*BG145 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149
UGT-Set B/78	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG143 + 1.50*BG145 + 1.50*BG146
UGT-Set B/79	0.90*BG101 + 0.90*BG102 + 1.50*BG111 + 1.50*BG144 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/80	1.20*BG101 + 1.20*BG102 + 1.50*BG111 + 1.50*BG144 + 1.50*BG146 + 1.50*BG149 + 1.50*BG151
UGT-Set B/81	1.20*BG101 + 1.20*BG102 + 1.50*BG111 + 1.50*BG143 + 1.50*BG145 + 1.50*BG146
UGT-Set B/82	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG144 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/83	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG143 + 1.50*BG145 + 1.50*BG146 + 1.50*BG147
UGT-Set B/84	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG145 +

Name	Combination key
	1.50*BG151
UGT-Set B/85	0.90*BG101 + 0.90*BG102 + 1.50*BG123 + 1.50*BG143 + 1.50*BG144 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149
UGT-Set B/86	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG143 + 1.50*BG144 + 1.50*BG145 + 1.50*BG146
UGT-Set B/87	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG145 + 1.50*BG149 + 1.50*BG151
UGT-Set B/88	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG145 + 1.50*BG151
UGT-Set B/89	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG143 + 1.50*BG144 + 1.50*BG145 + 1.50*BG146 + 1.50*BG149
UGT-Set B/90	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG144 + 1.50*BG145
UGT-Set B/91	0.90*BG101 + 0.90*BG102 + 1.50*BG111 + 1.50*BG143 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/92	1.20*BG101 + 1.20*BG102 + 1.50*BG111 + 1.50*BG143 + 1.50*BG145 + 1.50*BG146 + 1.50*BG149
UGT-Set B/93	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG143 + 1.50*BG145 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149
UGT-Set B/94	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG144 + 1.50*BG145 + 1.50*BG151
UGT-Set B/95	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG144 + 1.50*BG151
UGT-Set B/96	0.90*BG101 + 0.90*BG102 + 1.50*BG123 + 1.50*BG143 + 1.50*BG145 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149
UGT-Set B/97	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG143 + 1.50*BG144 + 1.50*BG145 + 1.50*BG146 + 1.50*BG147
UGT-Set B/98	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG144 + 1.50*BG149 + 1.50*BG151
UGT-Set B/99	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG144 + 1.50*BG151
UGT-Set B/100	1.20*BG101 + 1.20*BG102 + 1.50*BG111 + 1.50*BG143 + 1.50*BG144 + 1.50*BG146
UGT-Set B/101	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG144 + 1.50*BG145 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/102	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG143 + 1.50*BG144 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/103	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG143 + 1.50*BG149 + 1.50*BG151
UGT-Set B/104	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG143 + 1.50*BG145 + 1.50*BG151
UGT-Set B/105	0.90*BG101 + 0.90*BG102 + 1.50*BG111 + 1.50*BG144 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149
UGT-Set B/106	1.20*BG101 + 1.20*BG102 + 1.50*BG111 + 1.50*BG143 + 1.50*BG144 + 1.50*BG146 + 1.50*BG149
UGT-Set B/107	1.20*BG101 + 1.20*BG102 + 1.50*BG111 + 1.50*BG143 + 1.50*BG145 + 1.50*BG151
UGT-Set B/108	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG143 + 1.50*BG144 + 1.50*BG147 + 1.50*BG149
UGT-Set B/109	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG143 + 1.50*BG145 + 1.50*BG146 + 1.50*BG151
UGT-Set B/110	0.90*BG101 + 0.90*BG102 + 1.50*BG123 + 1.50*BG147 + 1.50*BG150
UGT-Set B/111	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG141 + 1.50*BG142 + 1.50*BG149 + 1.50*BG151
UGT-Set B/112	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG142 + 1.50*BG147 + 1.50*BG150 + 1.50*BG151
UGT-Set B/113	0.90*BG101 + 0.90*BG102 + 1.50*BG121 + 1.50*BG141 + 1.50*BG149
UGT-Set B/114	0.90*BG101 + 0.90*BG102 + 1.50*BG121 + 1.50*BG141 + 1.50*BG149 + 1.50*BG151
UGT-Set B/115	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG142 + 1.50*BG147 + 1.50*BG150
UGT-Set B/116	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG141 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/117	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG142 + 1.50*BG147 + 1.50*BG150

Name	Combination key
UGT-Set B/118	0.90*BG101 + 0.90*BG102 + 1.50*BG123 + 1.50*BG141 + 1.50*BG149 + 1.50*BG151
UGT-Set B/119	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150
UGT-Set B/120	0.90*BG101 + 0.90*BG102 + 1.50*BG111 + 1.50*BG141 + 1.50*BG151
UGT-Set B/121	1.20*BG101 + 1.20*BG102 + 1.50*BG111 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150
UGT-Set B/122	1.20*BG101 + 1.20*BG102 + 1.50*BG111 + 1.50*BG141 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150 + 1.50*BG151
UGT-Set B/123	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG141 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150 + 1.50*BG151
UGT-Set B/124	0.90*BG101 + 0.90*BG102 + 1.50*BG123 + 1.50*BG150
UGT-Set B/125	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG141 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/126	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG141 + 1.50*BG147 + 1.50*BG150 + 1.50*BG151
UGT-Set B/127	0.90*BG101 + 0.90*BG102 + 1.50*BG121 + 1.50*BG142 + 1.50*BG149
UGT-Set B/128	0.90*BG101 + 0.90*BG102 + 1.50*BG121 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/129	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG141 + 1.50*BG147 + 1.50*BG150
UGT-Set B/130	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG141 + 1.50*BG150
UGT-Set B/131	0.90*BG101 + 0.90*BG102 + 1.50*BG123 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/132	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG141 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150 + 1.50*BG151
UGT-Set B/133	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG141 + 1.50*BG147 + 1.50*BG149
UGT-Set B/134	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG142 + 1.50*BG151
UGT-Set B/135	0.90*BG101 + 0.90*BG102 + 1.50*BG123 + 1.50*BG141 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150
UGT-Set B/136	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG141 + 1.50*BG142 + 1.50*BG149
UGT-Set B/137	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG142 + 1.50*BG149 + 1.50*BG151
UGT-Set B/138	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG142 + 1.50*BG151
UGT-Set B/139	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG141 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149
UGT-Set B/140	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG141 + 1.50*BG142 + 1.50*BG150
UGT-Set B/141	0.90*BG101 + 0.90*BG102 + 1.50*BG111 + 1.50*BG141 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150
UGT-Set B/142	1.20*BG101 + 1.20*BG102 + 1.50*BG111 + 1.50*BG142 + 1.50*BG149 + 1.50*BG151
UGT-Set B/143	1.20*BG101 + 1.20*BG102 + 1.50*BG111 + 1.50*BG141 + 1.50*BG142 + 1.50*BG150
UGT-Set B/144	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/145	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG141 + 1.50*BG151
UGT-Set B/146	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG141 + 1.50*BG150 + 1.50*BG151
UGT-Set B/147	0.90*BG101 + 0.90*BG102 + 1.50*BG123 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150
UGT-Set B/148	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG141 + 1.50*BG142 + 1.50*BG149 + 1.50*BG150
UGT-Set B/149	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG141 + 1.50*BG149 + 1.50*BG151
UGT-Set B/150	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG141 + 1.50*BG151

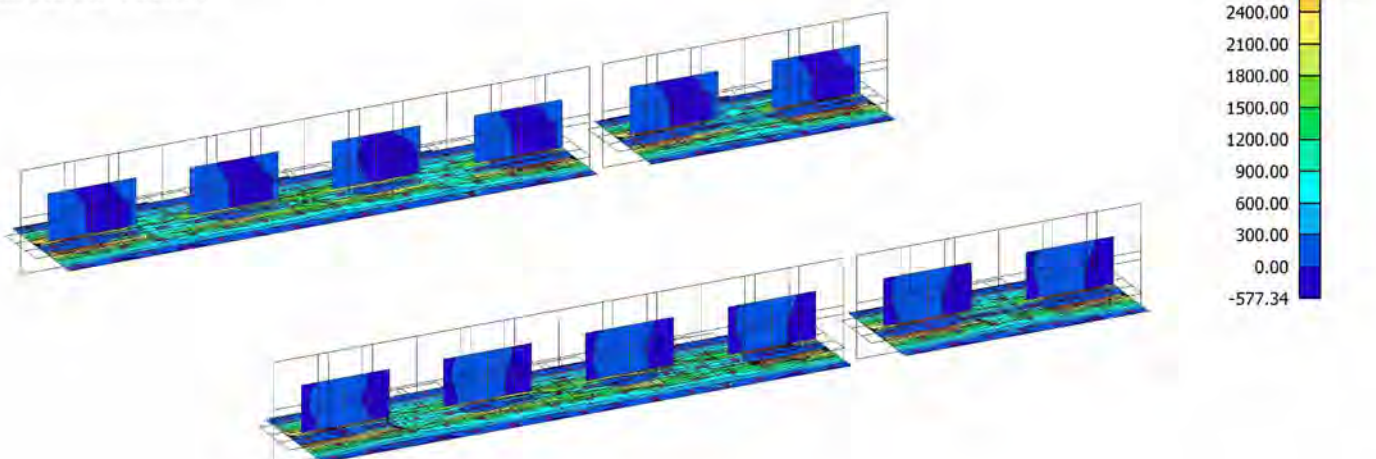
Name	Combination key
UGT-Set B/151	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG141 + 1.50*BG150 + 1.50*BG151
UGT-Set B/152	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG141 + 1.50*BG150
UGT-Set B/153	0.90*BG101 + 0.90*BG102 + 1.50*BG111 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/154	1.20*BG101 + 1.20*BG102 + 1.50*BG111 + 1.50*BG141 + 1.50*BG142 + 1.50*BG149
UGT-Set B/155	1.20*BG101 + 1.20*BG102 + 1.50*BG111 + 1.50*BG141 + 1.50*BG150 + 1.50*BG151
UGT-Set B/156	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG141 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149
UGT-Set B/157	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG141 + 1.50*BG150 + 1.50*BG151
UGT-Set B/158	1.35*BG101 + 1.35*BG102 + 1.50*BG141 + 1.50*BG142 + 1.50*BG149 + 1.50*BG150 + 1.50*BG151
UGT-Set B/159	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG142 + 1.50*BG150 + 1.50*BG151
UGT-Set B/160	1.35*BG101 + 1.35*BG102 + 1.50*BG141 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150 + 1.50*BG151
UGT-Set B/161	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG141 + 1.50*BG142 + 1.50*BG150 + 1.50*BG151
UGT-Set B/162	1.35*BG101 + 1.35*BG102 + 1.50*BG142 + 1.50*BG149 + 1.50*BG151
UGT-Set B/163	1.35*BG101 + 1.35*BG102 + 1.50*BG141 + 1.50*BG149 + 1.50*BG150 + 1.50*BG151
UGT-Set B/164	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG141 + 1.50*BG142 + 1.50*BG149 + 1.50*BG151
UGT-Set B/165	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG141 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150 + 1.50*BG151
UGT-Set B/166	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG141 + 1.50*BG142 + 1.50*BG150 + 1.50*BG151
UGT-Set B/167	0.90*BG101 + 0.90*BG102 + 1.50*BG122
UGT-Set B/168	0.90*BG101 + 0.90*BG102 + 1.50*BG124 + 1.50*BG149 + 1.50*BG151
UGT-Set B/169	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG141 + 1.50*BG142 + 1.50*BG147 + 1.50*BG150
UGT-Set B/170	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG141 + 1.50*BG142
UGT-Set B/171	1.35*BG101 + 1.35*BG102 + 1.50*BG141 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/172	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG141 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150 + 1.50*BG151
UGT-Set B/173	1.35*BG101 + 1.35*BG102 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150 + 1.50*BG151
UGT-Set B/174	1.35*BG101 + 1.35*BG102 + 1.50*BG141 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150 + 1.50*BG151
UGT-Set B/175	0.90*BG101 + 0.90*BG102 + 1.50*BG122 + 1.50*BG149 + 1.50*BG150 + 1.50*BG151
UGT-Set B/176	0.90*BG101 + 0.90*BG102 + 1.50*BG121 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150 + 1.50*BG151
UGT-Set B/177	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG141 + 1.50*BG142
UGT-Set B/178	0.90*BG101 + 0.90*BG102 + 1.50*BG122 + 1.50*BG149 + 1.50*BG151
UGT-Set B/179	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG141 + 1.50*BG142 + 1.50*BG147 + 1.50*BG150
UGT-Set B/180	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG144 + 1.50*BG145 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/181	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG143 + 1.50*BG146 + 1.50*BG147 + 1.50*BG151
UGT-Set B/182	0.90*BG101 + 0.90*BG102 + 1.50*BG121 + 1.50*BG143 + 1.50*BG146 + 1.50*BG147
UGT-Set B/183	0.90*BG101 + 0.90*BG102 + 1.50*BG122 + 1.50*BG144 + 1.50*BG145 + 1.50*BG149

Name	Combination key
UGT-Set B/184	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG143 + 1.50*BG146 + 1.50*BG147 + 1.50*BG151
UGT-Set B/185	0.90*BG101 + 0.90*BG102 + 1.50*BG123 + 1.50*BG144 + 1.50*BG145 + 1.50*BG149 + 1.50*BG151
UGT-Set B/186	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG143 + 1.50*BG146 + 1.50*BG147
UGT-Set B/187	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG143 + 1.50*BG144 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/188	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG143 + 1.50*BG144 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149
UGT-Set B/189	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG145 + 1.50*BG149 + 1.50*BG151
UGT-Set B/190	0.90*BG101 + 0.90*BG102 + 1.50*BG123 + 1.50*BG144 + 1.50*BG145 + 1.50*BG149
UGT-Set B/191	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG144 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/192	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG144 + 1.50*BG146 + 1.50*BG147 + 1.50*BG151
UGT-Set B/193	0.90*BG101 + 0.90*BG102 + 1.50*BG122 + 1.50*BG143 + 1.50*BG145 + 1.50*BG149
UGT-Set B/194	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/195	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149
UGT-Set B/196	0.90*BG101 + 0.90*BG102 + 1.50*BG122 + 1.50*BG143 + 1.50*BG144 + 1.50*BG145
UGT-Set B/197	0.90*BG101 + 0.90*BG102 + 1.50*BG124 + 1.50*BG144 + 1.50*BG145 + 1.50*BG151
UGT-Set B/198	0.90*BG101 + 0.90*BG102 + 1.50*BG124 + 1.50*BG144 + 1.50*BG145
UGT-Set B/199	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG143 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/200	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG144 + 1.50*BG145 + 1.50*BG147 + 1.50*BG151
UGT-Set B/201	0.90*BG101 + 0.90*BG102 + 1.50*BG122 + 1.50*BG143 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149
UGT-Set B/202	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG144 + 1.50*BG145 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/203	0.90*BG101 + 0.90*BG102 + 1.50*BG123 + 1.50*BG144 + 1.50*BG145
UGT-Set B/204	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG143 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/205	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG143 + 1.50*BG145 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/206	0.90*BG101 + 0.90*BG102 + 1.50*BG124 + 1.50*BG144 + 1.50*BG146
UGT-Set B/207	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG143 + 1.50*BG145 + 1.50*BG146 + 1.50*BG149 + 1.50*BG151
UGT-Set B/208	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG143 + 1.50*BG147 + 1.50*BG149
UGT-Set B/209	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG143 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/210	0.90*BG101 + 0.90*BG102 + 1.50*BG124 + 1.50*BG144 + 1.50*BG145 + 1.50*BG146
UGT-Set B/211	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG143 + 1.50*BG145 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/212	0.90*BG101 + 0.90*BG102 + 1.50*BG124 + 1.50*BG144
UGT-Set B/213	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG143 + 1.50*BG145 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149
UGT-Set B/214	0.90*BG101 + 0.90*BG102 + 1.50*BG124 + 1.50*BG144 + 1.50*BG151
UGT-Set B/215	0.90*BG101 + 0.90*BG102 + 1.50*BG123 + 1.50*BG144
UGT-Set B/216	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG143 + 1.50*BG145 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/217	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG143 +

Name	Combination key
	1.50*BG144 + 1.50*BG145 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/218	0.90*BG101 + 0.90*BG102 + 1.50*BG121 + 1.50*BG143 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149
UGT-Set B/219	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG141 + 1.50*BG147 + 1.50*BG149
UGT-Set B/220	0.90*BG101 + 0.90*BG102 + 1.50*BG122 + 1.50*BG141 + 1.50*BG147 + 1.50*BG149
UGT-Set B/221	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG142 + 1.50*BG147 + 1.50*BG150 + 1.50*BG151
UGT-Set B/222	0.90*BG101 + 0.90*BG102 + 1.50*BG122 + 1.50*BG141 + 1.50*BG149
UGT-Set B/223	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150 + 1.50*BG151
UGT-Set B/224	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG141 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/225	0.90*BG101 + 0.90*BG102 + 1.50*BG124 + 1.50*BG142 + 1.50*BG150
UGT-Set B/226	0.90*BG101 + 0.90*BG102 + 1.50*BG123
UGT-Set B/227	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG141 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150 + 1.50*BG151
UGT-Set B/228	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG141 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150
UGT-Set B/229	0.90*BG101 + 0.90*BG102 + 1.50*BG124 + 1.50*BG142 + 1.50*BG151
UGT-Set B/230	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG141 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150
UGT-Set B/231	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG142 + 1.50*BG147 + 1.50*BG150
UGT-Set B/232	0.90*BG101 + 0.90*BG102 + 1.50*BG124 + 1.50*BG142 + 1.50*BG147 + 1.50*BG150

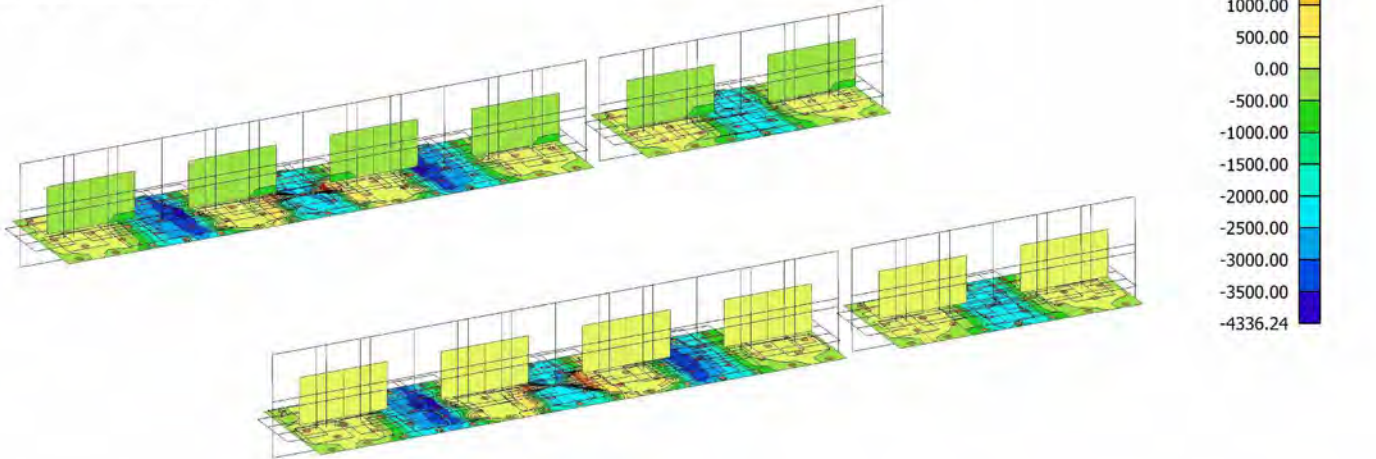
2.2.6.2. Resultaten - m_x

Values: m_x
 Linear calculation
 Class: Alle UGT
 Extreme: Member
 Selection: Named selection - Check
 Location: In nodes avg. on macro.
 System: LCS mesh element



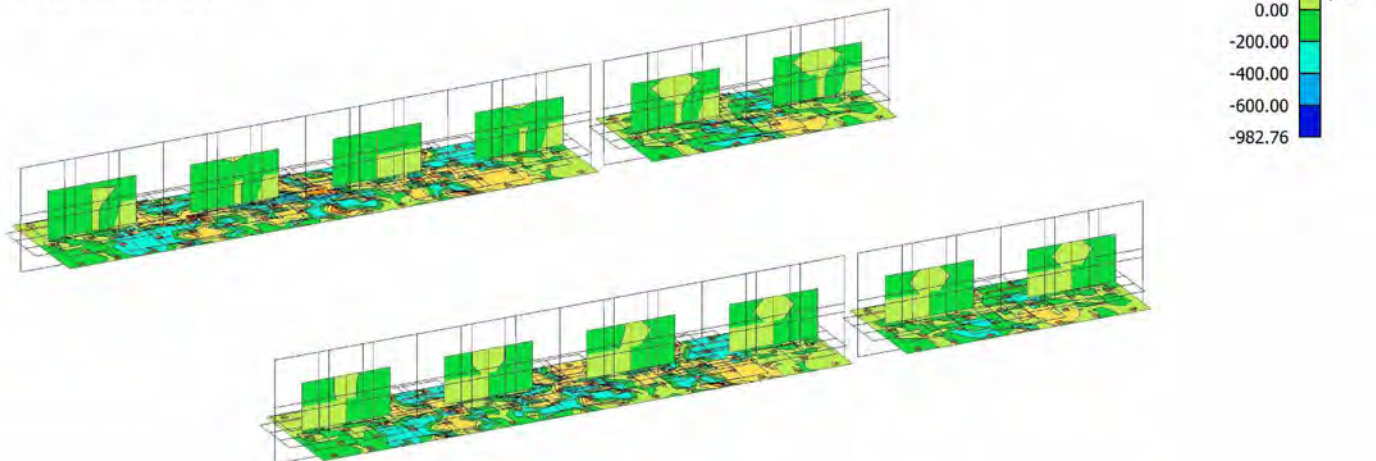
2.2.6.3. Resultaten - m_y

Values: m_y
 Linear calculation
 Class: Alle UGT
 Extreme: Member
 Selection: Named selection - Check
 Location: In nodes avg. on macro.
 System: LCS mesh element



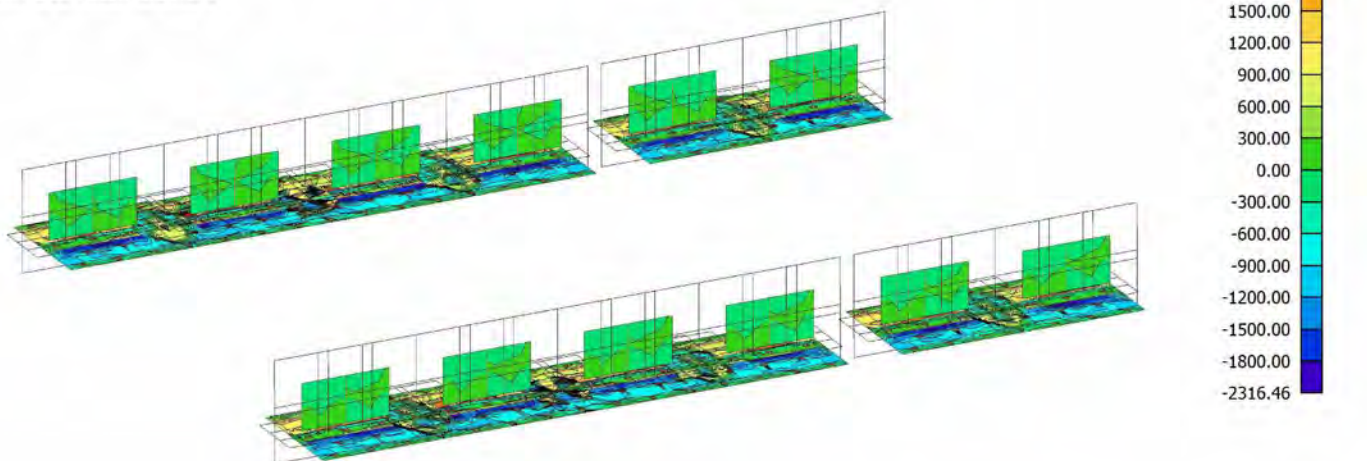
2.2.6.4. Resultaten - m_{xy}

Values: m_{xy}
 Linear calculation
 Class: Alle UGT
 Extreme: Member
 Selection: Named selection - Check
 Location: In nodes avg. on macro.
 System: LCS mesh element



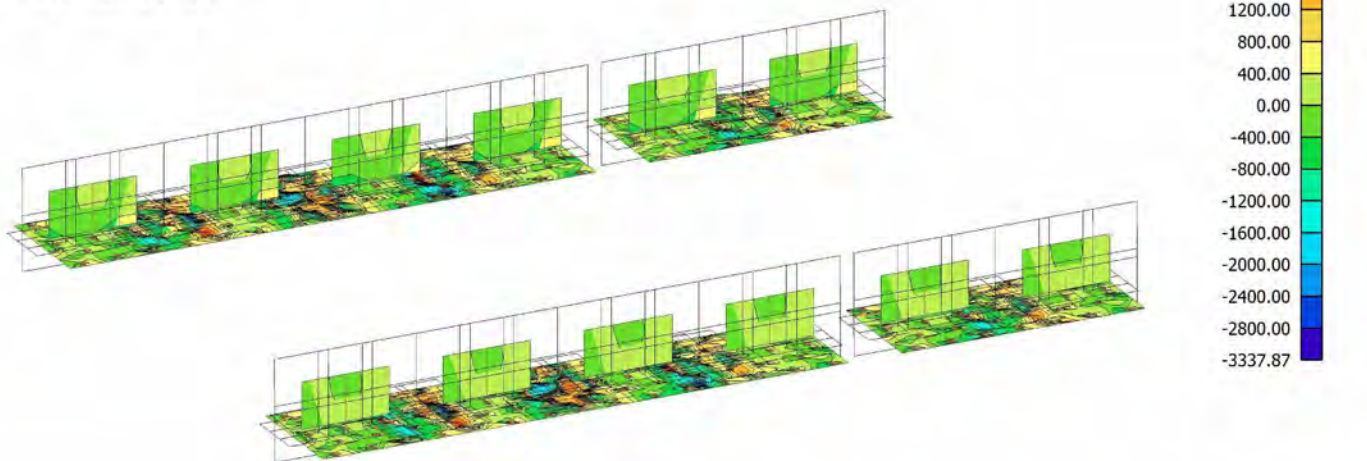
2.2.6.5. Resultaten - v_x

Values: v_x
Linear calculation
Class: Alle UGT
Extreme: Member
Selection: Named selection - Check
Location: In nodes avg. on macro.
System: LCS mesh element



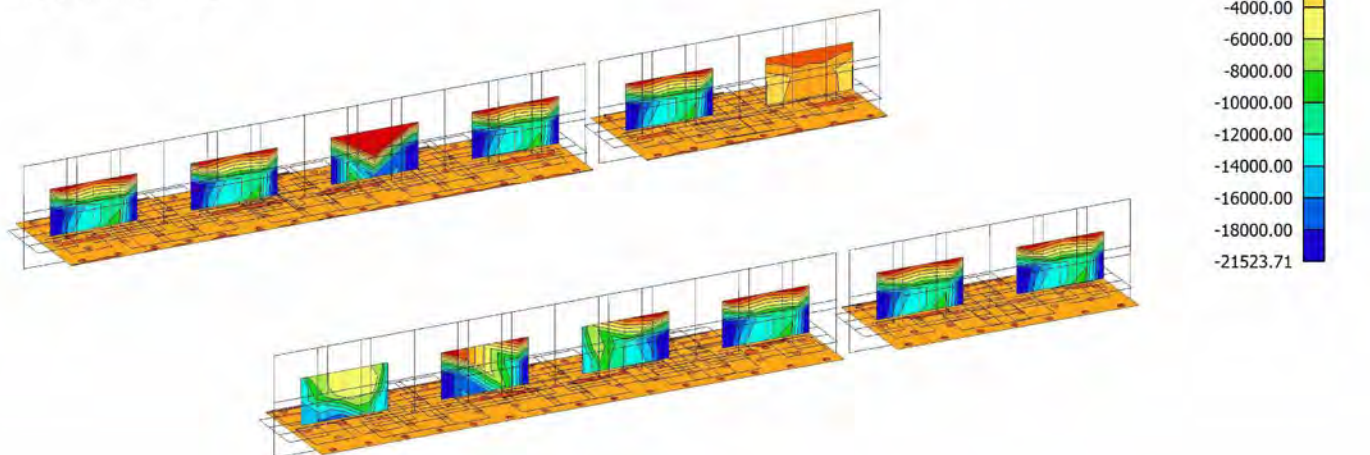
2.2.6.6. Resultaten - v_y

Values: v_y
Linear calculation
Class: Alle UGT
Extreme: Member
Selection: Named selection - Check
Location: In nodes avg. on macro.
System: LCS mesh element



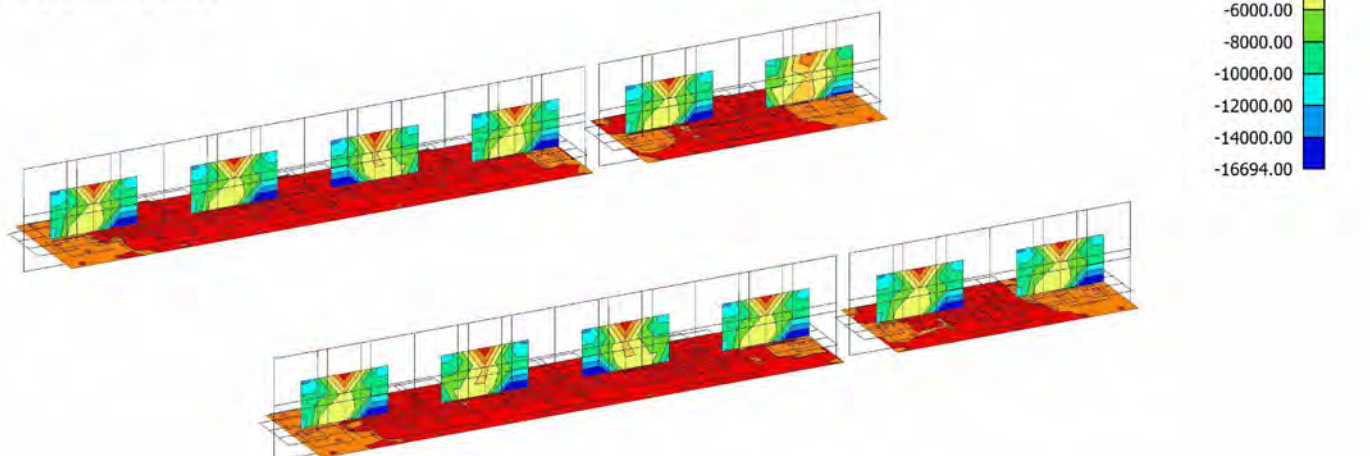
2.2.6.7. Resultaten - n_x

Values: n_x
 Linear calculation
 Class: Alle UGT
 Extreme: Member
 Selection: Named selection - Check
 Location: In nodes avg. on macro.
 System: LCS mesh element



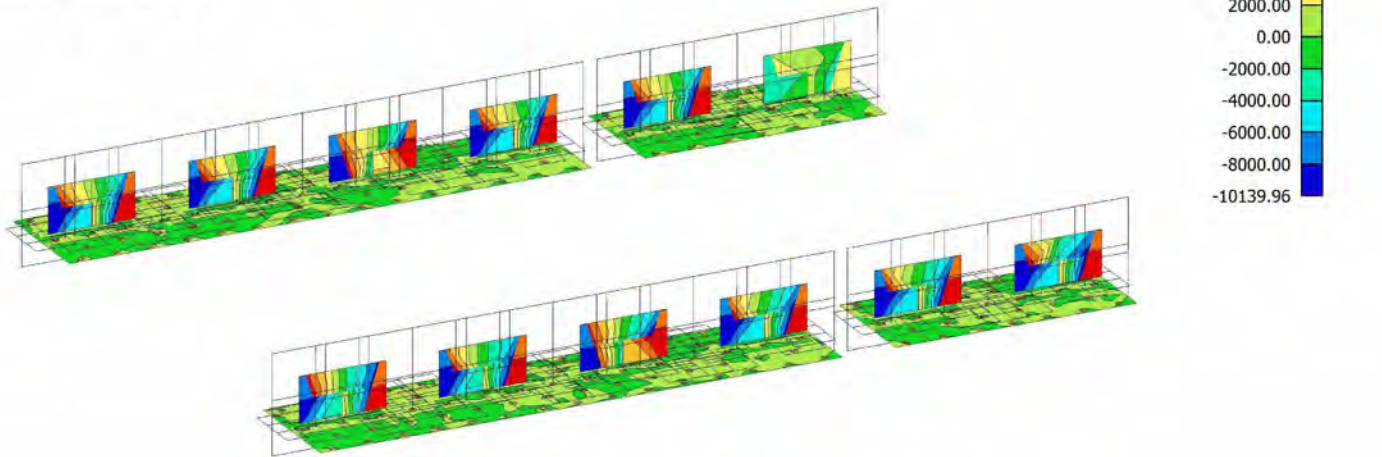
2.2.6.8. Resultaten - n_y

Values: n_y
 Linear calculation
 Class: Alle UGT
 Extreme: Member
 Selection: Named selection - Check
 Location: In nodes avg. on macro.
 System: LCS mesh element



2.2.6.9. Resultaten - n_{xy}

Values: n_{xy}
 Linear calculation
 Class: Alle UGT
 Extreme: Member
 Selection: Named selection - Check
 Location: In nodes avg. on macro.
 System: LCS mesh element



2D internal forces

Linear calculation

Class: Alle UGT

Extreme: Member

Selection: Named selection - Check

Location: In nodes avg. on macro. System: LCS mesh element

Principal magnitudes

Name	Mesh	Position [m]	Case	m_1 [kNm/m] m_2 [kNm/m]	α_1 [deg]	$m_{t, mesh}$ [kNm/m]	q_{mesh} [kN/m]	β_B [deg]	n_1 [kN/m] n_2 [kN/m]	α_m [deg]	q_{mesh} [kN/m]
E1	Element: 31 Node: 161	12.230 20.500 -0.500	UGT-Set B/1	-571.69 -2008.89	-0.12	718.60	487.71	-0.43	28.88 -6.49	75.03	17.68
E1	Element: 492 Node: 22759	11.750 3.357 -0.500	UGT-Set B/2	3799.54 805.30	-0.14	1497.12	1798.95	0.13	-5.27 -35.20	77.19	14.96
E1	Element: 512 Node: 29274	12.500 12.000 -0.500	UGT-Set B/3	-279.81 -4278.06	4.34	1999.12	2266.38	-83.99	19.71 -0.17	-82.64	9.94
E1	Element: 535 Node: 194	11.750 22.500 -0.500	UGT-Set B/4	3086.83 1735.61	71.49	675.61	1412.71	46.77	-8.05 -30.68	-30.44	11.32
E1	Element: 39 Node: 155	12.770 25.750 -0.500	UGT-Set B/5	150.22 25.74	-90.00	62.24	61.94	180.00	-0.24 -3.17	0.00	1.46
E1	Element: 22 Node: 89	15.980 36.250 -0.500	UGT-Set B/6	0.00 0.00	29.23	0.00	0.00	-14.35	0.00 0.00	-13.83	0.00
E1	Element: 506 Node: 190	11.750 12.000 -0.500	UGT-Set B/3	532.92 -4270.75	-3.27	2401.83	2540.97	-113.45	19.67 -2.62	83.46	11.15
E1	Element: 3 Node: 15	9.020 4.750 -0.500	UGT-Set B/7	22.01 5.00	82.95	8.50	0.00	0.00	7.92 -2.19	-63.07	5.05
E1	Element: 93 Node: 192	13.250 12.000 -0.500	UGT-Set B/8	966.56 -613.36	-19.91	789.96	3520.40	-69.20	10.36 -10.65	46.83	10.50
E1	Element: 35 Node: 139	12.770 17.950 -0.500	UGT-Set B/9	14.33 0.36	-78.97	6.98	13.29	-180.00	0.14 -1.60	27.44	0.87
E1	Element: 549 Node: 73085	14.056 25.963 -0.500	UGT-Set B/10	975.84 336.41	-0.26	319.72	446.05	-159.43	-21.12 -26.86	-60.90	2.87
E1	Element: 236 Node: 73052	15.922 19.233 -0.500	UGT-Set B/11	100.64 -1862.81	-4.85	981.73	587.60	-120.85	79.69 1.41	86.92	39.14
E1	Element: 236 Node: 73052	15.922 19.233 -0.500	UGT-Set B/12	1488.36 123.57	85.98	682.39	321.21	127.24	-2.64 -74.22	-3.92	35.79
E1	Element: 549 Node: 73085	14.056 25.963 -0.500	UGT-Set B/13	835.49 130.48	2.98	352.51	814.62	-170.40	26.73 21.83	54.89	2.45
E1	Element: 245 Node: 71553	16.750 24.000 -0.500	UGT-Set B/11	104.15 -761.12	8.86	432.63	295.12	0.47	67.37 -4.75	-90.00	36.06
E1	Element: 32 Node: 128	12.500 2.320 -0.500	UGT-Set B/14	13.74 0.23	90.00	6.75	7.29	90.00	-1.05 -1.22	90.00	0.09
E1	Element: 1 Node: 6	8.750 1.780	UGT-Set B/15	0.00 0.00	-14.63	0.00	0.00	-65.76	0.00 0.00	34.19	0.00

Name	Mesh	Position [m]	Case	m_1 [kNm/m]	α_1 [deg]	$m_{1,max}$ [kNm/m]	Q_{max} [kN/m]	β_0 [deg]	n_1 [kN/m]	α_m [deg]	$Q_{max,m}$ [kN/m]
				m_2 [kNm/m]					n_2 [kN/m]		
		-0.500									
E1	Element: 240 Node: 71224	16.750 22.000 -0.500	UGT-Set B/13	-167.28 -1771.40	6.67	802.06	145.17	18.63	76.65 -2.82	-85.99	39.73
E2	Element: 740 Node: 73151	12.500 4.750 3.400	UGT-Set B/16	-51.69 -88.37	-8.55	18.34	79.83	93.21	986.76 166.99	40.35	409.89
E2	Element: 737 Node: 73148	12.500 6.375 0.000	UGT-Set B/17	594.23 -9.19	-77.09	301.71	587.38	105.50	-100.17 -1726.33	-7.72	813.08
E2	Element: 738 Node: 73148	12.500 6.375 0.000	UGT-Set B/18	6.20 -614.82	13.25	310.51	604.40	74.39	54.76 -15048.75	13.75	7551.75
E2	Element: 740 Node: 73151	12.500 4.750 3.400	UGT-Set B/7	83.47 46.67	81.80	18.40	71.17	-90.61	85.48 -33.17	60.38	59.33
E2	Element: 741 Node: 73149	12.500 6.938 1.700	UGT-Set B/19	-0.51 -0.76	-81.85	0.13	0.53	-55.14	8742.38 -4580.62	21.56	6661.50
E2	Element: 741 Node: 73149	12.500 6.938 1.700	UGT-Set B/20	-0.44 -0.79	85.98	0.18	0.54	-45.87	8742.34 -4580.65	21.56	6661.49
E2	Element: 740 Node: 73151	12.500 4.750 3.400	UGT-Set B/21	-0.40 -0.46	-49.99	0.03	0.86	120.59	930.44 -2154.41	0.96	1542.43
E2	Element: 738 Node: 314	12.500 8.000 0.000	UGT-Set B/22	40.75 -612.71	12.60	326.73	639.53	65.27	-2809.88 -15335.81	17.01	6262.96
E2	Element: 735 Node: 73143	12.500 3.125 0.000	UGT-Set B/20	0.29 -0.78	16.01	0.53	0.19	101.28	10328.06 185.16	13.07	5071.45
E2	Element: 735 Node: 313	12.500 1.500 0.000	UGT-Set B/23	541.22 -41.42	75.69	291.32	649.59	-67.87	-2212.96 -11696.63	-24.54	4741.84
E2	Element: 740 Node: 73151	12.500 4.750 3.400	UGT-Set B/24	15.54 -16.51	45.73	16.03	21.87	-178.42	177.17 -131.67	44.77	154.42
E2	Element: 736 Node: 73147	12.500 4.750 1.700	UGT-Set B/25	8.97 -22.93	-37.63	15.95	21.93	177.10	200.80 -4355.02	-23.99	2277.91
E2	Element: 738 Node: 314	12.500 8.000 0.000	UGT-Set B/26	4.06 -19.44	20.51	11.75	17.05	59.82	-5609.70 -27103.77	59.36	10747.03
E2	Element: 739 Node: 73145	12.500 1.500 1.700	UGT-Set B/27	0.45 -1.52	-18.01	0.99	1.41	-10.18	15391.30 -4462.26	-17.26	9926.78
E2	Element: 735 Node: 313	12.500 1.500 0.000	UGT-Set B/28	4.56 -12.00	-19.92	8.28	15.67	-154.92	-5037.17 -27684.61	-58.52	11323.72
E2	Element: 740 Node: 73151	12.500 4.750 3.400	UGT-Set B/25	12.26 -20.21	-44.51	16.23	18.59	27.25	909.24 298.36	39.98	305.44

Name	Mesh	Position [m]	Case	m_1 [kNm/m] m_2 [kNm/m]	α_b [deg]	m_{max} [kNm/m]	Q_{max} [kN/m]	β_b [deg]	n_1 [kN/m] n_2 [kN/m]	δ_m [deg]	Q_{max} [kN/m]
E2	Element: 742 Node: 73150	12.500 8.000 1.700	UGT-Set B/26	3.70 -15.53	-21.25	9.62	11.58	132.80	-3494.21 -21847.53	-82.33	9176.66
E2	Element: 741 Node: 73147	12.500 4.750 1.700	UGT-Set B/29	-0.17 -1.22	-24.44	0.52	0.53	60.51	1326.05 -11730.45	89.59	6528.25
E2	Element: 740 Node: 73151	12.500 4.750 3.400	UGT-Set B/30	15.45 -15.40	-44.31	15.43	19.99	4.65	123.08 5.02	-65.22	59.03
E2	Element: 738 Node: 314	12.500 8.000 0.000	UGT-Set B/31	4.05 -19.45	20.47	11.75	17.08	59.83	10296.14 -16742.11	-2.64	13519.13
E3	Element: 748 Node: 73160	12.500 15.250 3.400	UGT-Set B/32	-51.84 -88.29	-7.73	18.23	79.88	93.43	986.78 167.26	40.35	409.76
E3	Element: 745 Node: 73157	12.500 16.875 0.000	UGT-Set B/33	594.12 -9.12	-77.10	301.62	587.30	105.48	-100.10 -1726.94	-7.73	813.42
E3	Element: 746 Node: 73157	12.500 16.875 0.000	UGT-Set B/34	6.19 -614.65	13.24	310.42	604.16	74.40	54.85 -15045.90	13.75	7550.38
E3	Element: 748 Node: 73160	12.500 15.250 3.400	UGT-Set B/35	-4.30 -4.48	-89.98	0.09	8.85	121.46	1616.63 -1764.90	6.60	1690.77
E3	Element: 749 Node: 73158	12.500 17.438 1.700	UGT-Set B/36	-0.42 -0.82	87.28	0.20	0.53	-45.18	8742.32 -4580.24	21.56	6661.28
E3	Element: 745 Node: 73157	12.500 16.875 0.000	UGT-Set B/37	-0.83 -0.98	51.60	0.08	1.42	-1.03	7251.99 -5948.24	21.61	6600.11
E3	Element: 746 Node: 320	12.500 18.500 0.000	UGT-Set B/32	40.79 -612.50	12.60	326.64	639.35	65.22	-2809.59 -15333.11	17.01	6261.76
E3	Element: 743 Node: 73152	12.500 13.625 0.000	UGT-Set B/38	0.31 -0.81	17.07	0.56	0.20	96.07	10328.18 185.10	13.07	5071.54
E3	Element: 743 Node: 319	12.500 12.000 0.000	UGT-Set B/39	541.33 -41.45	75.69	291.39	649.92	-67.88	-2213.19 -11697.84	-24.54	4742.33
E3	Element: 748 Node: 73160	12.500 15.250 3.400	UGT-Set B/40	15.46 -16.71	45.73	16.08	21.81	-179.10	203.61 -139.11	46.46	171.36
E3	Element: 744 Node: 73156	12.500 15.250 1.700	UGT-Set B/41	8.71 -22.73	-37.65	15.72	21.62	177.23	200.44 -4354.61	-23.98	2277.53
E3	Element: 746 Node: 320	12.500 18.500 0.000	UGT-Set B/42	4.06 -19.40	20.53	11.73	17.06	59.05	-5608.19 -27102.84	59.36	10747.33
E3	Element: 747 Node: 73154	12.500 12.000 1.700	UGT-Set B/27	0.45 -1.53	-17.75	0.99	1.40	-9.91	15391.27 -4462.51	-17.26	9926.89
E3	Element:	12.500	UGT-Set	4.52	-19.71	8.28	15.59	-155.07	-5038.31	-58.52	11323.46

Name	Mesh	Position [m]	Case	m_1 [kNm/m]	α_b [deg]	m_{maxb} [kNm/m]	Q_{maxb} [kN/m]	β_b [deg]	n_1 [kN/m]	δ_m [deg]	Q_{maxm} [kN/m]
				m_2 [kNm/m]					n_2 [kN/m]		
	743 Node: 319	12.000 0.000	B/43	-12.04					-27685.24		
E3	Element: 748 Node: 73160	12.500 15.250 3.400	UGT-Set B/44	11.97 -19.63	-44.45	15.80	18.30	26.77	885.31 303.61	38.73	290.85
E3	Element: 750 Node: 73159	12.500 18.500 1.700	UGT-Set B/42	3.68 -15.41	-21.25	9.54	11.52	132.81	-3492.74 -21847.37	-82.33	9177.31
E3	Element: 749 Node: 73156	12.500 15.250 1.700	UGT-Set B/29	-0.13 -1.17	21.95	0.52	0.54	58.92	1326.08 -11730.45	89.59	6528.27
E3	Element: 748 Node: 73160	12.500 15.250 3.400	UGT-Set B/45	83.52 46.70	81.88	18.41	71.20	-90.47	85.48 -33.15	60.39	59.32
E3	Element: 746 Node: 320	12.500 18.500 0.000	UGT-Set B/46	4.06 -19.42	20.50	11.74	17.08	59.00	10296.36 -16739.88	-2.64	13518.12
E4	Element: 753 Node: 73166	12.500 27.375 0.000	UGT-Set B/47	-42.06 -251.13	17.14	104.53	348.03	-61.23	-1054.67 -4184.00	34.12	1564.66
E4	Element: 751 Node: 73161	12.500 24.125 0.000	UGT-Set B/7	594.03 2.24	76.93	295.90	588.16	-74.49	-37.82 -1739.88	-14.79	851.03
E4	Element: 751 Node: 73161	12.500 24.125 0.000	UGT-Set B/16	0.69 -608.91	-13.22	304.80	583.77	106.51	-186.12 -15107.96	-13.97	7460.92
E4	Element: 753 Node: 73166	12.500 27.375 0.000	UGT-Set B/48	242.73 39.14	-73.84	101.79	337.62	118.59	-143.06 -510.75	34.62	183.84
E4	Element: 753 Node: 73165	12.500 25.750 1.700	UGT-Set B/49	214.74 12.60	-80.26	101.07	47.22	83.55	1175.69 -3031.74	16.44	2103.71
E4	Element: 757 Node: 73167	12.500 27.938 1.700	UGT-Set B/50	-0.16 -0.85	89.76	0.34	0.53	-35.24	13266.74 -4203.34	17.44	8735.04
E4	Element: 756 Node: 73169	12.500 25.750 3.400	UGT-Set B/29	-0.15 -0.61	41.14	0.23	0.83	118.73	-2144.30 -4358.73	86.31	1107.22
E4	Element: 751 Node: 325	12.500 22.500 0.000	UGT-Set B/51	41.08 -606.75	-12.41	323.91	622.59	116.05	-2800.35 -15306.71	-17.00	6253.18
E4	Element: 758 Node: 327	12.500 29.000 3.400	UGT-Set B/52	0.37 -0.73	28.42	0.55	0.41	103.52	3708.55 -6164.81	-36.16	4936.68
E4	Element: 754 Node: 326	12.500 29.000 0.000	UGT-Set B/47	49.92 -572.81	14.75	311.36	668.19	66.40	-2251.52 -11699.91	24.38	4724.20
E4	Element: 752 Node: 73165	12.500 25.750 1.700	UGT-Set B/53	9.37 -22.17	-39.69	15.77	26.06	-179.62	1144.95 -2920.73	-15.48	2032.84
E4	Element: 756 Node:	12.500 25.750 1.700	UGT-Set B/54	4.57 -19.68	38.27	12.13	27.63	179.51	1253.39 -3141.36	17.41	2197.37

Name	Mesh	Position [m]	Case	m_1 [kNm/m]	α_1 [deg]	$m_{1,max}$ [kNm/m]	Q_{max} [kN/m]	β_1 [deg]	n_1 [kN/m]	δ_m [deg]	$Q_{max,m}$ [kN/m]
				m_2 [kNm/m]					n_2 [kN/m]		
	73165										
E4	Element: 751 Node: 325	12.500 22.500 0.000	UGT-Set B/55	4.17 -13.54	-17.11	8.86	15.59	-155.54	-5680.71 -26995.03	-59.51	10657.16
E4	Element: 758 Node: 73168	12.500 29.000 1.700	UGT-Set B/27	0.41 -1.49	-23.97	0.95	1.14	133.63	15397.73 -4359.87	17.34	9878.80
E4	Element: 754 Node: 326	12.500 29.000 0.000	UGT-Set B/28	4.89 -20.43	22.48	12.66	18.96	62.15	-5088.63 -27666.27	58.55	11288.82
E4	Element: 756 Node: 73169	12.500 25.750 3.400	UGT-Set B/56	-0.17 -0.69	39.70	0.26	0.94	118.88	3570.84 1816.48	4.88	877.18
E4	Element: 758 Node: 73168	12.500 29.000 1.700	UGT-Set B/28	4.67 -15.51	-24.54	10.09	11.37	133.61	-2877.45 -21978.05	-81.09	9550.30
E4	Element: 756 Node: 73165	12.500 25.750 1.700	UGT-Set B/21	-0.23 -1.07	21.69	0.42	0.65	140.89	764.28 -4353.50	88.41	2558.89
E4	Element: 756 Node: 73169	12.500 25.750 3.400	UGT-Set B/57	12.67 -12.51	-44.18	12.59	21.62	3.99	124.87 32.83	58.16	46.02
E4	Element: 754 Node: 73168	12.500 29.000 1.700	UGT-Set B/28	5.70 -16.54	26.77	11.12	12.10	42.93	1124.42 -25979.93	66.07	13552.17
E5	Element: 764 Node: 73178	12.500 36.250 3.400	UGT-Set B/58	-51.85 -88.16	7.26	18.15	79.73	93.03	838.34 310.19	37.94	264.08
E5	Element: 761 Node: 73175	12.500 37.875 0.000	UGT-Set B/59	593.71 -9.00	-77.11	301.35	586.99	105.46	-100.11 -1725.93	-7.73	812.91
E5	Element: 762 Node: 73175	12.500 37.875 0.000	UGT-Set B/60	6.16 -614.35	13.24	310.26	603.65	74.39	54.83 -15042.93	13.75	7548.88
E5	Element: 764 Node: 73178	12.500 36.250 3.400	UGT-Set B/61	83.20 46.87	-83.54	18.16	71.08	-91.18	84.13 -26.09	-60.73	55.11
E5	Element: 764 Node: 73178	12.500 36.250 3.400	UGT-Set B/62	83.05 46.73	-83.60	18.16	70.84	-91.30	113.44 -36.63	-60.49	75.03
E5	Element: 765 Node: 73176	12.500 38.438 1.700	UGT-Set B/63	-0.32 -0.88	81.31	0.28	0.51	-42.02	8742.46 -4579.18	21.56	6660.82
E5	Element: 764 Node: 73178	12.500 36.250 3.400	UGT-Set B/64	-4.25 -4.55	64.73	0.15	8.96	122.50	1595.13 -1743.26	4.79	1669.20
E5	Element: 762 Node: 332	12.500 39.500 0.000	UGT-Set B/65	40.83 -612.19	12.60	326.51	638.92	65.19	-2809.26 -15328.81	17.01	6259.77
E5	Element: 766 Node:	12.500 39.500 1.700	UGT-Set B/66	0.37 -0.25	19.66	0.31	0.32	130.31	3275.25 -19541.31	-75.63	11408.28

Name	Mesh	Position [m]	Case	m_1 [kNm/m]	α_b [deg]	$m_{1,max}$ [kNm/m]	Q_{max} [kN/m]	β_b [deg]	n_1 [kN/m]	δ_m [deg]	Q_{max} [kN/m]
				m_2 [kNm/m]					n_2 [kN/m]		
	73177										
E5	Element: 759 Node: 331	12.500 33.000 0.000	UGT-Set B/67	541.58 -41.50	75.67	291.54	650.34	-67.90	-2201.63 -11634.72	-24.54	4716.55
E5	Element: 760 Node: 73174	12.500 36.250 1.700	UGT-Set B/68	8.60 -22.42	-37.69	15.51	21.62	177.07	198.95 -4331.07	-23.99	2265.01
E5	Element: 762 Node: 332	12.500 39.500 0.000	UGT-Set B/43	4.20 -19.48	20.78	11.84	16.83	57.97	-5605.99 -27101.29	59.37	10747.65
E5	Element: 763 Node: 73172	12.500 33.000 1.700	UGT-Set B/27	0.44 -1.58	-17.49	1.01	1.39	-9.36	15391.22 -4462.87	-17.26	9927.05
E5	Element: 759 Node: 331	12.500 33.000 0.000	UGT-Set B/26	4.49 -12.19	-19.55	8.34	15.13	-156.29	-5039.79 -27686.27	-58.51	11323.24
E5	Element: 764 Node: 73178	12.500 36.250 3.400	UGT-Set B/57	12.08 -19.63	-44.48	15.85	18.32	26.41	778.45 401.37	35.46	188.54
E5	Element: 764 Node: 73174	12.500 36.250 1.700	UGT-Set B/29	-0.09 -1.13	19.38	0.52	0.55	123.04	1328.41 -11732.74	-89.14	6530.57
E5	Element: 765 Node: 73174	12.500 36.250 1.700	UGT-Set B/69	-0.06 -1.15	21.42	0.55	0.58	48.82	1328.41 -11732.74	89.14	6530.57
E5	Element: 764 Node: 73178	12.500 36.250 3.400	UGT-Set B/70	15.64 -17.03	45.73	16.33	22.19	-179.39	68.37 5.42	51.75	31.47
E5	Element: 762 Node: 332	12.500 39.500 0.000	UGT-Set B/71	4.19 -19.49	20.75	11.84	16.86	57.98	10296.70 -16736.47	-2.64	13516.58
E6	Element: 807 Node: 501	50.230 20.500 -0.500	UGT-Set B/72	-593.45 -1993.58	-0.12	700.06	377.94	-0.65	26.92 -4.42	89.62	15.67
E6	Element: 1303 Node: 73215	49.750 3.357 -0.500	UGT-Set B/73	3729.93 727.34	-1.39	1501.29	1850.29	-0.66	17.51 -19.70	-46.92	18.60
E6	Element: 1334 Node: 73234	50.500 12.000 -0.500	UGT-Set B/74	-316.37 -4352.49	3.64	2018.06	2489.66	-90.73	18.55 -0.31	-83.50	9.43
E6	Element: 1226 Node: 73458	49.371 20.014 -0.500	UGT-Set B/75	1988.33 1682.93	-88.28	152.70	1435.49	-30.32	-2.18 -28.35	1.40	13.09
E6	Element: 808 Node: 506	50.500 30.730 -0.500	UGT-Set B/76	1490.08 475.80	-90.00	507.14	1616.26	-90.00	-1.24 -14.05	-6.23	6.40
E6	Element: 770 Node: 353	53.980 36.250 -0.500	UGT-Set B/30	0.00 0.00	30.54	0.00	0.00	-14.76	0.00 0.00	-11.43	0.00
E6	Element: 1331 Node: 535	49.750 12.000 -0.500	UGT-Set B/74	584.37 -4350.12	-3.04	2467.25	2643.63	-109.66	18.52 -2.20	84.10	10.36
E6	Element: 800 Node: 470	50.500 1.780 -0.500	UGT-Set B/77	7.88 1.00	90.00	3.44	0.00	0.00	-1.33 -3.21	0.00	0.94
E6	Element:	51.250	UGT-Set	938.06	-19.54	770.10	3542.65	-70.42	8.64	50.09	9.46

Name	Mesh	Position [m]	Case	m_1 [kNm/m] m_2 [kNm/m]	α_b [deg]	m_{max} [kNm/m]	Q_{max} [kN/m]	β_b [deg]	n_1 [kN/m] n_2 [kN/m]	δ_m [deg]	Q_{max} [kN/m]
	911 Node: 536	12.000 -0.500	B/78	-602.13					-10.28		
E6	Element: 801 Node: 475	50.770 28.450 -0.500	UGT-Set B/79	21.97 -28.52	-3.16	25.24	14.67	-180.00	0.93 -0.10	79.87	0.51
E6	Element: 785 Node: 415	47.020 7.450 -0.500	UGT-Set B/80	34.83 27.45	90.00	3.69	-43.37	180.00	8.20 -8.16	44.41	8.18
E6	Element: 981 Node: 444	54.250 10.270 -0.500	UGT-Set B/81	603.58 -283.04	68.55	443.31	384.57	104.42	-8.67 -15.66	14.39	3.49
E6	Element: 1219 Node: 498	50.500 9.730 -0.500	UGT-Set B/82	787.03 297.68	-49.17	244.68	414.52	102.69	1.57 -42.59	13.22	22.08
E6	Element: 964 Node: 73253	54.750 4.000 -0.500	UGT-Set B/83	30.96 -49.21	-12.43	40.09	26.66	-63.27	5.76 5.47	29.49	0.15
E6	Element: 794 Node: 449	46.480 20.500 -0.500	UGT-Set B/84	95.44 -1683.28	0.00	889.36	279.85	0.00	17.72 -0.53	-90.00	9.12
E6	Element: 798 Node: 462	50.500 7.180 -0.500	UGT-Set B/85	-0.73 -96.17	0.00	47.72	18.67	-89.54	2.22 -0.04	90.00	1.13
E6	Element: 799 Node: 466	50.500 4.480 -0.500	UGT-Set B/86	0.00 0.00	0.00	0.00	0.00	-90.03	0.00 0.00	0.00	0.00
E6	Element: 1226 Node: 73458	49.371 20.014 -0.500	UGT-Set B/1	-50.93 -2589.14	-0.53	1269.10	986.49	133.52	57.32 -3.72	-81.07	30.52
E7	Element: 1507 Node: 650	50.500 8.000 0.000	UGT-Set B/87	-7.43 -15.56	16.81	4.06	48.76	123.74	-2816.61 -14882.76	15.49	6033.07
E7	Element: 1504 Node: 649	50.500 1.500 0.000	UGT-Set B/88	-2.28 -28.42	-19.31	13.07	30.89	64.89	-266.93 -1322.59	-23.71	527.83
E7	Element: 1509 Node: 73579	50.500 4.750 1.700	UGT-Set B/87	9.63 5.52	-0.80	2.06	10.20	-115.18	1065.77 -3843.51	-13.00	2454.64
E7	Element: 1507 Node: 73582	50.500 8.000 1.700	UGT-Set B/89	6.85 -8.35	-89.97	7.60	22.84	156.92	-215.25 -7702.16	25.06	3743.45
E7	Element: 1504 Node: 73576	50.500 1.500 1.700	UGT-Set B/90	5.25 -7.74	89.53	6.49	16.14	-6.67	-96.61 -7762.63	-25.92	3833.01
E7	Element: 1509 Node: 73583	50.500 4.750 3.400	UGT-Set B/91	0.64 0.13	51.99	0.26	0.76	-120.33	-2153.57 -4358.46	-88.31	1102.44
E7	Element: 1504 Node: 649	50.500 1.500 0.000	UGT-Set B/92	47.89 -1.33	71.17	24.61	46.96	-93.79	-2316.54 -11368.66	-22.90	4526.06
E7	Element: 1504 Node: 73575	50.500 2.563 1.700	UGT-Set B/93	1.65 -1.51	37.77	1.58	0.17	74.09	-73.61 -616.47	-37.21	271.43
E7	Element: 1507 Node: 650	50.500 8.000 0.000	UGT-Set B/89	-7.39 -15.71	16.79	4.16	48.77	123.55	-2816.77 -14881.81	15.49	6032.52
E7	Element: 1509 Node: 73579	50.500 4.750 1.700	UGT-Set B/94	17.35 -4.21	74.08	10.78	4.41	-173.36	1070.10 -3852.90	-13.00	2461.50

Name	Mesh	Position [m]	Case	m_1 [kNm/m]	α_b [deg]	m_{max} [kNm/m]	Q_{max} [kN/m]	β_b [deg]	n_1 [kN/m]	α_m [deg]	Q_{max} [kN/m]
				m_2 [kNm/m]					n_2 [kN/m]		
	Node: 73579	1.700									
E7	Element: 1511 Node: 654	50.500 7.500 3.400	UGT-Set B/92	12.41 -2.23	-89.78	7.32	17.37	176.30	101.01 -10280.53	16.86	5190.77
E7	Element: 1508 Node: 652	50.500 1.500 3.400	UGT-Set B/95	11.78 -3.88	-64.26	7.83	9.17	-134.62	-10041.64 -16548.70	52.37	3253.53
E7	Element: 1508 Node: 652	50.500 1.500 3.400	UGT-Set B/27	1.08 -0.36	-63.95	0.72	0.85	-134.67	12213.25 -1995.66	-24.12	7104.45
E7	Element: 1504 Node: 649	50.500 1.500 0.000	UGT-Set B/95	17.91 -3.33	71.70	10.62	19.64	-62.04	-3793.27 -21954.93	-50.65	9080.83
E7	Element: 1509 Node: 73583	50.500 4.750 3.400	UGT-Set B/96	0.66 0.12	52.02	0.27	0.79	-121.21	3549.11 1822.00	-2.18	863.56
E7	Element: 1509 Node: 73579	50.500 4.750 1.700	UGT-Set B/97	1.03 0.21	69.25	0.41	0.58	-133.71	1337.74 -4358.85	-89.36	2848.30
E7	Element: 1506 Node: 73579	50.500 4.750 1.700	UGT-Set B/97	1.00 0.23	-71.32	0.38	0.56	131.31	1728.96 -4750.07	75.76	3239.52
E7	Element: 1509 Node: 73583	50.500 4.750 3.400	UGT-Set B/98	0.96 -1.27	55.05	1.12	2.02	-141.54	76.02 -7.13	34.12	41.58
E7	Element: 1508 Node: 652	50.500 1.500 3.400	UGT-Set B/99	11.78 -3.90	-64.23	7.84	9.19	-134.63	11528.55 -12307.45	-20.93	11918.00
E8	Element: 1515 Node: 656	50.500 18.500 0.000	UGT-Set B/100	-10.24 -15.61	21.84	2.68	47.96	122.28	-2762.36 -15074.48	17.00	6156.06
E8	Element: 1512 Node: 655	50.500 12.000 0.000	UGT-Set B/101	48.74 1.22	69.25	23.76	46.96	-93.56	-2231.41 -11593.84	-24.38	4681.21
E8	Element: 1512 Node: 655	50.500 12.000 0.000	UGT-Set B/102	-4.97 -28.90	-21.96	11.97	30.45	66.68	-260.39 -1345.53	-25.08	542.57
E8	Element: 1516 Node: 73587	50.500 13.063 1.700	UGT-Set B/103	19.29 7.42	80.14	5.93	19.57	-131.25	-233.46 -7990.89	-32.59	3878.71
E8	Element: 1519 Node: 660	50.500 18.000 3.400	UGT-Set B/100	19.31 -2.84	-85.42	11.08	17.09	93.39	1460.22 -11029.72	9.73	6244.97
E8	Element: 1518 Node: 73592	50.500 17.438 1.700	UGT-Set B/101	22.66 -2.16	85.68	12.41	19.21	-13.34	-918.17 -8395.02	-28.77	3738.43
E8	Element: 1517 Node: 73594	50.500 15.250 3.400	UGT-Set B/91	0.55 0.14	48.44	0.21	0.78	-119.48	-2153.84 -4358.27	-88.37	1102.21
E8	Element: 1514 Node: 73591	50.500 16.875 0.000	UGT-Set B/101	43.13 -6.29	-73.90	24.71	40.79	95.92	-319.44 -14790.12	-12.97	7235.34
E8	Element: 1516 Node: 73587	50.500 13.063 1.700	UGT-Set B/104	0.40 -0.47	10.69	0.44	0.16	106.43	-20.14 -600.32	-39.92	290.09

Name	Mesh	Position [m]	Case	m_1 [kNm/m] m_2 [kNm/m]	α_b [deg]	m_{maxb} [kNm/m]	Q_{maxb} [kN/m]	β_b [deg]	n_1 [kN/m] n_2 [kN/m]	δ_m [deg]	Q_{maxm} [kN/m]
E8	Element: 1515 Node: 656	50.500 18.500 0.000	UGT-Set B/105	-10.22 -15.71	21.77	2.75	47.98	122.15	-2761.57 -15078.64	17.00	6158.53
E8	Element: 1517 Node: 659	50.500 12.500 3.400	UGT-Set B/101	8.66 -6.10	-60.47	7.38	11.95	-174.62	1401.25 -9700.87	9.38	5551.06
E8	Element: 1519 Node: 660	50.500 18.000 3.400	UGT-Set B/106	14.84 -7.06	-72.43	10.95	14.73	177.38	1465.29 -11064.17	9.74	6264.73
E8	Element: 1515 Node: 656	50.500 18.500 0.000	UGT-Set B/107	14.11 -4.65	-71.48	9.38	16.68	148.69	-5576.10 -26878.82	59.72	10651.36
E8	Element: 1516 Node: 73588	50.500 12.000 1.700	UGT-Set B/27	1.38 -0.37	-66.48	0.88	1.10	-134.39	15403.57 -4338.81	-17.32	9871.19
E8	Element: 1512 Node: 655	50.500 12.000 0.000	UGT-Set B/108	18.27 -3.48	70.47	10.87	19.30	-64.20	-5014.27 -27545.24	-58.70	11265.49
E8	Element: 1517 Node: 73594	50.500 15.250 3.400	UGT-Set B/109	6.27 1.50	-49.38	2.39	8.85	-119.64	4759.41 1842.88	-22.55	1458.27
E8	Element: 1517 Node: 73590	50.500 15.250 1.700	UGT-Set B/110	0.96 0.23	70.57	0.36	0.56	-135.49	769.51 -4358.83	-89.32	2564.17
E8	Element: 1516 Node: 73588	50.500 12.000 1.700	UGT-Set B/108	14.95 -3.99	-66.79	9.47	11.89	-135.01	-2780.17 -21937.87	80.97	9578.85
E8	Element: 1517 Node: 73594	50.500 15.250 3.400	UGT-Set B/111	0.89 -1.17	56.41	1.03	2.03	-140.91	115.03 30.80	61.55	42.12
E8	Element: 1512 Node: 73588	50.500 12.000 1.700	UGT-Set B/112	14.90 -3.97	66.80	9.44	11.85	-45.03	1168.57 -25884.94	-66.16	13526.76
E9	Element: 1523 Node: 662	50.500 29.000 0.000	UGT-Set B/113	-9.79 -18.36	21.86	4.29	46.26	123.62	-2224.84 -11559.81	24.38	4667.48
E9	Element: 1523 Node: 662	50.500 29.000 0.000	UGT-Set B/114	-5.11 -29.42	21.79	12.15	32.79	112.53	-258.99 -1354.94	25.08	547.97
E9	Element: 1525 Node: 73599	50.500 25.750 1.700	UGT-Set B/113	7.74 5.48	-24.25	1.13	7.21	-114.64	189.82 -3409.56	-27.17	1799.69
E9	Element: 1524 Node: 664	50.500 22.500 3.400	UGT-Set B/113	12.08 -7.77	-88.03	9.93	3.46	27.94	-687.63 -11545.46	-16.47	5428.91
E9	Element: 1520 Node: 73597	50.500 22.500 1.700	UGT-Set B/115	5.56 -7.77	87.10	6.67	16.12	-5.87	-208.12 -7992.64	-24.64	3892.26
E9	Element: 1525 Node: 73605	50.500 25.750 3.400	UGT-Set B/116	0.61 0.32	49.33	0.14	0.80	-118.70	925.14 -2155.44	-0.48	1540.29
E9	Element: 1520 Node: 73595	50.500 24.125 0.000	UGT-Set B/117	48.26 -2.00	73.94	25.13	47.33	-90.37	-379.45 -14803.44	-13.10	7211.99
E9	Element:	50.500	UGT-Set	0.75	28.90	0.47	0.22	55.52	-76.05	47.09	109.24

Name	Mesh	Position [m]	Case	m_1 [kNm/m] m_2 [kNm/m]	α_b [deg]	m_{maxb} [kNm/m]	Q_{maxb} [kN/m]	β_b [deg]	n_1 [kN/m] n_2 [kN/m]	δ_m [deg]	Q_{maxm} [kN/m]
	1523 Node: 73600	27.375 0.000	B/118	-0.19					-294.53		
E9	Element: 1520 Node: 661	50.500 22.500 0.000	UGT-Set B/117	48.42 -0.20	73.33	24.31	47.43	-93.74	-2788.63 -14961.78	-15.77	6086.58
E9	Element: 1525 Node: 73599	50.500 25.750 1.700	UGT-Set B/119	17.08 -5.84	69.62	11.46	3.05	-173.27	189.13 -3417.78	-27.16	1803.46
E9	Element: 1527 Node: 666	50.500 28.500 3.400	UGT-Set B/120	14.22 -6.84	-73.00	10.53	14.76	175.58	1465.92 -9768.44	10.31	5617.18
E9	Element: 1524 Node: 664	50.500 22.500 3.400	UGT-Set B/121	11.59 -3.69	-64.87	7.64	9.18	-134.61	-10274.12 -16316.39	52.94	3021.14
E9	Element: 1527 Node: 73604	50.500 29.000 1.700	UGT-Set B/122	1.36 -0.41	-72.40	0.89	1.25	8.45	15404.62 -4340.98	17.32	9872.80
E9	Element: 1523 Node: 662	50.500 29.000 0.000	UGT-Set B/123	12.02 -5.10	-68.27	8.56	16.89	147.35	-5013.40 -27545.66	58.70	11266.13
E9	Element: 1522 Node: 73600	50.500 27.375 0.000	UGT-Set B/124	0.59 -0.16	-64.22	0.37	1.07	147.69	10309.18 242.61	-12.59	5033.29
E9	Element: 1525 Node: 73599	50.500 25.750 1.700	UGT-Set B/125	1.02 0.06	68.32	0.48	0.41	-133.22	767.94 -11731.56	-89.59	6249.75
E9	Element: 1522 Node: 73599	50.500 25.750 1.700	UGT-Set B/125	1.00 0.09	-70.14	0.46	0.40	129.27	1499.95 -12463.57	76.76	6981.76
E9	Element: 1525 Node: 73605	50.500 25.750 3.400	UGT-Set B/126	0.23 -6.71	81.46	3.47	3.15	97.58	64.33 -16.34	-70.64	40.33
E9	Element: 1523 Node: 73604	50.500 29.000 1.700	UGT-Set B/127	15.44 -4.64	-72.12	10.04	14.33	171.70	1167.64 -25885.12	66.15	13526.38
E10	Element: 1531 Node: 668	50.500 39.500 0.000	UGT-Set B/128	-10.30 -15.56	21.03	2.63	47.95	122.27	-2761.79 -15075.33	17.01	6156.77
E10	Element: 1528 Node: 667	50.500 33.000 0.000	UGT-Set B/67	48.81 1.14	69.13	23.84	46.94	-93.57	-2200.13 -11625.99	-24.55	4712.93
E10	Element: 1528 Node: 667	50.500 33.000 0.000	UGT-Set B/129	-4.94 -28.94	-22.01	12.00	30.46	66.70	-255.94 -1346.89	-25.29	545.47
E10	Element: 1532 Node: 73609	50.500 34.063 1.700	UGT-Set B/130	20.58 7.44	81.32	6.57	19.72	-130.05	-544.33 -8552.27	-31.41	4003.97
E10	Element: 1535 Node: 672	50.500 39.000 3.400	UGT-Set B/128	18.30 -2.85	-85.07	10.57	16.62	93.51	1460.83 -9737.28	10.30	5599.05
E10	Element: 1534 Node: 73616	50.500 38.438 1.700	UGT-Set B/67	21.85 -2.62	85.84	12.23	19.57	-13.26	-527.77 -8038.79	-28.58	3755.51
E10	Element: 1533	50.500 36.250	UGT-Set B/116	0.59 0.33	49.60	0.13	0.80	-118.79	925.04 -2155.37	-0.35	1540.21

Name	Mesh	Position [m]	Case	m_1 [kNm/m] m_2 [kNm/m]	α_b [deg]	m_{maxb} [kNm/m]	Q_{maxb} [kN/m]	β_b [deg]	n_1 [kN/m] n_2 [kN/m]	δ_m [deg]	Q_{maxm} [kN/m]
	Node: 73621	3.400									
E10	Element: 1530 Node: 73615	50.500 37.875 0.000	UGT-Set B/67	43.10 -7.13	-74.08	25.11	40.90	97.35	-81.45 -14777.21	-12.76	7347.88
E10	Element: 1533 Node: 73609	50.500 34.063 1.700	UGT-Set B/93	0.43 -0.37	12.65	0.40	0.22	-118.67	-9.96 -705.10	38.67	347.57
E10	Element: 1531 Node: 668	50.500 39.500 0.000	UGT-Set B/89	-10.26 -15.71	20.93	2.72	47.97	122.07	-2759.72 -15080.46	17.01	6160.37
E10	Element: 1530 Node: 73613	50.500 36.250 1.700	UGT-Set B/128	7.47 5.47	13.61	1.00	3.03	-176.99	114.94 -4270.58	23.11	2192.76
E10	Element: 1533 Node: 73613	50.500 36.250 1.700	UGT-Set B/67	18.51 -5.73	70.56	12.12	3.03	176.99	21.59 -4187.11	-21.84	2104.35
E10	Element: 1531 Node: 668	50.500 39.500 0.000	UGT-Set B/131	14.08 -4.68	-71.27	9.38	16.62	148.41	-5489.77 -26970.15	59.58	10740.19
E10	Element: 1532 Node: 73611	50.500 33.000 1.700	UGT-Set B/27	1.45 -0.37	-67.14	0.91	1.09	-134.23	15397.16 -4439.49	-17.25	9918.32
E10	Element: 1528 Node: 667	50.500 33.000 0.000	UGT-Set B/132	18.34 -3.54	70.28	10.94	19.32	-64.17	-4977.38 -27582.19	-58.66	11302.41
E10	Element: 1533 Node: 73621	50.500 36.250 3.400	UGT-Set B/133	6.66 1.98	52.16	2.34	9.77	-124.02	827.03 278.76	-35.83	274.13
E10	Element: 1533 Node: 73613	50.500 36.250 1.700	UGT-Set B/134	1.05 0.03	67.13	0.51	0.45	-129.56	1336.69 -11731.51	-89.61	6534.10
E10	Element: 1532 Node: 73611	50.500 33.000 1.700	UGT-Set B/132	15.73 -3.92	-67.54	9.82	11.92	-135.02	-3361.00 -21939.54	80.81	9289.27
E10	Element: 1533 Node: 73621	50.500 36.250 3.400	UGT-Set B/135	0.12 -6.61	85.19	3.37	3.15	97.62	60.22 -12.39	-74.91	36.31
E10	Element: 1531 Node: 668	50.500 39.500 0.000	UGT-Set B/136	14.07 -4.69	-71.24	9.38	16.65	148.39	10357.04 -16549.43	-2.75	13453.23
E11	Element: 1541 Node: 73631	12.500 47.750 3.400	UGT-Set B/137	-54.00 -90.59	-6.68	18.29	82.16	93.12	852.30 304.01	37.98	274.15
E11	Element: 1538 Node: 73627	12.500 49.375 0.000	UGT-Set B/138	613.96 -9.77	-77.09	311.87	606.95	105.52	-100.75 -1728.77	-7.70	814.01
E11	Element: 1539 Node: 73627	12.500 49.375 0.000	UGT-Set B/139	6.09 -634.55	13.22	320.32	623.45	74.32	55.38 -15061.19	13.75	7558.29
E11	Element: 1541 Node:	12.500 47.750 3.400	UGT-Set B/7	86.51 48.16	80.29	19.17	73.50	-91.22	87.57 -34.58	-59.96	61.08

Name	Mesh	Position [m]	Case	m_1 [kNm/m] m_2 [kNm/m]	α_b [deg]	m_{max} [kNm/m]	Q_{max} [kN/m]	β_b [deg]	n_1 [kN/m] n_2 [kN/m]	δ_m [deg]	Q_{max} [kN/m]
	73631										
E11	Element: 1540 Node: 677	12.500 45.000 3.400	UGT-Set B/140	114.94 -54.11	-79.82	84.53	181.30	-34.49	165.57 -1163.86	-11.52	664.72
E11	Element: 1543 Node: 678	12.500 50.500 3.400	UGT-Set B/141	109.66 -52.73	80.81	81.20	180.93	-148.94	1477.01 -9838.31	10.30	5657.66
E11	Element: 1541 Node: 73631	12.500 47.750 3.400	UGT-Set B/29	-0.32 -0.54	50.64	0.11	0.85	119.16	931.04 -2153.89	-0.97	1542.47
E11	Element: 1539 Node: 674	12.500 51.000 0.000	UGT-Set B/142	41.91 -632.45	12.55	337.18	659.81	65.26	-2813.00 -15348.18	17.01	6267.59
E11	Element: 1536 Node: 73622	12.500 46.125 0.000	UGT-Set B/143	0.41 -1.02	19.46	0.71	0.30	73.29	10326.90 182.40	13.06	5072.25
E11	Element: 1536 Node: 673	12.500 44.500 0.000	UGT-Set B/141	558.20 -43.09	75.69	300.64	670.31	-67.74	-2215.96 -11710.10	-24.54	4747.07
E11	Element: 1537 Node: 73626	12.500 47.750 1.700	UGT-Set B/144	8.15 -20.48	-35.61	14.32	19.94	178.41	202.21 -4359.45	-24.00	2280.83
E11	Element: 1539 Node: 674	12.500 51.000 0.000	UGT-Set B/145	3.59 -19.37	19.00	11.48	17.02	58.94	-5615.20 -27110.83	59.35	10747.82
E11	Element: 1540 Node: 73624	12.500 44.500 1.700	UGT-Set B/27	0.48 -1.56	-18.37	1.02	1.35	-11.07	15389.83 -4468.44	-17.26	9929.14
E11	Element: 1536 Node: 673	12.500 44.500 0.000	UGT-Set B/146	4.39 -12.73	-18.61	8.56	15.50	-153.65	-5044.78 -27694.91	-58.50	11325.06
E11	Element: 1541 Node: 73631	12.500 47.750 3.400	UGT-Set B/147	8.79 -16.41	-44.68	12.60	16.16	30.78	783.88 407.59	35.26	188.15
E11	Element: 1541 Node: 73626	12.500 47.750 1.700	UGT-Set B/29	-0.10 -1.13	18.94	0.52	0.55	122.09	1326.48 -11733.00	-89.13	6529.74
E11	Element: 1542 Node: 73626	12.500 47.750 1.700	UGT-Set B/29	-0.10 -1.13	18.94	0.52	0.55	57.91	1326.48 -11733.00	89.13	6529.74
E11	Element: 1541 Node: 73631	12.500 47.750 3.400	UGT-Set B/148	14.11 -15.40	45.83	14.76	20.05	-179.05	68.71 -3.84	51.47	36.27
E11	Element: 1539 Node: 674	12.500 51.000 0.000	UGT-Set B/149	3.54 -19.40	18.86	11.47	17.09	59.21	10292.51 -16751.04	-2.63	13521.78
E12	Element: 1549 Node: 73642	12.500 58.250 3.400	UGT-Set B/137	-52.22 -87.65	-5.80	17.71	79.80	93.59	940.42 213.71	39.76	363.35
E12	Element: 1546 Node: 73639	12.500 59.875 0.000	UGT-Set B/150	594.59 -9.43	-77.11	302.01	588.13	105.46	-100.12 -1726.66	-7.73	813.27
E12	Element: 1547 Node:	12.500 59.875 0.000	UGT-Set B/151	5.71 -614.86	13.23	310.28	604.23	74.34	54.83 -15043.78	13.75	7549.31

Name	Mesh	Position [m]	Case	m_1 [kNm/m] m_2 [kNm/m]	α_b [deg]	m_{max} [kNm/m]	Q_{max} [kN/m]	β_b [deg]	n_1 [kN/m] n_2 [kN/m]	δ_m [deg]	Q_{max} [kN/m]
	73639										
E12	Element: 1549 Node: 73642	12.500 58.250 3.400	UGT-Set B/7	83.66 46.33	80.53	18.66	71.13	-91.16	62.05 -9.75	73.85	35.90
E12	Element: 1549 Node: 683	12.500 55.500 3.400	UGT-Set B/152	111.37 -52.47	-79.90	81.92	175.63	-34.68	119.31 -1073.24	5.55	596.27
E12	Element: 1551 Node: 684	12.500 61.000 3.400	UGT-Set B/153	105.68 -50.95	80.81	78.31	175.42	-148.94	1475.98 -9830.17	10.30	5653.08
E12	Element: 1545 Node: 73636	12.500 58.250 0.000	UGT-Set B/27	-0.05 -0.58	-28.44	0.27	0.54	-108.53	7.35 -492.20	-27.85	249.78
E12	Element: 1547 Node: 680	12.500 61.500 0.000	UGT-Set B/154	40.50 -612.77	12.57	326.64	639.31	65.27	-2809.41 -15329.40	17.01	6259.99
E12	Element: 1545 Node: 73638	12.500 58.250 1.700	UGT-Set B/27	-0.10 -0.88	-17.29	0.39	0.36	-118.03	4.35 -503.25	-27.20	253.80
E12	Element: 1544 Node: 679	12.500 55.000 0.000	UGT-Set B/155	540.40 -41.44	75.68	290.92	649.52	-67.82	-2201.73 -11634.79	-24.54	4716.53
E12	Element: 1545 Node: 73638	12.500 58.250 1.700	UGT-Set B/156	6.84 -19.15	-34.86	13.00	17.58	-179.62	200.46 -4349.51	-23.99	2274.98
E12	Element: 1545 Node: 73638	12.500 58.250 1.700	UGT-Set B/157	7.70 -19.91	-35.51	13.81	19.03	178.98	198.92 -4331.08	-23.99	2265.00
E12	Element: 1551 Node: 681	12.500 61.500 3.400	UGT-Set B/158	7.52 -9.67	37.47	8.59	3.77	98.52	1692.87 -10034.26	10.35	5863.56
E12	Element: 1547 Node: 680	12.500 61.500 0.000	UGT-Set B/158	19.34 -18.02	40.94	18.68	17.57	-33.16	-2945.42 -15833.40	17.28	6443.99
E12	Element: 1549 Node: 73642	12.500 58.250 3.400	UGT-Set B/159	7.01 -15.00	-44.68	11.01	14.48	36.16	870.40 343.00	39.00	263.70
E12	Element: 1549 Node: 73642	12.500 58.250 3.400	UGT-Set B/160	12.84 -12.64	-44.26	12.74	16.66	5.07	147.43 -28.54	-58.41	87.99
E12	Element: 1549 Node: 73642	12.500 58.250 3.400	UGT-Set B/161	0.10 -1.08	47.26	0.59	1.32	142.18	73.86 -60.58	80.47	67.22
E12	Element: 1549 Node: 73642	12.500 58.250 3.400	UGT-Set B/162	-47.38 -84.30	-9.01	18.46	72.59	89.63	65.05 -5.33	72.04	35.19
E12	Element: 1547 Node: 73639	12.500 59.875 0.000	UGT-Set B/158	12.20 -26.09	52.52	19.15	22.87	-24.86	149.32 -15596.35	13.83	7872.84
E13	Element: 1555 Node: 686	50.500 51.000 0.000	UGT-Set B/163	-10.30 -15.57	21.03	2.63	47.93	122.27	-2760.62 -15068.70	17.01	6154.04
E13	Element: 1552 Node: 685	50.500 44.500 0.000	UGT-Set B/164	48.79 1.14	69.13	23.83	46.93	-93.59	-2200.15 -11628.36	-24.54	4714.11

Name	Mesh	Position [m]	Case	m_1 [kNm/m] m_2 [kNm/m]	α_0 [deg]	m_{max} [kNm/m]	Q_{max} [kN/m]	β_0 [deg]	n_1 [kN/m] n_2 [kN/m]	θ_m [deg]	Q_{max} [kN/m]
E13	Element: 1552 Node: 685	50.500 44.500 0.000	UGT-Set B/165	-4.95 -28.93	-22.01	11.99	30.45	66.68	-256.76 -1352.57	-25.23	547.91
E13	Element: 1556 Node: 73644	50.500 45.563 1.700	UGT-Set B/166	20.59 7.44	81.29	6.58	19.72	-130.09	-544.33 -8554.74	-31.40	4005.21
E13	Element: 1559 Node: 690	50.500 50.500 3.400	UGT-Set B/163	18.28 -2.85	-85.08	10.56	16.61	93.49	1460.63 -9733.80	10.30	5597.22
E13	Element: 1558 Node: 73649	50.500 49.938 1.700	UGT-Set B/164	21.83 -2.62	85.84	12.23	19.56	-13.27	-527.73 -8037.83	-28.58	3755.05
E13	Element: 1557 Node: 73651	50.500 47.750 3.400	UGT-Set B/116	0.58 0.33	49.81	0.12	0.80	-118.53	925.59 -2155.82	-0.95	1540.70
E13	Element: 1554 Node: 73648	50.500 49.375 0.000	UGT-Set B/164	43.07 -7.13	-74.08	25.10	40.88	97.34	-80.67 -14777.25	-12.76	7348.29
E13	Element: 1557 Node: 73644	50.500 45.563 1.700	UGT-Set B/93	0.44 -0.37	11.92	0.41	0.22	-118.02	-6.20 -706.03	38.84	349.91
E13	Element: 1555 Node: 686	50.500 51.000 0.000	UGT-Set B/167	-10.26 -15.71	20.95	2.72	47.95	122.09	-2758.24 -15069.92	17.02	6155.84
E13	Element: 1554 Node: 73647	50.500 47.750 1.700	UGT-Set B/168	7.47 5.47	13.57	1.00	3.03	-176.92	115.66 -4270.29	23.12	2192.97
E13	Element: 1557 Node: 73647	50.500 47.750 1.700	UGT-Set B/164	18.48 -5.72	70.59	12.10	3.02	176.93	113.72 -4279.39	-23.07	2196.56
E13	Element: 1555 Node: 686	50.500 51.000 0.000	UGT-Set B/169	14.15 -4.70	-71.27	9.42	16.64	148.74	-5485.65 -26964.98	59.60	10739.66
E13	Element: 1556 Node: 73645	50.500 44.500 1.700	UGT-Set B/27	1.45 -0.37	-67.13	0.91	1.09	-134.09	15396.88 -4441.86	-17.25	9919.37
E13	Element: 1552 Node: 685	50.500 44.500 0.000	UGT-Set B/170	18.23 -3.51	70.26	10.87	19.19	-64.24	-4976.77 -27584.26	-58.65	11303.75
E13	Element: 1557 Node: 73651	50.500 47.750 3.400	UGT-Set B/171	6.69 1.98	52.17	2.35	9.81	-124.03	867.75 237.95	-37.02	314.90
E13	Element: 1557 Node: 73647	50.500 47.750 1.700	UGT-Set B/172	1.07 0.06	68.54	0.50	0.45	-127.63	1339.55 -11733.85	-89.16	6536.70
E13	Element: 1558 Node: 73647	50.500 47.750 1.700	UGT-Set B/172	1.05 0.07	69.42	0.49	0.45	-52.37	1339.55 -11733.85	89.16	6536.70
E13	Element: 1557 Node: 73651	50.500 47.750 3.400	UGT-Set B/173	0.93 -1.20	55.41	1.06	2.07	-141.74	58.45 -26.37	46.95	42.41
E13	Element: 1555	50.500 51.000	UGT-Set B/174	14.12 -4.70	-71.25	9.41	16.65	148.58	10357.60 -16544.32	-2.75	13450.96

Name	Mesh	Position [m]	Case	m_1 [kNm/m]	α_1 [deg]	$m_{1,max}$ [kNm/m]	Q_{max} [kN/m]	β_1 [deg]	n_1 [kN/m]	δ_1 [deg]	Q_{max} [kN/m]
				m_2 [kNm/m]					n_2 [kN/m]		
	Node: 686	0.000									
E14	Element: 1563 Node: 692	50.500 61.500 0.000	UGT-Set B/175	-10.30 -15.56	21.04	2.63	47.93	122.27	-2761.72 -15074.78	17.01	6156.53
E14	Element: 1560 Node: 691	50.500 55.000 0.000	UGT-Set B/176	48.79 1.14	69.13	23.83	46.93	-93.59	-2200.06 -11625.89	-24.55	4712.92
E14	Element: 1560 Node: 691	50.500 55.000 0.000	UGT-Set B/177	-4.94 -28.93	-22.02	11.99	30.45	66.68	-256.12 -1347.69	-25.28	545.78
E14	Element: 1564 Node: 73655	50.500 56.063 1.700	UGT-Set B/155	20.59 7.43	81.29	6.58	19.72	-130.10	-544.27 -8552.66	-31.41	4004.19
E14	Element: 1567 Node: 696	50.500 61.000 3.400	UGT-Set B/175	18.30 -2.85	-85.07	10.57	16.62	93.51	1460.82 -9737.02	10.30	5598.92
E14	Element: 1566 Node: 73663	50.500 60.438 1.700	UGT-Set B/176	21.83 -2.62	85.84	12.23	19.57	-13.27	-527.79 -8038.75	-28.58	3755.48
E14	Element: 1565 Node: 73666	50.500 58.250 3.400	UGT-Set B/178	0.65 0.38	54.72	0.13	0.89	-117.03	1982.76 -908.29	76.47	1445.53
E14	Element: 1562 Node: 73662	50.500 59.875 0.000	UGT-Set B/176	43.08 -7.13	-74.08	25.10	40.89	97.35	-81.39 -14777.26	-12.76	7347.93
E14	Element: 1565 Node: 73655	50.500 56.063 1.700	UGT-Set B/93	0.43 -0.38	12.64	0.40	0.22	-117.88	-9.99 -705.25	38.66	347.63
E14	Element: 1563 Node: 692	50.500 61.500 0.000	UGT-Set B/167	-10.27 -15.70	20.95	2.72	47.96	122.09	-2759.60 -15079.33	17.02	6159.86
E14	Element: 1562 Node: 73660	50.500 58.250 1.700	UGT-Set B/179	7.47 5.48	13.59	1.00	3.02	-176.93	114.95 -4270.54	23.11	2192.75
E14	Element: 1565 Node: 73660	50.500 58.250 1.700	UGT-Set B/176	18.49 -5.73	70.58	12.11	3.02	176.93	113.43 -4278.95	-23.06	2196.19
E14	Element: 1563 Node: 692	50.500 61.500 0.000	UGT-Set B/180	13.76 -4.61	-71.20	9.18	16.56	147.36	-5371.50 -27087.95	59.41	10858.22
E14	Element: 1564 Node: 73656	50.500 55.000 1.700	UGT-Set B/27	1.56 -0.31	-71.66	0.94	1.26	-137.15	15439.86 -4482.26	-17.42	9961.06
E14	Element: 1560 Node: 691	50.500 55.000 0.000	UGT-Set B/181	18.06 -3.46	70.26	10.76	19.01	-64.35	-4894.31 -27665.63	-58.55	11385.66
E14	Element: 1565 Node: 73666	50.500 58.250 3.400	UGT-Set B/182	6.67 1.98	52.18	2.34	9.77	-124.00	867.73 238.09	-37.05	314.82
E14	Element: 1567 Node: 73664	50.500 61.500 1.700	UGT-Set B/180	15.68 -4.41	-73.04	10.04	14.10	8.51	-3354.58 -21840.60	-81.80	9243.01
E14	Element: 1565 Node:	50.500 58.250 3.400	UGT-Set B/183	6.43 3.56	50.11	1.43	8.76	-119.13	2312.00 -164.30	82.69	1238.15

Name	Mesh	Position [m]	Case	m_1 [kNm/m]	α_0 [deg]	m_{max} [kNm/m]	Q_{max} [kN/m]	β_0 [deg]	n_1 [kN/m]	α_m [deg]	Q_{max} [kN/m]
				m_2 [kNm/m]					n_2 [kN/m]		
	73666										
E14	Element: 1565 Node: 73666	50.500 58.250 3.400	UGT-Set B/184	0.12 -6.61	85.19	3.37	3.15	97.59	81.85 -33.98	-61.42	57.92
E14	Element: 1563 Node: 692	50.500 61.500 0.000	UGT-Set B/185	14.31 -4.74	-71.30	9.52	16.68	149.21	10367.93 -16559.58	-2.98	13463.75
E15	Element: 1688 Node: 73730	54.750 53.000 -0.500	UGT-Set B/186	-216.96 -945.29	7.32	364.17	172.10	-177.71	3.95 0.30	88.96	1.83
E15	Element: 1804 Node: 73674	49.750 46.357 -0.500	UGT-Set B/187	3645.57 712.04	-0.78	1466.76	1876.11	-1.24	18.51 -20.01	-46.63	19.26
E15	Element: 1788 Node: 784	50.500 53.270 -0.500	UGT-Set B/188	200.88 -2645.11	0.32	1422.99	921.20	87.09	3.76 -1.52	86.83	2.64
E15	Element: 1804 Node: 73674	49.750 46.357 -0.500	UGT-Set B/189	3634.15 736.28	-1.82	1448.94	1719.37	-0.11	17.75 -19.16	-46.62	18.45
E15	Element: 1623 Node: 761	50.230 58.250 -0.500	UGT-Set B/190	264.77 94.50	-89.97	85.14	198.77	125.89	10.67 -11.89	43.42	11.28
E15	Element: 1572 Node: 717	53.980 60.950 -0.500	UGT-Set B/191	0.00 0.00	33.60	0.00	0.00	-13.60	0.00 0.00	-18.69	0.00
E15	Element: 1808 Node: 787	51.250 51.000 -0.500	UGT-Set B/192	2218.13 -1665.89	-4.13	1942.01	1546.31	167.14	18.98 -10.20	62.55	14.59
E15	Element: 1588 Node: 778	50.500 44.780 -0.500	UGT-Set B/193	4.65 -1.16	90.00	2.91	0.00	0.00	-1.33 -3.75	0.00	1.21
E15	Element: 1799 Node: 73667	49.750 50.071 -0.500	UGT-Set B/189	3334.27 -214.94	3.29	1774.61	2125.63	-13.79	10.54 -11.36	-55.10	10.95
E15	Element: 1692 Node: 722	54.250 55.280 -0.500	UGT-Set B/194	198.08 -844.51	-6.29	521.30	176.90	-180.00	13.36 -3.33	73.31	8.35
E15	Element: 1580 Node: 751	47.020 53.000 -0.500	UGT-Set B/6	30.93 -68.64	0.00	49.78	46.40	180.00	1.32 0.11	-86.91	0.60
E15	Element: 1717 Node: 789	51.250 61.500 -0.500	UGT-Set B/195	2366.41 54.25	0.70	1156.08	1123.06	146.05	-8.32 -23.62	60.69	7.65
E15	Element: 1830 Node: 73696	50.500 55.000 -0.500	UGT-Set B/196	45.14 -2392.54	-4.14	1218.84	891.75	-88.24	29.13 -3.97	68.11	16.55
E15	Element: 1663 Node: 73715	51.917 44.000 -0.500	UGT-Set B/197	1831.32 -14.95	-0.45	923.13	666.62	100.38	-0.08 -35.04	-88.30	17.48
E15	Element: 1757 Node: 73773	46.250 47.000 -0.500	UGT-Set B/198	90.94 -46.10	-39.62	68.52	336.18	-97.14	4.95 4.10	-8.14	0.43
E15	Element: 1582 Node: 782	50.500 52.730 -0.500	UGT-Set B/199	19.09 -339.41	0.00	179.25	59.79	90.00	13.11 0.55	-90.00	6.28
E15	Element: 1583	50.500 60.680	UGT-Set B/191	13.46 -0.64	90.00	7.05	6.42	-90.00	-1.03 -1.19	90.00	0.08

Name	Mesh	Position [m]	Case	m_1 [kNm/m] m_2 [kNm/m]	α_b [deg]	m_{maxb} [kNm/m]	Q_{maxb} [kN/m]	β_b [deg]	n_1 [kN/m] n_2 [kN/m]	δ_m [deg]	Q_{maxm} [kN/m]
	Node: 758	-0.500									
E15	Element: 1577 Node: 738	54.250 47.480 -0.500	UGT-Set B/200	0.00 0.00	5.92	0.00	0.00	-111.53	0.00 0.00	32.67	0.00
E15	Element: 1804 Node: 73674	49.750 46.357 -0.500	UGT-Set B/196	3396.92 689.45	-1.90	1353.73	1581.45	0.11	17.17 -25.07	47.49	21.12
E16	Element: 2032 Node: 73932	16.750 53.000 -0.500	UGT-Set B/201	-222.23 -929.81	7.64	353.79	174.74	-177.67	16.98 1.79	-89.89	7.59
E16	Element: 2066 Node: 73891	11.750 60.571 -0.500	UGT-Set B/137	3483.51 131.89	1.82	1675.81	1742.50	-11.65	-1.89 -31.14	-84.25	14.63
E16	Element: 2134 Node: 928	12.500 53.270 -0.500	UGT-Set B/188	306.25 -2609.44	4.55	1457.85	1134.35	86.75	4.33 -1.33	87.43	2.83
E16	Element: 2057 Node: 74058	14.063 60.828 -0.500	UGT-Set B/202	2091.49 307.92	0.62	891.79	1538.92	-179.56	18.45 -15.73	-38.87	17.09
E16	Element: 1988 Node: 949	10.355 56.900 -0.500	UGT-Set B/203	62.94 -0.02	-89.99	31.48	945.11	11.02	-1.27 -5.89	-89.12	2.31
E16	Element: 1922 Node: 885	15.980 60.950 -0.500	UGT-Set B/6	0.00 0.00	33.64	0.00	0.00	-12.34	0.00 0.00	-18.55	0.00
E16	Element: 2173 Node: 935	11.750 55.000 -0.500	UGT-Set B/158	1610.65 -2262.55	-3.62	1936.60	885.23	-55.92	24.35 -10.11	67.70	17.23
E16	Element: 1913 Node: 851	9.020 47.750 -0.500	UGT-Set B/7	26.58 3.32	90.00	11.63	0.00	0.00	5.15 -0.08	-89.43	2.62
E16	Element: 2159 Node: 73882	13.250 48.214 -0.500	UGT-Set B/195	3244.44 265.75	-0.21	1489.35	2082.26	-173.00	8.07 -14.83	47.86	11.45
E16	Element: 2186 Node: 73903	13.250 59.643 -0.500	UGT-Set B/162	320.69 19.60	-0.79	150.55	172.35	-179.94	24.01 0.72	-7.31	11.64
E16	Element: 1928 Node: 907	12.770 50.450 -0.500	UGT-Set B/29	6.60 -72.85	0.00	39.73	12.96	180.00	0.41 -0.03	80.67	0.22
E16	Element: 2129 Node: 893	15.980 53.000 -0.500	UGT-Set B/204	39.11 -289.63	-1.46	164.37	75.69	129.53	-14.36 -17.68	-86.83	1.66
E16	Element: 2034 Node: 73933	16.750 54.000 -0.500	UGT-Set B/205	-64.86 -2090.10	0.20	1012.62	260.21	49.16	35.03 -1.21	89.54	18.12
E16	Element: 2007 Node: 73917	13.917 44.000 -0.500	UGT-Set B/158	1847.71 -15.13	-0.45	931.42	673.19	100.48	-0.02 -33.42	-87.58	16.70
E16	Element: 2129 Node: 893	15.980 53.000 -0.500	UGT-Set B/177	170.76 -1121.76	-14.91	646.26	208.80	45.83	14.51 13.89	11.10	0.31
E16	Element: 2032 Node: 73932	16.750 53.000 -0.500	UGT-Set B/205	-219.20 -985.76	5.46	383.28	180.21	-177.64	17.06 1.79	-89.91	7.64
E16	Element:	12.500	UGT-Set	13.84	90.00	8.24	6.05	-90.00	-0.73	90.00	0.01

Name	Mesh	Position [m]	Case	m_1 [kNm/m] m_2 [kNm/m]	α_b [deg]	m_{max} [kNm/m]	Q_{max} [kN/m]	β_b [deg]	n_1 [kN/m] n_2 [kN/m]	δ_m [deg]	Q_{max} [kN/m]
	1927 Node: 902	60.680 -0.500	B/6	-2.64					-0.75		
E16	Element: 1914 Node: 854	8.750 44.780 -0.500	UGT-Set B/7	0.00 0.00	-20.16	0.00	0.00	-61.89	0.00 0.00	40.77	0.00
E16	Element: 2030 Node: 73931	16.750 52.000 -0.500	UGT-Set B/206	-25.19 -1977.22	3.76	976.01	497.73	-36.02	33.13 -4.16	-87.80	18.65
E41	Element: 73778 Node: 1095	8.000 5.250 -0.500	UGT-Set B/207	-26.67 -51.57	-57.39	12.45	178.65	-125.25	6.27 1.78	-70.10	2.24
E41	Element: 73778 Node: 1093	8.250 4.250 -0.500	UGT-Set B/208	77.88 3.58	-45.05	37.15	140.89	-47.16	-0.53 -4.25	5.44	1.86
E41	Element: 73778 Node: 1093	8.250 4.250 -0.500	UGT-Set B/209	42.99 -235.36	25.22	139.17	140.62	142.38	7.97 0.99	-84.56	3.49
E41	Element: 73778 Node: 1094	8.000 4.250 -0.500	UGT-Set B/210	52.73 17.79	-32.68	17.47	174.48	-56.63	6.55 1.86	70.10	2.34
E41	Element: 73778 Node: 1095	8.000 5.250 -0.500	UGT-Set B/211	-6.16 -13.77	59.43	3.80	68.69	-123.56	0.38 0.11	-70.10	0.14
E41	Element: 73778 Node: 1095	8.000 5.250 -0.500	UGT-Set B/212	3.39 -2.65	-30.29	3.02	7.77	71.26	-0.26 -0.92	19.90	0.33
E41	Element: 73778 Node: 1094	8.000 4.250 -0.500	UGT-Set B/213	14.66 -202.43	31.25	108.55	203.71	123.56	-2.16 -7.61	-19.90	2.73
E41	Element: 73778 Node: 1096	8.250 5.250 -0.500	UGT-Set B/211	-1.33 -16.61	-80.15	7.64	45.62	-146.34	-0.13 -1.05	-5.44	0.46
E41	Element: 73778 Node: 1093	8.250 4.250 -0.500	UGT-Set B/214	55.94 -199.74	21.55	127.84	55.13	165.14	7.22 0.90	-84.56	3.16
E41	Element: 73778 Node: 1093	8.250 4.250 -0.500	UGT-Set B/210	66.84 5.02	-38.11	30.91	144.80	-48.48	-2.26 -18.15	5.44	7.95
E41	Element: 73778 Node: 1096	8.250 5.250 -0.500	UGT-Set B/210	-10.55 -72.60	-51.06	31.03	150.19	-133.79	-2.26 -18.15	-5.44	7.95
E41	Element: 73778 Node: 1093	8.250 4.250 -0.500	UGT-Set B/215	37.57 -220.33	25.48	128.95	143.94	140.81	21.84 2.72	-84.56	9.56
E41	Element: 73778 Node: 1093	8.250 4.250 -0.500	UGT-Set B/216	31.99 -166.21	23.40	99.10	89.94	139.28	3.55 0.44	-84.56	1.56
E41	Element: 73778 Node: 1096	8.250 5.250 -0.500	UGT-Set B/217	43.60 -158.57	-27.48	101.09	25.06	-96.82	1.16 0.14	84.56	0.51
E41	Element: 73778 Node: 1094	8.000 4.250 -0.500	UGT-Set B/8	35.58 -121.11	25.57	78.35	9.27	117.43	-0.04 -0.13	-19.91	0.05
E41	Element: 73778 Node: 1096	8.250 5.250 -0.500	UGT-Set B/215	70.67 -102.10	-19.40	86.38	137.75	41.32	21.84 2.72	84.56	9.56
E42	Element: 73779 Node: 1100	8.250 11.000 -0.500	UGT-Set B/218	1074.51 -220.81	67.55	647.66	477.67	58.74	-0.63 -5.04	-5.44	2.21
E42	Element: 73779 Node: 1100	8.250 11.000 -0.500	UGT-Set B/214	536.18 -2221.59	-22.73	1378.88	600.26	-130.77	12.24 1.52	84.56	5.36
E42	Element: 73779	8.000 11.000	UGT-Set B/219	329.26 -50.72	59.80	189.99	32.22	-32.96	17.36 4.93	-70.10	6.22

Name	Mesh	Position [m]	Case	m_1 [kNm/m] m_2 [kNm/m]	α_b [deg]	m_{max} [kNm/m]	Q_{max} [kN/m]	β_b [deg]	n_1 [kN/m] n_2 [kN/m]	θ_m [deg]	Q_{max} [kN/m]
	Node: 1099	-0.500									
E42	Element: 73779 Node: 1097	8.250 10.000 -0.500	UGT-Set B/220	702.30 -323.80	-67.89	513.05	485.44	121.93	-0.62 -5.01	5.44	2.19
E42	Element: 73779 Node: 1098	8.000 10.000 -0.500	UGT-Set B/221	22.58 -98.47	32.20	60.52	23.99	-71.42	-0.08 -0.28	-19.90	0.10
E42	Element: 73779 Node: 1097	8.250 10.000 -0.500	UGT-Set B/27	37.31 -118.13	21.99	77.72	8.12	19.76	0.79 0.10	-84.56	0.35
E42	Element: 73779 Node: 1099	8.000 11.000 -0.500	UGT-Set B/222	268.74 -1931.62	-30.55	1100.18	674.75	-125.61	-1.25 -4.40	19.90	1.58
E42	Element: 73779 Node: 1098	8.000 10.000 -0.500	UGT-Set B/223	344.53 -69.42	-58.41	206.97	38.97	-176.87	1.07 0.30	70.10	0.38
E42	Element: 73779 Node: 1100	8.250 11.000 -0.500	UGT-Set B/221	36.10 -124.89	-23.08	80.50	13.99	168.68	0.79 0.10	84.56	0.35
E42	Element: 73779 Node: 1097	8.250 10.000 -0.500	UGT-Set B/219	315.68 -120.75	-66.84	218.22	158.84	102.03	-5.99 -48.13	5.44	21.07
E42	Element: 73779 Node: 1100	8.250 11.000 -0.500	UGT-Set B/219	407.62 -92.40	68.90	250.01	157.69	80.13	-5.99 -48.13	-5.44	21.07
E42	Element: 73779 Node: 1097	8.250 10.000 -0.500	UGT-Set B/213	465.47 -1341.91	22.06	903.69	258.14	-51.37	55.29 6.88	-84.56	24.21
E42	Element: 73779 Node: 1097	8.250 10.000 -0.500	UGT-Set B/8	270.07 -832.94	21.74	551.51	82.06	-6.52	3.08 0.38	-84.56	1.35
E42	Element: 73779 Node: 1099	8.000 11.000 -0.500	UGT-Set B/221	19.04 -110.95	-31.22	64.99	26.56	-121.11	-0.08 -0.28	19.90	0.10
E42	Element: 73779 Node: 1100	8.250 11.000 -0.500	UGT-Set B/213	407.44 -1554.39	-22.50	980.92	264.49	-130.32	55.29 6.88	84.56	24.21
E43	Element: 73780 Node: 1102	8.000 14.750 -0.500	UGT-Set B/217	-12.28 -83.38	41.02	35.55	251.44	126.85	-0.72 -2.54	-19.90	0.91
E43	Element: 73780 Node: 1101	8.250 14.750 -0.500	UGT-Set B/224	219.96 -31.43	-64.69	125.69	122.95	-52.42	-0.47 -3.76	5.44	1.64
E43	Element: 73780 Node: 1101	8.250 14.750 -0.500	UGT-Set B/225	38.96 -295.38	27.10	167.17	269.13	129.68	14.25 1.77	-84.56	6.24
E43	Element: 73780 Node: 1103	8.000 15.750 -0.500	UGT-Set B/226	51.70 11.88	-74.10	19.91	118.28	55.74	-0.51 -1.81	19.90	0.65
E43	Element: 73780 Node: 1103	8.000 15.750 -0.500	UGT-Set B/217	77.93 45.12	78.42	16.41	245.58	55.01	-0.72 -2.54	19.90	0.91
E43	Element: 73780 Node: 1103	8.000 15.750 -0.500	UGT-Set B/30	6.55 3.89	-41.13	1.33	28.78	60.42	-0.56 -1.97	19.90	0.71
E43	Element: 73780 Node: 1104	8.250 15.750 -0.500	UGT-Set B/227	4.02 -0.10	68.96	2.06	6.09	90.27	-0.42 -3.41	-5.44	1.49
E43	Element: 73780 Node: 1102	8.000 14.750 -0.500	UGT-Set B/228	2.82 -213.62	33.64	108.22	308.77	125.77	-1.91 -6.72	-19.90	2.41
E43	Element: 73780 Node: 1101	8.250 14.750 -0.500	UGT-Set B/229	-0.83 -12.59	43.59	5.88	25.66	135.96	1.35 0.17	-84.56	0.59
E43	Element:	8.000	UGT-Set	67.20	-41.00	68.96	191.00	56.85	-5.92	19.90	7.47

Name	Mesh	Position [m]	Case	m_1 [kNm/m] m_2 [kNm/m]	α_b [deg]	m_{max} [kNm/m]	Q_{max} [kN/m]	β_b [deg]	n_1 [kN/m] n_2 [kN/m]	δ_m [deg]	Q_{max} [kN/m]
	73780 Node: 1103	15.750 -0.500	B/213	-70.72					-20.86		
E43	Element: 73780 Node: 1104	8.250 15.750 -0.500	UGT-Set B/219	121.75 -41.43	68.24	81.59	25.09	-160.67	-5.89 -47.37	-5.44	20.74
E43	Element: 73780 Node: 1101	8.250 14.750 -0.500	UGT-Set B/213	44.34 -216.10	25.42	130.22	164.38	134.12	57.84 7.20	-84.56	25.32
E43	Element: 73780 Node: 1101	8.250 14.750 -0.500	UGT-Set B/230	8.94 -56.76	30.59	32.85	112.56	129.83	4.79 0.60	-84.56	2.10
E43	Element: 73780 Node: 1104	8.250 15.750 -0.500	UGT-Set B/231	104.91 -86.67	-17.91	95.79	263.12	52.00	14.14 1.76	84.56	6.19
E43	Element: 73780 Node: 1103	8.000 15.750 -0.500	UGT-Set B/232	0.07 -94.26	-37.05	47.17	120.18	-125.14	-0.08 -0.29	19.90	0.10
E43	Element: 73780 Node: 1104	8.250 15.750 -0.500	UGT-Set B/213	78.98 -81.43	-23.15	80.21	157.59	48.48	57.84 7.20	84.56	25.32
E44	Element: 73781 Node: 1108	8.250 21.500 -0.500	UGT-Set B/233	1395.11 -247.48	66.86	821.29	816.63	53.85	-1.94 -15.60	-5.44	6.83
E44	Element: 73781 Node: 1108	8.250 21.500 -0.500	UGT-Set B/234	398.81 -1832.73	-23.03	1115.77	708.05	-131.56	22.70 2.82	84.56	9.94
E44	Element: 73781 Node: 1105	8.250 20.500 -0.500	UGT-Set B/235	715.81 -423.03	-68.47	569.42	833.92	126.34	-1.72 -13.86	5.44	6.07
E44	Element: 73781 Node: 1108	8.250 21.500 -0.500	UGT-Set B/45	807.97 -148.19	67.58	478.08	455.02	61.11	48.70 6.06	84.56	21.32
E44	Element: 73781 Node: 1106	8.000 20.500 -0.500	UGT-Set B/7	7.71 -41.54	31.84	24.62	8.01	166.27	-5.69 -20.07	-19.90	7.19
E44	Element: 73781 Node: 1107	8.000 21.500 -0.500	UGT-Set B/29	11.23 -43.72	-33.04	27.47	4.08	28.68	-0.07 -0.24	19.90	0.09
E44	Element: 73781 Node: 1105	8.250 20.500 -0.500	UGT-Set B/236	717.63 -423.59	-68.47	570.61	833.96	126.35	-1.76 -14.11	5.44	6.18
E44	Element: 73781 Node: 1108	8.250 21.500 -0.500	UGT-Set B/237	393.31 -1810.91	-23.04	1102.11	701.93	-131.79	71.08 8.84	84.56	31.12
E44	Element: 73781 Node: 1106	8.000 20.500 -0.500	UGT-Set B/29	9.10 -51.52	31.58	30.31	9.85	168.53	-0.07 -0.24	-19.90	0.09
E44	Element: 73781 Node: 1105	8.250 20.500 -0.500	UGT-Set B/207	727.88 -422.88	-68.45	575.38	813.90	126.65	-7.96 -63.97	5.44	28.01
E44	Element: 73781 Node: 1108	8.250 21.500 -0.500	UGT-Set B/207	1373.28 -241.97	66.84	807.62	810.29	53.70	-7.96 -63.97	-5.44	28.01
E44	Element: 73781 Node: 1105	8.250 20.500 -0.500	UGT-Set B/237	549.44 -1236.56	21.69	893.00	695.31	-48.83	71.08 8.84	-84.56	31.12
E44	Element: 73781 Node: 1107	8.000 21.500 -0.500	UGT-Set B/238	67.58 -342.65	-30.93	205.11	28.66	-64.65	0.06 0.02	-70.10	0.02
E45	Element: 73782 Node: 1112	8.250 26.250 -0.500	UGT-Set B/239	-9.25 -72.01	-54.30	31.38	234.26	-132.29	8.99 1.12	84.56	3.94
E45	Element: 73782 Node: 1112	8.250 26.250 -0.500	UGT-Set B/240	214.33 -28.96	64.92	121.64	124.88	52.83	-0.38 -3.05	-5.44	1.33

Name	Mesh	Position [m]	Case	m_1 [kNm/m] m_2 [kNm/m]	α_b [deg]	m_{max} [kNm/m]	Q_{max} [kN/m]	β_b [deg]	n_1 [kN/m] n_2 [kN/m]	θ_m [deg]	Q_{max} [kN/m]
E45	Element: 73782 Node: 1112	8.250 26.250 -0.500	UGT-Set B/241	45.01 -312.01	-26.63	178.51	266.87	-129.35	13.41 1.67	84.56	5.87
E45	Element: 73782 Node: 1109	8.250 25.250 -0.500	UGT-Set B/242	58.31 -49.68	-78.19	54.00	134.78	134.17	-0.42 -3.36	5.44	1.47
E45	Element: 73782 Node: 1110	8.000 25.250 -0.500	UGT-Set B/243	64.00 41.42	79.75	11.29	236.75	-54.97	-0.58 -2.05	-19.90	0.73
E45	Element: 73782 Node: 1109	8.250 25.250 -0.500	UGT-Set B/6	1.24 0.74	26.50	0.25	5.44	-94.46	-0.39 -3.13	5.44	1.37
E45	Element: 73782 Node: 1111	8.000 26.250 -0.500	UGT-Set B/244	5.86 -226.38	-33.29	116.12	308.60	-125.90	-1.71 -6.03	19.90	2.16
E45	Element: 73782 Node: 1112	8.250 26.250 -0.500	UGT-Set B/245	0.67 -12.78	-38.12	6.73	19.42	-136.66	37.66 4.69	84.56	16.49
E45	Element: 73782 Node: 1110	8.000 25.250 -0.500	UGT-Set B/237	70.01 -80.30	40.33	75.15	194.75	-56.59	-5.87 -20.68	-19.90	7.40
E45	Element: 73782 Node: 1109	8.250 25.250 -0.500	UGT-Set B/207	106.54 -38.60	-68.44	72.57	34.08	150.10	-5.84 -46.95	5.44	20.56
E45	Element: 73782 Node: 1112	8.250 26.250 -0.500	UGT-Set B/237	47.94 -231.56	-25.27	139.75	170.53	-133.43	57.34 7.13	84.56	25.10
E45	Element: 73782 Node: 1109	8.250 25.250 -0.500	UGT-Set B/241	110.01 -105.39	18.77	107.70	260.66	-52.35	13.41 1.67	-84.56	5.87
E45	Element: 73782 Node: 1112	8.250 26.250 -0.500	UGT-Set B/246	43.47 -43.84	-13.58	43.65	92.15	46.14	1.37 0.17	84.56	0.60
E45	Element: 73782 Node: 1111	8.000 26.250 -0.500	UGT-Set B/247	182.02 -2.94	58.73	92.48	130.06	55.21	0.02 0.01	-70.13	0.01
E45	Element: 73782 Node: 1109	8.250 25.250 -0.500	UGT-Set B/237	84.15 -92.45	23.09	88.30	163.83	-49.11	57.34 7.13	-84.56	25.10
E46	Element: 73783 Node: 1116	8.250 32.000 -0.500	UGT-Set B/248	870.57 -149.99	66.28	510.28	530.82	48.26	-1.86 -14.97	-5.44	6.55
E46	Element: 73783 Node: 1116	8.250 32.000 -0.500	UGT-Set B/216	450.62 -2208.34	-23.42	1329.48	996.75	-134.94	19.50 2.43	84.56	8.54
E46	Element: 73783 Node: 1116	8.250 32.000 -0.500	UGT-Set B/4	240.76 4.04	63.00	118.36	374.56	49.18	-4.73 -37.99	-5.44	16.63
E46	Element: 73783 Node: 1116	8.250 32.000 -0.500	UGT-Set B/249	867.66 -148.43	66.29	508.05	532.87	48.44	-1.69 -13.60	-5.44	5.95
E46	Element: 73783 Node: 1114	8.000 31.000 -0.500	UGT-Set B/7	27.44 -79.20	33.91	53.32	69.31	-58.73	-3.83 -13.50	-19.90	4.84
E46	Element: 73783 Node: 1113	8.250 31.000 -0.500	UGT-Set B/221	43.72 -108.53	21.74	76.13	40.83	-40.95	0.36 0.04	-84.56	0.16
E46	Element: 73783 Node: 1115	8.000 32.000 -0.500	UGT-Set B/250	204.31 -1957.08	-30.16	1080.69	1261.23	-123.94	-1.86 -6.54	19.90	2.34
E46	Element: 73783 Node: 1116	8.250 32.000 -0.500	UGT-Set B/221	34.29 -145.65	-23.35	89.97	45.59	-144.06	0.36 0.04	84.56	0.16
E46	Element: 73783 Node: 1116	8.250 31.000 -0.500	UGT-Set B/251	343.07 -230.58	-69.38	286.82	484.68	132.64	-5.00 -40.15	5.44	17.58

Name	Mesh	Position [m]	Case	m_1 [kNm/m]	α_b [deg]	$m_{1,maxb}$ [kNm/m]	Q_{maxb} [kN/m]	β_b [deg]	n_1 [kN/m]	δ_m [deg]	Q_{maxm} [kN/m]
				m_2 [kNm/m]					n_2 [kN/m]		
	Node: 1113	-0.500									
E46	Element: 73783	8.250 32.000	UGT-Set B/251	740.38 -121.20	66.12	430.79	480.59	47.89	-5.00 -40.15	-5.44	17.58
	Node: 1116	-0.500									
E46	Element: 73783	8.250 31.000	UGT-Set B/252	633.99 -1289.57	21.23	961.78	939.67	-45.13	44.73 5.56	-84.56	19.58
	Node: 1113	-0.500									
E46	Element: 73783	8.000 32.000	UGT-Set B/221	16.95 -129.53	-30.56	73.24	65.72	-124.17	-0.04 -0.13	19.90	0.05
	Node: 1115	-0.500									
E46	Element: 73783	8.250 32.000	UGT-Set B/252	421.81 -2078.12	-23.45	1249.96	946.75	-135.30	44.73 5.56	84.56	19.58
	Node: 1116	-0.500									
E47	Element: 73784	8.000 35.750	UGT-Set B/207	-26.84 -48.61	60.67	10.88	177.08	125.14	6.26 1.78	70.10	2.24
	Node: 1118	-0.500									
E47	Element: 73784	8.250 36.750	UGT-Set B/233	78.49 2.57	45.76	37.96	137.66	46.83	-0.59 -4.73	-5.44	2.07
	Node: 1120	-0.500									
E47	Element: 73784	8.250 36.750	UGT-Set B/234	39.57 -219.29	-25.41	129.43	135.22	-141.90	10.87 1.35	84.56	4.76
	Node: 1120	-0.500									
E47	Element: 73784	8.000 36.750	UGT-Set B/207	56.23 16.65	36.09	19.79	173.66	56.50	6.26 1.78	-70.10	2.24
	Node: 1119	-0.500									
E47	Element: 73784	8.000 35.750	UGT-Set B/240	-5.09 -12.47	-60.25	3.69	63.16	123.36	0.56 0.16	70.10	0.20
	Node: 1118	-0.500									
E47	Element: 73784	8.000 35.750	UGT-Set B/253	3.30 -1.69	30.46	2.49	7.59	-70.61	-0.20 -0.70	-19.90	0.25
	Node: 1118	-0.500									
E47	Element: 73784	8.000 36.750	UGT-Set B/254	33.28 -107.55	-25.10	70.42	3.33	-123.15	-0.25 -0.88	19.90	0.31
	Node: 1119	-0.500									
E47	Element: 73784	8.000 36.750	UGT-Set B/237	13.54 -189.00	-31.42	101.27	194.46	-123.76	-2.41 -8.48	19.90	3.04
	Node: 1119	-0.500									
E47	Element: 73784	8.250 36.750	UGT-Set B/216	51.42 -180.34	-21.30	115.88	47.84	-167.28	10.21 1.27	84.56	4.47
	Node: 1120	-0.500									
E47	Element: 73784	8.250 35.750	UGT-Set B/240	-0.41 -14.93	81.18	7.26	40.72	148.53	-0.19 -1.56	5.44	0.68
	Node: 1117	-0.500									
E47	Element: 73784	8.000 35.750	UGT-Set B/237	53.33 -74.18	36.19	63.75	189.09	-58.76	-2.41 -8.48	-19.90	3.04
	Node: 1118	-0.500									
E47	Element: 73784	8.250 35.750	UGT-Set B/207	-10.92 -67.55	54.06	28.32	147.00	133.90	-2.16 -17.35	5.44	7.60
	Node: 1117	-0.500									
E47	Element: 73784	8.250 36.750	UGT-Set B/237	35.28 -208.01	-25.67	121.65	139.97	-140.54	23.51 2.93	84.56	10.29
	Node: 1120	-0.500									
E47	Element: 73784	8.250 35.750	UGT-Set B/255	-9.06 -86.15	42.52	38.55	147.13	132.88	0.72 0.09	-84.56	0.32
	Node: 1117	-0.500									
E47	Element: 73784	8.250 36.750	UGT-Set B/256	27.35 -181.08	-25.82	104.22	136.86	-138.41	5.41 0.67	84.56	2.37
	Node: 1120	-0.500									
E47	Element: 73784	8.000 36.750	UGT-Set B/257	26.11 7.41	5.17	9.35	98.37	55.28	0.12 0.03	-70.10	0.04
	Node: 1119	-0.500									
E47	Element: 73784	8.250 35.750	UGT-Set B/237	67.30 -93.89	19.47	80.60	132.41	-42.21	23.51 2.93	-84.56	10.29
	Node: 1117	-0.500									
E48	Element:	8.000	UGT-Set	-60.47	-63.52	27.88	421.07	-125.81	-0.71	19.90	0.90

Name	Mesh	Position [m]	Case	m_1 [kNm/m] m_2 [kNm/m]	α_b [deg]	m_{t-max} [kNm/m]	Q_{max} [kN/m]	β_b [deg]	n_1 [kN/m] n_2 [kN/m]	δ_m [deg]	Q_{max} [kN/m]
	73785 Node: 1123	48.250 -0.500	B/202	-116.23					-2.52		
E48	Element: 73785 Node: 1122	8.000 47.250 -0.500	UGT-Set B/258	147.17 42.00	-38.57	52.59	411.04	-55.14	-0.41 -1.44	-19.90	0.52
E48	Element: 73785 Node: 1121	8.250 47.250 -0.500	UGT-Set B/259	65.85 -262.46	23.19	164.15	234.25	135.15	1.46 0.22	-83.16	0.62
E48	Element: 73785 Node: 1122	8.000 47.250 -0.500	UGT-Set B/202	140.99 44.39	-37.14	48.30	415.31	-55.30	-0.71 -2.52	-19.90	0.90
E48	Element: 73785 Node: 1123	8.000 48.250 -0.500	UGT-Set B/260	-55.72 -113.66	-63.68	28.97	391.35	-125.72	-0.13 -0.46	19.90	0.16
E48	Element: 73785 Node: 1121	8.250 47.250 -0.500	UGT-Set B/7	7.56 -15.90	27.52	11.73	11.49	-78.53	10.60 1.58	-83.16	4.51
E48	Element: 73785 Node: 1123	8.000 48.250 -0.500	UGT-Set B/7	3.48 -21.86	-31.73	12.67	12.45	-142.07	-1.32 -4.66	19.90	1.67
E48	Element: 73785 Node: 1121	8.250 47.250 -0.500	UGT-Set B/261	65.88 -262.30	23.17	164.09	233.35	135.17	1.51 0.22	-83.16	0.64
E48	Element: 73785 Node: 1123	8.000 48.250 -0.500	UGT-Set B/262	9.47 -155.09	-46.09	82.28	111.22	-131.58	-1.85 -6.51	19.90	2.33
E48	Element: 73785 Node: 1124	8.250 48.250 -0.500	UGT-Set B/162	5.73 -30.44	-24.66	18.09	20.07	-131.15	-1.53 -12.27	-5.44	5.37
E48	Element: 73785 Node: 1121	8.250 47.250 -0.500	UGT-Set B/227	7.35 1.54	86.15	2.90	30.11	-56.77	2.50 0.37	-83.16	1.07
E48	Element: 73785 Node: 1124	8.250 48.250 -0.500	UGT-Set B/263	96.99 -91.97	-18.26	94.48	223.77	45.01	1.65 0.21	84.56	0.72
E48	Element: 73785 Node: 1123	8.000 48.250 -0.500	UGT-Set B/221	3.49 -23.84	-31.92	13.66	15.40	-138.41	-0.03 -0.12	19.90	0.04
E48	Element: 73785 Node: 1124	8.250 48.250 -0.500	UGT-Set B/262	32.26 -191.41	-34.77	111.84	131.58	-124.13	18.04 2.24	84.56	7.90
E49	Element: 73786 Node: 1125	8.250 53.000 -0.500	UGT-Set B/158	570.31 -1341.92	21.46	956.12	562.72	-44.58	9.89 1.23	-84.56	4.33
E49	Element: 73786 Node: 1127	8.000 54.000 -0.500	UGT-Set B/188	211.25 -1708.02	-28.08	959.63	621.77	-129.20	1.12 -0.47	80.17	0.80
E49	Element: 73786 Node: 1126	8.000 53.000 -0.500	UGT-Set B/7	38.27 -132.61	33.08	85.44	73.87	-58.85	-2.97 -10.45	-19.90	3.74
E49	Element: 73786 Node: 1127	8.000 54.000 -0.500	UGT-Set B/264	128.50 -767.70	-29.54	448.10	179.54	53.61	0.61 -1.43	-9.83	1.02
E49	Element: 73786 Node: 1126	8.000 53.000 -0.500	UGT-Set B/138	253.49 -401.16	36.12	327.32	890.11	-56.51	-3.00 -10.59	-19.90	3.79
E49	Element: 73786 Node: 1126	8.000 53.000 -0.500	UGT-Set B/6	30.80 -138.83	32.65	84.81	45.62	-66.84	2.27 0.64	70.10	0.81
E49	Element: 73786 Node: 1128	8.250 54.000 -0.500	UGT-Set B/188	505.40 -1638.09	-24.02	1071.74	621.77	-129.20	1.17 0.33	70.10	0.42
E49	Element: 73786 Node: 1125	8.250 53.000 -0.500	UGT-Set B/6	52.26 -167.48	22.18	109.87	17.94	-0.13	-0.78 -6.29	5.44	2.76

Name	Mesh	Position [m]	Case	m_1 [kNm/m] m_2 [kNm/m]	α_b [deg]	m_{maxb} [kNm/m]	Q_{maxb} [kN/m]	β_b [deg]	n_1 [kN/m] n_2 [kN/m]	α_m [deg]	Q_{maxm} [kN/m]
E49	Element: 73786 Node: 1126	8.000 53.000 -0.500	UGT-Set B/265	280.61 -465.88	35.82	373.24	959.86	-56.42	-0.79 -2.79	-19.90	1.00
E49	Element: 73786 Node: 1127	8.000 54.000 -0.500	UGT-Set B/6	21.99 -177.21	-27.69	99.60	30.59	-136.66	0.92 -2.17	-9.83	1.55
E49	Element: 73786 Node: 1126	8.000 53.000 -0.500	UGT-Set B/266	156.42 -893.70	31.13	525.06	104.97	130.25	-0.29 -1.03	-19.90	0.37
E49	Element: 73786 Node: 1125	8.250 53.000 -0.500	UGT-Set B/267	69.96 -187.04	21.79	128.50	50.99	-37.88	-3.54 -28.47	5.44	12.46
E49	Element: 73786 Node: 1128	8.250 54.000 -0.500	UGT-Set B/29	58.87 -197.11	-23.72	127.99	68.60	-130.39	0.13 0.04	70.10	0.05
E49	Element: 73786 Node: 1125	8.250 53.000 -0.500	UGT-Set B/268	552.59 -1322.36	21.50	937.48	524.91	-43.86	32.07 3.99	-84.56	14.04
E50	Element: 73787 Node: 1130	8.000 57.750 -0.500	UGT-Set B/261	-62.09 -113.55	66.26	25.73	428.12	125.70	-0.42 -1.49	-19.90	0.53
E50	Element: 73787 Node: 1131	8.000 58.750 -0.500	UGT-Set B/269	153.79 41.11	39.91	56.34	417.35	55.24	-0.43 -1.53	19.90	0.55
E50	Element: 73787 Node: 1131	8.000 58.750 -0.500	UGT-Set B/202	16.02 -242.49	-33.05	129.26	283.95	-124.33	0.96 0.27	-70.10	0.34
E50	Element: 73787 Node: 1131	8.000 58.750 -0.500	UGT-Set B/259	148.38 43.75	38.91	52.31	422.44	55.41	-0.42 -1.49	19.90	0.54
E50	Element: 73787 Node: 1132	8.250 58.750 -0.500	UGT-Set B/6	9.40 1.25	88.43	4.07	32.31	57.80	1.65 0.34	79.40	0.66
E50	Element: 73787 Node: 1131	8.000 58.750 -0.500	UGT-Set B/221	6.52 -11.72	-37.77	9.12	13.83	61.60	-0.02 -0.08	19.90	0.03
E50	Element: 73787 Node: 1130	8.000 57.750 -0.500	UGT-Set B/259	-61.95 -113.14	66.69	25.60	428.19	125.69	-0.42 -1.49	-19.90	0.54
E50	Element: 73787 Node: 1132	8.250 58.750 -0.500	UGT-Set B/202	64.61 -240.30	-23.52	152.46	241.81	-132.35	-0.31 -1.52	-10.60	0.61
E50	Element: 73787 Node: 1130	8.000 57.750 -0.500	UGT-Set B/7	3.00 -20.97	32.18	11.99	15.65	137.82	-1.34 -4.72	-19.90	1.69
E50	Element: 73787 Node: 1129	8.250 57.750 -0.500	UGT-Set B/270	86.62 -74.75	17.80	80.68	202.34	-45.76	-1.61 -12.93	5.44	5.66
E50	Element: 73787 Node: 1129	8.250 57.750 -0.500	UGT-Set B/141	-26.17 -160.60	54.60	67.21	359.02	130.89	14.54 1.81	-84.56	6.37
E50	Element: 73787 Node: 1130	8.000 57.750 -0.500	UGT-Set B/221	3.10 -22.72	32.07	12.91	17.55	136.13	-0.02 -0.08	-19.90	0.03

Name	Combination key
UGT-Set B/1	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG143 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149
UGT-Set B/2	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG145 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/3	1.35*BG101 + 1.35*BG102 + 1.50*BG143 + 1.50*BG144 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/4	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG144 + 1.50*BG145 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/5	0.90*BG101 + 0.90*BG102 + 1.50*BG111 + 1.50*BG144 +

Name	Combination key
	1.50*BG145 + 1.50*BG151
UGT-Set B/6	0.90*BG101 + 0.90*BG102 + 1.50*BG124
UGT-Set B/7	0.90*BG101 + 0.90*BG102 + 1.50*BG121
UGT-Set B/8	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG144 + 1.50*BG145 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/9	1.20*BG101 + 1.20*BG102 + 1.50*BG111 + 1.50*BG151
UGT-Set B/10	0.90*BG101 + 0.90*BG102 + 1.50*BG121 + 1.50*BG144 + 1.50*BG145 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/11	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG143 + 1.50*BG146 + 1.50*BG149
UGT-Set B/12	0.90*BG101 + 0.90*BG102 + 1.50*BG121 + 1.50*BG144 + 1.50*BG145 + 1.50*BG147 + 1.50*BG151
UGT-Set B/13	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG143 + 1.50*BG146
UGT-Set B/14	0.90*BG101 + 0.90*BG102 + 1.50*BG122 + 1.50*BG143 + 1.50*BG144
UGT-Set B/15	0.90*BG101 + 0.90*BG102 + 1.50*BG121 + 1.50*BG143
UGT-Set B/16	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG143 + 1.50*BG144 + 1.50*BG145 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/17	0.90*BG101 + 0.90*BG102 + 1.50*BG121 + 1.50*BG143 + 1.50*BG144 + 1.50*BG145 + 1.50*BG149
UGT-Set B/18	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG146 + 1.50*BG147 + 1.50*BG151
UGT-Set B/19	0.90*BG101 + 0.90*BG102 + 1.50*BG111 + 1.50*BG144 + 1.50*BG145 + 1.50*BG149 + 1.50*BG151
UGT-Set B/20	0.90*BG101 + 0.90*BG102 + 1.50*BG111 + 1.50*BG143 + 1.50*BG144 + 1.50*BG145 + 1.50*BG149 + 1.50*BG151
UGT-Set B/21	0.90*BG101 + 0.90*BG102 + 1.50*BG112 + 1.50*BG143
UGT-Set B/22	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG143 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/23	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG146 + 1.50*BG147
UGT-Set B/24	0.90*BG101 + 0.90*BG102 + 1.50*BG122 + 1.50*BG143 + 1.50*BG144 + 1.50*BG145 + 1.50*BG149 + 1.50*BG151
UGT-Set B/25	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG146 + 1.50*BG147
UGT-Set B/26	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG143 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149
UGT-Set B/27	0.90*BG101 + 0.90*BG102 + 1.50*BG111
UGT-Set B/28	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG144 + 1.50*BG145 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/29	0.90*BG101 + 0.90*BG102 + 1.50*BG112
UGT-Set B/30	0.90*BG101 + 0.90*BG102 + 1.50*BG124 + 1.50*BG147
UGT-Set B/31	1.20*BG101 + 1.20*BG102 + 1.50*BG111 + 1.50*BG143 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149
UGT-Set B/32	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG143 + 1.50*BG145 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/33	0.90*BG101 + 0.90*BG102 + 1.50*BG121 + 1.50*BG143 + 1.50*BG144 + 1.50*BG146 + 1.50*BG149
UGT-Set B/34	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG145 + 1.50*BG147 + 1.50*BG151
UGT-Set B/35	0.90*BG101 + 0.90*BG102 + 1.50*BG112 + 1.50*BG145 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/36	0.90*BG101 + 0.90*BG102 + 1.50*BG111 + 1.50*BG143 + 1.50*BG144 + 1.50*BG149
UGT-Set B/37	0.90*BG101 + 0.90*BG102 + 1.50*BG111 + 1.50*BG143 + 1.50*BG144 + 1.50*BG146 + 1.50*BG149 + 1.50*BG151
UGT-Set B/38	0.90*BG101 + 0.90*BG102 + 1.50*BG111 + 1.50*BG143 + 1.50*BG144 + 1.50*BG146 + 1.50*BG149
UGT-Set B/39	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG145 + 1.50*BG147
UGT-Set B/40	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG143 + 1.50*BG144 + 1.50*BG146 + 1.50*BG149 + 1.50*BG151
UGT-Set B/41	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG145 +

Name	Combination key
	1.50*BG147
UGT-Set B/42	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG145 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149
UGT-Set B/43	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG143 + 1.50*BG144 + 1.50*BG145 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/44	0.90*BG101 + 0.90*BG102 + 1.50*BG124 + 1.50*BG145 + 1.50*BG147
UGT-Set B/45	0.90*BG101 + 0.90*BG102 + 1.50*BG121 + 1.50*BG144
UGT-Set B/46	1.20*BG101 + 1.20*BG102 + 1.50*BG111 + 1.50*BG145 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/47	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG144 + 1.50*BG147 + 1.50*BG151
UGT-Set B/48	0.90*BG101 + 0.90*BG102 + 1.50*BG121 + 1.50*BG143 + 1.50*BG145 + 1.50*BG146 + 1.50*BG149
UGT-Set B/49	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG143 + 1.50*BG144 + 1.50*BG145 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149
UGT-Set B/50	0.90*BG101 + 0.90*BG102 + 1.50*BG111 + 1.50*BG143 + 1.50*BG145 + 1.50*BG146 + 1.50*BG149
UGT-Set B/51	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG144 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/52	0.90*BG101 + 0.90*BG102 + 1.50*BG112 + 1.50*BG143 + 1.50*BG145 + 1.50*BG146 + 1.50*BG149 + 1.50*BG151
UGT-Set B/53	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG144 + 1.50*BG147 + 1.50*BG151
UGT-Set B/54	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG143 + 1.50*BG144 + 1.50*BG145 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/55	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG143 + 1.50*BG144 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/56	0.90*BG101 + 0.90*BG102 + 1.50*BG111 + 1.50*BG147
UGT-Set B/57	0.90*BG101 + 0.90*BG102 + 1.50*BG124 + 1.50*BG143 + 1.50*BG151
UGT-Set B/58	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG143 + 1.50*BG147
UGT-Set B/59	0.90*BG101 + 0.90*BG102 + 1.50*BG121 + 1.50*BG144 + 1.50*BG145 + 1.50*BG146 + 1.50*BG149
UGT-Set B/60	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG143 + 1.50*BG147 + 1.50*BG151
UGT-Set B/61	0.90*BG101 + 0.90*BG102 + 1.50*BG121 + 1.50*BG144 + 1.50*BG145 + 1.50*BG146 + 1.50*BG149 + 1.50*BG151
UGT-Set B/62	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG144 + 1.50*BG145 + 1.50*BG146 + 1.50*BG149 + 1.50*BG151
UGT-Set B/63	0.90*BG101 + 0.90*BG102 + 1.50*BG111 + 1.50*BG146 + 1.50*BG149
UGT-Set B/64	0.90*BG101 + 0.90*BG102 + 1.50*BG112 + 1.50*BG143 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/65	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG143 + 1.50*BG144 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/66	0.90*BG101 + 0.90*BG102 + 1.50*BG112 + 1.50*BG144 + 1.50*BG145 + 1.50*BG146 + 1.50*BG149
UGT-Set B/67	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG143 + 1.50*BG151
UGT-Set B/68	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG143 + 1.50*BG151
UGT-Set B/69	0.90*BG101 + 0.90*BG102 + 1.50*BG112 + 1.50*BG146
UGT-Set B/70	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG144 + 1.50*BG145 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149
UGT-Set B/71	1.20*BG101 + 1.20*BG102 + 1.50*BG111 + 1.50*BG143 + 1.50*BG144 + 1.50*BG145 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/72	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG143 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149
UGT-Set B/73	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG145 + 1.50*BG146 + 1.50*BG151
UGT-Set B/74	1.35*BG101 + 1.35*BG102 + 1.50*BG143 + 1.50*BG144 + 1.50*BG146 + 1.50*BG147 + 1.50*BG151

Name	Combination key
UGT-Set B/75	1.35*BG101 + 1.35*BG102 + 1.50*BG144 + 1.50*BG145 + 1.50*BG151
UGT-Set B/76	1.20*BG101 + 1.20*BG102 + 1.50*BG111 + 1.50*BG144 + 1.50*BG151
UGT-Set B/77	0.90*BG101 + 0.90*BG102 + 1.50*BG122 + 1.50*BG144 + 1.50*BG147 + 1.50*BG149
UGT-Set B/78	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG144 + 1.50*BG145 + 1.50*BG146 + 1.50*BG151
UGT-Set B/79	1.20*BG101 + 1.20*BG102 + 1.50*BG111
UGT-Set B/80	0.90*BG101 + 0.90*BG102 + 1.50*BG122 + 1.50*BG143 + 1.50*BG149
UGT-Set B/81	0.90*BG101 + 0.90*BG102 + 1.50*BG124 + 1.50*BG144 + 1.50*BG145 + 1.50*BG149 + 1.50*BG151
UGT-Set B/82	0.90*BG101 + 0.90*BG102 + 1.50*BG122 + 1.50*BG144 + 1.50*BG145 + 1.50*BG151
UGT-Set B/83	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG143 + 1.50*BG146
UGT-Set B/84	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG143 + 1.50*BG146 + 1.50*BG151
UGT-Set B/85	0.90*BG101 + 0.90*BG102 + 1.50*BG111 + 1.50*BG146 + 1.50*BG151
UGT-Set B/86	0.90*BG101 + 0.90*BG102 + 1.50*BG122 + 1.50*BG143 + 1.50*BG144 + 1.50*BG147 + 1.50*BG149
UGT-Set B/87	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG146 + 1.50*BG151
UGT-Set B/88	0.90*BG101 + 0.90*BG102 + 1.50*BG123 + 1.50*BG143 + 1.50*BG144 + 1.50*BG145 + 1.50*BG147 + 1.50*BG149
UGT-Set B/89	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG143 + 1.50*BG144 + 1.50*BG145 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149
UGT-Set B/90	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG146 + 1.50*BG149 + 1.50*BG151
UGT-Set B/91	0.90*BG101 + 0.90*BG102 + 1.50*BG112 + 1.50*BG147
UGT-Set B/92	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG146 + 1.50*BG151
UGT-Set B/93	0.90*BG101 + 0.90*BG102 + 1.50*BG122 + 1.50*BG149 + 1.50*BG151
UGT-Set B/94	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG143 + 1.50*BG144 + 1.50*BG146 + 1.50*BG149 + 1.50*BG151
UGT-Set B/95	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG143 + 1.50*BG145 + 1.50*BG146
UGT-Set B/96	0.90*BG101 + 0.90*BG102 + 1.50*BG111 + 1.50*BG143 + 1.50*BG144 + 1.50*BG145
UGT-Set B/97	0.90*BG101 + 0.90*BG102 + 1.50*BG112 + 1.50*BG144 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/98	0.90*BG101 + 0.90*BG102 + 1.50*BG122 + 1.50*BG143 + 1.50*BG144 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/99	1.20*BG101 + 1.20*BG102 + 1.50*BG111 + 1.50*BG143 + 1.50*BG145 + 1.50*BG146
UGT-Set B/100	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG145 + 1.50*BG151
UGT-Set B/101	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG145 + 1.50*BG151
UGT-Set B/102	0.90*BG101 + 0.90*BG102 + 1.50*BG123 + 1.50*BG143 + 1.50*BG144 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149
UGT-Set B/103	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG143 + 1.50*BG144 + 1.50*BG145 + 1.50*BG146
UGT-Set B/104	0.90*BG101 + 0.90*BG102 + 1.50*BG122 + 1.50*BG143 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149
UGT-Set B/105	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG143 + 1.50*BG144 + 1.50*BG145 + 1.50*BG146 + 1.50*BG149
UGT-Set B/106	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG145 + 1.50*BG149 + 1.50*BG151
UGT-Set B/107	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG143 + 1.50*BG145 + 1.50*BG146 + 1.50*BG151
UGT-Set B/108	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG144 + 1.50*BG145
UGT-Set B/109	1.20*BG101 + 1.20*BG102 + 1.50*BG111 + 1.50*BG143 +

Name	Combination key
	1.50*BG145 + 1.50*BG146 + 1.50*BG149
UGT-Set B/110	0.90*BG101 + 0.90*BG102 + 1.50*BG112 + 1.50*BG143 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/111	0.90*BG101 + 0.90*BG102 + 1.50*BG122 + 1.50*BG143 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/112	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG144 + 1.50*BG145 + 1.50*BG147
UGT-Set B/113	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG144 + 1.50*BG151
UGT-Set B/114	0.90*BG101 + 0.90*BG102 + 1.50*BG123 + 1.50*BG143 + 1.50*BG145 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149
UGT-Set B/115	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG144 + 1.50*BG149 + 1.50*BG151
UGT-Set B/116	0.90*BG101 + 0.90*BG102 + 1.50*BG112 + 1.50*BG151
UGT-Set B/117	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG144 + 1.50*BG151
UGT-Set B/118	0.90*BG101 + 0.90*BG102 + 1.50*BG124 + 1.50*BG151
UGT-Set B/119	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG144 + 1.50*BG145 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/120	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG144 + 1.50*BG149 + 1.50*BG151
UGT-Set B/121	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG143 + 1.50*BG144 + 1.50*BG146
UGT-Set B/122	0.90*BG101 + 0.90*BG102 + 1.50*BG111 + 1.50*BG143 + 1.50*BG145 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/123	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG144 + 1.50*BG145 + 1.50*BG149 + 1.50*BG151
UGT-Set B/124	0.90*BG101 + 0.90*BG102 + 1.50*BG111 + 1.50*BG143 + 1.50*BG146 + 1.50*BG147 + 1.50*BG151
UGT-Set B/125	0.90*BG101 + 0.90*BG102 + 1.50*BG112 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/126	0.90*BG101 + 0.90*BG102 + 1.50*BG121 + 1.50*BG143 + 1.50*BG145 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149
UGT-Set B/127	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG144 + 1.50*BG145 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/128	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG143 + 1.50*BG151
UGT-Set B/129	0.90*BG101 + 0.90*BG102 + 1.50*BG123 + 1.50*BG144 + 1.50*BG145 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149
UGT-Set B/130	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG143 + 1.50*BG144 + 1.50*BG145
UGT-Set B/131	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG143 + 1.50*BG144 + 1.50*BG146 + 1.50*BG149
UGT-Set B/132	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG143 + 1.50*BG145 + 1.50*BG151
UGT-Set B/133	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG143 + 1.50*BG144 + 1.50*BG149
UGT-Set B/134	0.90*BG101 + 0.90*BG102 + 1.50*BG112 + 1.50*BG144 + 1.50*BG145 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149
UGT-Set B/135	0.90*BG101 + 0.90*BG102 + 1.50*BG121 + 1.50*BG144 + 1.50*BG145 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149
UGT-Set B/136	1.20*BG101 + 1.20*BG102 + 1.50*BG111 + 1.50*BG143 + 1.50*BG144 + 1.50*BG146 + 1.50*BG149
UGT-Set B/137	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG141 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150 + 1.50*BG151
UGT-Set B/138	0.90*BG101 + 0.90*BG102 + 1.50*BG121 + 1.50*BG141 + 1.50*BG149
UGT-Set B/139	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG142 + 1.50*BG147 + 1.50*BG150 + 1.50*BG151
UGT-Set B/140	0.90*BG101 + 0.90*BG102 + 1.50*BG121 + 1.50*BG141 + 1.50*BG149 + 1.50*BG151
UGT-Set B/141	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG142 + 1.50*BG147 + 1.50*BG150
UGT-Set B/142	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150 + 1.50*BG151
UGT-Set B/143	0.90*BG101 + 0.90*BG102 + 1.50*BG111 + 1.50*BG141 +

Name	Combination key
	1.50*BG149
UGT-Set B/144	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG142 + 1.50*BG147 + 1.50*BG150
UGT-Set B/145	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150
UGT-Set B/146	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG141 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150 + 1.50*BG151
UGT-Set B/147	0.90*BG101 + 0.90*BG102 + 1.50*BG124 + 1.50*BG142 + 1.50*BG147 + 1.50*BG150
UGT-Set B/148	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG141 + 1.50*BG149 + 1.50*BG151
UGT-Set B/149	1.20*BG101 + 1.20*BG102 + 1.50*BG111 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150
UGT-Set B/150	0.90*BG101 + 0.90*BG102 + 1.50*BG121 + 1.50*BG142 + 1.50*BG149
UGT-Set B/151	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG141 + 1.50*BG147 + 1.50*BG150 + 1.50*BG151
UGT-Set B/152	0.90*BG101 + 0.90*BG102 + 1.50*BG121 + 1.50*BG142 + 1.50*BG150
UGT-Set B/153	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG141 + 1.50*BG147 + 1.50*BG150
UGT-Set B/154	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG141 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150 + 1.50*BG151
UGT-Set B/155	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG141 + 1.50*BG150
UGT-Set B/156	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG141 + 1.50*BG142 + 1.50*BG149 + 1.50*BG150 + 1.50*BG151
UGT-Set B/157	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG141 + 1.50*BG150
UGT-Set B/158	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG141 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150 + 1.50*BG151
UGT-Set B/159	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG141 + 1.50*BG147 + 1.50*BG149
UGT-Set B/160	0.90*BG101 + 0.90*BG102 + 1.50*BG124 + 1.50*BG150
UGT-Set B/161	1.20*BG101 + 1.20*BG102 + 1.50*BG111 + 1.50*BG142
UGT-Set B/162	0.90*BG101 + 0.90*BG102 + 1.50*BG123
UGT-Set B/163	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG142 + 1.50*BG151
UGT-Set B/164	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG142 + 1.50*BG151
UGT-Set B/165	0.90*BG101 + 0.90*BG102 + 1.50*BG123 + 1.50*BG141 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150
UGT-Set B/166	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG142
UGT-Set B/167	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG141 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149
UGT-Set B/168	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG142 + 1.50*BG150 + 1.50*BG151
UGT-Set B/169	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG142 + 1.50*BG151
UGT-Set B/170	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG141 + 1.50*BG142 + 1.50*BG147 + 1.50*BG150
UGT-Set B/171	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG142 + 1.50*BG149 + 1.50*BG151
UGT-Set B/172	0.90*BG101 + 0.90*BG102 + 1.50*BG112 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150 + 1.50*BG151
UGT-Set B/173	0.90*BG101 + 0.90*BG102 + 1.50*BG122 + 1.50*BG149
UGT-Set B/174	1.20*BG101 + 1.20*BG102 + 1.50*BG111 + 1.50*BG142 + 1.50*BG149 + 1.50*BG151
UGT-Set B/175	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG141 + 1.50*BG151
UGT-Set B/176	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG141 + 1.50*BG151
UGT-Set B/177	0.90*BG101 + 0.90*BG102 + 1.50*BG123 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150
UGT-Set B/178	0.90*BG101 + 0.90*BG102 + 1.50*BG111 + 1.50*BG142
UGT-Set B/179	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG141 +

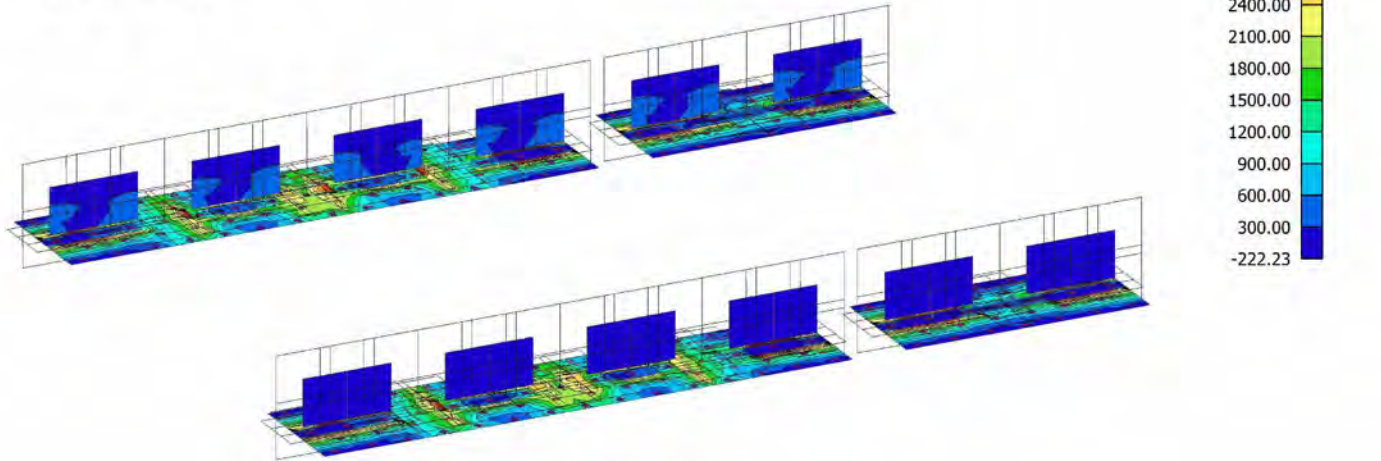
Name	Combination key
	1.50*BG150 + 1.50*BG151
UGT-Set B/180	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG141 + 1.50*BG142 + 1.50*BG149
UGT-Set B/181	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG141 + 1.50*BG150 + 1.50*BG151
UGT-Set B/182	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG141 + 1.50*BG142 + 1.50*BG149 + 1.50*BG151
UGT-Set B/183	1.20*BG101 + 1.20*BG102 + 1.50*BG111 + 1.50*BG141 + 1.50*BG150 + 1.50*BG151
UGT-Set B/184	0.90*BG101 + 0.90*BG102 + 1.50*BG121 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149
UGT-Set B/185	1.20*BG101 + 1.20*BG102 + 1.50*BG111 + 1.50*BG141 + 1.50*BG142 + 1.50*BG149
UGT-Set B/186	0.90*BG101 + 0.90*BG102 + 1.50*BG123 + 1.50*BG141 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150
UGT-Set B/187	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG142 + 1.50*BG150 + 1.50*BG151
UGT-Set B/188	1.35*BG101 + 1.35*BG102 + 1.50*BG141 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150 + 1.50*BG151
UGT-Set B/189	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG141 + 1.50*BG142 + 1.50*BG150 + 1.50*BG151
UGT-Set B/190	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG141 + 1.50*BG142 + 1.50*BG151
UGT-Set B/191	0.90*BG101 + 0.90*BG102 + 1.50*BG124 + 1.50*BG147 + 1.50*BG150
UGT-Set B/192	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG141 + 1.50*BG142 + 1.50*BG147 + 1.50*BG150 + 1.50*BG151
UGT-Set B/193	0.90*BG101 + 0.90*BG102 + 1.50*BG122 + 1.50*BG141 + 1.50*BG147 + 1.50*BG149
UGT-Set B/194	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG142 + 1.50*BG151
UGT-Set B/195	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG141 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150 + 1.50*BG151
UGT-Set B/196	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG141 + 1.50*BG142 + 1.50*BG147 + 1.50*BG150
UGT-Set B/197	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG141 + 1.50*BG142 + 1.50*BG150 + 1.50*BG151
UGT-Set B/198	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG141 + 1.50*BG142 + 1.50*BG150
UGT-Set B/199	0.90*BG101 + 0.90*BG102 + 1.50*BG124 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150
UGT-Set B/200	0.90*BG101 + 0.90*BG102 + 1.50*BG124 + 1.50*BG147 + 1.50*BG149
UGT-Set B/201	0.90*BG101 + 0.90*BG102 + 1.50*BG123 + 1.50*BG141 + 1.50*BG142
UGT-Set B/202	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG141 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/203	1.20*BG101 + 1.20*BG102 + 1.50*BG111 + 1.50*BG141 + 1.50*BG147 + 1.50*BG151
UGT-Set B/204	0.90*BG101 + 0.90*BG102 + 1.50*BG121 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150 + 1.50*BG151
UGT-Set B/205	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG141 + 1.50*BG142
UGT-Set B/206	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG141 + 1.50*BG142 + 1.50*BG149
UGT-Set B/207	0.90*BG101 + 0.90*BG102 + 1.50*BG123 + 1.50*BG144 + 1.50*BG145
UGT-Set B/208	0.90*BG101 + 0.90*BG102 + 1.50*BG122 + 1.50*BG144 + 1.50*BG145
UGT-Set B/209	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG143 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/210	0.90*BG101 + 0.90*BG102 + 1.50*BG123 + 1.50*BG144 + 1.50*BG145 + 1.50*BG149 + 1.50*BG151
UGT-Set B/211	0.90*BG101 + 0.90*BG102 + 1.50*BG122 + 1.50*BG143 + 1.50*BG145
UGT-Set B/212	0.90*BG101 + 0.90*BG102 + 1.50*BG122 + 1.50*BG143
UGT-Set B/213	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG143 +

Name	Combination key
	1.50*BG146 + 1.50*BG147 + 1.50*BG151
UGT-Set B/214	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG143 + 1.50*BG144 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/215	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG143 + 1.50*BG146 + 1.50*BG147
UGT-Set B/216	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG143 + 1.50*BG145 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/217	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG144 + 1.50*BG145 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/218	0.90*BG101 + 0.90*BG102 + 1.50*BG122 + 1.50*BG145
UGT-Set B/219	0.90*BG101 + 0.90*BG102 + 1.50*BG123 + 1.50*BG144 + 1.50*BG145 + 1.50*BG149
UGT-Set B/220	0.90*BG101 + 0.90*BG102 + 1.50*BG122 + 1.50*BG145 + 1.50*BG151
UGT-Set B/221	0.90*BG101 + 0.90*BG102
UGT-Set B/222	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG143 + 1.50*BG144 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149
UGT-Set B/223	0.90*BG101 + 0.90*BG102 + 1.50*BG122 + 1.50*BG143 + 1.50*BG144 + 1.50*BG145
UGT-Set B/224	0.90*BG101 + 0.90*BG102 + 1.50*BG122 + 1.50*BG143 + 1.50*BG145 + 1.50*BG149
UGT-Set B/225	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG144 + 1.50*BG146 + 1.50*BG147 + 1.50*BG151
UGT-Set B/226	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG143 + 1.50*BG144 + 1.50*BG145 + 1.50*BG146 + 1.50*BG149 + 1.50*BG151
UGT-Set B/227	0.90*BG101 + 0.90*BG102 + 1.50*BG122
UGT-Set B/228	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/229	1.20*BG101 + 1.20*BG102 + 1.50*BG131 + 1.50*BG147 + 1.50*BG149
UGT-Set B/230	0.90*BG101 + 0.90*BG102 + 1.50*BG122 + 1.50*BG143 + 1.50*BG144 + 1.50*BG145 + 1.50*BG146 + 1.50*BG151
UGT-Set B/231	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG144 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/232	0.90*BG101 + 0.90*BG102 + 1.50*BG122 + 1.50*BG143 + 1.50*BG144 + 1.50*BG151
UGT-Set B/233	0.90*BG101 + 0.90*BG102 + 1.50*BG124 + 1.50*BG144 + 1.50*BG145
UGT-Set B/234	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG143 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/235	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG144 + 1.50*BG145 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/236	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG144 + 1.50*BG145 + 1.50*BG147 + 1.50*BG151
UGT-Set B/237	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG143 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/238	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG143 + 1.50*BG144 + 1.50*BG145 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/239	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG143 + 1.50*BG144 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/240	0.90*BG101 + 0.90*BG102 + 1.50*BG124 + 1.50*BG144 + 1.50*BG146
UGT-Set B/241	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG143 + 1.50*BG145 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/242	0.90*BG101 + 0.90*BG102 + 1.50*BG124 + 1.50*BG144 + 1.50*BG145 + 1.50*BG146 + 1.50*BG151
UGT-Set B/243	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG143 + 1.50*BG144 + 1.50*BG145 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/244	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG143 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/245	0.90*BG101 + 0.90*BG102 + 1.50*BG121 + 1.50*BG147
UGT-Set B/246	0.90*BG101 + 0.90*BG102 + 1.50*BG124 + 1.50*BG145 +

Name	Combination key
	1.50*BG146
UGT-Set B/247	0.90*BG101 + 0.90*BG102 + 1.50*BG124 + 1.50*BG144 + 1.50*BG146 + 1.50*BG151
UGT-Set B/248	0.90*BG101 + 0.90*BG102 + 1.50*BG124 + 1.50*BG144
UGT-Set B/249	0.90*BG101 + 0.90*BG102 + 1.50*BG124 + 1.50*BG144 + 1.50*BG151
UGT-Set B/250	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG143 + 1.50*BG145 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149
UGT-Set B/251	0.90*BG101 + 0.90*BG102 + 1.50*BG123 + 1.50*BG144
UGT-Set B/252	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG143 + 1.50*BG145 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/253	0.90*BG101 + 0.90*BG102 + 1.50*BG124 + 1.50*BG146
UGT-Set B/254	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG143 + 1.50*BG144 + 1.50*BG145 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/255	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG144 + 1.50*BG145 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/256	0.90*BG101 + 0.90*BG102 + 1.50*BG124 + 1.50*BG143 + 1.50*BG146
UGT-Set B/257	0.90*BG101 + 0.90*BG102 + 1.50*BG145
UGT-Set B/258	0.90*BG101 + 0.90*BG102 + 1.50*BG122 + 1.50*BG141 + 1.50*BG149
UGT-Set B/259	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG142 + 1.50*BG147 + 1.50*BG150 + 1.50*BG151
UGT-Set B/260	0.90*BG101 + 0.90*BG102 + 1.50*BG141 + 1.50*BG149
UGT-Set B/261	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150 + 1.50*BG151
UGT-Set B/262	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG141 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150 + 1.50*BG151
UGT-Set B/263	0.90*BG101 + 0.90*BG102 + 1.50*BG124 + 1.50*BG142 + 1.50*BG150 + 1.50*BG151
UGT-Set B/264	0.90*BG101 + 0.90*BG102 + 1.50*BG124 + 1.50*BG142 + 1.50*BG151
UGT-Set B/265	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG141 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150
UGT-Set B/266	1.35*BG101 + 1.35*BG102 + 1.50*BG142 + 1.50*BG147 + 1.50*BG150 + 1.50*BG151
UGT-Set B/267	0.90*BG101 + 0.90*BG102 + 1.50*BG123 + 1.50*BG151
UGT-Set B/268	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG141 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150
UGT-Set B/269	0.90*BG101 + 0.90*BG102 + 1.50*BG124 + 1.50*BG142 + 1.50*BG150
UGT-Set B/270	0.90*BG101 + 0.90*BG102 + 1.50*BG123 + 1.50*BG141 + 1.50*BG149 + 1.50*BG151

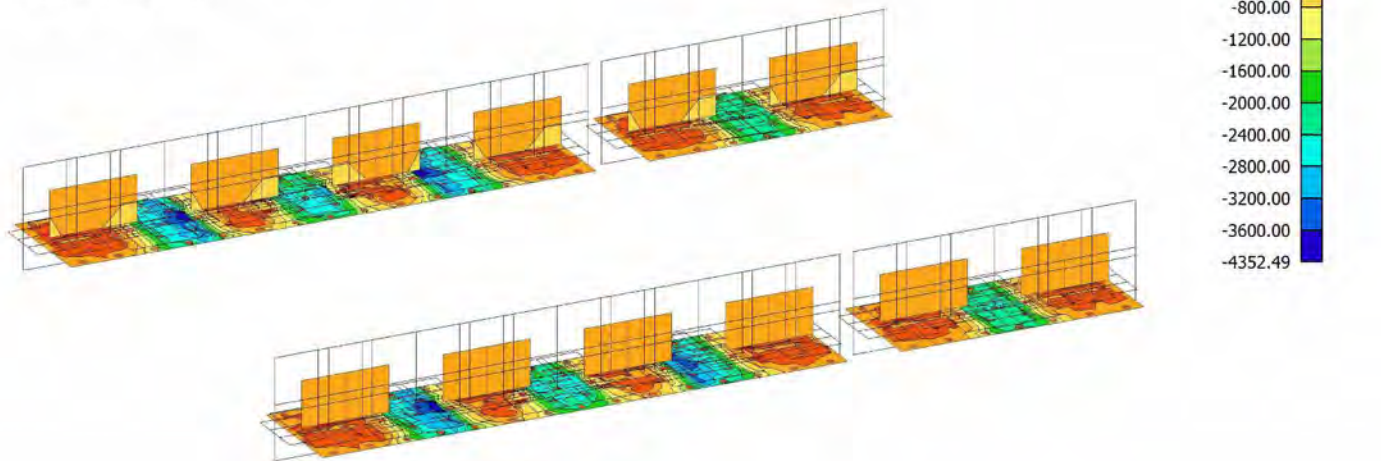
Resultaten - m_1

Values: **m₁**
 Linear calculation
 Class: Alle UGT
 Extreme: Member
 Selection: Named selection - Check
 Location: In nodes avg. on macro.
 System: LCS mesh element



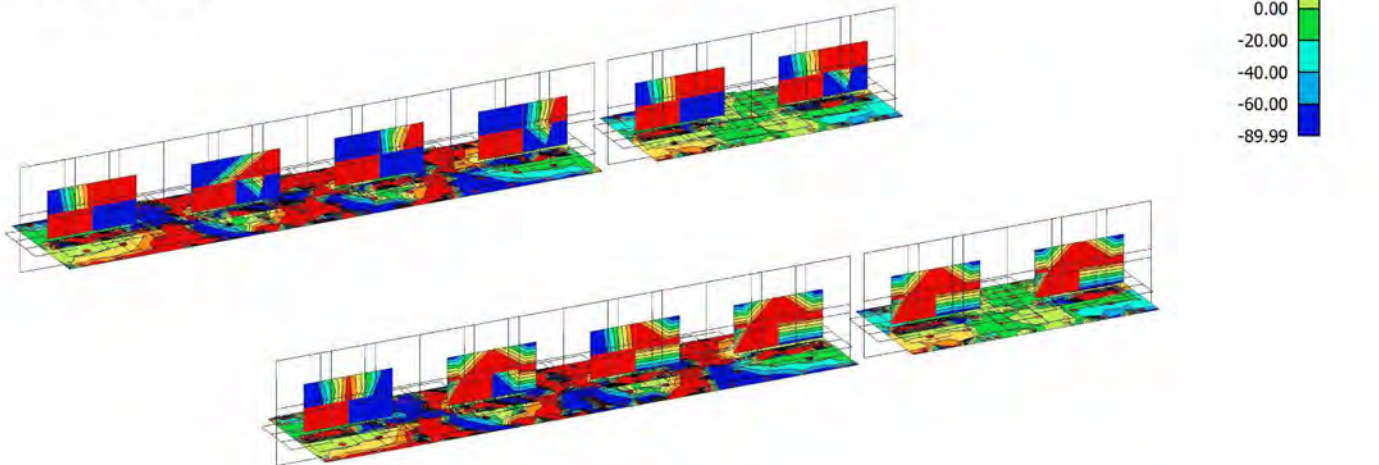
Resultaten - m_2

Values: **m₂**
 Linear calculation
 Class: Alle UGT
 Extreme: Member
 Selection: Named selection - Check
 Location: In nodes avg. on macro.
 System: LCS mesh element



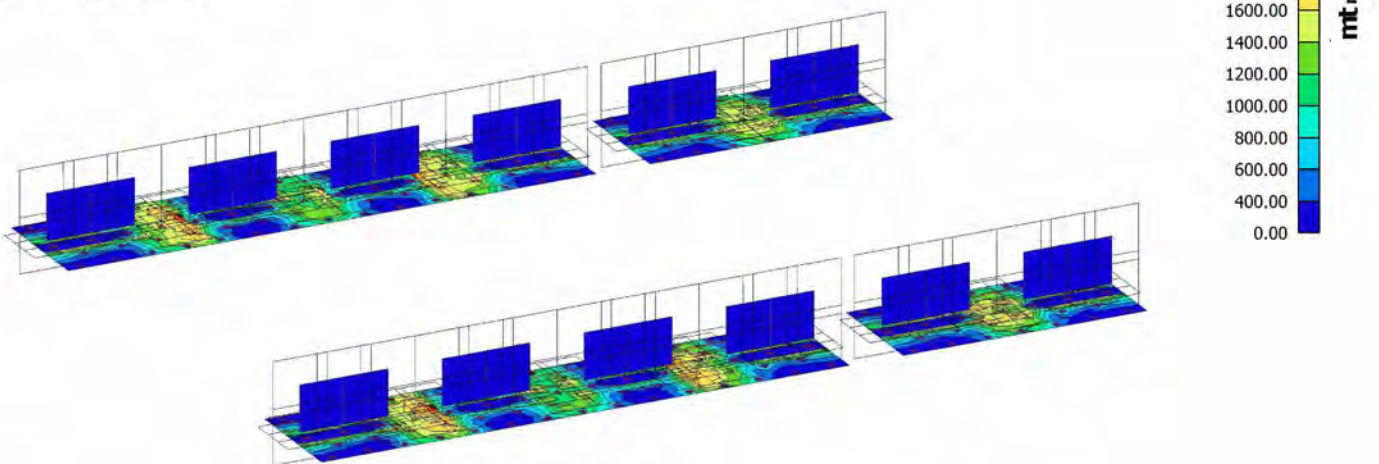
Resultaten - α_b

Values: α_b
Linear calculation
Class: Alle UGT
Extreme: Member
Selection: Named selection - Check
Location: In nodes avg. on macro.
System: LCS mesh element



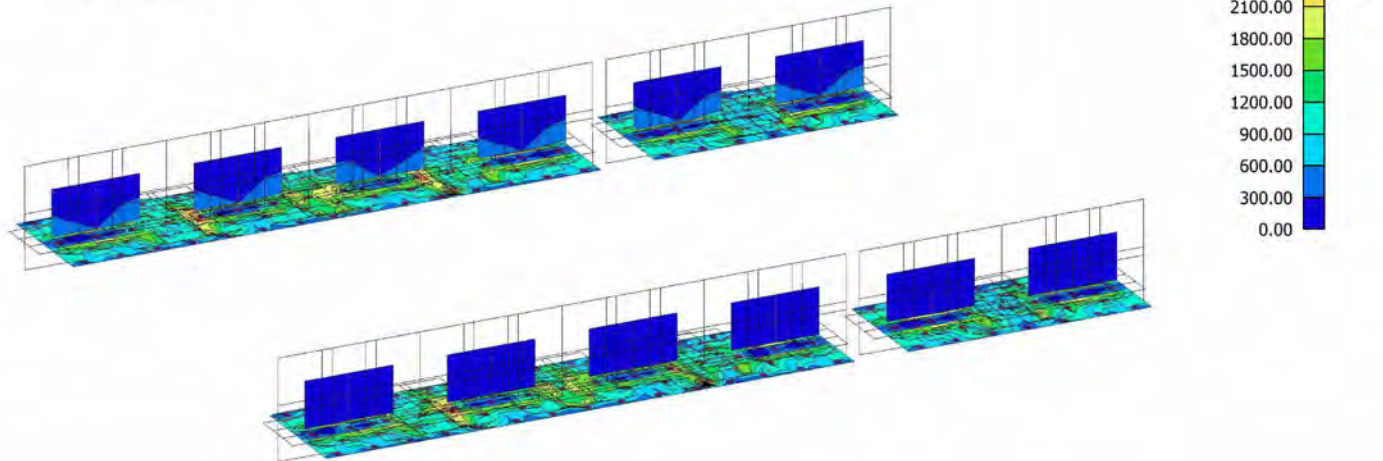
Resultaten - mt_{maxb}

Values: mt_{maxb}
Linear calculation
Class: Alle UGT
Extreme: Member
Selection: Named selection - Check
Location: In nodes avg. on macro.
System: LCS mesh element



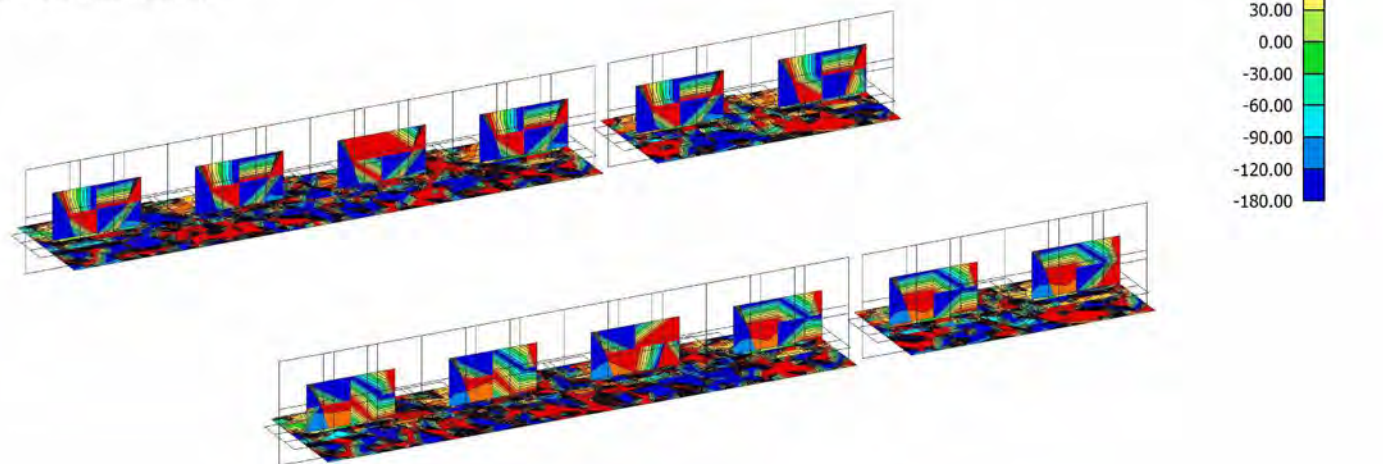
Resultaten - q_{maxb}

Values: q_{maxb}
Linear calculation
Class: Alle UGT
Extreme: Member
Selection: Named selection - Check
Location: In nodes avg. on macro.
System: LCS mesh element



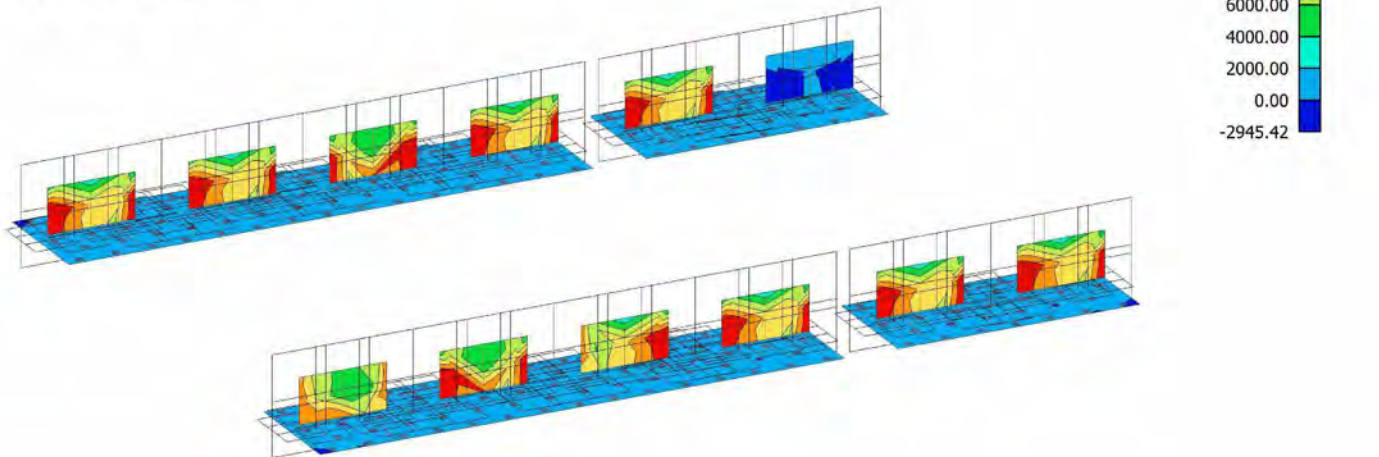
Resultaten - β_b

Values: β_b
Linear calculation
Class: Alle UGT
Extreme: Member
Selection: Named selection - Check
Location: In nodes avg. on macro.
System: LCS mesh element



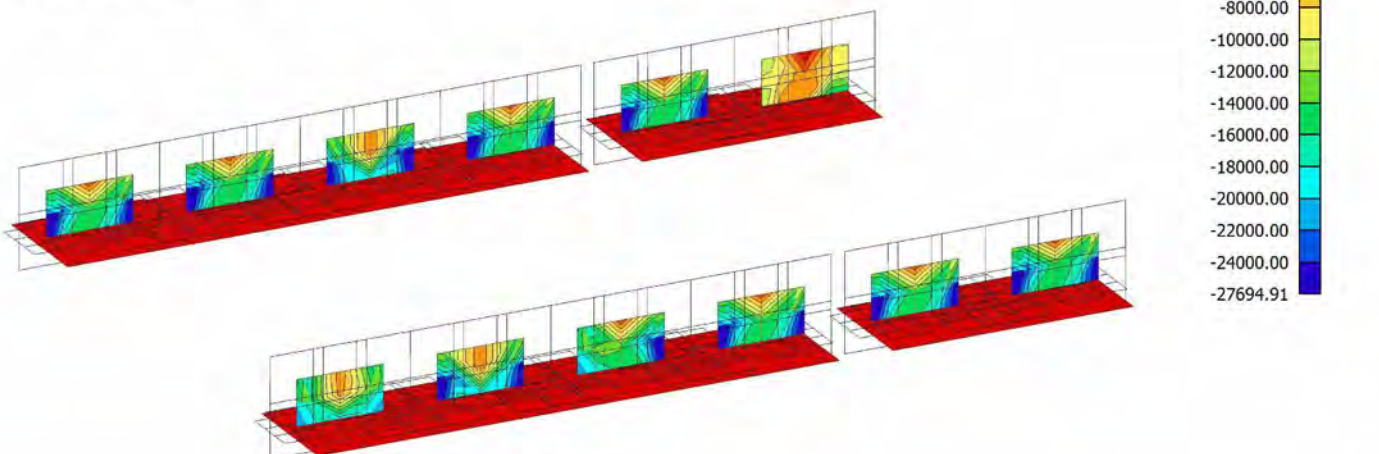
Resultaten - n_1

Values: n₁
Linear calculation
Class: Alle UGT
Extreme: Member
Selection: Named selection - Check
Location: In nodes avg. on macro.
System: LCS mesh element



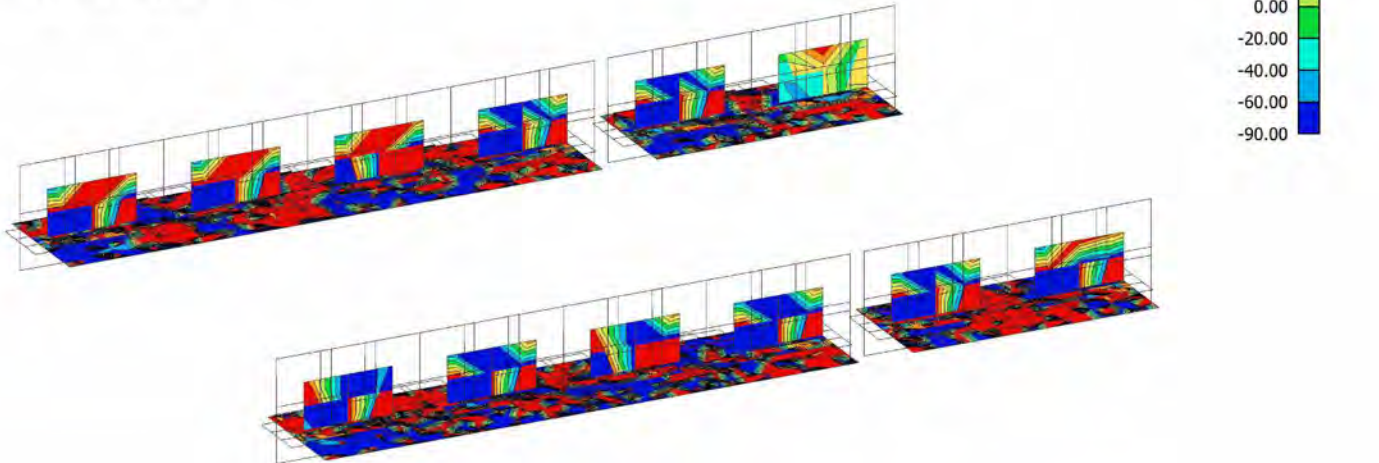
Resultaten - n_2

Values: n₂
Linear calculation
Class: Alle UGT
Extreme: Member
Selection: Named selection - Check
Location: In nodes avg. on macro.
System: LCS mesh element



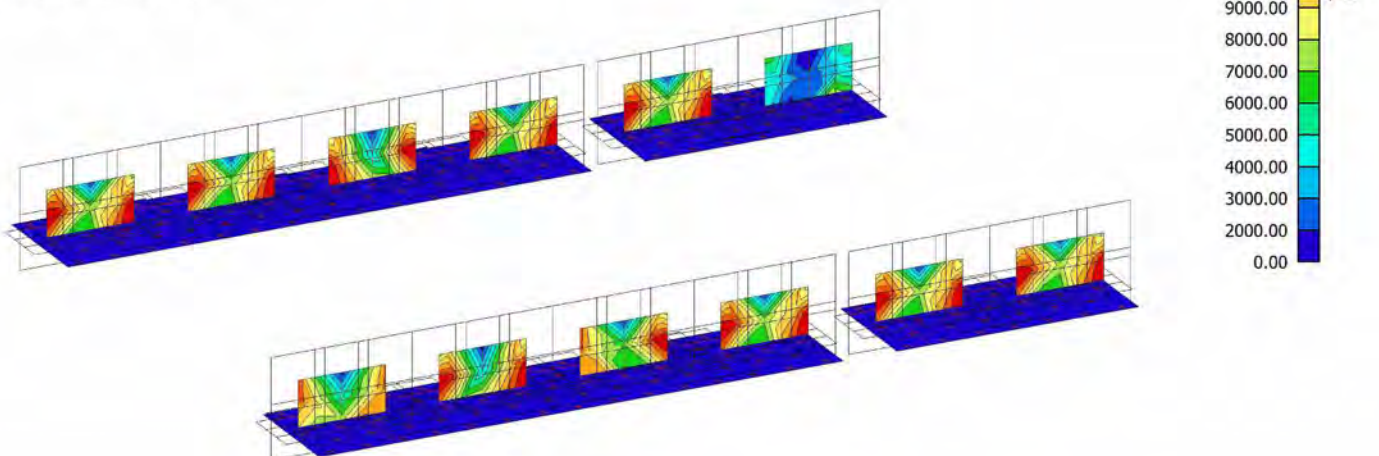
Resultaten - α_m

Values: α_m
Linear calculation
Class: Alle UGT
Extreme: Member
Selection: Named selection - Check
Location: In nodes avg. on macro.
System: LCS mesh element

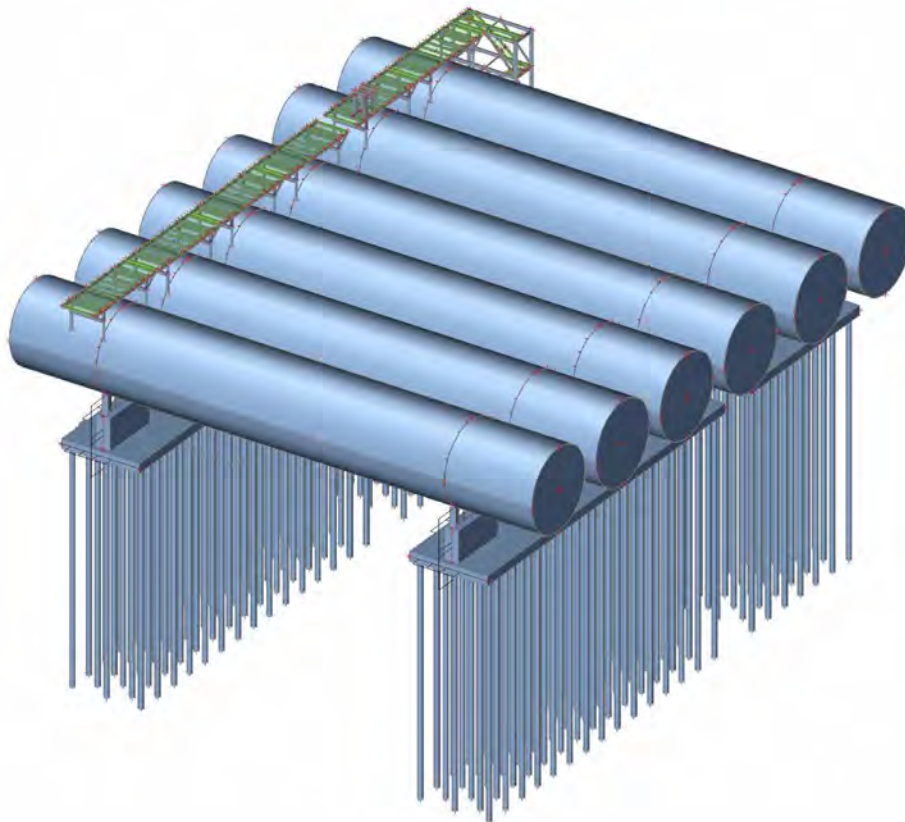


Resultaten - q_{maxm}

Values: q_{maxm}
Linear calculation
Class: Alle UGT
Extreme: Member
Selection: Named selection - Check
Location: In nodes avg. on macro.
System: LCS mesh element



Annex D.3. Steeldesign



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2. Steel

2.1. Steel slenderness

Linear calculation

Member	CS Name	Part	Sway y	L _y	I _y	I _y	Lam y	I _{yz}	LTB
			Sway z	L _z	I _z	I _z	Lam z	[m]	
S1	ST-16	1	Yes	2.130	10.00	21.295	72.52	2.130	2.130
			No	2.130	0.77	1.649	14.89		
S2	ST-16	1	Yes	2.130	10.00	21.295	72.52	2.130	2.130
			No	2.130	0.76	1.621	14.64		
S3	ST-16	1	Yes	2.130	8.51	18.120	61.71	2.130	2.130
			No	2.130	0.74	1.573	14.20		
S4	ST-16	1	Yes	2.130	7.20	15.343	52.25	2.130	2.130
			No	2.130	0.72	1.543	13.94		
S5	ST-16	1	Yes	2.130	10.00	21.295	72.52	2.130	2.130
			No	2.130	0.77	1.646	14.87		
S6	ST-16	1	Yes	2.130	10.00	21.295	72.52	2.130	2.130
			No	2.130	0.76	1.619	14.62		
S7	ST-16	1	Yes	2.130	7.64	16.268	55.40	2.130	2.130
			No	2.130	0.74	1.572	14.20		
S8	ST-16	1	Yes	2.130	6.18	13.157	44.81	2.130	2.130
			No	2.130	0.72	1.543	13.94		
S9	ST-16	1	Yes	2.130	10.00	21.295	72.52	2.130	2.130
			No	2.130	0.77	1.646	14.87		
S10	ST-16	1	Yes	2.130	10.00	21.295	72.52	2.130	2.130
			No	2.130	0.76	1.619	14.62		
S11	ST-16	1	Yes	2.130	7.65	16.294	55.49	2.130	2.130
			No	2.130	0.74	1.572	14.20		
S12	ST-16	1	Yes	2.130	6.19	13.183	44.90	2.130	2.130
			No	2.130	0.72	1.543	13.94		
S13	ST-16	1	Yes	2.130	10.00	21.295	72.52	2.130	2.130
			No	2.130	0.77	1.649	14.89		
S14	ST-16	1	Yes	2.130	10.00	21.295	72.52	2.130	2.130
			No	2.130	0.76	1.621	14.64		
S15	ST-16	1	Yes	2.130	8.62	18.364	62.54	2.130	2.130
			No	2.130	0.74	1.574	14.21		
S16	ST-16	1	Yes	2.130	7.32	15.579	53.05	2.130	2.130
			No	2.130	0.73	1.544	13.95		
S17	ST-16	1	Yes	2.130	10.00	21.295	72.52	2.130	2.130
			No	2.130	0.77	1.649	14.89		
S18	ST-16	1	Yes	2.130	10.00	21.295	72.52	2.130	2.130
			No	2.130	0.76	1.610	14.54		
S19	ST-16	1	Yes	2.130	8.32	17.711	60.32	2.130	2.130
			No	2.130	0.74	1.586	14.32		
S20	ST-16	1	Yes	2.130	6.98	14.873	50.65	2.130	2.130
			No	2.130	0.72	1.527	13.79		
S21	ST-16	1	Yes	2.130	10.00	21.295	72.52	2.130	2.130
			No	2.130	0.79	1.681	15.18		
S22	ST-16	1	Yes	2.130	10.00	21.295	72.52	2.130	2.130
			No	2.130	0.77	1.632	14.74		
S23	ST-16	1	Yes	2.130	8.96	19.077	64.97	2.130	2.130
			No	2.130	0.74	1.576	14.23		
S24	ST-16	1	Yes	2.130	7.69	16.386	55.80	2.130	2.130
			No	2.130	0.73	1.547	13.97		
S27	ST-11	1	Yes	3.700	2.47	9.123	90.76	3.700	3.700
			No	3.700	0.80	2.964	49.35		
S27	ST-11	2	Yes	3.700	1.83	6.771	67.36	3.700	3.700
			No	3.700	0.74	2.744	45.70		
S27	ST-11	3	Yes	3.700	1.88	6.938	69.02	3.700	3.700
			No	3.700	0.69	2.571	42.82		
S27	ST-11	4	Yes	3.700	2.49	9.217	91.69	3.700	3.700
			No	3.700	0.75	2.792	46.49		
S28	ST-11	1	Yes	3.700	2.47	9.124	90.77	3.700	3.700
			No	3.700	0.80	2.965	49.37		
S28	ST-11	2	Yes	3.700	1.83	6.761	67.26	3.700	3.700
			No	3.700	0.75	2.767	46.08		

Member	CS Name	Part	Sway y		L _y	k _y	l _y	Lam y	l _{yz}	LTB
			Yes	No	[m]	[-]	[m]	[-]	[m]	
			Sway z		L _z	k _z	l _z	Lam z		
			Yes	No	[m]	[-]	[m]	[-]		
S28	ST-11	3	Yes	No	3.700	1.87	6.920	68.84	3.700	3.700
			No	3.700	0.70	2.582	43.00			
S28	ST-11	4	Yes	No	3.700	2.49	9.200	91.52	3.700	3.700
			No	3.700	0.75	2.780	46.29			
S29	ST-11	1	Yes	No	3.700	2.47	9.124	90.76	3.700	3.700
			No	3.700	0.80	2.967	49.41			
S29	ST-11	2	Yes	No	3.700	1.83	6.765	67.30	3.700	3.700
			No	3.700	0.75	2.768	46.09			
S29	ST-11	3	Yes	No	3.700	1.87	6.935	68.99	3.700	3.700
			No	3.700	0.69	2.569	42.77			
S29	ST-11	4	Yes	No	3.700	2.50	9.239	91.91	3.700	3.700
			No	3.700	0.75	2.768	46.10			
S30	ST-11	1	Yes	No	3.700	2.47	9.123	90.76	3.700	3.700
			No	3.700	0.80	2.964	49.35			
S30	ST-11	2	Yes	No	3.700	1.83	6.765	67.30	3.700	3.700
			No	3.700	0.75	2.769	46.11			
S30	ST-11	3	Yes	No	3.700	1.87	6.922	68.86	3.700	3.700
			No	3.700	0.70	2.581	42.98			
S30	ST-11	4	Yes	No	3.700	2.48	9.184	91.36	3.700	3.700
			No	3.700	0.75	2.774	46.20			
S31	ST-12	1	Yes	No	3.400	4.24	14.404	115.57	6.800	6.800
			No	6.800	1.00	6.800	202.94			
S31	ST-12	2	Yes	No	3.400	3.84	13.065	104.84	6.800	6.800
			No	6.800	1.00	6.800	202.94			
S32	ST-12	1	Yes	No	3.400	3.77	12.808	102.77	6.800	6.800
			No	6.800	1.00	6.800	202.94			
S32	ST-12	2	Yes	No	3.400	4.06	13.805	110.77	6.800	6.800
			No	6.800	1.00	6.800	202.94			
S33	ST-12	1	Yes	No	2.600	2.70	7.015	56.29	1.107	1.107
			No	1.107	0.89	0.986	29.41			
S33	ST-12	2	Yes	No	2.600	2.70	7.015	56.29	0.386	0.386
			No	0.386	0.76	0.292	8.71			
S33	ST-12	3	Yes	No	2.600	2.70	7.015	56.29	0.807	0.807
			No	0.807	0.73	0.585	17.47			
S33	ST-12	4	Yes	No	2.600	2.70	7.015	56.29	0.300	0.300
			No	0.300	0.97	0.291	8.67			
S34	ST-12	1	Yes	No	2.600	2.70	7.012	56.27	1.107	1.107
			No	1.107	0.78	0.868	25.90			
S34	ST-12	2	Yes	No	2.600	2.70	7.012	56.27	1.493	1.493
			No	1.493	0.77	1.154	34.43			
S35	ST-12	1	Yes	No	3.400	2.13	7.228	58.00	6.800	6.800
			No	6.800	1.00	6.800	202.94			
S35	ST-12	2	Yes	No	3.400	2.09	7.117	57.11	6.800	6.800
			No	6.800	1.00	6.800	202.94			
S36	ST-12	1	Yes	No	2.600	1.82	4.729	37.95	2.600	2.600
			No	2.600	0.97	2.513	75.00			
S37	ST-12	1	Yes	No	3.400	2.13	7.229	58.00	6.800	6.800
			No	6.800	1.00	6.800	202.94			
S37	ST-12	2	Yes	No	3.400	2.17	7.371	59.15	6.800	6.800
			No	6.800	1.00	6.800	202.94			
S38	ST-12	1	Yes	No	2.600	1.82	4.730	37.95	0.300	0.300
			No	0.300	0.95	0.286	8.53			
S38	ST-12	2	Yes	No	2.600	1.82	4.730	37.95	0.807	0.807
			No	0.807	0.73	0.590	17.61			
S38	ST-12	3	Yes	No	2.600	1.82	4.730	37.95	0.386	0.386
			No	0.386	0.86	0.332	9.91			
S38	ST-12	4	Yes	No	2.600	1.82	4.730	37.95	0.807	0.807
			No	0.807	0.90	0.728	21.72			
S38	ST-12	5	Yes	No	2.600	1.82	4.730	37.95	0.300	0.300
			No	0.300	0.98	0.295	8.80			
S39	ST-12	1	Yes	No	3.400	2.31	7.863	63.09	6.800	6.800
			No	6.800	1.00	6.800	202.94			
S39	ST-12	2	Yes	No	3.400	2.19	7.445	59.74	6.800	6.800
			No	6.800	1.00	6.800	202.94			
S40	ST-12	1	Yes		2.600	1.61	4.183	33.56	0.300	0.300

Member	CS Name	Part	Sway y	Ly	ky	ly	Lam y	lyz	LTB
			Sway z	Lz	kz	lz	Lam z		
			No	[m]	[-]	[m]	[-]	[m]	[m]
			No	0.300	0.91	0.273	8.14		
S40	ST-12	2	Yes	2.600	1.61	4.183	33.56	0.807	0.807
			No	0.807	0.76	0.610	18.21		
S40	ST-12	3	Yes	2.600	1.61	4.183	33.56	0.386	0.386
			No	0.386	0.91	0.352	10.51		
S40	ST-12	4	Yes	2.600	1.61	4.183	33.56	0.807	0.807
			No	0.807	0.78	0.632	18.88		
S40	ST-12	5	Yes	2.600	1.61	4.183	33.56	0.300	0.300
			No	0.300	0.91	0.272	8.12		
S41	ST-12	1	Yes	3.400	2.21	7.512	60.28	6.800	6.800
			No	6.800	1.00	6.800	202.94		
S41	ST-12	2	Yes	3.400	2.34	7.962	63.89	6.800	6.800
			No	6.800	1.00	6.800	202.94		
S42	ST-12	1	Yes	2.600	1.61	4.182	33.56	2.600	2.600
			No	2.600	0.91	2.374	70.85		
S43	ST-12	1	Yes	3.400	2.67	9.083	72.88	6.800	6.800
			No	6.800	1.00	6.800	202.94		
S43	ST-12	2	Yes	3.400	2.32	7.871	63.16	6.800	6.800
			No	6.800	1.00	6.800	202.94		
S44	ST-12	1	Yes	2.600	1.49	3.880	31.13	2.600	2.600
			No	2.600	0.98	2.543	75.90		
S45	ST-12	1	Yes	3.400	2.31	7.869	63.14	6.800	6.800
			No	6.800	1.00	6.800	202.94		
S45	ST-12	2	Yes	3.400	2.67	9.081	72.87	6.800	6.800
			No	6.800	1.00	6.800	202.94		
S46	ST-12	1	Yes	2.600	1.49	3.879	31.13	0.300	0.300
			No	0.300	0.99	0.297	8.86		
S46	ST-12	2	Yes	2.600	1.49	3.879	31.13	0.807	0.807
			No	0.807	0.86	0.693	20.69		
S46	ST-12	3	Yes	2.600	1.49	3.879	31.13	0.386	0.386
			No	0.386	0.69	0.268	7.99		
S46	ST-12	4	Yes	2.600	1.49	3.879	31.13	0.807	0.807
			No	0.807	0.66	0.536	16.00		
S46	ST-12	5	Yes	2.600	1.49	3.879	31.13	0.300	0.300
			No	0.300	0.95	0.286	8.55		
S51	ST-13	1	Yes	5.025	1.00	5.025	87.74	5.025	5.025
			No	5.025	1.00	5.025	142.76		
S52	ST-13	1	Yes	5.025	1.00	5.025	87.74	5.025	5.025
			No	5.025	1.00	5.025	142.76		
S53	ST-13	1	Yes	5.025	1.00	5.025	87.74	5.025	5.025
			No	5.025	1.00	5.025	142.76		
S54	ST-13	1	Yes	5.025	1.00	5.025	87.74	5.025	5.025
			No	5.025	1.00	5.025	142.76		
S55	ST-13	1	Yes	5.025	1.00	5.025	87.74	5.025	5.025
			No	5.025	1.00	5.025	142.76		
S56	ST-13	1	Yes	5.025	1.00	5.025	87.74	5.025	5.025
			No	5.025	1.00	5.025	142.76		
S57	ST-13	1	Yes	5.025	1.00	5.025	87.74	5.025	5.025
			No	5.025	1.00	5.025	142.76		
S58	ST-13	1	Yes	5.025	1.00	5.025	87.74	5.025	5.025
			No	5.025	1.00	5.025	142.76		
S59	ST-13	1	Yes	5.025	1.00	5.025	87.74	5.025	5.025
			No	5.025	1.00	5.025	142.76		
S60	ST-13	1	Yes	5.025	1.00	5.025	87.74	5.025	5.025
			No	5.025	1.00	5.025	142.76		
S61	ST-13	1	Yes	5.025	1.00	5.025	87.74	5.025	5.025
			No	5.025	1.00	5.025	142.76		
S62	ST-13	1	Yes	5.025	1.00	5.025	87.74	5.025	5.025
			No	5.025	1.00	5.025	142.76		
S63	ST-13	1	Yes	5.025	1.00	5.025	87.74	5.025	5.025
			No	5.025	1.00	5.025	142.76		
S64	ST-13	1	Yes	5.025	1.00	5.025	87.74	5.025	5.025
			No	5.025	1.00	5.025	142.76		
S65	ST-13	1	Yes	5.025	1.00	5.025	87.74	5.025	5.025
			No	5.025	1.00	5.025	142.76		

Member	CS Name	Part	Sway y		Ly	ky	ly	Lam y	lyz	LTB
			Yes	No	[m]	[-]	[m]	[-]	[m]	[m]
			Sway z		Lz	kz	lz	Lam z		
			Yes	No	[m]	[-]	[m]	[-]		
S66	ST-13	1	Yes	No	5.025	1.00	5.025	87.74	5.025	5.025
			No	5.025	1.00	5.025	142.76			
S67	ST-14	1	Yes	No	7.061	0.85	6.001	77.92	0.500	0.500
			No	1.000	0.85	0.850	39.65			
S67	ST-14	2	Yes	No	7.061	0.85	6.001	77.92	1.010	1.010
			No	2.020	0.85	1.717	80.09			
S67	ST-14	3	Yes	No	7.061	0.85	6.001	77.92	1.010	1.010
			No	2.020	0.85	1.717	80.09			
S67	ST-14	4	Yes	No	7.061	0.85	6.001	77.92	1.010	1.010
			No	2.020	0.85	1.717	80.09			
S68	ST-14	1	Yes	No	7.061	0.85	6.001	77.92	1.010	1.010
			No	2.020	0.85	1.717	80.09			
S68	ST-14	2	Yes	No	7.061	0.85	6.001	77.92	1.010	1.010
			No	2.020	0.85	1.717	80.09			
S68	ST-14	3	Yes	No	7.061	0.85	6.001	77.92	1.010	1.010
			No	2.020	0.85	1.717	80.09			
S68	ST-14	4	Yes	No	7.061	0.85	6.001	77.92	0.500	0.500
			No	1.000	0.85	0.850	39.65			
S71	ST-14	1	Yes	No	1.000	1.00	1.000	12.98	0.500	0.500
			No	1.000	1.00	1.000	46.64			
S71	ST-14	2	Yes	No	6.061	1.00	6.061	78.69	1.010	1.010
			No	2.020	1.00	2.020	94.23			
S71	ST-14	3	Yes	No	6.061	1.00	6.061	78.69	1.010	1.010
			No	2.020	1.00	2.020	94.23			
S71	ST-14	4	Yes	No	6.061	1.00	6.061	78.69	1.010	1.010
			No	2.020	1.00	2.020	94.23			
S71	ST-14	5	Yes	No	1.000	1.00	1.000	12.98	0.500	0.500
			No	1.000	1.00	1.000	46.64			
S72	ST-14	1	Yes	No	1.000	1.00	1.000	12.98	0.500	0.500
			No	1.000	1.00	1.000	46.64			
S72	ST-14	2	Yes	No	6.061	1.00	6.061	78.69	1.010	1.010
			No	2.020	1.00	2.020	94.23			
S72	ST-14	3	Yes	No	6.061	1.00	6.061	78.69	1.010	1.010
			No	2.020	1.00	2.020	94.23			
S72	ST-14	4	Yes	No	6.061	1.00	6.061	78.69	1.010	1.010
			No	2.020	1.00	2.020	94.23			
S72	ST-14	5	Yes	No	1.000	1.00	1.000	12.98	0.500	0.500
			No	1.000	1.00	1.000	46.64			
S76	ST-14	1	Yes	No	1.000	1.00	1.000	12.98	0.500	0.500
			No	1.000	1.00	1.000	46.64			
S76	ST-14	2	Yes	No	6.061	1.00	6.061	78.69	1.010	1.010
			No	2.020	1.00	2.020	94.23			
S76	ST-14	3	Yes	No	6.061	1.00	6.061	78.69	1.010	1.010
			No	2.020	1.00	2.020	94.23			
S76	ST-14	4	Yes	No	6.061	1.00	6.061	78.69	1.010	1.010
			No	2.020	1.00	2.020	94.23			
S76	ST-14	5	Yes	No	1.000	1.00	1.000	12.98	0.500	0.500
			No	1.000	1.00	1.000	46.64			
S78	ST-14	1	Yes	No	1.000	1.00	1.000	12.98	0.500	0.500
			No	1.000	1.00	1.000	46.64			
S78	ST-14	2	Yes	No	6.061	1.00	6.061	78.69	1.010	1.010
			No	2.020	1.00	2.020	94.23			
S78	ST-14	3	Yes	No	6.061	1.00	6.061	78.69	1.010	1.010
			No	2.020	1.00	2.020	94.23			
S78	ST-14	4	Yes	No	6.061	1.00	6.061	78.69	1.010	1.010
			No	2.020	1.00	2.020	94.23			
S78	ST-14	5	Yes	No	1.000	1.00	1.000	12.98	0.500	0.500
			No	1.000	1.00	1.000	46.64			
S79	ST-14	1	Yes	No	1.000	1.00	1.000	12.98	0.500	0.500
			No	1.000	1.00	1.000	46.64			
S79	ST-14	2	Yes	No	6.061	1.00	6.061	78.69	1.010	1.010
			No	2.020	1.00	2.020	94.23			
S79	ST-14	3	Yes	No	6.061	1.00	6.061	78.69	1.010	1.010
			No	2.020	1.00	2.020	94.23			
S79	ST-14	4	Yes	No	6.061	1.00	6.061	78.69	1.010	1.010
			No	2.020	1.00	2.020	94.23			

Member	CS Name	Part	Sway y	Ly	ky	ly	Lam y	lyz	LTB
			Sway z	Lz	kz	lz	Lam z		
			No	2.020	1.00	2.020	94.23		
S79	ST-14	5	Yes	1.000	1.00	1.000	12.98	0.500	0.500
			No	1.000	1.00	1.000	46.64		
S81	ST-14	1	Yes	1.000	1.00	1.000	12.98	0.500	0.500
			No	1.000	1.00	1.000	46.64		
S81	ST-14	2	Yes	6.061	1.00	6.061	78.69	1.010	1.010
			No	2.020	1.00	2.020	94.23		
S81	ST-14	3	Yes	6.061	1.00	6.061	78.69	1.010	1.010
			No	2.020	1.00	2.020	94.23		
S81	ST-14	4	Yes	6.061	1.00	6.061	78.69	1.010	1.010
			No	2.020	1.00	2.020	94.23		
S81	ST-14	5	Yes	1.000	1.00	1.000	12.98	0.500	0.500
			No	1.000	1.00	1.000	46.64		
S83	ST-12	1	Yes	6.800	1.00	6.800	54.56	6.800	6.800
			No	6.800	1.00	6.800	202.94		
S84	ST-15	1	Yes	1.500	3.64	5.465	46.77	1.000	1.000
			No	1.000	1.00	1.000	34.46		
S84	ST-15	2	Yes	1.500	3.64	5.465	46.77	0.500	0.500
			No	0.500	1.00	0.500	17.23		
S84	ST-15	3	Yes	7.000	1.65	11.559	98.91	0.500	0.500
			No	0.500	0.88	0.442	15.23		
S84	ST-15	4	Yes	7.000	1.65	11.559	98.91	1.000	1.000
			No	1.000	0.72	0.723	24.91		
S84	ST-15	5	Yes	7.000	1.65	11.559	98.91	1.000	1.000
			No	1.000	0.78	0.775	26.71		
S84	ST-15	6	Yes	7.000	1.65	11.559	98.91	1.000	1.000
			No	1.000	0.95	0.947	32.63		
S84	ST-15	7	Yes	7.000	1.65	11.559	98.91	1.000	1.000
			No	1.000	0.95	0.952	32.81		
S84	ST-15	8	Yes	7.000	1.65	11.559	98.91	1.000	1.000
			No	1.000	0.81	0.805	27.75		
S84	ST-15	9	Yes	7.000	1.65	11.559	98.91	1.000	1.000
			No	1.000	0.74	0.740	25.50		
S84	ST-15	10	Yes	7.000	1.65	11.559	98.91	0.500	0.500
			No	0.500	0.88	0.438	15.09		
S84	ST-15	11	Yes	1.500	3.66	5.488	46.96	0.500	0.500
			No	0.500	1.00	0.500	17.23		
S84	ST-15	12	Yes	1.500	3.66	5.488	46.96	1.000	1.000
			No	1.000	1.00	1.000	34.46		
S85	ST-15	1	Yes	1.500	3.62	5.434	46.50	1.000	1.000
			No	1.000	1.00	1.000	34.46		
S85	ST-15	2	Yes	1.500	3.62	5.434	46.50	0.500	0.500
			No	0.500	1.00	0.500	17.23		
S85	ST-15	3	Yes	7.000	1.61	11.265	96.39	0.500	0.500
			No	0.500	0.88	0.442	15.23		
S85	ST-15	4	Yes	7.000	1.61	11.265	96.39	1.000	1.000
			No	1.000	0.72	0.723	24.92		
S85	ST-15	5	Yes	7.000	1.61	11.265	96.39	1.000	1.000
			No	1.000	0.78	0.775	26.72		
S85	ST-15	6	Yes	7.000	1.61	11.265	96.39	1.000	1.000
			No	1.000	0.95	0.947	32.63		
S85	ST-15	7	Yes	7.000	1.61	11.265	96.39	1.000	1.000
			No	1.000	0.95	0.952	32.81		
S85	ST-15	8	Yes	7.000	1.61	11.265	96.39	1.000	1.000
			No	1.000	0.81	0.805	27.76		
S85	ST-15	9	Yes	7.000	1.61	11.265	96.39	1.000	1.000
			No	1.000	0.74	0.740	25.50		
S85	ST-15	10	Yes	7.000	1.61	11.265	96.39	0.500	0.500
			No	0.500	0.87	0.437	15.08		
S85	ST-15	11	Yes	1.500	3.59	5.392	46.14	0.500	0.500
			No	0.500	1.00	0.500	17.23		
S85	ST-15	12	Yes	1.500	3.59	5.392	46.14	1.000	1.000
			No	1.000	1.00	1.000	34.46		
S90	ST-17	1	Yes	2.082	2.64	5.497	72.94	2.082	2.082
			No	2.082	0.86	1.793	23.79		

Member	CS Name	Part	Sway y		Ly	ky	ly	Lam y	lyz	LTB
			Yes	No	[m]	[-]	[m]	[-]	[m]	
			Sway z		Lz	kz	lz	Lam z		
			Yes	No	[m]	[-]	[m]	[-]		
S91	ST-17	1	Yes	No	2.082	2.63	5.482	72.73	2.082	2.082
			No		2.082	0.85	1.773	23.53		
S92	ST-17	1	Yes	No	2.082	2.65	5.524	73.29	2.082	2.082
			No		2.082	0.85	1.773	23.53		
S93	ST-17	1	Yes	No	2.082	2.66	5.548	73.61	2.082	2.082
			No		2.082	0.86	1.792	23.77		
S94	ST-17	1	Yes	No	2.082	2.64	5.496	72.92	2.082	2.082
			No		2.082	0.86	1.792	23.77		
S95	ST-17	1	Yes	No	2.082	2.63	5.481	72.72	2.082	2.082
			No		2.082	0.85	1.772	23.51		
S96	ST-17	1	Yes	No	2.082	2.65	5.523	73.27	2.082	2.082
			No		2.082	0.85	1.772	23.51		
S97	ST-17	1	Yes	No	2.082	2.66	5.547	73.59	2.082	2.082
			No		2.082	0.86	1.791	23.76		
S98	ST-17	1	Yes	No	2.082	2.64	5.496	72.92	2.082	2.082
			No		2.082	0.86	1.792	23.77		
S99	ST-17	1	Yes	No	2.082	2.63	5.481	72.72	2.082	2.082
			No		2.082	0.85	1.772	23.51		
S100	ST-17	1	Yes	No	2.082	2.65	5.523	73.27	2.082	2.082
			No		2.082	0.85	1.772	23.51		
S101	ST-17	1	Yes	No	2.082	2.66	5.547	73.59	2.082	2.082
			No		2.082	0.86	1.791	23.76		
S102	ST-17	1	Yes	No	2.082	2.64	5.495	72.91	2.082	2.082
			No		2.082	0.86	1.793	23.79		
S103	ST-17	1	Yes	No	2.082	2.63	5.480	72.71	2.082	2.082
			No		2.082	0.85	1.773	23.53		
S104	ST-17	1	Yes	No	2.082	2.65	5.522	73.26	2.082	2.082
			No		2.082	0.85	1.773	23.53		
S105	ST-17	1	Yes	No	2.082	2.66	5.546	73.58	2.082	2.082
			No		2.082	0.86	1.792	23.77		
S106	ST-17	1	Yes	No	2.082	2.63	5.482	72.73	2.082	2.082
			No		2.082	0.86	1.801	23.89		
S107	ST-17	1	Yes	No	2.082	2.63	5.466	72.52	2.082	2.082
			No		2.082	0.85	1.762	23.38		
S108	ST-17	1	Yes	No	2.082	2.61	5.442	72.20	2.082	2.082
			No		2.082	0.85	1.768	23.45		
S109	ST-17	1	Yes	No	2.082	2.62	5.460	72.45	2.082	2.082
			No		2.082	0.86	1.797	23.84		
S110	ST-17	1	Yes	No	2.082	2.64	5.495	72.91	2.082	2.082
			No		2.082	0.86	1.793	23.79		
S111	ST-17	1	Yes	No	2.082	2.63	5.480	72.70	2.082	2.082
			No		2.082	0.85	1.774	23.54		
S112	ST-17	1	Yes	No	2.082	2.65	5.521	73.25	2.082	2.082
			No		2.082	0.85	1.774	23.53		
S113	ST-17	1	Yes	No	2.082	2.66	5.545	73.57	2.082	2.082
			No		2.082	0.86	1.792	23.78		
S86	ST-18	1	Yes	No	1.135	4.31	4.897	53.38	1.135	1.135
			No		1.135	0.88	0.998	18.08		
S114	ST-18	1	Yes	No	1.135	4.32	4.901	53.43	1.135	1.135
			No		1.135	0.88	1.002	18.14		
S115	ST-18	1	Yes	No	1.135	4.57	5.185	56.53	1.135	1.135
			No		1.135	0.88	1.000	18.11		
S116	ST-18	1	Yes	No	1.135	4.57	5.183	56.51	1.135	1.135
			No		1.135	0.88	0.999	18.09		
S117	ST-18	1	Yes	No	1.135	4.24	4.810	52.44	1.135	1.135
			No		1.135	0.92	1.040	18.85		
S118	ST-18	1	Yes	No	1.135	4.20	4.766	51.96	1.135	1.135
			No		1.135	0.91	1.029	18.64		
S119	ST-18	1	Yes	No	1.135	3.36	3.817	41.61	1.135	1.135
			No		1.135	0.93	1.056	19.13		
S120	ST-18	1	Yes	No	1.135	5.31	6.029	65.73	1.135	1.135
			No		1.135	0.99	1.129	20.45		
S121	ST-18	1	Yes	No	1.135	4.32	4.903	53.45	1.135	1.135
			No		1.135	0.88	0.996	18.05		
S122	ST-18	1	Yes	No	1.135	4.32	4.907	53.49	1.135	1.135

Member	CS Name	Part	Sway y	Ly	ky	ly	Lam y	lyz	LTB
			Sway z	Lz	kz	lz	Lam z		
			No	1.135	0.88	1.000	18.11		
S123	ST-18	1	Yes	1.135	4.57	5.192	56.60	1.135	1.135
			No	1.135	0.88	0.998	18.08		
S124	ST-18	1	Yes	1.135	4.57	5.190	56.58	1.135	1.135
			No	1.135	0.88	0.997	18.06		
S125	ST-18	1	Yes	1.135	4.33	4.911	53.54	1.135	1.135
			No	1.135	0.87	0.992	17.97		
S126	ST-18	1	Yes	1.135	4.33	4.915	53.58	1.135	1.135
			No	1.135	0.88	0.996	18.04		
S127	ST-18	1	Yes	1.135	4.58	5.199	56.68	1.135	1.135
			No	1.135	0.88	0.994	18.01		
S128	ST-18	1	Yes	1.135	4.58	5.197	56.66	1.135	1.135
			No	1.135	0.87	0.993	17.98		
S129	ST-18	1	Yes	1.135	4.33	4.911	53.54	1.135	1.135
			No	1.135	0.87	0.992	17.97		
S130	ST-18	1	Yes	1.135	4.33	4.915	53.58	1.135	1.135
			No	1.135	0.88	0.996	18.04		
S131	ST-18	1	Yes	1.135	4.58	5.199	56.68	1.135	1.135
			No	1.135	0.88	0.994	18.01		
S132	ST-18	1	Yes	1.135	4.58	5.197	56.66	1.135	1.135
			No	1.135	0.87	0.993	17.98		
S133	ST-18	1	Yes	1.135	4.34	4.921	53.65	1.135	1.135
			No	1.135	0.88	0.996	18.05		
S134	ST-18	1	Yes	1.135	4.34	4.925	53.69	1.135	1.135
			No	1.135	0.88	1.000	18.11		
S135	ST-18	1	Yes	1.135	4.59	5.210	56.80	1.135	1.135
			No	1.135	0.88	0.998	18.08		
S136	ST-18	1	Yes	1.135	4.59	5.208	56.78	1.135	1.135
			No	1.135	0.88	0.997	18.06		
S137	ST-19	1	Yes	5.898	1.00	5.898	1021.54	5.898	5.898
			No	5.898	1.00	5.898	204.30		
S138	ST-19	1	Yes	5.898	1.00	5.898	1021.54	5.898	5.898
			No	5.898	1.00	5.898	204.30		
S139	ST-19	1	Yes	5.898	1.00	5.898	1021.54	5.898	5.898
			No	5.898	1.00	5.898	204.30		
S140	ST-19	1	Yes	5.898	1.00	5.898	1021.54	5.898	5.898
			No	5.898	1.00	5.898	204.30		
S141	ST-19	1	Yes	5.898	1.00	5.898	1021.54	5.898	5.898
			No	5.898	1.00	5.898	204.30		
S142	ST-19	1	Yes	5.898	1.00	5.898	1021.54	5.898	5.898
			No	5.898	1.00	5.898	204.30		
S143	ST-19	1	Yes	5.898	1.00	5.898	1021.54	5.898	5.898
			No	5.898	1.00	5.898	204.30		
S144	ST-19	1	Yes	5.898	1.00	5.898	1021.54	5.898	5.898
			No	5.898	1.00	5.898	204.30		
S145	ST-19	1	Yes	5.898	1.00	5.898	1021.54	5.898	5.898
			No	5.898	1.00	5.898	204.30		
S146	ST-19	1	Yes	5.898	1.00	5.898	1021.54	5.898	5.898
			No	5.898	1.00	5.898	204.30		
S147	ST-19	1	Yes	5.898	1.00	5.898	1021.54	5.898	5.898
			No	5.898	1.00	5.898	204.30		
S148	ST-19	1	Yes	5.898	1.00	5.898	1021.54	5.898	5.898
			No	5.898	1.00	5.898	204.30		
S149	ST-19	1	Yes	5.898	1.00	5.898	1021.54	5.898	5.898
			No	5.898	1.00	5.898	204.30		
S150	ST-19	1	Yes	5.898	1.00	5.898	1021.54	5.898	5.898
			No	5.898	1.00	5.898	204.30		
S151	ST-19	1	Yes	5.898	1.00	5.898	1021.54	5.898	5.898
			No	5.898	1.00	5.898	204.30		
S152	ST-19	1	Yes	5.898	1.00	5.898	1021.54	5.898	5.898
			No	5.898	1.00	5.898	204.30		
S153	ST-19	1	Yes	5.898	1.00	5.898	1021.54	5.898	5.898
			No	5.898	1.00	5.898	204.30		
S154	ST-19	1	Yes	5.898	1.00	5.898	1021.54	5.898	5.898
			No	5.898	1.00	5.898	204.30		

Member	CS Name	Part	Sway y	Ly	ky	ly	Lam y	lyz	LTB
			Sway z	Lz	kz	lz	Lam z		
S155	ST-19	1	Yes	5.898	1.00	5.898	1021.54	5.898	5.898
			No	5.898	1.00	5.898	204.30		
S156	ST-19	1	Yes	5.898	1.00	5.898	1021.54	5.898	5.898
			No	5.898	1.00	5.898	204.30		
S157	ST-19	1	Yes	5.898	1.00	5.898	1021.54	5.898	5.898
			No	5.898	1.00	5.898	204.30		
S158	ST-19	1	Yes	5.898	1.00	5.898	1021.54	5.898	5.898
			No	5.898	1.00	5.898	204.30		
S159	ST-19	1	Yes	5.898	1.00	5.898	1021.54	5.898	5.898
			No	5.898	1.00	5.898	204.30		
S160	ST-19	1	Yes	5.898	1.00	5.898	1021.54	5.898	5.898
			No	5.898	1.00	5.898	204.30		
S161	ST-15	1	Yes	1.500	3.57	5.360	45.86	1.000	1.000
			No	1.000	1.00	1.000	34.46		
S161	ST-15	2	Yes	1.500	3.57	5.360	45.86	0.500	0.500
			No	0.500	1.00	0.500	17.23		
S161	ST-15	3	Yes	7.000	1.62	11.347	97.10	0.500	0.500
			No	0.500	0.88	0.441	15.19		
S161	ST-15	4	Yes	7.000	1.62	11.347	97.10	1.000	1.000
			No	1.000	0.73	0.729	25.11		
S161	ST-15	5	Yes	7.000	1.62	11.347	97.10	1.000	1.000
			No	1.000	0.78	0.784	27.04		
S161	ST-15	6	Yes	7.000	1.62	11.347	97.10	1.000	1.000
			No	1.000	0.95	0.948	32.68		
S161	ST-15	7	Yes	7.000	1.62	11.347	97.10	1.000	1.000
			No	1.000	0.95	0.953	32.85		
S161	ST-15	8	Yes	7.000	1.62	11.347	97.10	1.000	1.000
			No	1.000	0.81	0.813	28.01		
S161	ST-15	9	Yes	7.000	1.62	11.347	97.10	1.000	1.000
			No	1.000	0.74	0.743	25.62		
S161	ST-15	10	Yes	7.000	1.62	11.347	97.10	0.500	0.500
			No	0.500	0.87	0.436	15.03		
S161	ST-15	11	Yes	1.500	3.59	5.384	46.07	0.500	0.500
			No	0.500	1.00	0.500	17.23		
S161	ST-15	12	Yes	1.500	3.59	5.384	46.07	1.000	1.000
			No	1.000	1.00	1.000	34.46		
S166	ST-23	1	Yes	3.500	1.00	3.500	42.39	3.500	3.500
			No	3.500	1.00	3.500	156.80		
S167	ST-23	1	Yes	3.500	1.00	3.500	42.39	3.500	3.500
			No	3.500	1.00	3.500	156.80		
S168	ST-23	1	Yes	3.500	1.00	3.500	42.39	3.500	3.500
			No	3.500	1.00	3.500	156.80		
S169	ST-23	1	Yes	3.500	1.00	3.500	42.39	3.500	3.500
			No	3.500	1.00	3.500	156.80		
S170	ST-23	1	Yes	3.500	1.00	3.500	42.39	3.500	3.500
			No	3.500	1.00	3.500	156.80		
S171	ST-23	1	Yes	3.500	1.00	3.500	42.39	3.500	3.500
			No	3.500	1.00	3.500	156.80		
S172	ST-23	1	Yes	3.500	1.00	3.500	42.39	3.500	3.500
			No	3.500	1.00	3.500	156.80		
S174	ST-23	1	Yes	3.500	1.00	3.500	42.39	3.500	3.500
			No	3.500	1.00	3.500	156.80		
S175	ST-23	1	Yes	3.500	1.00	3.500	42.39	3.500	3.500
			No	3.500	1.00	3.500	156.80		
S176	ST-23	1	Yes	3.500	1.00	3.500	42.39	3.500	3.500
			No	3.500	1.00	3.500	156.80		
S177	ST-23	1	Yes	3.500	1.00	3.500	42.39	3.500	3.500
			No	3.500	1.00	3.500	156.80		
S178	ST-15	1	Yes	1.500	3.55	5.327	45.58	1.000	1.000
			No	1.000	1.00	1.000	34.46		
S178	ST-15	2	Yes	1.500	3.55	5.327	45.58	0.500	0.500
			No	0.500	1.00	0.500	17.23		
S178	ST-15	3	Yes	7.000	1.58	11.056	94.61	0.500	0.500
			No	0.500	0.88	0.441	15.19		
S178	ST-15	4	Yes	7.000	1.58	11.056	94.61	1.000	1.000

Member	CS Name	Part	Sway y	Ly	ky	ly	Lam y	lyz	LTB
			Sway z	Lz	kz	lz	Lam z		
			No	1.000	0.73	0.729	25.12		
S178	ST-15	5	Yes	7.000	1.58	11.056	94.61	1.000	1.000
			No	1.000	0.78	0.785	27.04		
S178	ST-15	6	Yes	7.000	1.58	11.056	94.61	1.000	1.000
			No	1.000	0.95	0.948	32.68		
S178	ST-15	7	Yes	7.000	1.58	11.056	94.61	1.000	1.000
			No	1.000	0.95	0.953	32.85		
S178	ST-15	8	Yes	7.000	1.58	11.056	94.61	1.000	1.000
			No	1.000	0.81	0.813	28.02		
S178	ST-15	9	Yes	7.000	1.58	11.056	94.61	1.000	1.000
			No	1.000	0.74	0.743	25.62		
S178	ST-15	10	Yes	7.000	1.58	11.056	94.61	0.500	0.500
			No	0.500	0.87	0.436	15.02		
S178	ST-15	11	Yes	1.500	3.52	5.284	45.22	0.500	0.500
			No	0.500	1.00	0.500	17.23		
S178	ST-15	12	Yes	1.500	3.52	5.284	45.22	1.000	1.000
			No	1.000	1.00	1.000	34.46		
S179	ST-23	1	Yes	3.500	1.00	3.500	42.39	3.500	3.500
			No	3.500	1.00	3.500	156.80		
S180	ST-23	1	Yes	3.500	1.00	3.500	42.39	3.500	3.500
			No	3.500	1.00	3.500	156.80		
S181	ST-23	1	Yes	3.500	1.00	3.500	42.39	3.500	3.500
			No	3.500	1.00	3.500	156.80		
S182	ST-23	1	Yes	3.500	1.00	3.500	42.39	3.500	3.500
			No	3.500	1.00	3.500	156.80		
S183	ST-23	1	Yes	3.500	1.00	3.500	42.39	3.500	3.500
			No	3.500	1.00	3.500	156.80		
S184	ST-23	1	Yes	3.500	1.00	3.500	42.39	3.500	3.500
			No	3.500	1.00	3.500	156.80		
S185	ST-23	1	Yes	3.500	1.00	3.500	42.39	3.500	3.500
			No	3.500	1.00	3.500	156.80		
S186	ST-23	1	Yes	3.500	1.00	3.500	42.39	3.500	3.500
			No	3.500	1.00	3.500	156.80		
S187	ST-23	1	Yes	3.500	1.00	3.500	42.39	3.500	3.500
			No	3.500	1.00	3.500	156.80		
S188	ST-23	1	Yes	3.500	1.00	3.500	42.39	3.500	3.500
			No	3.500	1.00	3.500	156.80		
S189	ST-23	1	Yes	3.500	1.00	3.500	42.39	3.500	3.500
			No	3.500	1.00	3.500	156.80		
S190	ST-23	1	Yes	3.500	1.00	3.500	42.39	3.500	3.500
			No	3.500	1.00	3.500	156.80		
S191	ST-23	1	Yes	3.500	1.00	3.500	42.39	3.500	3.500
			No	3.500	1.00	3.500	156.80		
S192	ST-23	1	Yes	3.500	1.00	3.500	42.39	3.500	3.500
			No	3.500	1.00	3.500	156.80		
S193	ST-23	1	Yes	3.500	1.00	3.500	42.39	3.500	3.500
			No	3.500	1.00	3.500	156.80		
S194	ST-23	1	Yes	3.500	1.00	3.500	42.39	3.500	3.500
			No	3.500	1.00	3.500	156.80		
S195	ST-23	1	Yes	3.500	1.00	3.500	42.39	3.500	3.500
			No	3.500	1.00	3.500	156.80		
S196	ST-23	1	Yes	3.500	1.00	3.500	42.39	3.500	3.500
			No	3.500	1.00	3.500	156.80		
S197	ST-23	1	Yes	3.500	1.00	3.500	42.39	3.500	3.500
			No	3.500	1.00	3.500	156.80		
S198	ST-23	1	Yes	3.500	1.00	3.500	42.39	3.500	3.500
			No	3.500	1.00	3.500	156.80		
S199	ST-23	1	Yes	3.500	1.00	3.500	42.39	3.500	3.500
			No	3.500	1.00	3.500	156.80		
S200	ST-23	1	Yes	3.500	1.00	3.500	42.39	3.500	3.500
			No	3.500	1.00	3.500	156.80		
S201	ST-15	1	Yes	1.500	3.57	5.359	45.86	1.000	1.000
			No	1.000	1.00	1.000	34.46		
S201	ST-15	2	Yes	1.500	3.57	5.359	45.86	0.500	0.500
			No	0.500	1.00	0.500	17.23		

Member	CS Name	Part	Sway y	Ly	ky	ly	Lam y	lyz	LTB
			Sway z	Lz	kz	lz	Lam z		
			[m]	[-]	[m]	[-]	[m]	[m]	[m]
S201	ST-15	3	Yes	7.000	1.62	11.346	97.09	0.500	0.500
			No	0.500	0.88	0.441	15.19		
S201	ST-15	4	Yes	7.000	1.62	11.346	97.09	1.000	1.000
			No	1.000	0.73	0.729	25.12		
S201	ST-15	5	Yes	7.000	1.62	11.346	97.09	1.000	1.000
			No	1.000	0.78	0.785	27.05		
S201	ST-15	6	Yes	7.000	1.62	11.346	97.09	1.000	1.000
			No	1.000	0.95	0.948	32.68		
S201	ST-15	7	Yes	7.000	1.62	11.346	97.09	1.000	1.000
			No	1.000	0.95	0.953	32.85		
S201	ST-15	8	Yes	7.000	1.62	11.346	97.09	1.000	1.000
			No	1.000	0.81	0.813	28.03		
S201	ST-15	9	Yes	7.000	1.62	11.346	97.09	1.000	1.000
			No	1.000	0.74	0.744	25.63		
S201	ST-15	10	Yes	7.000	1.62	11.346	97.09	0.500	0.500
			No	0.500	0.87	0.436	15.03		
S201	ST-15	11	Yes	1.500	3.59	5.384	46.07	0.500	0.500
			No	0.500	1.00	0.500	17.23		
S201	ST-15	12	Yes	1.500	3.59	5.384	46.07	1.000	1.000
			No	1.000	1.00	1.000	34.46		
S202	ST-15	1	Yes	1.500	3.55	5.327	45.58	1.000	1.000
			No	1.000	1.00	1.000	34.46		
S202	ST-15	2	Yes	1.500	3.55	5.327	45.58	0.500	0.500
			No	0.500	1.00	0.500	17.23		
S202	ST-15	3	Yes	7.000	1.58	11.055	94.60	0.500	0.500
			No	0.500	0.88	0.441	15.19		
S202	ST-15	4	Yes	7.000	1.58	11.055	94.60	1.000	1.000
			No	1.000	0.73	0.729	25.13		
S202	ST-15	5	Yes	7.000	1.58	11.055	94.60	1.000	1.000
			No	1.000	0.79	0.785	27.06		
S202	ST-15	6	Yes	7.000	1.58	11.055	94.60	1.000	1.000
			No	1.000	0.95	0.948	32.68		
S202	ST-15	7	Yes	7.000	1.58	11.055	94.60	1.000	1.000
			No	1.000	0.95	0.953	32.85		
S202	ST-15	8	Yes	7.000	1.58	11.055	94.60	1.000	1.000
			No	1.000	0.81	0.813	28.03		
S202	ST-15	9	Yes	7.000	1.58	11.055	94.60	1.000	1.000
			No	1.000	0.74	0.744	25.63		
S202	ST-15	10	Yes	7.000	1.58	11.055	94.60	0.500	0.500
			No	0.500	0.87	0.436	15.02		
S202	ST-15	11	Yes	1.500	3.52	5.283	45.21	0.500	0.500
			No	0.500	1.00	0.500	17.23		
S202	ST-15	12	Yes	1.500	3.52	5.283	45.21	1.000	1.000
			No	1.000	1.00	1.000	34.46		
S203	ST-23	1	Yes	3.500	1.00	3.500	42.39	3.500	3.500
			No	3.500	1.00	3.500	156.80		
S204	ST-23	1	Yes	3.500	1.00	3.500	42.39	3.500	3.500
			No	3.500	1.00	3.500	156.80		
S205	ST-23	1	Yes	3.500	1.00	3.500	42.39	3.500	3.500
			No	3.500	1.00	3.500	156.80		
S206	ST-23	1	Yes	3.500	1.00	3.500	42.39	3.500	3.500
			No	3.500	1.00	3.500	156.80		
S207	ST-23	1	Yes	3.500	1.00	3.500	42.39	3.500	3.500
			No	3.500	1.00	3.500	156.80		
S208	ST-23	1	Yes	3.500	1.00	3.500	42.39	3.500	3.500
			No	3.500	1.00	3.500	156.80		
S209	ST-23	1	Yes	3.500	1.00	3.500	42.39	3.500	3.500
			No	3.500	1.00	3.500	156.80		
S210	ST-23	1	Yes	3.500	1.00	3.500	42.39	3.500	3.500
			No	3.500	1.00	3.500	156.80		
S211	ST-23	1	Yes	3.500	1.00	3.500	42.39	3.500	3.500
			No	3.500	1.00	3.500	156.80		
S212	ST-23	1	Yes	3.500	1.00	3.500	42.39	3.500	3.500
			No	3.500	1.00	3.500	156.80		
S213	ST-23	1	Yes	3.500	1.00	3.500	42.39	3.500	3.500

Member	CS Name	Part	Sway y	Ly	ky	ly	Lam y	lyz	LTB
			Sway z	Lz	kz	lz	Lam z		
			No	3.500	1.00	3.500	156.80		
S214	ST-15	1	Yes	1.500	3.64	5.466	46.77	1.000	1.000
			No	1.000	1.00	1.000	34.46		
S214	ST-15	2	Yes	1.500	3.64	5.466	46.77	0.500	0.500
			No	0.500	1.00	0.500	17.23		
S214	ST-15	3	Yes	7.000	1.65	11.560	98.92	0.500	0.500
			No	0.500	0.88	0.442	15.23		
S214	ST-15	4	Yes	7.000	1.65	11.560	98.92	1.000	1.000
			No	1.000	0.72	0.724	24.96		
S214	ST-15	5	Yes	7.000	1.65	11.560	98.92	1.000	1.000
			No	1.000	0.78	0.777	26.79		
S214	ST-15	6	Yes	7.000	1.65	11.560	98.92	1.000	1.000
			No	1.000	0.95	0.947	32.64		
S214	ST-15	7	Yes	7.000	1.65	11.560	98.92	1.000	1.000
			No	1.000	0.95	0.952	32.82		
S214	ST-15	8	Yes	7.000	1.65	11.560	98.92	1.000	1.000
			No	1.000	0.81	0.807	27.82		
S214	ST-15	9	Yes	7.000	1.65	11.560	98.92	1.000	1.000
			No	1.000	0.74	0.741	25.53		
S214	ST-15	10	Yes	7.000	1.65	11.560	98.92	0.500	0.500
			No	0.500	0.87	0.437	15.07		
S214	ST-15	11	Yes	1.500	3.66	5.490	46.98	0.500	0.500
			No	0.500	1.00	0.500	17.23		
S214	ST-15	12	Yes	1.500	3.66	5.490	46.98	1.000	1.000
			No	1.000	1.00	1.000	34.46		
S215	ST-15	1	Yes	1.500	3.62	5.434	46.50	1.000	1.000
			No	1.000	1.00	1.000	34.46		
S215	ST-15	2	Yes	1.500	3.62	5.434	46.50	0.500	0.500
			No	0.500	1.00	0.500	17.23		
S215	ST-15	3	Yes	7.000	1.61	11.270	96.44	0.500	0.500
			No	0.500	0.88	0.442	15.22		
S215	ST-15	4	Yes	7.000	1.61	11.270	96.44	1.000	1.000
			No	1.000	0.72	0.724	24.97		
S215	ST-15	5	Yes	7.000	1.61	11.270	96.44	1.000	1.000
			No	1.000	0.78	0.777	26.80		
S215	ST-15	6	Yes	7.000	1.61	11.270	96.44	1.000	1.000
			No	1.000	0.95	0.947	32.64		
S215	ST-15	7	Yes	7.000	1.61	11.270	96.44	1.000	1.000
			No	1.000	0.95	0.952	32.82		
S215	ST-15	8	Yes	7.000	1.61	11.270	96.44	1.000	1.000
			No	1.000	0.81	0.807	27.82		
S215	ST-15	9	Yes	7.000	1.61	11.270	96.44	1.000	1.000
			No	1.000	0.74	0.741	25.53		
S215	ST-15	10	Yes	7.000	1.61	11.270	96.44	0.500	0.500
			No	0.500	0.87	0.437	15.07		
S215	ST-15	11	Yes	1.500	3.60	5.394	46.16	0.500	0.500
			No	0.500	1.00	0.500	17.23		
S215	ST-15	12	Yes	1.500	3.60	5.394	46.16	1.000	1.000
			No	1.000	1.00	1.000	34.46		
S216	ST-23	1	Yes	3.500	1.00	3.500	42.39	3.500	3.500
			No	3.500	1.00	3.500	156.80		
S217	ST-23	1	Yes	3.500	1.00	3.500	42.39	3.500	3.500
			No	3.500	1.00	3.500	156.80		
S218	ST-23	1	Yes	3.500	1.00	3.500	42.39	3.500	3.500
			No	3.500	1.00	3.500	156.80		
S219	ST-23	1	Yes	3.500	1.00	3.500	42.39	3.500	3.500
			No	3.500	1.00	3.500	156.80		
S220	ST-23	1	Yes	3.500	1.00	3.500	42.39	2.300	2.300
			No	2.300	0.75	1.729	77.47		
S220	ST-23	2	Yes	3.500	1.00	3.500	42.39	1.200	1.200
			No	1.200	0.77	0.925	41.44		
S221	ST-23	1	Yes	3.500	1.00	3.500	42.39	2.300	2.300
			No	2.300	0.75	1.726	77.31		
S221	ST-23	2	Yes	3.500	1.00	3.500	42.39	1.200	1.200
			No	1.200	0.77	0.922	41.30		

Member	CS Name	Part	Sway y	Ly	ky	ly	Lam y	lyz	LTB
			Sway z	Lz	kz	lz	Lam z		
S222	ST-23	1	Yes	3.500	1.00	3.500	42.39	3.500	3.500
			No	3.500	1.00	3.500	156.80		
S223	ST-23	1	Yes	3.500	1.00	3.500	42.39	3.500	3.500
			No	3.500	1.00	3.500	156.80		
S224	ST-23	1	Yes	3.500	1.00	3.500	42.39	2.300	2.300
			No	2.300	0.75	1.731	77.54		
S224	ST-23	2	Yes	3.500	1.00	3.500	42.39	1.200	1.200
			No	1.200	0.77	0.926	41.49		
S225	ST-23	1	Yes	3.500	1.00	3.500	42.39	3.500	3.500
			No	3.500	1.00	3.500	156.80		
S226	ST-23	1	Yes	3.500	1.00	3.500	42.39	3.500	3.500
			No	3.500	1.00	3.500	156.80		
S227	ST-15	1	Yes	1.500	3.74	5.603	47.95	1.000	1.000
			No	1.000	1.00	1.000	34.46		
S227	ST-15	2	Yes	1.500	3.74	5.603	47.95	0.500	0.500
			No	0.500	1.00	0.500	17.22		
S227	ST-15	3	Yes	7.000	1.61	11.293	96.63	0.500	0.500
			No	0.500	0.98	0.489	16.86		
S227	ST-15	4	Yes	7.000	1.61	11.293	96.63	1.000	1.000
			No	1.000	0.98	0.981	33.82		
S227	ST-15	5	Yes	7.000	1.61	11.293	96.63	1.000	1.000
			No	1.000	0.97	0.975	33.60		
S227	ST-15	6	Yes	7.000	1.61	11.293	96.63	1.000	1.000
			No	1.000	0.93	0.927	31.95		
S227	ST-15	7	Yes	7.000	1.61	11.293	96.63	1.000	1.000
			No	1.000	0.82	0.823	28.36		
S227	ST-15	8	Yes	7.000	1.61	11.293	96.63	1.000	1.000
			No	1.000	0.75	0.750	25.85		
S227	ST-15	9	Yes	7.000	1.61	11.293	96.63	1.000	1.000
			No	1.000	0.86	0.863	29.75		
S227	ST-15	10	Yes	7.000	1.61	11.293	96.63	0.500	0.500
			No	0.500	0.94	0.469	16.18		
S227	ST-15	11	Yes	1.500	3.98	5.966	51.05	0.500	0.500
			No	0.500	0.97	0.485	16.72		
S227	ST-15	12	Yes	1.500	3.98	5.966	51.05	1.000	1.000
			No	1.000	0.99	0.991	34.16		
S228	ST-15	1	Yes	1.500	1.67	2.504	21.43	1.000	1.000
			No	1.000	1.00	1.000	34.46		
S228	ST-15	2	Yes	1.500	1.67	2.504	21.43	0.500	0.500
			No	0.500	1.00	0.500	17.22		
S228	ST-15	3	Yes	5.800	1.39	8.058	68.95	0.500	0.500
			No	0.500	0.98	0.488	16.83		
S228	ST-15	4	Yes	5.800	1.39	8.058	68.95	1.000	1.000
			No	1.000	0.98	0.981	33.81		
S228	ST-15	5	Yes	5.800	1.39	8.058	68.95	1.000	1.000
			No	1.000	0.98	0.975	33.61		
S228	ST-15	6	Yes	5.800	1.39	8.058	68.95	1.000	1.000
			No	1.000	0.93	0.928	31.99		
S228	ST-15	7	Yes	5.800	1.39	8.058	68.95	1.000	1.000
			No	1.000	0.83	0.828	28.55		
S228	ST-15	8	Yes	5.800	1.39	8.058	68.95	1.000	1.000
			No	1.000	0.75	0.751	25.88		
S228	ST-15	9	Yes	5.800	1.39	8.058	68.95	1.000	1.000
			No	1.000	0.86	0.860	29.63		
S228	ST-15	10	Yes	1.200	3.76	4.518	38.66	1.000	1.000
			No	1.000	0.86	0.860	29.63		
S228	ST-15	11	Yes	1.200	3.76	4.518	38.66	0.500	0.500
			No	0.500	0.98	0.489	16.84		
S228	ST-15	12	Yes	1.500	6.54	9.810	83.94	0.500	0.500
			No	0.500	0.98	0.488	16.83		
S228	ST-15	13	Yes	1.500	6.54	9.810	83.94	1.000	1.000
			No	1.000	0.99	0.992	34.18		
S229	ST-23	1	Yes	3.500	1.00	3.500	42.39	3.500	3.500
			No	3.500	1.00	3.500	156.80		
S230	ST-23	1	Yes	3.500	1.00	3.500	42.39	3.500	3.500

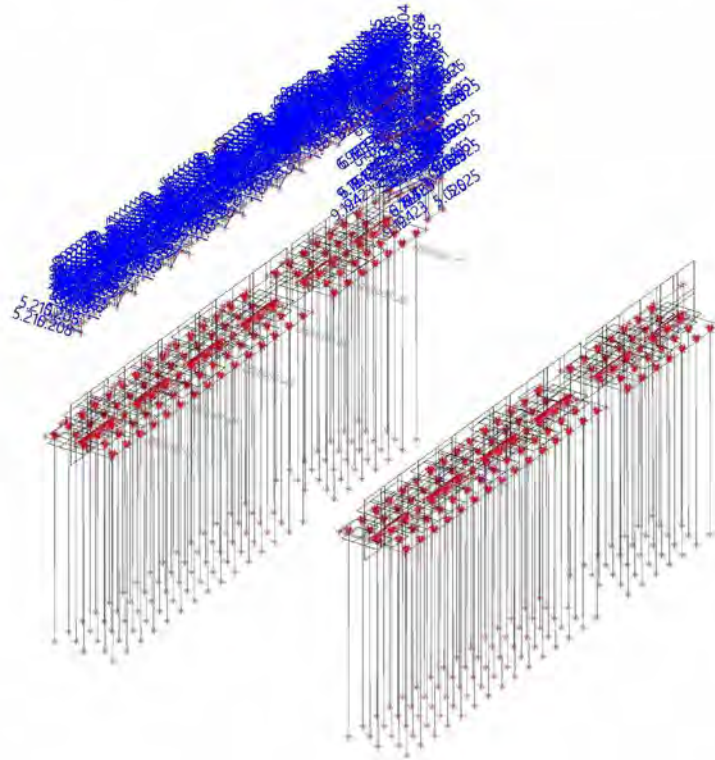
Member	CS Name	Part	Sway y	Ly	ky	ly	Lam y	lyz	LTB
			Sway z	Lz	kz	lz	Lam z		
			No	3.500	1.00	3.500	156.80		
S231	ST-23	1	Yes	3.500	1.00	3.500	42.39	3.500	3.500
			No	3.500	1.00	3.500	156.80		
S232	ST-23	1	Yes	3.500	1.00	3.500	42.39	3.500	3.500
			No	3.500	1.00	3.500	156.80		
S233	ST-23	1	Yes	3.500	1.00	3.500	42.39	3.500	3.500
			No	3.500	1.00	3.500	156.80		
S234	ST-23	1	Yes	3.500	1.00	3.500	42.39	3.500	3.500
			No	3.500	1.00	3.500	156.80		
S235	ST-23	1	Yes	3.500	1.00	3.500	42.39	3.500	3.500
			No	3.500	1.00	3.500	156.80		
S236	ST-23	1	Yes	3.500	1.00	3.500	42.39	3.500	3.500
			No	3.500	1.00	3.500	156.80		
S237	ST-23	1	Yes	3.500	1.00	3.500	42.39	3.500	3.500
			No	3.500	1.00	3.500	156.80		
S238	ST-23	1	Yes	3.500	1.00	3.500	42.39	3.500	3.500
			No	3.500	1.00	3.500	156.80		
S239	ST-23	1	Yes	3.500	1.00	3.500	42.39	3.500	3.500
			No	3.500	1.00	3.500	156.80		
S240	ST-15	1	Yes	1.500	3.67	5.507	47.13	1.000	1.000
			No	1.000	1.00	1.000	34.46		
S240	ST-15	2	Yes	1.500	3.67	5.507	47.13	0.500	0.500
			No	0.500	1.00	0.500	17.23		
S240	ST-15	3	Yes	7.000	1.66	11.644	99.64	0.500	0.500
			No	0.500	0.90	0.448	15.46		
S240	ST-15	4	Yes	7.000	1.66	11.644	99.64	1.000	1.000
			No	1.000	0.66	0.663	22.86		
S240	ST-15	5	Yes	7.000	1.66	11.644	99.64	1.000	1.000
			No	1.000	0.69	0.693	23.89		
S240	ST-15	6	Yes	7.000	1.66	11.644	99.64	1.000	1.000
			No	1.000	0.94	0.936	32.25		
S240	ST-15	7	Yes	7.000	1.66	11.644	99.64	1.000	1.000
			No	1.000	0.94	0.942	32.47		
S240	ST-15	8	Yes	7.000	1.66	11.644	99.64	1.000	1.000
			No	1.000	0.74	0.741	25.55		
S240	ST-15	9	Yes	7.000	1.66	11.644	99.64	1.000	1.000
			No	1.000	0.70	0.700	24.11		
S240	ST-15	10	Yes	7.000	1.66	11.644	99.64	0.500	0.500
			No	0.500	0.89	0.446	15.36		
S240	ST-15	11	Yes	1.500	3.69	5.531	47.33	0.500	0.500
			No	0.500	1.00	0.500	17.23		
S240	ST-15	12	Yes	1.500	3.69	5.531	47.33	1.000	1.000
			No	1.000	1.00	1.000	34.46		
S241	ST-15	1	Yes	1.500	3.65	5.477	46.87	1.000	1.000
			No	1.000	1.00	1.000	34.46		
S241	ST-15	2	Yes	1.500	3.65	5.477	46.87	0.500	0.500
			No	0.500	1.00	0.500	17.23		
S241	ST-15	3	Yes	7.000	1.62	11.354	97.15	0.500	0.500
			No	0.500	0.90	0.448	15.46		
S241	ST-15	4	Yes	7.000	1.62	11.354	97.15	1.000	1.000
			No	1.000	0.66	0.663	22.87		
S241	ST-15	5	Yes	7.000	1.62	11.354	97.15	1.000	1.000
			No	1.000	0.69	0.693	23.90		
S241	ST-15	6	Yes	7.000	1.62	11.354	97.15	1.000	1.000
			No	1.000	0.94	0.936	32.25		
S241	ST-15	7	Yes	7.000	1.62	11.354	97.15	1.000	1.000
			No	1.000	0.94	0.942	32.47		
S241	ST-15	8	Yes	7.000	1.62	11.354	97.15	1.000	1.000
			No	1.000	0.74	0.741	25.55		
S241	ST-15	9	Yes	7.000	1.62	11.354	97.15	1.000	1.000
			No	1.000	0.70	0.700	24.12		
S241	ST-15	10	Yes	7.000	1.62	11.354	97.15	0.500	0.500
			No	0.500	0.89	0.446	15.36		
S241	ST-15	11	Yes	1.500	3.63	5.438	46.53	0.500	0.500
			No	0.500	1.00	0.500	17.23		

Member	CS Name	Part	Sway y	Ly	ky	ly	Lam y	lyz	LTB
			Sway z	Lz	kz	lz	Lam z		
S241	ST-15	12	Yes	1.500	3.63	5.438	46.53	1.000	1.000
			No	1.000	1.00	1.000	34.46		
S242	ST-18	1	Yes	2.070	4.65	9.629	104.98	2.070	2.070
			No	2.070	0.99	2.044	37.02		
S242	ST-18	2	Yes	0.460	10.00	4.600	50.15	0.460	0.460
			No	0.460	1.00	0.460	8.32		
S243	ST-18	1	Yes	2.070	3.92	8.117	88.49	2.070	2.070
			No	2.070	0.82	1.705	30.88		
S243	ST-18	2	Yes	0.460	5.24	2.412	26.30	0.460	0.460
			No	0.460	1.00	0.460	8.32		
S244	ST-18	1	Yes	2.070	3.95	8.168	89.05	2.070	2.070
			No	2.070	0.86	1.790	32.42		
S244	ST-18	2	Yes	0.460	5.07	2.333	25.43	0.460	0.460
			No	0.460	1.00	0.459	8.32		
S245	ST-18	1	Yes	2.070	2.46	5.091	55.50	2.070	2.070
			No	2.070	0.95	1.958	35.47		
S245	ST-18	2	Yes	0.460	7.29	3.353	36.55	0.460	0.460
			No	0.460	1.00	0.459	8.32		
S246	ST-18	1	Yes	1.200	5.64	6.769	73.80	1.200	1.200
			No	1.200	1.00	1.198	21.71		
S247	ST-18	1	Yes	1.200	3.13	3.758	40.97	1.200	1.200
			No	1.200	1.00	1.198	21.71		
S248	ST-18	1	Yes	1.200	8.15	9.782	106.65	1.200	1.200
			No	1.200	1.00	1.199	21.71		
S249	ST-18	1	Yes	1.200	5.94	7.123	77.65	1.200	1.200
			No	1.200	1.00	1.198	21.70		
S250	ST-18	1	Yes	0.500	1.00	0.500	5.45	0.500	0.500
			No	0.500	1.00	0.500	9.06		
S251	ST-18	1	Yes	1.000	1.00	1.000	10.90	1.000	1.000
			No	1.000	1.00	1.000	18.11		
S251	ST-18	2	Yes	1.000	1.00	1.000	10.90	1.000	1.000
			No	1.000	1.00	1.000	18.11		
S252	ST-20	1	Yes	3.500	1.00	3.500	31.82	3.500	3.500
			No	3.500	1.00	3.500	53.82		
S253	ST-20	1	Yes	3.500	1.00	3.500	31.82	3.500	3.500
			No	3.500	1.00	3.500	53.82		
S254	ST-20	1	Yes	3.500	1.00	3.500	31.82	3.500	3.500
			No	3.500	1.00	3.500	53.82		
S255	ST-20	1	Yes	3.500	1.00	3.500	31.82	3.500	3.500
			No	3.500	1.00	3.500	53.82		
S256	ST-20	1	Yes	3.500	1.00	3.500	31.82	3.500	3.500
			No	3.500	1.00	3.500	53.82		
S257	ST-20	1	Yes	3.500	1.00	3.500	31.82	3.500	3.500
			No	3.500	1.00	3.500	53.82		
S258	ST-20	1	Yes	3.500	1.00	3.500	31.82	3.500	3.500
			No	3.500	1.00	3.500	53.82		
S259	ST-20	1	Yes	3.500	1.00	3.500	31.82	3.500	3.500
			No	3.500	1.00	3.500	53.82		
S260	ST-20	1	Yes	3.500	1.00	3.500	31.82	3.500	3.500
			No	3.500	1.00	3.500	53.82		
S261	ST-20	1	Yes	3.500	1.00	3.500	31.82	3.500	3.500
			No	3.500	1.00	3.500	53.82		
S262	ST-20	1	Yes	3.500	1.00	3.500	31.82	3.500	3.500
			No	3.500	1.00	3.500	53.82		
S339	ST-20	1	Yes	3.500	1.00	3.500	31.82	3.500	3.500
			No	3.500	1.00	3.500	53.82		
S340	ST-23	1	Yes	3.500	1.40	4.917	59.56	3.500	3.500
			No	3.500	0.56	1.971	88.30		
S341	ST-23	1	Yes	3.500	1.36	4.757	57.61	3.500	3.500
			No	3.500	0.58	2.017	90.38		
S342	ST-23	1	Yes	3.500	1.36	4.751	57.55	3.500	3.500
			No	3.500	0.58	2.013	90.18		
S343	ST-23	1	Yes	3.500	1.40	4.911	59.48	3.500	3.500
			No	3.500	0.56	1.967	88.10		
S344	ST-23	1	Yes	3.500	1.36	4.751	57.54	3.500	3.500

Member	CS Name	Part	Sway y	Ly	ky	ly	Lam y	lyz	LTB
			[m]	[-]	[m]	[-]	[m]	[m]	
			Sway z	Lz	kz	lz	Lam z		
			[m]	[-]	[m]	[-]	[m]		
			No	3.500	0.58	2.013	90.17		
S345	ST-23	1	Yes	3.500	1.40	4.911	59.48	3.500	3.500
			No	3.500	0.56	1.966	88.09		
S346	ST-23	1	Yes	3.500	1.36	4.747	57.49	3.500	3.500
			No	3.500	0.58	2.016	90.33		
S347	ST-23	1	Yes	3.500	1.40	4.907	59.43	3.500	3.500
			No	3.500	0.56	1.970	88.25		
S348	ST-23	1	Yes	3.500	1.35	4.726	57.24	3.500	3.500
			No	3.500	0.71	2.499	111.95		
S349	ST-23	1	Yes	2.300	1.27	2.924	35.41	2.300	2.300
			No	2.300	0.58	1.325	59.36		
S349	ST-23	2	Yes	1.200	2.89	3.467	41.98	1.200	1.200
			No	1.200	0.80	0.965	43.24		
S350	ST-23	1	Yes	3.500	1.36	4.743	57.45	3.500	3.500
			No	3.500	0.58	2.043	91.51		
S351	ST-23	1	Yes	3.500	1.40	4.903	59.38	3.500	3.500
			No	3.500	0.57	1.996	89.42		
S352	ST-18	1	Yes	0.500	1.00	0.500	5.45	0.500	0.500
			No	0.500	1.00	0.500	9.06		
S432	ST-24	1	Yes	1.881	1.00	1.881	38.43	1.881	1.881
			No	1.881	1.00	1.881	62.25		
S532	ST-24	1	Yes	1.881	1.00	1.881	38.43	1.881	1.881
			No	1.881	1.00	1.881	62.25		
S533	ST-24	1	Yes	1.881	1.00	1.881	38.43	1.881	1.881
			No	1.881	1.00	1.881	62.25		
S534	ST-24	1	Yes	1.881	1.00	1.881	38.43	1.881	1.881
			No	1.881	1.00	1.881	62.25		
S535	ST-24	1	Yes	1.881	1.00	1.881	38.43	1.881	1.881
			No	1.881	1.00	1.881	62.25		
S536	ST-24	1	Yes	1.881	1.00	1.881	38.43	1.881	1.881
			No	1.881	1.00	1.881	62.25		
S537	ST-24	1	Yes	1.881	1.00	1.881	38.43	1.881	1.881
			No	1.881	1.00	1.881	62.25		
S538	ST-24	1	Yes	1.881	1.00	1.881	38.43	1.881	1.881
			No	1.881	1.00	1.881	62.25		
S539	ST-24	1	Yes	1.881	1.00	1.881	38.43	1.881	1.881
			No	1.881	1.00	1.881	62.25		
S540	ST-24	1	Yes	1.881	1.00	1.881	38.43	1.881	1.881
			No	1.881	1.00	1.881	62.25		
S541	ST-24	1	Yes	1.881	1.00	1.881	38.43	1.881	1.881
			No	1.881	1.00	1.881	62.25		
S542	ST-24	1	Yes	1.881	1.00	1.881	38.43	1.881	1.881
			No	1.881	1.00	1.881	62.25		
S543	ST-24	1	Yes	1.881	1.00	1.881	38.43	1.881	1.881
			No	1.881	1.00	1.881	62.25		
S544	ST-24	1	Yes	1.881	1.00	1.881	38.43	1.881	1.881
			No	1.881	1.00	1.881	62.25		
S545	ST-24	1	Yes	1.881	1.00	1.881	38.43	1.881	1.881
			No	1.881	1.00	1.881	62.25		
S546	ST-24	1	Yes	1.881	1.00	1.881	38.43	1.881	1.881
			No	1.881	1.00	1.881	62.25		
S547	ST-24	1	Yes	1.881	1.00	1.881	38.43	1.881	1.881
			No	1.881	1.00	1.881	62.25		
S548	ST-24	1	Yes	1.881	1.00	1.881	38.43	1.881	1.881
			No	1.881	1.00	1.881	62.25		
S549	ST-24	1	Yes	1.881	1.00	1.881	38.43	1.881	1.881
			No	1.881	1.00	1.881	62.25		
S550	ST-24	1	Yes	1.881	1.00	1.881	38.43	1.881	1.881
			No	1.881	1.00	1.881	62.25		
S551	ST-24	1	Yes	1.881	1.00	1.881	38.43	1.881	1.881
			No	1.881	1.00	1.881	62.25		
S552	ST-24	1	Yes	1.881	1.00	1.881	38.43	1.881	1.881
			No	1.881	1.00	1.881	62.25		
S553	ST-24	1	Yes	1.881	1.00	1.881	38.43	1.881	1.881
			No	1.881	1.00	1.881	62.25		

Member	CS Name	Part	Sway y	Ly	ky	ly	Lam y	lyz	LTB
			[m]	[m]	[-]	[m]	[-]	[m]	
			Sway z	Lz	kz	lz	Lam z		
			[m]	[m]	[-]	[m]	[-]		
S554	ST-24	1	Yes	1.881	1.00	1.881	38.43	1.881	1.881
			No	1.881	1.00	1.881	62.25		

2.2. ly



Name	dx [m]	Case	Cross-section	Material	UC _{Overall} [-]	UC _{Sec} [-]	UC _{Stair} [-]
				10025-2)			
S43	3.400+	UGT-Set B/1	ST-12 - IPE300	S 235 JR (EN 10025-2)	0.18	0.18	0.00
S44	0.000	UGT-Set B/2	ST-12 - IPE300	S 235 JR (EN 10025-2)	0.79	0.79	0.00
S45	3.400+	UGT-Set B/2	ST-12 - IPE300	S 235 JR (EN 10025-2)	0.18	0.18	0.00
S46	0.000	UGT-Set B/2	ST-12 - IPE300	S 235 JR (EN 10025-2)	0.82	0.82	0.00
S51	0.000	UGT-Set B/3	ST-13 - HEA140	S 235 JR (EN 10025-2)	0.10	0.03	0.10
S52	0.000	UGT-Set B/4	ST-13 - HEA140	S 235 JR (EN 10025-2)	0.10	0.03	0.10
S53	0.000	UGT-Set B/3	ST-13 - HEA140	S 235 JR (EN 10025-2)	0.13	0.04	0.13
S54	0.000	UGT-Set B/4	ST-13 - HEA140	S 235 JR (EN 10025-2)	0.13	0.04	0.13
S55	0.000	UGT-Set B/5	ST-13 - HEA140	S 235 JR (EN 10025-2)	0.08	0.02	0.08
S56	0.000	UGT-Set B/4	ST-13 - HEA140	S 235 JR (EN 10025-2)	0.08	0.02	0.08
S57	0.000	UGT-Set B/3	ST-13 - HEA140	S 235 JR (EN 10025-2)	0.10	0.03	0.10
S58	0.000	UGT-Set B/4	ST-13 - HEA140	S 235 JR (EN 10025-2)	0.10	0.03	0.10
S59	0.000	UGT-Set B/3	ST-13 - HEA140	S 235 JR (EN 10025-2)	0.02	0.02	0.00
S60	0.000	UGT-Set B/4	ST-13 - HEA140	S 235 JR (EN 10025-2)	0.02	0.02	0.00
S61	0.000	UGT-Set B/3	ST-13 - HEA140	S 235 JR (EN 10025-2)	0.07	0.02	0.07
S62	0.000	UGT-Set B/6	ST-13 - HEA140	S 235 JR (EN 10025-2)	0.07	0.02	0.07
S63	0.000	UGT-Set B/5	ST-13 - HEA140	S 235 JR (EN 10025-2)	0.01	0.01	0.00
S64	0.000	UGT-Set B/4	ST-13 - HEA140	S 235 JR (EN 10025-2)	0.01	0.01	0.00
S65	0.000	UGT-Set B/3	ST-13 - HEA140	S 235 JR (EN 10025-2)	0.07	0.02	0.07
S66	0.000	UGT-Set B/4	ST-13 - HEA140	S 235 JR (EN 10025-2)	0.07	0.02	0.07
S67	7.061	UGT-Set B/7	ST-14 - UNP200	S 235 JR (EN 10025-2)	0.24	0.03	0.24
S68	0.000	UGT-Set B/7	ST-14 - UNP200	S 235 JR (EN 10025-2)	0.24	0.03	0.24
S71	5.040-	UGT-Set B/7	ST-14 - UNP200	S 235 JR (EN 10025-2)	0.38	0.30	0.38
S72	3.020+	UGT-Set B/7	ST-14 - UNP200	S 235 JR (EN 10025-2)	0.38	0.31	0.38
S76	3.020+	UGT-Set B/7	ST-14 - UNP200	S 235 JR (EN 10025-2)	0.38	0.31	0.38
S78	5.040-	UGT-Set B/7	ST-14 - UNP200	S 235 JR (EN 10025-2)	0.38	0.30	0.38
S79	3.020+	UGT-Set B/7	ST-14 - UNP200	S 235 JR (EN 10025-2)	0.38	0.31	0.38
S81	5.040-	UGT-Set B/7	ST-14 - UNP200	S 235 JR (EN 10025-2)	0.38	0.30	0.38
S83	3.400	UGT-Set B/2	ST-12 - IPE300	S 235 JR (EN 10025-2)	0.43	0.20	0.43
S84	8.500-	UGT-Set B/8	ST-15 - UNP300	S 235 JR (EN 10025-2)	0.43	0.43	0.33
S85	1.500+	UGT-Set B/9	ST-15 - UNP300	S 235 JR (EN 10025-2)	0.51	0.51	0.40
S86	1.135	UGT-Set B/10	ST-18 - HEA220	S 235 JR (EN 10025-2)	0.38	0.38	0.28
S114	1.135	UGT-Set B/10	ST-18 - HEA220	S 235 JR (EN 10025-2)	0.48	0.48	0.34
S115	1.135	UGT-Set B/11	ST-18 - HEA220	S 235 JR (EN 10025-2)	0.40	0.40	0.29
S116	1.135	UGT-Set B/11	ST-18 - HEA220	S 235 JR (EN 10025-2)	0.49	0.49	0.35
S117	1.135	UGT-Set B/12	ST-18 - HEA220	S 235 JR (EN 10025-2)	0.38	0.38	0.28
S118	1.135	UGT-Set B/12	ST-18 - HEA220	S 235 JR (EN 10025-2)	0.47	0.47	0.34
S119	1.135	UGT-Set B/13	ST-18 - HEA220	S 235 JR (EN 10025-2)	0.40	0.40	0.31
S120	1.135	UGT-Set B/14	ST-18 - HEA220	S 235 JR (EN 10025-2)	0.48	0.48	0.37
S121	1.135	UGT-Set B/15	ST-18 - HEA220	S 235 JR (EN 10025-2)	0.38	0.38	0.28
S122	1.135	UGT-Set B/15	ST-18 - HEA220	S 235 JR (EN 10025-2)	0.48	0.48	0.34
S123	1.135	UGT-Set B/16	ST-18 - HEA220	S 235 JR (EN 10025-2)	0.39	0.39	0.29

Name	dx [m]	Case	Cross-section	Material	UC _{Overall} [-]	UC _{Sec} [-]	UC _{Stair} [-]
S124	1.135	UGT-Set B/16	ST-18 - HEA220	S 235 JR (EN 10025-2)	0.49	0.49	0.35
S125	1.135	UGT-Set B/17	ST-18 - HEA220	S 235 JR (EN 10025-2)	0.38	0.38	0.28
S126	1.135	UGT-Set B/17	ST-18 - HEA220	S 235 JR (EN 10025-2)	0.47	0.47	0.34
S127	1.135	UGT-Set B/18	ST-18 - HEA220	S 235 JR (EN 10025-2)	0.39	0.39	0.29
S128	1.135	UGT-Set B/18	ST-18 - HEA220	S 235 JR (EN 10025-2)	0.49	0.49	0.35
S129	1.135	UGT-Set B/19	ST-18 - HEA220	S 235 JR (EN 10025-2)	0.38	0.38	0.28
S130	1.135	UGT-Set B/19	ST-18 - HEA220	S 235 JR (EN 10025-2)	0.47	0.47	0.34
S131	1.135	UGT-Set B/20	ST-18 - HEA220	S 235 JR (EN 10025-2)	0.39	0.39	0.29
S132	1.135	UGT-Set B/20	ST-18 - HEA220	S 235 JR (EN 10025-2)	0.49	0.49	0.35
S133	1.135	UGT-Set B/21	ST-18 - HEA220	S 235 JR (EN 10025-2)	0.38	0.38	0.28
S134	1.135	UGT-Set B/21	ST-18 - HEA220	S 235 JR (EN 10025-2)	0.47	0.47	0.34
S135	1.135	UGT-Set B/22	ST-18 - HEA220	S 235 JR (EN 10025-2)	0.39	0.39	0.29
S136	1.135	UGT-Set B/22	ST-18 - HEA220	S 235 JR (EN 10025-2)	0.49	0.49	0.35
S161	8.500-	UGT-Set B/23	ST-15 - UNP300	S 235 JR (EN 10025-2)	0.43	0.43	0.33
S166	1.750	UGT-Set B/24	ST-23 - IPE200	S 235 JR (EN 10025-2)	0.14	0.14	0.00
S167	1.750	UGT-Set B/25	ST-23 - IPE200	S 235 JR (EN 10025-2)	0.16	0.12	0.16
S168	1.750	UGT-Set B/26	ST-23 - IPE200	S 235 JR (EN 10025-2)	0.16	0.12	0.16
S169	1.750	UGT-Set B/26	ST-23 - IPE200	S 235 JR (EN 10025-2)	0.16	0.12	0.16
S170	1.750	UGT-Set B/27	ST-23 - IPE200	S 235 JR (EN 10025-2)	0.16	0.12	0.16
S171	1.750	UGT-Set B/28	ST-23 - IPE200	S 235 JR (EN 10025-2)	0.16	0.12	0.16
S172	1.750	UGT-Set B/29	ST-23 - IPE200	S 235 JR (EN 10025-2)	0.16	0.12	0.16
S174	1.750	UGT-Set B/29	ST-23 - IPE200	S 235 JR (EN 10025-2)	0.16	0.12	0.16
S175	1.750	UGT-Set B/29	ST-23 - IPE200	S 235 JR (EN 10025-2)	0.16	0.12	0.16
S176	1.750	UGT-Set B/30	ST-23 - IPE200	S 235 JR (EN 10025-2)	0.16	0.12	0.16
S177	1.750	UGT-Set B/25	ST-23 - IPE200	S 235 JR (EN 10025-2)	0.16	0.12	0.16
S178	1.500+	UGT-Set B/31	ST-15 - UNP300	S 235 JR (EN 10025-2)	0.51	0.51	0.40
S179	1.750	UGT-Set B/32	ST-23 - IPE200	S 235 JR (EN 10025-2)	0.28	0.24	0.28
S180	1.750	UGT-Set B/33	ST-23 - IPE200	S 235 JR (EN 10025-2)	0.14	0.14	0.00
S181	1.750	UGT-Set B/34	ST-23 - IPE200	S 235 JR (EN 10025-2)	0.16	0.12	0.16
S182	1.750	UGT-Set B/35	ST-23 - IPE200	S 235 JR (EN 10025-2)	0.16	0.12	0.16
S183	1.750	UGT-Set B/35	ST-23 - IPE200	S 235 JR (EN 10025-2)	0.16	0.12	0.16
S184	1.750	UGT-Set B/36	ST-23 - IPE200	S 235 JR (EN 10025-2)	0.16	0.12	0.16
S185	1.750	UGT-Set B/36	ST-23 - IPE200	S 235 JR (EN 10025-2)	0.16	0.12	0.16
S186	1.750	UGT-Set B/32	ST-23 - IPE200	S 235 JR (EN 10025-2)	0.16	0.12	0.16
S187	1.750	UGT-Set B/32	ST-23 - IPE200	S 235 JR (EN 10025-2)	0.16	0.12	0.16
S188	1.750	UGT-Set B/37	ST-23 - IPE200	S 235 JR (EN 10025-2)	0.16	0.12	0.16
S189	1.750	UGT-Set B/37	ST-23 - IPE200	S 235 JR (EN 10025-2)	0.16	0.12	0.16
S190	1.750	UGT-Set B/38	ST-23 - IPE200	S 235 JR (EN 10025-2)	0.14	0.14	0.00
S191	1.750	UGT-Set B/39	ST-23 - IPE200	S 235 JR (EN 10025-2)	0.16	0.12	0.16
S192	1.750	UGT-Set B/40	ST-23 - IPE200	S 235 JR (EN 10025-2)	0.16	0.12	0.16
S193	1.750	UGT-Set B/40	ST-23 - IPE200	S 235 JR (EN 10025-2)	0.16	0.12	0.16
S194	1.750	UGT-Set B/41	ST-23 - IPE200	S 235 JR (EN 10025-2)	0.16	0.12	0.16

Name	dx [m]	Casa	Cross-section	Material	UC _{Overall} [-]	UC _{Sec} [-]	UC _{Stair} [-]
S195	1.750	UGT-Set B/41	ST-23 - IPE200	S 235 JR (EN 10025-2)	0.16	0.12	0.16
S196	1.750	UGT-Set B/42	ST-23 - IPE200	S 235 JR (EN 10025-2)	0.16	0.12	0.16
S197	1.750	UGT-Set B/42	ST-23 - IPE200	S 235 JR (EN 10025-2)	0.16	0.12	0.16
S198	1.750	UGT-Set B/43	ST-23 - IPE200	S 235 JR (EN 10025-2)	0.16	0.12	0.16
S199	1.750	UGT-Set B/39	ST-23 - IPE200	S 235 JR (EN 10025-2)	0.16	0.12	0.16
S200	1.750	UGT-Set B/39	ST-23 - IPE200	S 235 JR (EN 10025-2)	0.16	0.12	0.16
S201	8.500-	UGT-Set B/44	ST-15 - UNP300	S 235 JR (EN 10025-2)	0.43	0.43	0.33
S202	1.500+	UGT-Set B/45	ST-15 - UNP300	S 235 JR (EN 10025-2)	0.51	0.51	0.40
S203	1.750	UGT-Set B/46	ST-23 - IPE200	S 235 JR (EN 10025-2)	0.14	0.14	0.00
S204	1.750	UGT-Set B/47	ST-23 - IPE200	S 235 JR (EN 10025-2)	0.16	0.12	0.16
S205	1.750	UGT-Set B/48	ST-23 - IPE200	S 235 JR (EN 10025-2)	0.16	0.12	0.16
S206	1.750	UGT-Set B/48	ST-23 - IPE200	S 235 JR (EN 10025-2)	0.16	0.12	0.16
S207	1.750	UGT-Set B/49	ST-23 - IPE200	S 235 JR (EN 10025-2)	0.16	0.12	0.16
S208	1.750	UGT-Set B/49	ST-23 - IPE200	S 235 JR (EN 10025-2)	0.16	0.12	0.16
S209	1.750	UGT-Set B/50	ST-23 - IPE200	S 235 JR (EN 10025-2)	0.16	0.12	0.16
S210	1.750	UGT-Set B/50	ST-23 - IPE200	S 235 JR (EN 10025-2)	0.16	0.12	0.16
S211	1.750	UGT-Set B/51	ST-23 - IPE200	S 235 JR (EN 10025-2)	0.16	0.12	0.16
S212	1.750	UGT-Set B/47	ST-23 - IPE200	S 235 JR (EN 10025-2)	0.16	0.12	0.16
S213	1.750	UGT-Set B/47	ST-23 - IPE200	S 235 JR (EN 10025-2)	0.16	0.12	0.16
S214	8.500-	UGT-Set B/52	ST-15 - UNP300	S 235 JR (EN 10025-2)	0.43	0.43	0.33
S215	1.500+	UGT-Set B/53	ST-15 - UNP300	S 235 JR (EN 10025-2)	0.51	0.51	0.40
S216	1.750	UGT-Set B/54	ST-23 - IPE200	S 235 JR (EN 10025-2)	0.16	0.12	0.16
S217	1.750	UGT-Set B/55	ST-23 - IPE200	S 235 JR (EN 10025-2)	0.16	0.12	0.16
S218	1.750	UGT-Set B/56	ST-23 - IPE200	S 235 JR (EN 10025-2)	0.16	0.12	0.16
S219	1.750	UGT-Set B/57	ST-23 - IPE200	S 235 JR (EN 10025-2)	0.16	0.12	0.16
S220	1.917	UGT-Set B/58	ST-23 - IPE200	S 235 JR (EN 10025-2)	0.21	0.16	0.21
S221	2.300-	UGT-Set B/57	ST-23 - IPE200	S 235 JR (EN 10025-2)	0.29	0.29	0.00
S222	1.750	UGT-Set B/59	ST-23 - IPE200	S 235 JR (EN 10025-2)	0.16	0.12	0.16
S223	1.750	UGT-Set B/60	ST-23 - IPE200	S 235 JR (EN 10025-2)	0.16	0.12	0.16
S224	1.917	UGT-Set B/57	ST-23 - IPE200	S 235 JR (EN 10025-2)	0.17	0.12	0.17
S225	1.750	UGT-Set B/58	ST-23 - IPE200	S 235 JR (EN 10025-2)	0.16	0.12	0.16
S226	1.750	UGT-Set B/61	ST-23 - IPE200	S 235 JR (EN 10025-2)	0.16	0.12	0.16
S227	1.500+	UGT-Set B/62	ST-15 - UNP300	S 235 JR (EN 10025-2)	0.46	0.46	0.36
S228	1.500+	UGT-Set B/63	ST-15 - UNP300	S 235 JR (EN 10025-2)	0.55	0.55	0.43
S229	1.750	UGT-Set B/64	ST-23 - IPE200	S 235 JR (EN 10025-2)	0.14	0.14	0.00
S230	1.750	UGT-Set B/54	ST-23 - IPE200	S 235 JR (EN 10025-2)	0.16	0.12	0.16
S231	1.750	UGT-Set B/65	ST-23 - IPE200	S 235 JR (EN 10025-2)	0.16	0.12	0.16
S232	1.750	UGT-Set B/65	ST-23 - IPE200	S 235 JR (EN 10025-2)	0.16	0.12	0.16
S233	1.750	UGT-Set B/66	ST-23 - IPE200	S 235 JR (EN 10025-2)	0.16	0.12	0.16
S234	1.750	UGT-Set B/66	ST-23 - IPE200	S 235 JR (EN 10025-2)	0.16	0.12	0.16
S235	1.750	UGT-Set B/60	ST-23 - IPE200	S 235 JR (EN 10025-2)	0.16	0.12	0.16
S236	1.750	UGT-Set B/60	ST-23 - IPE200	S 235 JR (EN 10025-2)	0.16	0.12	0.16

Name	dx [m]	Casa	Cross-section	Material	UC _{Overall} [-]	UC _{Sec} [-]	UC _{Stair} [-]
				10025-2)			
S237	1.750	UGT-Set B/67	ST-23 - IPE200	S 235 JR (EN 10025-2)	0.16	0.12	0.16
S238	1.750	UGT-Set B/68	ST-23 - IPE200	S 235 JR (EN 10025-2)	0.16	0.12	0.16
S239	1.750	UGT-Set B/54	ST-23 - IPE200	S 235 JR (EN 10025-2)	0.16	0.12	0.16
S240	8.500+	UGT-Set B/62	ST-15 - UNP300	S 235 JR (EN 10025-2)	0.43	0.43	0.33
S241	1.500+	UGT-Set B/69	ST-15 - UNP300	S 235 JR (EN 10025-2)	0.51	0.51	0.40
S242	2.070+	UGT-Set B/70	ST-18 - HEA220	S 235 JR (EN 10025-2)	0.15	0.15	0.01
S243	0.000	UGT-Set B/71	ST-18 - HEA220	S 235 JR (EN 10025-2)	0.20	0.20	0.00
S244	2.070+	UGT-Set B/70	ST-18 - HEA220	S 235 JR (EN 10025-2)	0.16	0.16	0.04
S245	2.070+	UGT-Set B/70	ST-18 - HEA220	S 235 JR (EN 10025-2)	0.15	0.15	0.04
S246	0.000	UGT-Set B/72	ST-18 - HEA220	S 235 JR (EN 10025-2)	0.05	0.05	0.00
S247	0.000	UGT-Set B/63	ST-18 - HEA220	S 235 JR (EN 10025-2)	0.05	0.05	0.04
S248	1.200	UGT-Set B/54	ST-18 - HEA220	S 235 JR (EN 10025-2)	0.05	0.05	0.00
S249	1.200	UGT-Set B/73	ST-18 - HEA220	S 235 JR (EN 10025-2)	0.04	0.04	0.00
S250	0.000	UGT-Set B/74	ST-18 - HEA220	S 235 JR (EN 10025-2)	0.01	0.01	0.00
S251	1.000	UGT-Set B/75	ST-18 - HEA220	S 235 JR (EN 10025-2)	0.04	0.04	0.01
S252	1.750	UGT-Set B/76	ST-20 - HEA260	S 235 JR (EN 10025-2)	0.18	0.18	0.00
S253	1.750	UGT-Set B/76	ST-20 - HEA260	S 235 JR (EN 10025-2)	0.18	0.18	0.00
S254	1.750	UGT-Set B/76	ST-20 - HEA260	S 235 JR (EN 10025-2)	0.18	0.18	0.00
S255	1.750	UGT-Set B/76	ST-20 - HEA260	S 235 JR (EN 10025-2)	0.18	0.18	0.00
S256	1.750	UGT-Set B/76	ST-20 - HEA260	S 235 JR (EN 10025-2)	0.18	0.18	0.00
S257	1.750	UGT-Set B/76	ST-20 - HEA260	S 235 JR (EN 10025-2)	0.18	0.18	0.00
S258	1.750	UGT-Set B/76	ST-20 - HEA260	S 235 JR (EN 10025-2)	0.18	0.18	0.00
S259	1.750	UGT-Set B/76	ST-20 - HEA260	S 235 JR (EN 10025-2)	0.18	0.18	0.00
S260	1.750	UGT-Set B/76	ST-20 - HEA260	S 235 JR (EN 10025-2)	0.18	0.18	0.00
S261	1.750	UGT-Set B/76	ST-20 - HEA260	S 235 JR (EN 10025-2)	0.18	0.18	0.00
S262	1.750	UGT-Set B/76	ST-20 - HEA260	S 235 JR (EN 10025-2)	0.18	0.18	0.00
S339	1.750	UGT-Set B/76	ST-20 - HEA260	S 235 JR (EN 10025-2)	0.18	0.18	0.00
S340	3.500	UGT-Set B/77	ST-23 - IPE200	S 235 JR (EN 10025-2)	0.32	0.32	0.27
S341	3.500	UGT-Set B/9	ST-23 - IPE200	S 235 JR (EN 10025-2)	0.32	0.32	0.28
S342	3.500	UGT-Set B/31	ST-23 - IPE200	S 235 JR (EN 10025-2)	0.32	0.32	0.28
S343	3.500	UGT-Set B/78	ST-23 - IPE200	S 235 JR (EN 10025-2)	0.32	0.32	0.27
S344	3.500	UGT-Set B/45	ST-23 - IPE200	S 235 JR (EN 10025-2)	0.32	0.32	0.28
S345	3.500	UGT-Set B/79	ST-23 - IPE200	S 235 JR (EN 10025-2)	0.32	0.32	0.27
S346	3.500	UGT-Set B/53	ST-23 - IPE200	S 235 JR (EN 10025-2)	0.32	0.32	0.28
S347	3.500	UGT-Set B/80	ST-23 - IPE200	S 235 JR (EN 10025-2)	0.32	0.32	0.27
S348	3.500	UGT-Set B/81	ST-23 - IPE200	S 235 JR (EN 10025-2)	0.41	0.41	0.30
S349	0.000	UGT-Set B/82	ST-23 - IPE200	S 235 JR (EN 10025-2)	0.52	0.52	0.52
S350	3.500	UGT-Set B/69	ST-23 - IPE200	S 235 JR (EN 10025-2)	0.32	0.32	0.28
S351	3.500	UGT-Set B/83	ST-23 - IPE200	S 235 JR (EN 10025-2)	0.32	0.32	0.27
S352	0.000	UGT-Set B/84	ST-18 - HEA220	S 235 JR (EN 10025-2)	0.01	0.01	0.00
S432	1.881	UGT-Set B/85	ST-24 - HEA120	S 235 JR (EN 10025-2)	0.06	0.06	0.00
S532	1.881	UGT-Set B/85	ST-24 - HEA120	S 235 JR (EN 10025-2)	0.07	0.07	0.00

Name	ifz [m]	Casa	Cross-section	Material	UC _{Overall} [-]	UC _{Sec} [-]	UC _{Stair} [-]
				10025-2)			
S533	1.881	UGT-Set B/86	ST-24 - HEA120	S 235 JR (EN 10025-2)	0.05	0.05	0.00
S534	1.881	UGT-Set B/86	ST-24 - HEA120	S 235 JR (EN 10025-2)	0.06	0.06	0.00
S535	1.881	UGT-Set B/87	ST-24 - HEA120	S 235 JR (EN 10025-2)	0.05	0.05	0.00
S536	1.881	UGT-Set B/87	ST-24 - HEA120	S 235 JR (EN 10025-2)	0.07	0.07	0.00
S537	1.881	UGT-Set B/88	ST-24 - HEA120	S 235 JR (EN 10025-2)	0.06	0.06	0.00
S538	1.881	UGT-Set B/89	ST-24 - HEA120	S 235 JR (EN 10025-2)	0.07	0.07	0.00
S539	1.881	UGT-Set B/90	ST-24 - HEA120	S 235 JR (EN 10025-2)	0.05	0.05	0.00
S540	1.881	UGT-Set B/90	ST-24 - HEA120	S 235 JR (EN 10025-2)	0.06	0.06	0.00
S541	1.881	UGT-Set B/91	ST-24 - HEA120	S 235 JR (EN 10025-2)	0.06	0.06	0.00
S542	1.881	UGT-Set B/91	ST-24 - HEA120	S 235 JR (EN 10025-2)	0.07	0.07	0.00
S543	1.881	UGT-Set B/92	ST-24 - HEA120	S 235 JR (EN 10025-2)	0.05	0.05	0.00
S544	1.881	UGT-Set B/92	ST-24 - HEA120	S 235 JR (EN 10025-2)	0.06	0.06	0.00
S545	1.881	UGT-Set B/93	ST-24 - HEA120	S 235 JR (EN 10025-2)	0.06	0.06	0.00
S546	1.881	UGT-Set B/93	ST-24 - HEA120	S 235 JR (EN 10025-2)	0.07	0.07	0.00
S547	1.881	UGT-Set B/94	ST-24 - HEA120	S 235 JR (EN 10025-2)	0.05	0.05	0.00
S548	1.881	UGT-Set B/95	ST-24 - HEA120	S 235 JR (EN 10025-2)	0.06	0.06	0.00
S549	1.881	UGT-Set B/96	ST-24 - HEA120	S 235 JR (EN 10025-2)	0.06	0.06	0.00
S550	1.881	UGT-Set B/96	ST-24 - HEA120	S 235 JR (EN 10025-2)	0.07	0.07	0.00
S551	1.881	UGT-Set B/97	ST-24 - HEA120	S 235 JR (EN 10025-2)	0.05	0.05	0.00
S552	1.881	UGT-Set B/97	ST-24 - HEA120	S 235 JR (EN 10025-2)	0.06	0.06	0.00
S553	1.881	UGT-Set B/98	ST-24 - HEA120	S 235 JR (EN 10025-2)	0.06	0.06	0.00
S554	1.881	UGT-Set B/98	ST-24 - HEA120	S 235 JR (EN 10025-2)	0.07	0.07	0.00

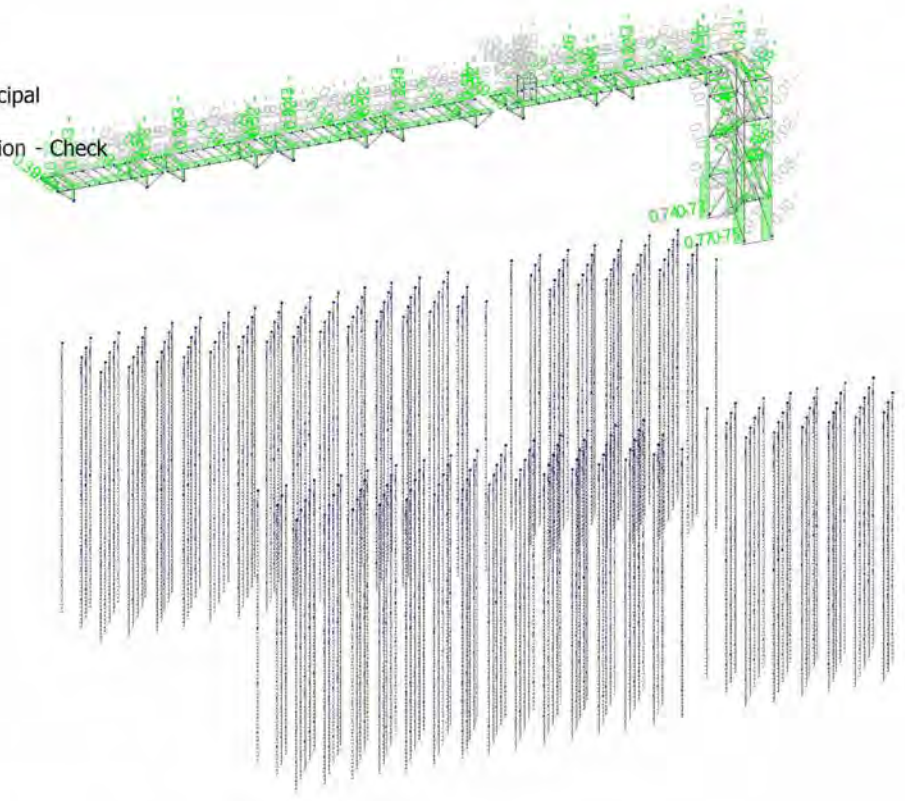
Name	Combination key
UGT-Set B/1	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG148
UGT-Set B/2	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG148
UGT-Set B/3	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG148
UGT-Set B/4	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG148
UGT-Set B/5	1.20*BG101 + 1.20*BG102 + 1.50*BG123
UGT-Set B/6	1.20*BG101 + 1.20*BG102 + 1.50*BG121
UGT-Set B/7	1.20*BG101 + 1.20*BG102 + 1.50*BG131 + 1.50*BG148
UGT-Set B/8	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG143 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149
UGT-Set B/9	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG143 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/10	1.20*BG101 + 1.20*BG102 + 1.50*BG111 + 1.50*BG141 + 1.50*BG147 + 1.50*BG150 + 1.50*BG151
UGT-Set B/11	1.20*BG101 + 1.20*BG102 + 1.50*BG111 + 1.50*BG141 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149
UGT-Set B/12	1.20*BG101 + 1.20*BG102 + 1.50*BG111 + 1.50*BG141 + 1.50*BG142 + 1.50*BG147
UGT-Set B/13	1.20*BG101 + 1.20*BG102 + 1.50*BG111 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150 + 1.50*BG151
UGT-Set B/14	1.20*BG101 + 1.20*BG102 + 1.50*BG111 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/15	1.20*BG101 + 1.20*BG102 + 1.50*BG111 + 1.50*BG143 + 1.50*BG146 + 1.50*BG147 + 1.50*BG151
UGT-Set B/16	1.20*BG101 + 1.20*BG102 + 1.50*BG111 + 1.50*BG143 + 1.50*BG144 + 1.50*BG145 + 1.50*BG147 + 1.50*BG149
UGT-Set B/17	1.20*BG101 + 1.20*BG102 + 1.50*BG111 + 1.50*BG143 + 1.50*BG144 + 1.50*BG146 + 1.50*BG147
UGT-Set B/18	1.20*BG101 + 1.20*BG102 + 1.50*BG111 + 1.50*BG144 + 1.50*BG145 + 1.50*BG147 + 1.50*BG149
UGT-Set B/19	1.20*BG101 + 1.20*BG102 + 1.50*BG111 + 1.50*BG144 + 1.50*BG145 + 1.50*BG147
UGT-Set B/20	1.20*BG101 + 1.20*BG102 + 1.50*BG111 + 1.50*BG143 + 1.50*BG145 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149
UGT-Set B/21	1.20*BG101 + 1.20*BG102 + 1.50*BG111 + 1.50*BG144 + 1.50*BG145 + 1.50*BG146 + 1.50*BG147
UGT-Set B/22	1.20*BG101 + 1.20*BG102 + 1.50*BG111 + 1.50*BG143 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/23	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG143 + 1.50*BG145

Name	Combination key
UGT-Set B/24	+ 1.50*BG146 + 1.50*BG147 + 1.50*BG149 1.20*BG101 + 1.20*BG102 + 1.50*BG131 + 1.50*BG145 + 1.50*BG147 + 1.50*BG149
UGT-Set B/25	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG143 + 1.50*BG145 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149
UGT-Set B/26	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG144 + 1.50*BG147
UGT-Set B/27	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG143 + 1.50*BG146 + 1.50*BG147 + 1.50*BG151
UGT-Set B/28	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG143 + 1.50*BG146 + 1.50*BG147
UGT-Set B/29	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG144 + 1.50*BG145 + 1.50*BG147 + 1.50*BG149
UGT-Set B/30	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG143 + 1.50*BG145 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/31	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG143 + 1.50*BG145 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/32	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG144 + 1.50*BG145 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149
UGT-Set B/33	1.20*BG101 + 1.20*BG102 + 1.50*BG131 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149
UGT-Set B/34	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG143 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149
UGT-Set B/35	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG144 + 1.50*BG145 + 1.50*BG147
UGT-Set B/36	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG143 + 1.50*BG147 + 1.50*BG151
UGT-Set B/37	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG143 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/38	1.20*BG101 + 1.20*BG102 + 1.50*BG131 + 1.50*BG144 + 1.50*BG147 + 1.50*BG149
UGT-Set B/39	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG144 + 1.50*BG145 + 1.50*BG147 + 1.50*BG149
UGT-Set B/40	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG143 + 1.50*BG146 + 1.50*BG147
UGT-Set B/41	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG145 + 1.50*BG147
UGT-Set B/42	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG143 + 1.50*BG144 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149
UGT-Set B/43	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG143 + 1.50*BG144 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/44	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG144 + 1.50*BG145 + 1.50*BG147 + 1.50*BG149
UGT-Set B/45	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG144 + 1.50*BG145 + 1.50*BG147 + 1.50*BG149
UGT-Set B/46	1.20*BG101 + 1.20*BG102 + 1.50*BG131 + 1.50*BG143 + 1.50*BG147 + 1.50*BG149
UGT-Set B/47	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG143 + 1.50*BG144 + 1.50*BG145 + 1.50*BG147 + 1.50*BG149
UGT-Set B/48	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG146 + 1.50*BG147 + 1.50*BG151
UGT-Set B/49	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG144 + 1.50*BG145 + 1.50*BG147
UGT-Set B/50	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG143 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149
UGT-Set B/51	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG143 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/52	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG143 + 1.50*BG144 + 1.50*BG145 + 1.50*BG147 + 1.50*BG149
UGT-Set B/53	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG143 + 1.50*BG144 + 1.50*BG145 + 1.50*BG147 + 1.50*BG149
UGT-Set B/54	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG141 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149
UGT-Set B/55	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG142 + 1.50*BG147
UGT-Set B/56	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG141 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150
UGT-Set B/57	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG141 + 1.50*BG147 + 1.50*BG150
UGT-Set B/58	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150 + 1.50*BG151
UGT-Set B/59	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150
UGT-Set B/60	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG141 + 1.50*BG147 + 1.50*BG149
UGT-Set B/61	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150
UGT-Set B/62	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG141 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150
UGT-Set B/63	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150 + 1.50*BG151
UGT-Set B/64	1.20*BG101 + 1.20*BG102 + 1.50*BG131 + 1.50*BG141 + 1.50*BG147 + 1.50*BG149
UGT-Set B/65	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG147 + 1.50*BG151
UGT-Set B/66	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG142 + 1.50*BG147 + 1.50*BG150
UGT-Set B/67	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG141 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151

Name	Combination key
UGT-Set B/68	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG141 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150
UGT-Set B/69	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG141 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150
UGT-Set B/70	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150 + 1.50*BG151
UGT-Set B/71	0.90*BG101 + 0.90*BG102 + 1.50*BG124 + 1.50*BG141 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149
UGT-Set B/72	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG141 + 1.50*BG147 + 1.50*BG150
UGT-Set B/73	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/74	0.90*BG101 + 0.90*BG102 + 1.50*BG121 + 1.50*BG141 + 1.50*BG147
UGT-Set B/75	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG141 + 1.50*BG150
UGT-Set B/76	1.35*BG101 + 1.35*BG102 + 1.50*BG149
UGT-Set B/77	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG144 + 1.50*BG145 + 1.50*BG146 + 1.50*BG147
UGT-Set B/78	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG144 + 1.50*BG145 + 1.50*BG147
UGT-Set B/79	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG143 + 1.50*BG144 + 1.50*BG146 + 1.50*BG147 + 1.50*BG151
UGT-Set B/80	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG143 + 1.50*BG146 + 1.50*BG147 + 1.50*BG151
UGT-Set B/81	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/82	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150 + 1.50*BG151
UGT-Set B/83	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG141 + 1.50*BG147 + 1.50*BG151
UGT-Set B/84	0.90*BG101 + 0.90*BG102 + 1.50*BG121 + 1.50*BG141 + 1.50*BG142 + 1.50*BG147
UGT-Set B/85	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG141 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149
UGT-Set B/86	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG141 + 1.50*BG147 + 1.50*BG150 + 1.50*BG151
UGT-Set B/87	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG141 + 1.50*BG142 + 1.50*BG147 + 1.50*BG150
UGT-Set B/88	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150 + 1.50*BG151
UGT-Set B/89	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150 + 1.50*BG151
UGT-Set B/90	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG143 + 1.50*BG146 + 1.50*BG147 + 1.50*BG151
UGT-Set B/91	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG143 + 1.50*BG144 + 1.50*BG145 + 1.50*BG147 + 1.50*BG149
UGT-Set B/92	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG143 + 1.50*BG144 + 1.50*BG146 + 1.50*BG147 + 1.50*BG151
UGT-Set B/93	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG144 + 1.50*BG145 + 1.50*BG147 + 1.50*BG149
UGT-Set B/94	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG144 + 1.50*BG145 + 1.50*BG147
UGT-Set B/95	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG144 + 1.50*BG145 + 1.50*BG147 + 1.50*BG151
UGT-Set B/96	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG143 + 1.50*BG145 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/97	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG144 + 1.50*BG145 + 1.50*BG146 + 1.50*BG147
UGT-Set B/98	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG143 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151

Resultaten - Overall check

Values: **UC**Overall
 Linear calculation
 Class: Alle UGT
 Coordinate system: Principal
 Extreme 1D: Member
 Selection: Named selection - Check



2.5. EC-EN 1993 Steel check ULS

Linear calculation
 Class: Alle UGT
 Coordinate system: Principal
 Extreme 1D: Cross-section
 Selection: Named selection - Check

EN 1993-1-1 Code Check

National annex: Dutch NEN-EN NA

Member S29	0.000 / 14.800 m	HEA240	S 235 JR (EN 10025-2)	Alle UGT	0.77 -
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Combination key	
Alle UGT / 1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG148	

Partial safety factors	
γ_{M0} for resistance of cross-sections	1.00
γ_{M1} for resistance to instability	1.00
γ_{M2} for resistance of net sections	1.25

Material			
Yield strength	f_y	235.0	MPa
Ultimate strength	f_u	360.0	MPa
Fabrication		Rolled	

.....SECTION CHECK:.....

The critical check is on position 0.000 m

Internal forces		Calculated	Unit
Normal force	N_{Ed}	-245.27	kN
Shear force	$V_{y,Ed}$	-0.06	kN
Shear force	$V_{z,Ed}$	-26.03	kN
Torsion	T_{Ed}	0.00	kNm
Bending moment	$M_{y,Ed}$	0.00	kNm
Bending moment	$M_{z,Ed}$	0.00	kNm

Classification for cross-section design

Classification according to EN 1993-1-1 article 5.5.2

Classification of Internal and Outstand parts according to EN 1993-1-1 Table 5.2 Sheet 1 & 2

Id	Type	c [mm]	t [mm]	σ_1 [kN/m ²]	σ_2 [kN/m ²]	ψ [-]	k_{σ} [-]	α [-]	c/t [-]	Class 1 Limit [-]	Class 2 Limit [-]	Class 3 Limit [-]	Class
1	SO	95	12	3.191e+04	3.191e+04	1.00	0.43	1.00	7.94	9.00	10.00	14.00	1
3	SO	95	12	3.191e+04	3.191e+04	1.00	0.43	1.00	7.94	9.00	10.00	14.00	1
4	I	164	8	3.191e+04	3.191e+04	1.00		1.00	21.87	28.00	34.00	38.00	1
5	SO	95	12	3.191e+04	3.191e+04	1.00	0.43	1.00	7.94	9.00	10.00	14.00	1
7	SO	95	12	3.191e+04	3.191e+04	1.00	0.43	1.00	7.94	9.00	10.00	14.00	1

Note: The Classification limits have been set according to Semi-Comp+.
 The cross-section is classified as Class 1

Compression check

According to EN 1993-1-1 article 6.2.4 and formula (6.9)

Cross-section area	A	7.6800e-03	m ²
Compression resistance	$N_{c,Rd}$	1804.80	kN
Unity check		0.14	-

Shear check for V_y

According to EN 1993-1-1 article 6.2.6 and formula (6.17)

Shear correction factor	η	1.20	
Shear area	A_v	5.9737e-03	m ²
Plastic shear resistance for V_y	$V_{pl,y,Rd}$	810.50	kN
Unity check		0.00	-

Shear check for V_z

According to EN 1993-1-1 article 6.2.6 and formula (6.17)

Shear correction factor	η	1.20	
Shear area	A_v	2.5140e-03	m ²
Plastic shear resistance for V_z	$V_{pl,z,Rd}$	341.09	kN
Unity check		0.08	-

Torsion check

According to EN 1993-1-1 article 6.2.7 and formula (6.23)

Index of fibre	Fibre	2	
Total torsional moment	T_{Ed}	0.0	MPa
Elastic shear resistance	T_{Rd}	135.7	MPa
Unity check		0.00	-

Note: The unity check for torsion is lower than the limit value of 0.05. Therefore torsion is considered as insignificant and is ignored in the combined checks.

The member satisfies the section check.

...:STABILITY CHECK:...:

Classification for member buckling design

Decisive position for stability classification: 3.700 m

Classification according to EN 1993-1-1 article 5.5.2

Classification of Internal and Outstand parts according to EN 1993-1-1 Table 5.2 Sheet 1 & 2

Id	Type	c [mm]	t [mm]	σ_1 [kN/m ²]	σ_2 [kN/m ²]	ψ [-]	k_{σ} [-]	α [-]	c/t [-]	Class 1 Limit [-]	Class 2 Limit [-]	Class 3 Limit [-]	Class
1	SO	95	12	1.596e+05	1.603e+05	1.00	0.43	1.00	7.94	9.00	10.00	13.78	1
3	SO	95	12	1.592e+05	1.584e+05	1.00	0.43	1.00	7.94	9.00	10.00	13.82	1
4	I	164	8	1.277e+05	-6.461e+04	-0.51		0.92	21.87	31.05	37.57	79.59	1
5	SO	95	12	-9.647e+04	-9.722e+04								
7	SO	95	12	-9.607e+04	-9.532e+04								

Note: The Classification limits have been set according to Semi-Comp+.
 The cross-section is classified as Class 1

Note: The stability classification is based on the maximum section classification along the member.

Flexural Buckling check

According to EN 1993-1-1 article 6.3.1.1 and formula (6.46)

Buckling parameters		yy	zz	
Sway type		sway	non-sway	
System length	L	3.700	3.700	m
Buckling factor	k	2.47	0.80	
Buckling length	l_{cr}	9.124	2.967	m
Critical Euler load	N_{cr}	1932.20	6520.13	kN
Slenderness	λ	90.76	49.41	
Relative slenderness	λ_{rel}	0.97	0.53	
Limit slenderness	$\lambda_{rel,0}$	0.20	0.20	
Buckling curve		b	c	
Imperfection	α	0.34	0.49	
Reduction factor	χ	0.62	0.83	
Buckling resistance	$N_{b,Rd}$	1116.13	1494.86	kN

Flexural Buckling verification			
Cross-section area	A	7.6800e-03	m ²
Buckling resistance	$N_{b,Rd}$	1116.13	kN
Unity check		0.22	-

Torsional(-Flexural) Buckling check

According to EN 1993-1-1 article 6.3.1.1 and formula (6.46)

Note: For this I-section the Torsional(-Flexural) buckling resistance is higher than the resistance for Flexural buckling. Therefore Torsional(-Flexural) buckling is not printed on the output.

Bending and axial compression check

According to EN 1993-1-1 article 6.3.3 and formula (6.61),(6.62)

Bending and axial compression check parameters			
Interaction method		alternative method 2	
Cross-section area	A	7.6800e-03	m ²
Plastic section modulus	$W_{pl,y}$	7.4583e-04	m ³
Plastic section modulus	$W_{pl,z}$	3.5167e-04	m ³
Design compression force	N_{Ed}	245.27	kN
Design bending moment (maximum)	$M_{y,Ed}$	-91.06	kNm
Design bending moment (maximum)	$M_{z,Ed}$	-0.22	kNm
Characteristic compression resistance	N_{Rk}	1804.80	kN
Characteristic moment resistance	$M_{y,Rk}$	175.27	kNm
Characteristic moment resistance	$M_{z,Rk}$	82.64	kNm
Reduction factor	χ_y	0.62	
Reduction factor	χ_z	0.83	
Modified reduction factor	$\chi_{LT,mod}$	1.00	
Interaction factor	k_{yy}	1.05	
Interaction factor	k_{yz}	0.39	
Interaction factor	k_{zy}	0.63	
Interaction factor	k_{zz}	0.64	

Maximum moment $M_{y,Ed}$ is derived from beam S29 position 3.700 m.

Maximum moment $M_{z,Ed}$ is derived from beam S29 position 3.700 m.

Interaction method 2 parameters			
Method for interaction factors		Table B.1	
Sway type y		sway	
Equivalent moment factor	C_{my}	0.90	
Resulting load type z		linear moment M	
Ratio of end moments	ψ_z	0.00	
Equivalent moment factor	C_{mz}	0.60	
Resulting load type LT		line load q	
End moment	$M_{h,LT}$	-91.06	kNm
Field moment	$M_{s,LT}$	-46.84	kNm
Factor	$\alpha_{s,LT}$	0.51	
Ratio of end moments	ψ_{LT}	0.00	
Equivalent moment factor	C_{mLT}	0.61	

Unity check (6.61) = 0.22 + 0.55 + 0.00 = 0.77 -

Unity check (6.62) = 0.16 + 0.33 + 0.00 = 0.49 -

Shear Buckling check

According to EN 1993-1-5 article 5 & 7.1 and formula (5.10) & (7.1)

Shear Buckling parameters			
Buckling field length	a	14.800	m
Web		unstiffened	
Web height	h_w	206	mm
Web thickness	t	8	mm
Material coefficient	ϵ	1.00	
Shear correction factor	η	1.20	

Shear Buckling verification		
Web slenderness	h_w/t	27.47
Web slenderness limit		60.00

Note: The web slenderness is such that Shear Buckling effects may be ignored according to EN 1993-1-5 article 5.1(2).

The member satisfies the stability check.

EN 1993-1-1 Code Check

National annex: Dutch NEN-EN NA

Member S46	0.000 / 2.600 m	IPE300	S 235 JR (EN 10025-2)	Alle UGT	0.82 -
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Combination key
Alle UGT / 1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG148

Partial safety factors	
γ_{M0} for resistance of cross-sections	1.00
γ_{M1} for resistance to instability	1.00
γ_{M2} for resistance of net sections	1.25

Material			
Yield strength	f_y	235.0	MPa
Ultimate strength	f_u	360.0	MPa
Fabrication		Rolled	

.....SECTION CHECK:.....

The critical check is on position 0.000 m

Internal forces		Calculated	Unit
Normal force	N_{Ed}	0.39	kN
Shear force	$V_{y,Ed}$	-0.09	kN
Shear force	$V_{z,Ed}$	106.73	kN
Torsion	T_{Ed}	0.00	kNm
Bending moment	$M_{y,Ed}$	-121.26	kNm
Bending moment	$M_{z,Ed}$	0.00	kNm

Classification for cross-section design

Classification according to EN 1993-1-1 article 5.5.2

Classification of Internal and Outstand parts according to EN 1993-1-1 Table 5.2 Sheet 1 & 2

Id	Type	c [mm]	t [mm]	σ_1 [kN/m ²]	σ_2 [kN/m ²]	ψ [-]	k_σ [-]	α [-]	c/t [-]	Class 1 Limit [-]	Class 2 Limit [-]	Class 3 Limit [-]	Class
1	SO	56	11	2.098e+05	2.098e+05	1.00	0.43	1.00	5.28	9.00	10.00	13.79	1
3	SO	56	11	2.098e+05	2.098e+05	1.00	0.43	1.00	5.28	9.00	10.00	13.77	1
4	I	249	7	1.803e+05	-1.804e+05	-1.00		0.50	35.01	72.07	83.08	124.10	1
5	SO	56	11	-2.099e+05	-2.099e+05								
7	SO	56	11	-2.099e+05	-2.100e+05								

Note: The Classification limits have been set according to Semi-Comp+. The cross-section is classified as Class 1

Tension check

According to EN 1993-1-1 article 6.2.3 and formula (6.5)

Cross-section area	A	5.3800e-03	m ²
Plastic tension resistance	$N_{pl,Rd}$	1264.30	kN
Ultimate tension resistance	$N_{u,Rd}$	1394.50	kN
Tension resistance	$N_{t,Rd}$	1264.30	kN
Unity check		0.00	-

Bending moment check for M_y

According to EN 1993-1-1 article 6.2.5 and formula (6.12),(6.13)

Plastic section modulus	$W_{pl,y}$	6.2800e-04	m ³
Plastic bending moment	$M_{pl,y,Rd}$	147.58	kNm
Unity check		0.82	-

Bending moment check for M_z

According to EN 1993-1-1 article 6.2.5 and formula (6.12),(6.13)

Plastic section modulus	$W_{pl,z}$	1.2500e-04	m ³
Plastic bending moment	$M_{pl,z,Rd}$	29.38	kNm
Unity check		0.00	-

Shear check for V_y

According to EN 1993-1-1 article 6.2.6 and formula (6.17)

Shear correction factor	η	1.20	
Shear area	A_v	3.3669e-03	m ²
Plastic shear resistance for V_y	$V_{pl,y,Rd}$	456.81	kN
Unity check		0.00	-

Shear check for V_z

According to EN 1993-1-1 article 6.2.6 and formula (6.17)

Shear correction factor	η	1.20	
Shear area	A_v	2.5670e-03	m ²
Plastic shear resistance for V_z	$V_{pl,z,Rd}$	348.28	kN
Unity check		0.31	-

Torsion check

According to EN 1993-1-1 article 6.2.7 and formula (6.23)

Index of fibre	Fibre	2	
Total torsional moment	T_{Ed}	0.3	MPa
Elastic shear resistance	T_{Rd}	135.7	MPa
Unity check		0.00	-

Note: The unity check for torsion is lower than the limit value of 0.05. Therefore torsion is considered as insignificant and is ignored in the combined checks.

Combined bending, axial force and shear force check

According to EN 1993-1-1 article 6.2.9.1 and formula (6.41)

Plastic bending moment	$M_{pl,y,Rd}$	147.58	kNm
Exponent of bending ratio y	α	2.00	
Plastic bending moment	$M_{pl,z,Rd}$	29.38	kNm
Exponent of bending ratio z	β	1.00	

Unity check (6.41) = 0.68 + 0.00 = 0.68 -

Note: Since the shear forces are less than half the plastic shear resistances their effect on the moment resistances is neglected.

Note: Since the axial force satisfies both criteria (6.33) and (6.34) of EN 1993-1-1 article 6.2.9.1(4) its effect on the moment resistance about the y-y axis is neglected.

Note: Since the axial force satisfies criteria (6.35) of EN 1993-1-1 article 6.2.9.1(4) its effect on the moment resistance about the z-z axis is neglected.

The member satisfies the section check.

.....STABILITY CHECK:.....

Classification for member buckling design

Decisive position for stability classification: 0.000 m

Classification according to EN 1993-1-1 article 5.5.2

Classification of Internal and Outstand parts according to EN 1993-1-1 Table 5.2 Sheet 1 & 2

Id	Type	c [mm]	t [mm]	σ_1 [kN/m ²]	σ_2 [kN/m ²]	ψ [-]	k_{σ} [-]	α [-]	c/t [-]	Class 1 Limit [-]	Class 2 Limit [-]	Class 3 Limit [-]	Class
1	SO	56	11	2.098e+05	2.098e+05	1.00	0.43	1.00	5.28	9.00	10.00	13.79	1
3	SO	56	11	2.098e+05	2.098e+05	1.00	0.43	1.00	5.28	9.00	10.00	13.77	1
4	I	249	7	1.803e+05	-1.804e+05	-1.00		0.50	35.01	72.07	83.08	124.10	1
5	SO	56	11	-2.099e+05	-2.099e+05								
7	SO	56	11	-2.099e+05	-2.100e+05								

Note: The Classification limits have been set according to Semi-Comp+.

The cross-section is classified as Class 1

Note: The stability classification is based on the maximum section classification along the member.

Lateral Torsional Buckling check

According to EN 1993-1-1 article 6.3.2.1 & 6.3.2.3 and formula (6.54)

LTB parameters			
Method for LTB curve		Alternative case	
Plastic section modulus	$W_{pl,y}$	6.2800e-04	m ³
Elastic critical moment	M_{cr}	23182.93	kNm
Relative slenderness	$\lambda_{rel,LT}$	0.08	
Limit slenderness	$\lambda_{rel,LT,0}$	0.40	

Note: The slenderness or bending moment is such that Lateral Torsional Buckling effects may be ignored according to EN 1993-1-1 article 6.3.2.2(4).

Mcr parameters			
LTB length	l_{LT}	0.300	m
Influence of load position		no influence	
Correction factor	k	1.00	
Correction factor	k_w	1.00	
LTB moment factor	C_1	1.15	
LTB moment factor	C_2	0.00	
LTB moment factor	C_3	1.00	
Shear centre distance	d_z	0	mm
Distance of load application	z_g	0	mm
Mono-symmetry constant	β_y	0	mm
Mono-symmetry constant	z_j	0	mm

Warning: Not all conditions of the Dutch NEN-EN NA (Art. NB.NB.1) are fulfilled, therefore the standard EC-EN approach is used.

Note: C parameters are determined according to ECCS 119 2006 / Galea 2002.

Shear Buckling check

According to EN 1993-1-5 article 5 & 7.1 and formula (5.10) & (7.1)

Shear Buckling parameters			
Buckling field length	a	2.600	m
Web		unstiffened	
Web height	h_w	279	mm
Web thickness	t	7	mm
Material coefficient	ε	1.00	
Shear correction factor	η	1.20	

Shear Buckling verification		
Web slenderness	h_w/t	39.24
Web slenderness limit		60.00

Note: The web slenderness is such that Shear Buckling effects may be ignored according to EN 1993-1-5 article 5.1(2).

The member satisfies the stability check.

EN 1993-1-1 Code Check

National annex: Dutch NEN-EN NA

Member S54	0.000 / 5.025 m	HEA140	S 235 JR (EN 10025-2)	Alle UGT	0.13 -
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Combination key	
Alle UGT / 1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG148	

Partial safety factors	
γ_{M0} for resistance of cross-sections	1.00
γ_{M1} for resistance to instability	1.00
γ_{M2} for resistance of net sections	1.25

Material			
Yield strength	f_y	235.0	MPa
Ultimate strength	f_u	360.0	MPa
Fabrication		Rolled	

.....SECTION CHECK:....

The critical check is on position 0.000 m

Internal forces		Calculated	Unit
Normal force	N_{Ed}	-30.38	kN
Shear force	$V_{y,Ed}$	0.00	kN
Shear force	$V_{z,Ed}$	0.00	kN
Torsion	T_{Ed}	0.00	kNm
Bending moment	$M_{y,Ed}$	0.00	kNm
Bending moment	$M_{z,Ed}$	0.00	kNm

Classification for cross-section design

Classification according to EN 1993-1-1 article 5.5.2

Classification of Internal and Outstand parts according to EN 1993-1-1 Table 5.2 Sheet 1 & 2

Id	Type	c [mm]	t [mm]	σ_1 [kN/m ²]	σ_2 [kN/m ²]	ψ [-]	k_{σ} [-]	α [-]	c/t [-]	Class 1 Limit [-]	Class 2 Limit [-]	Class 3 Limit [-]	Class
1	SO	55	9	9.668e+03	9.668e+03	1.00	0.43	1.00	6.50	9.00	10.00	14.00	1
3	SO	55	9	9.668e+03	9.668e+03	1.00	0.43	1.00	6.50	9.00	10.00	14.00	1
4	I	92	6	9.668e+03	9.668e+03	1.00		1.00	16.73	28.00	34.00	38.00	1
5	SO	55	9	9.668e+03	9.668e+03	1.00	0.43	1.00	6.50	9.00	10.00	14.00	1
7	SO	55	9	9.668e+03	9.668e+03	1.00	0.43	1.00	6.50	9.00	10.00	14.00	1

Note: The Classification limits have been set according to Semi-Comp+.
The cross-section is classified as Class 1

Compression check

According to EN 1993-1-1 article 6.2.4 and formula (6.9)

Cross-section area	A	3.1400e-03	m ²
Compression resistance	$N_{c,Rd}$	737.90	kN
Unity check		0.04	-

The member satisfies the section check.

....:STABILITY CHECK:....

Classification for member buckling design

Decisive position for stability classification: 0.000 m

Classification according to EN 1993-1-1 article 5.5.2

Classification of Internal and Outstand parts according to EN 1993-1-1 Table 5.2 Sheet 1 & 2

Id	Type	c [mm]	t [mm]	σ_1 [kN/m ²]	σ_2 [kN/m ²]	ψ [-]	k_{σ} [-]	α [-]	c/t [-]	Class 1 Limit [-]	Class 2 Limit [-]	Class 3 Limit [-]	Class
1	SO	55	9	9.668e+03	9.668e+03	1.00	0.43	1.00	6.50	9.00	10.00	14.00	1
3	SO	55	9	9.668e+03	9.668e+03	1.00	0.43	1.00	6.50	9.00	10.00	14.00	1
4	I	92	6	9.668e+03	9.668e+03	1.00		1.00	16.73	28.00	34.00	38.00	1
5	SO	55	9	9.668e+03	9.668e+03	1.00	0.43	1.00	6.50	9.00	10.00	14.00	1
7	SO	55	9	9.668e+03	9.668e+03	1.00	0.43	1.00	6.50	9.00	10.00	14.00	1

Note: The Classification limits have been set according to Semi-Comp+.
The cross-section is classified as Class 1

Note: The stability classification is based on the maximum section classification along the member.

Flexural Buckling check

According to EN 1993-1-1 article 6.3.1.1 and formula (6.46)

Buckling parameters		yy	zz	
Sway type		sway	non-sway	
System length	L	5.025	5.025	m
Buckling factor	k	1.00	1.00	
Buckling length	l_{cr}	5.025	5.025	m
Critical Euler load	N_{cr}	845.46	319.32	kN
Slenderness	λ	87.74	142.76	
Relative slenderness	λ_{rel}	0.93	1.52	
Limit slenderness	$\lambda_{rel,0}$	0.20	0.20	
Buckling curve		b	c	
Imperfection	α	0.34	0.49	
Reduction factor	χ	0.64	0.31	
Buckling resistance	$N_{b,Rd}$	471.63	227.34	kN

Flexural Buckling verification

Cross-section area	A	3.1400e-03	m ²
Buckling resistance	$N_{b,Rd}$	227.34	kN
Unity check		0.13	-

Torsional(-Flexural) Buckling check

According to EN 1993-1-1 article 6.3.1.1 and formula (6.46)

Note: For this I-section the Torsional(-Flexural) buckling resistance is higher than the resistance for Flexural buckling. Therefore Torsional(-Flexural) buckling is not printed on the output.

The member satisfies the stability check.

EN 1993-1-1 Code Check

National annex: Dutch NEN-EN NA

Member S72	3.020 / 8.061 m	UNP200	S 235 JR (EN 10025-2)	Alle UGT	0.38 -
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Combination key	
Alle UGT / 1.20*BG101 + 1.20*BG102 + 1.50*BG131 + 1.50*BG148	

Partial safety factors	
γ_{M0} for resistance of cross-sections	1.00
γ_{M1} for resistance to instability	1.00
γ_{M2} for resistance of net sections	1.25

Material			
Yield strength	f_y	235.0	MPa
Ultimate strength	f_u	360.0	MPa
Fabrication		Rolled	

.....SECTION CHECK:.....

The critical check is on position 3.020 m

Internal forces		Calculated	Unit
Normal force	N_{Ed}	-1.45	kN
Shear force	$V_{y,Ed}$	0.00	kN
Shear force	$V_{z,Ed}$	1.57	kN
Torsion	T_{Ed}	0.00	kNm
Bending moment	$M_{y,Ed}$	16.53	kNm
Bending moment	$M_{z,Ed}$	0.00	kNm

Classification for cross-section design

Classification according to EN 1993-1-1 article 5.5.2

Classification of Internal and Outstand parts according to EN 1993-1-1 Table 5.2 Sheet 1 & 2

Id	Type	c [mm]	t [mm]	σ_1 [kN/m ²]	σ_2 [kN/m ²]	ψ [-]	k_o [-]	α [-]	c/t [-]	Class 1 Limit [-]	Class 2 Limit [-]	Class 3 Limit [-]	Class
1	UO	55	12	-7.868e+04	-7.868e+04								
3	I	154	9	-6.419e+04	6.508e+04	-0.99		0.50	18.12	71.23	82.19	122.30	1
5	UO	55	12	7.956e+04	7.955e+04	1.00	0.43	1.00	4.78	9.00	10.00	13.79	1

Note: The Classification limits have been set according to Semi-Comp+.

The cross-section is classified as Class 1

Compression check

According to EN 1993-1-1 article 6.2.4 and formula (6.9)

Cross-section area	A	3.2200e-03	m ²
Compression resistance	$N_{c,Rd}$	756.70	kN
Unity check		0.00	-

Bending moment check for M_y

According to EN 1993-1-1 article 6.2.5 and formula (6.12),(6.13)

Plastic section modulus	$W_{pl,y}$	2.2800e-04	m ³
Plastic bending moment	$M_{pl,y,Rd}$	53.58	kNm
Unity check		0.31	-

Bending moment check for M_z

According to EN 1993-1-1 article 6.2.5 and formula (6.12),(6.13)

Plastic section modulus	$W_{pl,z}$	5.1800e-05	m ³
Plastic bending moment	$M_{pl,z,Rd}$	12.17	kNm
Unity check		0.00	-

Shear check for V_z

According to EN 1993-1-1 article 6.2.6 and formula (6.17)

Shear correction factor	η	1.20	
Shear area	A_v	1.7250e-03	m ²
Plastic shear resistance for V_z	$V_{pl,z,Rd}$	234.04	kN
Unity check		0.01	-

Torsion check

According to EN 1993-1-1 article 6.2.7 and formula (6.23)

Index of fibre	Fibre	3	
Total torsional moment	T_{Ed}	0.0	MPa
Elastic shear resistance	T_{Rd}	135.7	MPa
Unity check		0.00	-

Note: The unity check for torsion is lower than the limit value of 0.05. Therefore torsion is considered as insignificant and is ignored in the combined checks.

Combined bending, axial force and shear force check

According to EN 1993-1-1 article 6.2.1 and formula (6.2)

Plastic tension resistance	$N_{pl,Rd}$	756.70	kN
Plastic bending moment	$M_{pl,y,Rd}$	53.58	kNm
Plastic bending moment	$M_{pl,z,Rd}$	12.17	kNm

Unity check (6.2) = 0.00 + 0.31 + 0.00 = 0.31 -

Note: No specific interaction formulae according to EN 1993-1-1 article 6.2.9.1 apply. Therefore the plastic linear summation according to EN 1993-1-1 article 6.2.1(7) is verified.

Note: Since the shear forces are less than half the plastic shear resistances their effect on the moment resistances is neglected.

The member satisfies the section check.

.....STABILITY CHECK:.....

Classification for member buckling design

Decisive position for stability classification: 3.828 m

Classification according to EN 1993-1-1 article 5.5.2

Classification of Internal and Outstand parts according to EN 1993-1-1 Table 5.2 Sheet 1 & 2

Id	Type	c [mm]	t [mm]	σ_1 [kN/m ²]	σ_2 [kN/m ²]	η [-]	k_{cr} [-]	σ [-]	c/t [-]	Class 1 Limit [-]	Class 2 Limit [-]	Class 3 Limit [-]	Class
1	UO	55	12	-8.236e+04	-8.236e+04								
3	I	154	9	-6.726e+04	6.748e+04	-1.00		0.50	18.12	71.82	82.81	123.73	1
5	UO	55	12	8.257e+04	8.257e+04	1.00	0.43	1.00	4.78	9.00	10.00	13.79	1

Note: The Classification limits have been set according to Semi-Comp+.

The cross-section is classified as Class 1

Note: The stability classification is based on the maximum section classification along the member.

Flexural Buckling check

According to EN 1993-1-1 article 6.3.1.1 and formula (6.46)

Buckling parameters		yy	zz	
Sway type		sway	non-sway	
System length	L	6.061	2.020	m
Buckling factor	k	1.00	1.00	
Buckling length	l_{cr}	6.061	2.020	m
Critical Euler load	N_{cr}	1077.78	751.63	kN
Slenderness	λ	78.69	94.23	
Relative slenderness	λ_{rel}	0.84	1.00	
Limit slenderness	$\lambda_{rel,0}$	0.20	0.20	

Note: The slenderness or compression force is such that Flexural Buckling effects may be ignored according to EN 1993-1-1 article 6.3.1.2(4).

Torsional(-Flexural) Buckling check

According to EN 1993-1-1 article 6.3.1.1 and formula (6.46)

Torsional buckling length	l_{cr}	1.010	m
Elastic critical load	$N_{cr,T}$	3707.21	kN
Elastic critical load	$N_{cr,TF}$	751.63	kN
Relative slenderness	$\lambda_{rel,T}$	1.00	
Limit slenderness	$\lambda_{rel,0}$	0.20	

Note: The slenderness or compression force is such that Torsional(-Flexural) Buckling effects may be ignored according to EN 1993-1-1 article 6.3.1.2(4).

Lateral Torsional Buckling check

According to EN 1993-1-1 article 6.3.2.1 & 6.3.2.2 and formula (6.54)

LTB parameters			
Method for LTB curve		General case	
Plastic section modulus	$W_{pl,y}$	2.2800e-04	m ³
Elastic critical moment	M_{cr}	320.66	kNm
Relative slenderness	$\lambda_{rel,LT}$	0.41	
Limit slenderness	$\lambda_{rel,LT,0}$	0.20	
LTB curve		d	
Imperfection	α_{LT}	0.76	
Reduction factor	χ_{LT}	0.84	
Design buckling resistance	$M_{b,Rd}$	45.23	kNm
Unity check		0.37	-

Note: L/h is outside the limits, the modified design rule for LTB of channel sections cannot be applied.

Mcr parameters			
LTB length	l_{LT}	1.010	m
Influence of load position		no influence	
Correction factor	k	0.50	
Correction factor	k_w	0.50	
LTB moment factor	C_1	1.05	
LTB moment factor	C_2	0.00	
LTB moment factor	C_3	1.02	
Shear centre distance	d_z	0	mm
Distance of load application	z_g	0	mm
Mono-symmetry constant	β_y	0	mm
Mono-symmetry constant	z_j	0	mm

Warning: Not all conditions of the Dutch NEN-EN NA (Art. NB.NB.1) are fulfilled, therefore the standard EC-EN approach is used.

Note: C parameters are determined according to ECCS 119 2006 / Galea 2002.

Bending and axial compression check

According to EN 1993-1-1 article 6.3.3 and formula (6.61),(6.62)

Bending and axial compression check parameters			
Interaction method		alternative method 2	
Cross-section area	A	3.2200e-03	m ²
Plastic section modulus	$W_{pl,y}$	2.2800e-04	m ³
Plastic section modulus	$W_{pl,z}$	5.1800e-05	m ³
Design compression force	N_{Ed}	1.45	kN
Design bending moment (maximum)	$M_{y,Ed}$	17.23	kNm
Design bending moment (maximum)	$M_{z,Ed}$	0.00	kNm
Characteristic compression resistance	N_{Rk}	756.70	kN
Characteristic moment resistance	$M_{y,Rk}$	53.58	kNm
Characteristic moment resistance	$M_{z,Rk}$	12.17	kNm
Reduction factor	χ_y	1.00	
Reduction factor	χ_z	1.00	
Reduction factor	χ_{LT}	0.84	
Interaction factor	k_{yy}	0.90	
Interaction factor	k_{yz}	0.26	
Interaction factor	k_{zy}	1.00	
Interaction factor	k_{zz}	0.44	

Maximum moment $M_{y,Ed}$ is derived from beam S72 position 3.828 m.

Maximum moment $M_{z,Ed}$ is derived from beam S72 position 3.020 m.

Interaction method 2 parameters			
Method for interaction factors		Table B.2	
Sway type y		sway	
Equivalent moment factor	C_{my}	0.90	
Resulting load type z		linear moment M	
Ratio of end moments	ψ_z	-0.41	
Equivalent moment factor	C_{mz}	0.44	
Resulting load type LT		line load q	
End moment	$M_{h,LT}$	16.53	kNm

Interaction method 2 parameters			
Field moment	$M_{s,LT}$	17.23	kNm
Factor	$\alpha_{h,LT}$	0.96	
Ratio of end moments	ψ_{LT}	0.98	
Equivalent moment factor	$C_{m,LT}$	1.00	

Unity check (6.61) = $0.00 + 0.34 + 0.00 = 0.35$ -
 Unity check (6.62) = $0.00 + 0.38 + 0.00 = 0.38$ -

The member satisfies the stability check.

EN 1993-1-1 Code Check

National annex: Dutch NEN-EN NA

Member S116	1.135 / 1.135 m	HEA220	S 235 JR (EN 10025-2)	Alle UGT	0.49 -
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Combination key	
Alle UGT / 1.20*BG101 + 1.20*BG102 + 1.50*BG111 + 1.50*BG141 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149	

Partial safety factors	
γ_{M0} for resistance of cross-sections	1.00
γ_{M1} for resistance to instability	1.00
γ_{M2} for resistance of net sections	1.25

Material			
Yield strength	f_y	235.0	MPa
Ultimate strength	f_u	360.0	MPa
Fabrication		Rolled	

.....SECTION CHECK:.....

The critical check is on position 1.135 m

Internal forces		Calculated	Unit
Normal force	N_{Ed}	-53.72	kN
Shear force	$V_{y,Ed}$	27.55	kN
Shear force	$V_{z,Ed}$	3.61	kN
Torsion	T_{Ed}	-0.08	kNm
Bending moment	$M_{y,Ed}$	4.09	kNm
Bending moment	$M_{z,Ed}$	31.27	kNm

Classification for cross-section design

Classification according to EN 1993-1-1 article 5.5.2

Classification of Internal and Outstand parts according to EN 1993-1-1 Table 5.2 Sheet 1 & 2

Id	Type	c [mm]	t [mm]	σ_1 [kN/m ²]	σ_2 [kN/m ²]	ψ [-]	k_{σ} [-]	α [-]	c/t [-]	Class 1 Limit [-]	Class 2 Limit [-]	Class 3 Limit [-]	Class
1	SO	89	11	-3.358e+04	-1.752e+05								
3	SO	89	11	3.522e+04	1.768e+05	0.20	0.53	1.00	8.05	9.00	10.00	15.30	1
4	I	152	7	2.596e+03	1.410e+04	0.18		1.00	21.71	28.00	34.00	53.01	1
5	SO	89	11	5.028e+04	1.919e+05	0.26	0.52	1.00	8.05	9.00	10.00	15.14	1
7	SO	89	11	-1.852e+04	-1.601e+05								

Note: The Classification limits have been set according to Semi-Comp+.
 The cross-section is classified as Class 1

Compression check

According to EN 1993-1-1 article 6.2.4 and formula (6.9)

Cross-section area	A	6.4300e-03	m ²
Compression resistance	$N_{c,Rd}$	1511.05	kN
Unity check		0.04	-

Bending moment check for M_y

According to EN 1993-1-1 article 6.2.5 and formula (6.12),(6.13)

Plastic section modulus	$W_{pl,y}$	5.6667e-04	m ³
Plastic bending moment	$M_{pl,y,Rd}$	133.17	kNm
Unity check		0.03	-

Bending moment check for M_z

According to EN 1993-1-1 article 6.2.5 and formula (6.12),(6.13)

Plastic section modulus	$W_{pl,z}$	2.7042e-04	m ³
Plastic bending moment	$M_{pl,z,Rd}$	63.55	kNm
Unity check		0.49	-

Shear check for V_y

According to EN 1993-1-1 article 6.2.6 and formula (6.17)

Shear correction factor	η	1.20	
Shear area	A_v	5.0150e-03	m ²
Plastic shear resistance for V_y	$V_{pl,y,Rd}$	680.42	kN
Unity check		0.04	-

Shear check for V_z

According to EN 1993-1-1 article 6.2.6 and formula (6.17)

Shear correction factor	η	1.20	
Shear area	A_v	2.0630e-03	m ²
Plastic shear resistance for V_z	$V_{pl,z,Rd}$	279.90	kN
Unity check		0.01	-

Torsion check

According to EN 1993-1-1 article 6.2.7 and formula (6.23)

Index of fibre	Fibre	2	
Total torsional moment	T_{Ed}	3.0	MPa
Elastic shear resistance	T_{Rd}	135.7	MPa
Unity check		0.02	-

Note: The unity check for torsion is lower than the limit value of 0.05. Therefore torsion is considered as insignificant and is ignored in the combined checks.

Combined bending, axial force and shear force check

According to EN 1993-1-1 article 6.2.9.1 and formula (6.41)

Plastic bending moment	$M_{pl,y,Rd}$	133.17	kNm
Exponent of bending ratio y	α	2.00	
Plastic bending moment	$M_{pl,z,Rd}$	63.55	kNm
Exponent of bending ratio z	β	1.00	

Unity check (6.41) = 0.00 + 0.49 = 0.49 -

Note: Since the shear forces are less than half the plastic shear resistances their effect on the moment resistances is neglected.

Note: Since the axial force satisfies both criteria (6.33) and (6.34) of EN 1993-1-1 article 6.2.9.1(4) its effect on the moment resistance about the y-y axis is neglected.

Note: Since the axial force satisfies criteria (6.35) of EN 1993-1-1 article 6.2.9.1(4) its effect on the moment resistance about the z-z axis is neglected.

The member satisfies the section check.

.....STABILITY CHECK:.....

Classification for member buckling design

Decisive position for stability classification: 1.135 m

Classification according to EN 1993-1-1 article 5.5.2

Classification of Internal and Outstand parts according to EN 1993-1-1 Table 5.2 Sheet 1 & 2

Id	Type	c [mm]	t [mm]	σ_1 [kN/m ²]	σ_2 [kN/m ²]	ψ [-]	k_{σ} [-]	α [-]	c/t [-]	Class 1 Limit [-]	Class 2 Limit [-]	Class 3 Limit [-]	Class
1	SO	89	11	-3.358e+04	-1.752e+05								
3	SO	89	11	3.522e+04	1.768e+05	0.20	0.53	1.00	8.05	9.00	10.00	15.30	1
4	I	152	7	2.596e+03	1.410e+04	0.18		1.00	21.71	28.00	34.00	53.01	1
5	SO	89	11	5.028e+04	1.919e+05	0.26	0.52	1.00	8.05	9.00	10.00	15.14	1
7	SO	89	11	-1.852e+04	-1.601e+05								

Note: The Classification limits have been set according to Semi-Comp+.

The cross-section is classified as Class 1

Note: The stability classification is based on the maximum section classification along the member.

Flexural Buckling check

According to EN 1993-1-1 article 6.3.1.1 and formula (6.46)

Buckling parameters		yy	zz	
Sway type		sway	non-sway	
System length	L	1.135	1.135	m
Buckling factor	k	4.57	0.88	
Buckling length	l_{cr}	5.183	0.999	m
Critical Euler load	N_{cr}	4173.54	40710.35	kN
Slenderness	λ	56.51	18.09	
Relative slenderness	λ_{rel}	0.60	0.19	
Limit slenderness	$\lambda_{rel,0}$	0.20	0.20	

Note: The slenderness or compression force is such that Flexural Buckling effects may be ignored according to EN 1993-1-1 article 6.3.1.2(4).

Torsional(-Flexural) Buckling check

According to EN 1993-1-1 article 6.3.1.1 and formula (6.46)

Note: For this I-section the Torsional(-Flexural) buckling resistance is higher than the resistance for Flexural buckling. Therefore Torsional(-Flexural) buckling is not printed on the output.

Lateral Torsional Buckling check

According to EN 1993-1-1 article 6.3.2.1 & 6.3.2.3 and formula (6.54)

LTB parameters			
Method for LTB curve		Alternative case	
Plastic section modulus	$W_{pl,y}$	5.6667e-04	m ³
Elastic critical moment	M_{cr}	5744.00	kNm
Relative slenderness	$\lambda_{rel,LT}$	0.15	
Limit slenderness	$\lambda_{rel,LT,0}$	0.40	

Note: The slenderness or bending moment is such that Lateral Torsional Buckling effects may be ignored according to EN 1993-1-1 article 6.3.2.2(4).

Mcr parameters			
LTB length	l_{LT}	1.135	m
Influence of load position		no influence	
Correction factor	k	1.00	
Correction factor	k_w	1.00	
LTB moment factor	C_1	1.77	
LTB moment factor	C_2	0.00	
LTB moment factor	C_3	1.00	
Shear centre distance	d_z	0	mm
Distance of load application	z_g	0	mm
Mono-symmetry constant	β_y	0	mm
Mono-symmetry constant	z_I	0	mm

Warning: Not all conditions of the Dutch NEN-EN NA (Art. NB.NB.1) are fulfilled, therefore the standard EC-EN approach is used.

Note: C parameters are determined according to ECCS 119 2006 / Galea 2002.

Bending and axial compression check

According to EN 1993-1-1 article 6.3.3 and formula (6.61),(6.62)

Bending and axial compression check parameters			
Interaction method		alternative method 2	
Cross-section area	A	6.4300e-03	m ²
Plastic section modulus	$W_{pl,y}$	5.6667e-04	m ³
Plastic section modulus	$W_{pl,z}$	2.7042e-04	m ³
Design compression force	N_{Ed}	53.72	kN
Design bending moment (maximum)	$M_{y,Ed}$	4.09	kNm
Design bending moment (maximum)	$M_{z,Ed}$	31.27	kNm
Characteristic compression resistance	N_{Rk}	1511.05	kN
Characteristic moment resistance	$M_{y,Rk}$	133.17	kNm
Characteristic moment resistance	$M_{z,Rk}$	63.55	kNm
Reduction factor	χ_y	1.00	
Reduction factor	χ_z	1.00	
Modified reduction factor	$\chi_{LT,mod}$	1.00	
Interaction factor	k_{yy}	0.91	
Interaction factor	k_{yz}	0.36	
Interaction factor	k_{zy}	0.55	
Interaction factor	k_{zz}	0.60	

Maximum moment $M_{y,Ed}$ is derived from beam S116 position 1.135 m.
Maximum moment $M_{z,Ed}$ is derived from beam S116 position 1.135 m.

Interaction method 2 parameters		
Method for interaction factors		Table B.1
Sway type y		sway
Equivalent moment factor	C_{my}	0.90
Resulting load type z		linear moment M
Ratio of end moments	ψ_z	0.00
Equivalent moment factor	C_{mz}	0.60
Resulting load type LT		linear moment M
Ratio of end moments	ψ_{LT}	0.00
Equivalent moment factor	C_{mLT}	0.60

Unity check (6.61) = $0.04 + 0.03 + 0.18 = 0.24$ -
Unity check (6.62) = $0.04 + 0.02 + 0.30 = 0.35$ -

Shear Buckling check

According to EN 1993-1-5 article 5 & 7.1 and formula (5.10) & (7.1)

Shear Buckling parameters			
Buckling field length	a	1.135	m
Web		unstiffened	
Web height	h_w	188	mm
Web thickness	t	7	mm
Material coefficient	ϵ	1.00	
Shear correction factor	η	1.20	

Shear Buckling verification		
Web slenderness	h_w/t	26.86
Web slenderness limit		60.00

Note: The web slenderness is such that Shear Buckling effects may be ignored according to EN 1993-1-5 article 5.1(2).

The member satisfies the stability check.

EN 1993-1-1 Code Check

National annex: Dutch NEN-EN NA

Member S228	1.500 / 10.000 m	UNP300	S 235 JR (EN 10025-2)	Alle UGT	0.55 -
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Combination key	
Alle UGT / 1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150 + 1.50*BG151	

Partial safety factors	
γ_{M0} for resistance of cross-sections	1.00
γ_{M1} for resistance to instability	1.00
γ_{M2} for resistance of net sections	1.25

Material		
Yield strength	f_y	235.0 MPa
Ultimate strength	f_u	360.0 MPa
Fabrication		Rolled

....:SECTION CHECK:....

The critical check is on position 1.500 m

Internal forces		Calculated	Unit
Normal force	N_{Ed}	-31.79	kN
Shear force	$V_{y,Ed}$	-6.03	kN
Shear force	$V_{z,Ed}$	30.30	kN
Torsion	T_{Ed}	0.00	kNm
Bending moment	$M_{y,Ed}$	-50.50	kNm
Bending moment	$M_{z,Ed}$	5.57	kNm

Classification for cross-section design

Classification according to EN 1993-1-1 article 5.5.2

Classification of Internal and Outstand parts according to EN 1993-1-1 Table 5.2 Sheet 1 & 2

Id	Type	c [mm]	t [mm]	σ_1 [kN/m ²]	σ_2 [kN/m ²]	ψ [-]	k_{σ} [-]	σ [-]	c/t [-]	Class 1 Limit [-]	Class 2 Limit [-]	Class 3 Limit [-]	Class
1	UO	74	16	8.908e+04	1.617e+05	0.55	0.48	1.00	4.63	9.00	10.00	14.48	1
3	I	236	10	5.377e+04	-9.067e+04	-1.69		0.37	23.60	96.70	111.48	216.26	1
5	UO	74	16	-8.474e+04	-1.209e+04								

Note: The Classification limits have been set according to Semi-Comp+. The cross-section is classified as Class 1

Compression check

According to EN 1993-1-1 article 6.2.4 and formula (6.9)

Cross-section area	A	5.8800e-03	m ²
Compression resistance	$N_{c,Rd}$	1381.80	kN
Unity check		0.02	-

Bending moment check for M_y

According to EN 1993-1-1 article 6.2.5 and formula (6.12),(6.13)

Plastic section modulus	$W_{pl,y}$	6.3200e-04	m ³
Plastic bending moment	$M_{pl,y,Rd}$	148.52	kNm
Unity check		0.34	-

Bending moment check for M_z

According to EN 1993-1-1 article 6.2.5 and formula (6.12),(6.13)

Plastic section modulus	$W_{pl,z}$	1.3000e-04	m ³
Plastic bending moment	$M_{pl,z,Rd}$	30.55	kNm
Unity check		0.18	-

Shear check for V_y

According to EN 1993-1-1 article 6.2.6 and formula (6.17)

Shear correction factor	η	1.20	
Shear area	A_v	3.2000e-03	m ²
Plastic shear resistance for V_y	$V_{pl,y,Rd}$	434.17	kN
Unity check		0.01	-

Shear check for V_z

According to EN 1993-1-1 article 6.2.6 and formula (6.17)

Shear correction factor	η	1.20	
Shear area	A_v	3.0960e-03	m ²
Plastic shear resistance for V_z	$V_{pl,z,Rd}$	420.06	kN
Unity check		0.07	-

Torsion check

According to EN 1993-1-1 article 6.2.7 and formula (6.23)

Index of fibre	Fibre	3	
Total torsional moment	T_{Ed}	0.0	MPa
Elastic shear resistance	T_{Rd}	135.7	MPa
Unity check		0.00	-

Note: The unity check for torsion is lower than the limit value of 0,05, Therefore torsion is considered as insignificant and is ignored in the combined checks.

Combined bending, axial force and shear force check

According to EN 1993-1-1 article 6.2.1 and formula (6.2)

Plastic tension resistance	$N_{pl,Rd}$	1381.80	kN
Plastic bending moment	$M_{pl,y,Rd}$	148.52	kNm
Plastic bending moment	$M_{pl,z,Rd}$	30.55	kNm

Unity check (6.2) = 0.02 + 0.34 + 0.18 = 0.55 -

Note: No specific interaction formulae according to EN 1993-1-1 article 6.2.9.1 apply.

Therefore the plastic linear summation according to EN 1993-1-1 article 6.2.1(7) is verified.

Note: Since the shear forces are less than half the plastic shear resistances their effect on the moment resistances is neglected.

The member satisfies the section check.

.....**STABILITY CHECK**:.....

Classification for member buckling design

Decisive position for stability classification: 1.500 m

Classification according to EN 1993-1-1 article 5.5.2

Classification of Internal and Outstand parts according to EN 1993-1-1 Table 5.2 Sheet 1 & 2

Id	Type	c [mm]	t [mm]	σ_1 [kN/m ²]	σ_2 [kN/m ²]	Ψ [-]	k_{σ} [-]	α [-]	c/t [-]	Class 1 Limit [-]	Class 2 Limit [-]	Class 3 Limit [-]	Class
1	UO	74	16	8.908e+04	1.617e+05	0.55	0.48	1.00	4.63	9.00	10.00	14.48	1
3	I	236	10	5.377e+04	-9.067e+04	-1.69		0.37	23.60	96.70	111.48	216.26	1
5	UO	74	16	-8.474e+04	-1.209e+04								

Note: The Classification limits have been set according to Semi-Comp+.

The cross-section is classified as Class 1

Note: The stability classification is based on the maximum section classification along the member.

Flexural Buckling check

According to EN 1993-1-1 article 6.3.1.1 and formula (6.46)

Buckling parameters		yy	zz	
Sway type		sway	non-sway	
System length	L	5.800	0.500	m
Buckling factor	k	1.39	0.98	
Buckling length	l_{cr}	8.058	0.488	m
Critical Euler load	N_{cr}	2563.25	43004.90	kN
Slenderness	λ	68.95	16.83	
Relative slenderness	λ_{rel}	0.73	0.18	
Limit slenderness	$\lambda_{rel,0}$	0.20	0.20	

Note: The slenderness or compression force is such that Flexural Buckling effects may be ignored according to EN 1993-1-1 article 6.3.1.2(4).

Torsional(-Flexural) Buckling check

According to EN 1993-1-1 article 6.3.1.1 and formula (6.46)

Torsional buckling length	l_{cr}	0.500	m
Elastic critical load	$N_{cr,T}$	37662.50	kN
Elastic critical load	$N_{cr,TF}$	2526.37	kN
Relative slenderness	$\lambda_{rel,T}$	0.74	
Limit slenderness	$\lambda_{rel,0}$	0.20	

Note: The slenderness or compression force is such that Torsional(-Flexural) Buckling effects may be ignored according to EN 1993-1-1 article 6.3.1.2(4).

Lateral Torsional Buckling check

According to EN 1993-1-1 article 6.3.2.1 & 6.3.2.2 and formula (6.54)

LTB parameters			
Method for LTB curve		General case	
Plastic section modulus	$W_{pl,y}$	6.3200e-04	m ³
Elastic critical moment	M_{cr}	6221.92	kNm
Relative slenderness	$\lambda_{rel,LT}$	0.15	
Limit slenderness	$\lambda_{rel,LT,0}$	0.20	

Note: The slenderness or bending moment is such that Lateral Torsional Buckling effects may be ignored according to EN 1993-1-1 article 6.3.2.2(4).

Note: L/h is outside the limits, the modified design rule for LTB of channel sections cannot be applied.

Mcr parameters			
LTB length	l_{LT}	0.500	m
Influence of load position		no influence	
Correction factor	k	1.00	
Correction factor	k_w	1.00	
LTB moment factor	C_1	1.17	
LTB moment factor	C_2	0.00	
LTB moment factor	C_3	1.00	
Shear centre distance	d_z	0	mm
Distance of load application	z_g	0	mm
Mono-symmetry constant	β_y	0	mm
Mono-symmetry constant	z_j	0	mm

Warning: Not all conditions of the Dutch NEN-EN NA (Art. NB.NB.1) are fulfilled, therefore the standard EC-EN approach is used.

Note: C parameters are determined according to ECCS 119 2006 / Galea 2002.

Bending and axial compression check

According to EN 1993-1-1 article 6.3.3 and formula (6.61),(6.62)

Bending and axial compression check parameters			
Interaction method		alternative method 2	
Cross-section area	A	5.8800e-03	m ²
Plastic section modulus	W _{pl,y}	6.3200e-04	m ³
Plastic section modulus	W _{pl,z}	1.3000e-04	m ³
Design compression force	N _{Ed}	31.79	kN
Design bending moment (maximum)	M _{y,Ed}	-50.50	kNm
Design bending moment (maximum)	M _{z,Ed}	5.57	kNm
Characteristic compression resistance	N _{Rk}	1381.80	kN
Characteristic moment resistance	M _{y,Rk}	148.52	kNm
Characteristic moment resistance	M _{z,Rk}	30.55	kNm
Reduction factor	χ _y	1.00	
Reduction factor	χ _z	1.00	
Reduction factor	χ _{LT}	1.00	
Interaction factor	k _{yy}	0.91	
Interaction factor	k _{yz}	0.47	
Interaction factor	k _{zy}	0.78	
Interaction factor	k _{zz}	0.79	

Maximum moment M_{y,Ed} is derived from beam S228 position 1.500 m.
Maximum moment M_{z,Ed} is derived from beam S228 position 1.500 m.

Interaction method 2 parameters			
Method for interaction factors		Table B.2	
Sway type y		sway	
Equivalent moment factor	C _{my}	0.90	
Resulting load type z		line load q	
End moment	M _{h,z}	5.57	kNm
Field moment	M _{s,z}	4.11	kNm
Factor	α _{s,z}	0.74	
Ratio of end moments	ψ _z	0.49	
Equivalent moment factor	C _{mz}	0.79	
Resulting load type LT		linear moment M	
Ratio of end moments	ψ _{LT}	0.70	
Equivalent moment factor	C _{mLT}	0.88	

Unity check (6.61) = 0.02 + 0.31 + 0.09 = 0.42 -
Unity check (6.62) = 0.02 + 0.26 + 0.14 = 0.43 -

The member satisfies the stability check.

EN 1993-1-1 Code Check

National annex: Dutch NEN-EN NA

Member S252	1.750 / 3.500 m	HEA260	S 235 JR (EN 10025-2)	Alle UGT	0.18 -
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Combination key	
Alle UGT / 1.35*BG101 + 1.35*BG102 + 1.50*BG149	

Partial safety factors	
γ _{M0} for resistance of cross-sections	1.00
γ _{M1} for resistance to instability	1.00
γ _{M2} for resistance of net sections	1.25

Material			
Yield strength	f _y	235.0	MPa
Ultimate strength	f _u	360.0	MPa
Fabrication		Rolled	

.....SECTION CHECK:....

The critical check is on position 1.750 m

Internal forces		Calculated	Unit
Normal force	N_{Ed}	0.42	kN
Shear force	$V_{y,Ed}$	0.00	kN
Shear force	$V_{z,Ed}$	0.00	kN
Torsion	T_{Ed}	0.01	kNm
Bending moment	$M_{y,Ed}$	38.07	kNm
Bending moment	$M_{z,Ed}$	-2.53	kNm

Classification for cross-section design

Classification according to EN 1993-1-1 article 5.5.2

Classification of Internal and Outstand parts according to EN 1993-1-1 Table 5.2 Sheet 1 & 2

Id	Type	c [mm]	t [mm]	σ_1 [kN/m ²]	σ_2 [kN/m ²]	ψ [-]	k_σ [-]	α [-]	c/t [-]	Class 1 Limit [-]	Class 2 Limit [-]	Class 3 Limit [-]	Class
1	SO	102	13	-4.137e+04	-3.432e+04								
3	SO	102	13	-4.519e+04	-5.224e+04								
4	I	177	8	-3.227e+04	3.217e+04	-1.00		0.50	23.60	72.10	83.11	124.38	1
5	SO	102	13	4.127e+04	3.423e+04	0.83	0.49	1.00	8.18	9.00	10.00	14.76	1
7	SO	102	13	4.509e+04	5.214e+04	0.86	0.44	1.00	8.18	9.00	10.00	13.94	1

Note: The Classification limits have been set according to Semi-Comp+.
The cross-section is classified as Class 1

Tension check

According to EN 1993-1-1 article 6.2.3 and formula (6.5)

Cross-section area	A	8.6800e-03	m ²
Plastic tension resistance	$N_{pl,Rd}$	2039.80	kN
Ultimate tension resistance	$N_{u,Rd}$	2249.86	kN
Tension resistance	$N_{t,Rd}$	2039.80	kN
Unity check		0.00	-

Bending moment check for M_y

According to EN 1993-1-1 article 6.2.5 and formula (6.12),(6.13)

Plastic section modulus	$W_{pl,y}$	9.2083e-04	m ³
Plastic bending moment	$M_{pl,y,Rd}$	216.40	kNm
Unity check		0.18	-

Bending moment check for M_z

According to EN 1993-1-1 article 6.2.5 and formula (6.12),(6.13)

Plastic section modulus	$W_{pl,z}$	4.2917e-04	m ³
Plastic bending moment	$M_{pl,z,Rd}$	100.85	kNm
Unity check		0.03	-

Torsion check

According to EN 1993-1-1 article 6.2.7 and formula (6.23)

Index of fibre	Fibre	2	
Total torsional moment	T_{Ed}	0.2	MPa
Elastic shear resistance	T_{Rd}	135.7	MPa
Unity check		0.00	-

Note: The unity check for torsion is lower than the limit value of 0.05. Therefore torsion is considered as insignificant and is ignored in the combined checks.

Combined bending, axial force and shear force check

According to EN 1993-1-1 article 6.2.9.1 and formula (6.41)

Plastic bending moment	$M_{pl,y,Rd}$	216.40	kNm
Exponent of bending ratio y	α	2.00	
Plastic bending moment	$M_{pl,z,Rd}$	100.85	kNm
Exponent of bending ratio z	β	1.00	

Unity check (6.41) = 0.03 + 0.03 = 0.06 -

Note: Since the axial force satisfies both criteria (6.33) and (6.34) of EN 1993-1-1 article 6.2.9.1(4) its effect on the moment resistance about the y-y axis is neglected.

Note: Since the axial force satisfies criteria (6.35) of EN 1993-1-1 article 6.2.9.1(4) its effect on the moment resistance about the z-z axis is neglected.

The member satisfies the section check.

.....STABILITY CHECK:....

Classification for member buckling design

Decisive position for stability classification: 1.750 m

Classification according to EN 1993-1-1 article 5.5.2

Classification of Internal and Outstand parts according to EN 1993-1-1 Table 5.2 Sheet 1 & 2

Id	Type	c [mm]	t [mm]	σ_1 [kN/m ²]	σ_2 [kN/m ²]	Ψ [-]	k_{σ} [-]	α [-]	c/t [-]	Class 1 Limit [-]	Class 2 Limit [-]	Class 3 Limit [-]	Class
1	SO	102	13	-4.137e+04	-3.432e+04								
3	SO	102	13	-4.519e+04	-5.224e+04								
4	I	177	8	-3.227e+04	3.217e+04	-1.00		0.50	23.60	72.10	83.11	124.38	1
5	SO	102	13	4.127e+04	3.423e+04	0.83	0.49	1.00	8.18	9.00	10.00	14.76	1
7	SO	102	13	4.509e+04	5.214e+04	0.86	0.44	1.00	8.18	9.00	10.00	13.94	1

Note: The Classification limits have been set according to Semi-Comp+.

The cross-section is classified as Class 1

Note: The stability classification is based on the maximum section classification along the member.

Lateral Torsional Buckling check

According to EN 1993-1-1 article 6.3.2.1 & 6.3.2.3 and formula (6.54)

LTB parameters			
Method for LTB curve		Alternative case	
Plastic section modulus	$W_{pl,y}$	9.2083e-04	m ³
Elastic critical moment	M_{cr}	1013.61	kNm
Relative slenderness	$\lambda_{rel,LT}$	0.46	
Limit slenderness	$\lambda_{rel,LT,0}$	0.40	

Note: The slenderness or bending moment is such that Lateral Torsional Buckling effects may be ignored according to EN 1993-1-1 article 6.3.2.2(4).

Mcr parameters			
LTB length	l_{LT}	3.500	m
Fork length	L_g	3.500	m
Influence of load position		no influence	
Factor	α	2325.72	
Reduction factor	k_{red}	1.00	
Coefficient	C	6.21	
Factor	S	1601	mm
LTB moment factor	C_1	1.13	
LTB moment factor	C_2	0.00	

Note: M_{cr} has been calculated according to the Dutch NEN-EN NA.

The member satisfies the stability check.

EN 1993-1-1 Code Check

National annex: Dutch NEN-EN NA

Member S349	0.000 / 3.500 m	IPE200	S 235 JR (EN 10025-2)	Alle UGT	0.52 -
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Combination key	
Alle UGT / 1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150 + 1.50*BG151	

Partial safety factors	
γ_{M0} for resistance of cross-sections	1.00
γ_{M1} for resistance to instability	1.00
γ_{M2} for resistance of net sections	1.25

Material			
Yield strength	f_y	235.0	MPa
Ultimate strength	f_u	360.0	MPa
Fabrication		Rolled	

.....SECTION CHECK:....

The critical check is on position 0.000 m

Internal forces		Calculated	Unit
Normal force	N_{Ed}	-12.53	kN
Shear force	$V_{y,Ed}$	1.87	kN
Shear force	$V_{z,Ed}$	23.55	kN
Torsion	T_{Ed}	0.00	kNm
Bending moment	$M_{y,Ed}$	-23.48	kNm
Bending moment	$M_{z,Ed}$	-3.29	kNm

Classification for cross-section design

Classification according to EN 1993-1-1 article 5.5.2

Classification of Internal and Outstand parts according to EN 1993-1-1 Table 5.2 Sheet 1 & 2

Id	Type	c [mm]	t [mm]	σ_1 [kN/m ²]	σ_2 [kN/m ²]	ψ [-]	k_{σ} [-]	σ [-]	c/t [-]	Class 1 Limit [-]	Class 2 Limit [-]	Class 3 Limit [-]	Class
1	SO	35	9	1.543e+05	2.357e+05	0.65	0.46	1.00	4.14	9.00	10.00	14.28	1
3	SO	35	9	8.583e+04	4.429e+03	0.05	1.48	1.00	4.14	9.00	10.00	25.51	1
4	I	159	6	1.004e+05	-9.163e+04	-0.91		0.53	28.39	65.81	76.41	112.97	1
5	SO	35	9	-1.455e+05	-2.269e+05								
7	SO	35	9	-7.703e+04	4.364e+03	-17.65	1.83	0.05	4.14	167.87	186.52	28.41	1

Note: The Classification limits have been set according to Semi-Comp+. The cross-section is classified as Class 1

Compression check

According to EN 1993-1-1 article 6.2.4 and formula (6.9)

Cross-section area	A	2.8500e-03	m ²
Compression resistance	$N_{c,Rd}$	669.75	kN
Unity check		0.02	-

Bending moment check for M_y

According to EN 1993-1-1 article 6.2.5 and formula (6.12),(6.13)

Plastic section modulus	$W_{pl,y}$	2.2100e-04	m ³
Plastic bending moment	$M_{pl,y,Rd}$	51.94	kNm
Unity check		0.45	-

Bending moment check for M_z

According to EN 1993-1-1 article 6.2.5 and formula (6.12),(6.13)

Plastic section modulus	$W_{pl,z}$	4.4600e-05	m ³
Plastic bending moment	$M_{pl,z,Rd}$	10.48	kNm
Unity check		0.31	-

Shear check for V_y

According to EN 1993-1-1 article 6.2.6 and formula (6.17)

Shear correction factor	η	1.20	
Shear area	A_v	1.7986e-03	m ²
Plastic shear resistance for V_y	$V_{pl,y,Rd}$	244.02	kN
Unity check		0.01	-

Shear check for V_z

According to EN 1993-1-1 article 6.2.6 and formula (6.17)

Shear correction factor	η	1.20	
Shear area	A_v	1.4016e-03	m ²
Plastic shear resistance for V_z	$V_{pl,z,Rd}$	190.17	kN
Unity check		0.12	-

Torsion check

According to EN 1993-1-1 article 6.2.7 and formula (6.23)

Index of fibre	Fibre	2	
Total torsional moment	T_{Ed}	0.4	MPa
Elastic shear resistance	T_{Rd}	135.7	MPa
Unity check		0.00	-

Note: The unity check for torsion is lower than the limit value of 0.05. Therefore torsion is considered as insignificant and is ignored in the combined checks.

Combined bending, axial force and shear force check

According to EN 1993-1-1 article 6.2.9.1 and formula (6.41)

Plastic bending moment	$M_{pl,y,Rd}$	51.94	kNm
Exponent of bending ratio y	α	2.00	
Plastic bending moment	$M_{pl,z,Rd}$	10.48	kNm
Exponent of bending ratio z	β	1.00	

Unity check (6.41) = 0.20 + 0.31 = 0.52 -

Note: Since the shear forces are less than half the plastic shear resistances their effect on the moment resistances is neglected.

Note: Since the axial force satisfies both criteria (6.33) and (6.34) of EN 1993-1-1 article 6.2.9.1(4) its effect on the moment resistance about the y-y axis is neglected.

Note: Since the axial force satisfies criteria (6.35) of EN 1993-1-1 article 6.2.9.1(4) its effect on the moment resistance about the z-z axis is neglected.

The member satisfies the section check.

....:STABILITY CHECK:....

Classification for member buckling design

Decisive position for stability classification: 1.150 m

Classification according to EN 1993-1-1 article 5.5.2

Classification of Internal and Outstand parts according to EN 1993-1-1 Table 5.2 Sheet 1 & 2

Id	Type	c [mm]	t [mm]	σ_1 [kN/m ²]	σ_2 [kN/m ²]	ψ [-]	k_{σ} [-]	α [-]	c/t [-]	Class 1 Limit [-]	Class 2 Limit [-]	Class 3 Limit [-]	Class
1	SO	35	9	1.211e+04	4.020e+04	0.30	0.51	1.00	4.14	9.00	10.00	15.04	1
3	SO	35	9	-1.152e+04	-3.961e+04								
4	I	159	6	9.914e+02	7.802e+03	0.13		1.00	28.39	28.00	34.00	54.51	2
5	SO	35	9	-3.313e+03	-3.140e+04								
7	SO	35	9	2.031e+04	4.840e+04	0.42	0.49	1.00	4.14	9.00	10.00	14.76	1

Note: The Classification limits have been set according to Semi-Comp+.

The cross-section is classified as Class 2

Note: The stability classification is based on the maximum section classification along the member.

Flexural Buckling check

According to EN 1993-1-1 article 6.3.1.1 and formula (6.46)

Buckling parameters		yy	zz	
Sway type		sway	non-sway	
System length	L	2.300	2.300	m
Buckling factor	k	1.27	0.58	
Buckling length	l_{cr}	2.924	1.325	m
Critical Euler load	N_{cr}	4711.50	1676.50	kN
Slenderness	λ	35.41	59.36	
Relative slenderness	λ_{rel}	0.38	0.63	
Limit slenderness	$\lambda_{rel,0}$	0.20	0.20	

Note: The slenderness or compression force is such that Flexural Buckling effects may be ignored according to EN 1993-1-1 article 6.3.1.2(4).

Torsional(-Flexural) Buckling check

According to EN 1993-1-1 article 6.3.1.1 and formula (6.46)

Note: For this I-section the Torsional(-Flexural) buckling resistance is higher than the resistance for Flexural buckling. Therefore Torsional(-Flexural) buckling is not printed on the output.

Lateral Torsional Buckling check

According to EN 1993-1-1 article 6.3.2.1 & 6.3.2.3 and formula (6.54)

LTB parameters		Alternative case	
Method for LTB curve			
Plastic section modulus	$W_{pl,y}$	2.2100e-04	m ³
Elastic critical moment	M_{cr}	211.92	kNm
Relative slenderness	$\lambda_{rel,LT}$	0.50	
Limit slenderness	$\lambda_{rel,LT,0}$	0.40	

Note: The slenderness or bending moment is such that Lateral Torsional Buckling effects may be ignored according to EN 1993-1-1 article 6.3.2.2(4).

Mcr parameters			
LTB length	l_{LT}	2.300	m
Influence of load position		no influence	
Correction factor	k	1.00	
Correction factor	k_w	1.00	
LTB moment factor	C_1	2.74	
LTB moment factor	C_2	0.11	
LTB moment factor	C_3	1.00	
Shear centre distance	d_z	0	mm
Distance of load application	z_g	0	mm
Mono-symmetry constant	β_y	0	mm
Mono-symmetry constant	z_1	0	mm

Warning: Not all conditions of the Dutch NEN-EN NA (Art. NB.NB.1) are fulfilled, therefore the standard EC-EN approach is used.

Note: C parameters are determined according to ECCS 119 2006 / Galea 2002.

Bending and axial compression check

According to EN 1993-1-1 article 6.3.3 and formula (6.61),(6.62)

Bending and axial compression check parameters			
Interaction method		alternative method 2	
Cross-section area	A	2.8500e-03	m ²
Plastic section modulus	$W_{pl,y}$	2.2100e-04	m ³
Plastic section modulus	$W_{pl,z}$	4.4600e-05	m ³
Design compression force	N_{Ed}	12.53	kN
Design bending moment (maximum)	$M_{y,Ed}$	-23.48	kNm
Design bending moment (maximum)	$M_{z,Ed}$	-3.29	kNm
Characteristic compression resistance	N_{Rk}	669.75	kN
Characteristic moment resistance	$M_{y,Rk}$	51.94	kNm
Characteristic moment resistance	$M_{z,Rk}$	10.48	kNm
Reduction factor	χ_y	1.00	
Reduction factor	χ_z	1.00	
Modified reduction factor	$\chi_{LT,mod}$	1.00	
Interaction factor	k_{yy}	0.90	
Interaction factor	k_{yz}	0.29	
Interaction factor	k_{zy}	0.54	
Interaction factor	k_{zz}	0.48	

Maximum moment $M_{y,Ed}$ is derived from beam S349 position 0.000 m.

Maximum moment $M_{z,Ed}$ is derived from beam S349 position 0.000 m.

Interaction method 2 parameters			
Method for interaction factors		Table B.1	
Sway type y		sway	
Equivalent moment factor	C_{my}	0.90	
Resulting load type z		linear moment M	
Ratio of end moments	ψ_z	-0.31	
Equivalent moment factor	C_{mz}	0.48	
Resulting load type LT		line load q	
End moment	$M_{h,LT}$	-23.48	kNm
Field moment	$M_{s,LT}$	0.83	kNm
Factor	$\alpha_{s,LT}$	-0.04	
Ratio of end moments	ψ_{LT}	-0.83	
Equivalent moment factor	C_{mLT}	0.40	

Unity check (6.61) = 0.02 + 0.41 + 0.09 = 0.52 -

Unity check (6.62) = 0.02 + 0.24 + 0.15 = 0.42 -

Shear Buckling check

According to EN 1993-1-5 article 5 & 7.1 and formula (5.10) & (7.1)

Shear Buckling parameters			
Buckling field length	a	3.500	m
Web		unstiffened	
Web height	h_w	183	mm
Web thickness	t	6	mm
Material coefficient	ϵ	1.00	
Shear correction factor	η	1.20	

Shear Buckling verification		
Web slenderness	h_w/t	32.68
Web slenderness limit		60.00

Note: The web slenderness is such that Shear Buckling effects may be ignored according to EN 1993-1-5 article 5.1(2).

The member satisfies the stability check.

EN 1993-1-1 Code Check

National annex: Dutch NEN-EN NA

Member S538	1.881 / 1.881 m	HEA120	S 235 JR (EN 10025-2)	Alle UGT	0.07 -
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Combination key
Alle UGT / 1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149 + 1.50*BG150 + 1.50*BG151

Partial safety factors	
γ_{M0} for resistance of cross-sections	1.00
γ_{M1} for resistance to instability	1.00
γ_{M2} for resistance of net sections	1.25

Material			
Yield strength	f_y	235.0	MPa
Ultimate strength	f_u	360.0	MPa
Fabrication		Rolled	

.....SECTION CHECK:.....

The critical check is on position **1.881 m**

Internal forces		Calculated	Unit
Normal force	N_{Ed}	42.51	kN
Shear force	$V_{y,Ed}$	0.00	kN
Shear force	$V_{z,Ed}$	0.00	kN
Torsion	T_{Ed}	0.00	kNm
Bending moment	$M_{y,Ed}$	0.00	kNm
Bending moment	$M_{z,Ed}$	0.00	kNm

Tension check

According to EN 1993-1-1 article 6.2.3 and formula (6.5)

Cross-section area	A	2.5300e-03	m ²
Plastic tension resistance	$N_{pl,Rd}$	594.55	kN
Ultimate tension resistance	$N_{u,Rd}$	655.78	kN
Tension resistance	$N_{t,Rd}$	594.55	kN
Unity check		0.07	-

The member satisfies the section check.

2.6. EC-EN 1993 Steel Check SLS

Linear calculation

Class: Alle BGT

Coordinate system: Principal

Extreme 1D: Member

Selection: Named selection - Check

Overall Unity Check

Name	dx [m]	Case	$U_{y,max}$ [mm] $U_{y,min}$ [mm]	$U_{y,var}$ [mm] $U_{y,var}$ [mm]	Lim. $U_{y,max}$ [mm] Lim. $U_{y,min}$ [mm]	Lim. $U_{y,var}$ [mm] Lim. $U_{y,var}$ [mm]	Check $U_{y,max}$ [-] Check $U_{y,max}$ [-]	Check $U_{y,var}$ [-] Check $U_{y,var}$ [-]	Camber dx u_d [mm] Camber [mm]	Check $U_{y,max}$ [-]
S27	2.220	BGT-kar/1	0.0 3.3	0.0 3.3	24.7 12.3	24.7 12.3	0.00 0.26	0.00 0.26	-	0.26
S28	2.220	BGT-kar/2	0.0 -3.3	0.0 -3.3	24.7 12.3	24.7 12.3	0.00 0.26	0.00 0.26	-	0.26
S29	2.220	BGT-kar/1	0.0 3.3	0.0 3.3	24.7 12.3	24.7 12.3	0.00 0.27	0.00 0.27	-	0.27
S30	2.220	BGT-kar/2	0.0 -3.3	0.0 -3.3	24.7 12.3	24.7 12.3	0.00 0.27	0.00 0.27	-	0.27
S31	3.400-	BGT-kar/2	13.4 0.0	13.4 0.0	22.7 11.3	22.7 11.3	0.59 0.00	0.59 0.00	-	0.59
S32	3.400-	BGT-kar/3	13.4 0.0	13.4 0.0	22.7 11.3	22.7 11.3	0.59 0.00	0.59 0.00	-	0.59
S33	1.300-	BGT-kar/4	0.0 -0.3	0.0 -0.2	1.3 0.7	1.3 0.7	0.00 0.04	0.00 0.03	-	0.04
S34	1.853-	BGT-kar/5	-0.1 -0.1	-0.1 0.0	5.0 8.7	5.0 8.7	0.03 0.01	0.03 0.01	-	0.03
S35	3.400-	BGT-kar/2	13.4 0.0	13.4 0.0	22.7 11.3	22.7 11.3	0.59 0.00	0.59 0.00	-	0.59
S36	1.300-	BGT-kar/5	-0.5 0.0	-0.5 0.0	8.7 8.7	8.7 8.7	0.06 0.00	0.06 0.00	-	0.06
S37	3.400-	BGT-kar/3	13.4 0.0	13.4 0.0	22.7 11.3	22.7 11.3	0.59 0.00	0.59 0.00	-	0.59
S38	0.703+	BGT-kar/2	0.0 -0.3	0.0 -0.2	2.7 0.7	2.7 0.7	0.00 0.03	0.00 0.03	-	0.03
S39	3.400-	BGT-kar/2	13.4 0.0	13.4 0.0	22.7 11.3	22.7 11.3	0.59 0.00	0.59 0.00	-	0.59
S40	1.896-	BGT-kar/1	0.0 -0.4	0.0 -0.3	2.7 8.7	2.7 8.7	0.00 0.05	0.00 0.04	-	0.05
S41	3.400-	BGT-kar/1	-13.4 0.0	-13.4 0.0	22.7 11.3	22.7 11.3	0.59 0.00	0.59 0.00	-	0.59
S42	1.300-	BGT-kar/6	0.5 0.0	0.5 0.0	8.7 8.7	8.7 8.7	0.06 0.00	0.06 0.00	-	0.06
S43	3.400-	BGT-kar/1	-13.4 0.0	-13.4 0.0	22.7 11.3	22.7 11.3	0.59 0.00	0.59 0.00	-	0.59
S44	1.300-	BGT-kar/5	-0.5 0.0	-0.5 0.0	8.7 8.7	8.7 8.7	0.06 0.00	0.06 0.00	-	0.06
S45	3.400-	BGT-kar/1	-13.4 0.0	-13.4 0.0	22.7 11.3	22.7 11.3	0.59 0.00	0.59 0.00	-	0.59
S46	1.896-	BGT-kar/1	0.0 -0.6	0.0 -0.6	2.7 8.7	2.7 8.7	0.00 0.07	0.00 0.06	-	0.07
S51	2.512-	BGT-kar/2	0.0 0.0	0.0 0.0	16.7 16.7	16.7 16.7	0.00 0.00	0.00 0.00	-	0.00
S52	2.512-	BGT-kar/3	0.0 0.0	0.0 0.0	16.7 16.7	16.7 16.7	0.00 0.00	0.00 0.00	-	0.00
S53	2.512-	BGT-kar/1	0.0 0.0	0.0 0.0	16.7 16.7	16.7 16.7	0.00 0.00	0.00 0.00	-	0.00
S54	2.512-	BGT-kar/1	0.0 0.0	0.0 0.0	16.7 16.7	16.7 16.7	0.00 0.00	0.00 0.00	-	0.00
S55	5.025	BGT-kar/1	-25.8 0.0	-25.7 0.0	33.5 16.7	33.5 16.7	0.77 0.00	0.77 0.00	-	0.77
S56	5.025	BGT-kar/1	25.7 0.0	25.7 0.0	33.5 16.7	33.5 16.7	0.77 0.00	0.77 0.00	-	0.77
S57	5.025	BGT-kar/1	-25.7 0.0	-25.7 0.0	33.5 16.7	33.5 16.7	0.77 0.00	0.77 0.00	-	0.77
S58	5.025	BGT-kar/1	25.7 0.0	25.7 0.0	33.5 16.7	33.5 16.7	0.77 0.00	0.77 0.00	-	0.77
S59	5.025	BGT-kar/1	-22.0 0.0	-21.9 0.0	33.5 16.7	33.5 16.7	0.66 0.00	0.65 0.00	-	0.66
S60	5.025	BGT-kar/1	21.9 0.0	21.9 0.0	33.5 16.7	33.5 16.7	0.65 0.00	0.65 0.00	-	0.65
S61	5.025	BGT-kar/1	-22.0 0.0	-22.0 0.0	33.5 16.7	33.5 16.7	0.66 0.00	0.66 0.00	-	0.66
S62	5.025	BGT-kar/3	-21.9 0.0	-21.8 0.0	33.5 16.7	33.5 16.7	0.65 0.00	0.65 0.00	-	0.65
S63	5.025	BGT-kar/1	-19.4 0.0	-19.3 0.0	33.5 16.7	33.5 16.7	0.58 0.00	0.58 0.00	-	0.58
S64	5.025	BGT-kar/3	-19.2 0.0	-19.1 0.0	33.5 16.7	33.5 16.7	0.57 0.00	0.57 0.00	-	0.57
S65	5.025	BGT-kar/1	-19.3 0.0	-19.3 0.0	33.5 16.7	33.5 16.7	0.58 0.00	0.58 0.00	-	0.58
S66	5.025	BGT-kar/2	-19.2 0.0	-19.1 0.0	33.5 16.7	33.5 16.7	0.57 0.00	0.57 0.00	-	0.57

Name	ifa [m]	Case	U _{y,max} [mm]	U _{y,min} [mm]	Lim. U _{y,max} [mm]	Lim. U _{y,min} [mm]	Check U _{y,max} [-]	Check U _{y,min} [-]	Camber dx U _x [mm]	Check camber [-]
			U _{x,max} [mm]	U _{x,min} [mm]	Lim. U _{x,max} [mm]	Lim. U _{x,min} [mm]	Check U _{x,max} [-]	Check U _{x,min} [-]	Camber [mm]	
			0.0	0.0	16.7	16.7	0.00	0.00	-	
S67	3.424	BGT-kar/4	0.0	0.0	6.7	6.7	0.00	0.00	-	0.51
			-12.0	-8.9	23.5	23.5	0.51	0.38	-	
S68	3.636	BGT-kar/4	0.0	0.0	6.7	6.7	0.00	0.00	-	0.51
			-12.0	-8.9	23.5	23.5	0.51	0.38	-	
S71	4.030+	BGT-kar/4	0.0	0.0	6.7	6.7	0.00	0.00	-	0.63
			-12.8	-9.5	20.2	20.2	0.63	0.47	-	
S72	4.030-	BGT-kar/4	0.0	0.0	6.7	6.7	0.00	0.00	-	0.63
			-12.8	-9.5	20.2	20.2	0.63	0.47	-	
S76	4.030-	BGT-kar/4	0.0	0.0	6.7	6.7	0.00	0.00	-	0.63
			-12.6	-9.4	20.2	20.2	0.63	0.46	-	
S78	4.030+	BGT-kar/4	0.0	0.0	6.7	6.7	0.00	0.00	-	0.63
			-12.6	-9.4	20.2	20.2	0.63	0.46	-	
S79	4.030-	BGT-kar/4	0.0	0.0	6.7	6.7	0.00	0.00	-	0.63
			-12.8	-9.5	20.2	20.2	0.63	0.47	-	
S81	4.030+	BGT-kar/4	0.0	0.0	6.7	6.7	0.00	0.00	-	0.63
			-12.8	-9.5	20.2	20.2	0.63	0.47	-	
S83	3.400	BGT-kar/1	-13.4	-13.4	22.7	22.7	0.59	0.59	-	0.59
			-3.9	-2.8	22.7	22.7	0.17	0.12	-	
S84	5.000-	BGT-kar/7	0.0	0.0	3.3	3.3	0.00	0.00	-	0.25
			-5.8	-5.0	23.3	23.3	0.25	0.21	-	
S85	5.000-	BGT-kar/8	0.0	0.0	3.3	3.3	0.00	0.00	-	0.30
			6.5	7.0	23.3	23.3	0.28	0.30	-	
S86	0.757	BGT-kar/9	0.3	0.3	3.8	3.8	0.08	0.08	-	0.08
			0.0	0.0	3.8	3.8	0.01	0.00	-	
S114	0.757	BGT-kar/10	0.4	0.4	3.8	3.8	0.10	0.09	-	0.10
			0.0	0.0	3.8	3.8	0.01	0.00	-	
S115	0.757	BGT-kar/11	-0.3	-0.3	3.8	3.8	0.09	0.08	-	0.09
			0.0	0.0	3.8	3.8	0.01	0.00	-	
S116	0.757	BGT-kar/11	-0.4	-0.4	3.8	3.8	0.11	0.10	-	0.11
			0.0	0.0	3.8	3.8	0.01	0.00	-	
S117	0.757	BGT-kar/12	0.3	0.3	3.8	3.8	0.08	0.08	-	0.08
			0.0	0.0	3.8	3.8	0.01	0.00	-	
S118	0.757	BGT-kar/12	0.4	0.4	3.8	3.8	0.10	0.09	-	0.10
			0.0	0.0	3.8	3.8	0.01	0.00	-	
S119	0.757	BGT-kar/13	-0.3	-0.3	3.8	3.8	0.09	0.08	-	0.09
			0.0	0.0	3.8	3.8	0.01	0.01	-	
S120	0.757	BGT-kar/13	-0.4	-0.4	3.8	3.8	0.11	0.10	-	0.11
			0.0	0.0	3.8	3.8	0.01	0.01	-	
S121	0.757	BGT-kar/14	0.3	0.3	3.8	3.8	0.08	0.08	-	0.08
			0.0	0.0	3.8	3.8	0.01	0.00	-	
S122	0.757	BGT-kar/14	0.4	0.4	3.8	3.8	0.10	0.09	-	0.10
			0.0	0.0	3.8	3.8	0.01	0.00	-	
S123	0.757	BGT-kar/15	-0.3	-0.3	3.8	3.8	0.09	0.08	-	0.09
			0.0	0.0	3.8	3.8	0.01	0.00	-	
S124	0.757	BGT-kar/15	-0.4	-0.4	3.8	3.8	0.11	0.10	-	0.11
			0.0	0.0	3.8	3.8	0.01	0.00	-	
S125	0.757	BGT-kar/16	0.3	0.3	3.8	3.8	0.08	0.08	-	0.08
			0.0	0.0	3.8	3.8	0.01	0.00	-	
S126	0.757	BGT-kar/17	0.4	0.4	3.8	3.8	0.10	0.09	-	0.10
			0.0	0.0	3.8	3.8	0.01	0.00	-	
S127	0.757	BGT-kar/18	-0.3	-0.3	3.8	3.8	0.09	0.08	-	0.09
			0.0	0.0	3.8	3.8	0.01	0.00	-	
S128	0.757	BGT-kar/18	-0.4	-0.4	3.8	3.8	0.11	0.10	-	0.11
			0.0	0.0	3.8	3.8	0.01	0.00	-	
S129	0.757	BGT-kar/19	0.3	0.3	3.8	3.8	0.08	0.08	-	0.08
			0.0	0.0	3.8	3.8	0.01	0.00	-	
S130	0.757	BGT-kar/20	0.4	0.4	3.8	3.8	0.10	0.09	-	0.10
			0.0	0.0	3.8	3.8	0.01	0.00	-	
S131	0.757	BGT-kar/21	-0.3	-0.3	3.8	3.8	0.09	0.08	-	0.09
			0.0	0.0	3.8	3.8	0.01	0.00	-	
S132	0.757	BGT-kar/22	-0.4	-0.4	3.8	3.8	0.11	0.10	-	0.11
			0.0	0.0	3.8	3.8	0.01	0.00	-	
S133	0.757	BGT-kar/23	0.3	0.3	3.8	3.8	0.08	0.08	-	0.08
			0.0	0.0	3.8	3.8	0.01	0.00	-	
S134	0.757	BGT-kar/23	0.4	0.4	3.8	3.8	0.10	0.09	-	0.10
			0.0	0.0	3.8	3.8	0.01	0.00	-	
S135	0.757	BGT-kar/24	-0.3	-0.3	3.8	3.8	0.09	0.08	-	0.09
			0.0	0.0	3.8	3.8	0.01	0.00	-	
S136	0.757	BGT-kar/25	-0.4	-0.4	3.8	3.8	0.11	0.10	-	0.11
			0.0	0.0	3.8	3.8	0.01	0.00	-	
S161	5.000-	BGT-kar/26	0.0	0.0	3.3	3.3	0.00	0.00	-	0.25
			-5.8	-5.0	23.3	23.3	0.25	0.21	-	
S166	1.750	BGT-kar/27	2.7	2.7	11.7	11.7	0.23	0.23	-	0.23
			-0.3	0.0	11.7	11.7	0.03	0.00	-	
S167	1.750	BGT-kar/28	2.7	2.7	11.7	11.7	0.23	0.23	-	0.23
			-1.4	-1.1	11.7	11.7	0.12	0.10	-	
S168	1.750	BGT-kar/29	2.7	2.7	11.7	11.7	0.23	0.23	-	0.23
			-0.3	0.0	11.7	11.7	0.03	0.00	-	
S169	1.750	BGT-kar/30	-2.7	-2.7	11.7	11.7	0.23	0.23	-	0.23
			-0.3	0.0	11.7	11.7	0.03	0.00	-	

Name	ifa [m]	Case	$u_{y,max}$ [mm]	$u_{y,min}$ [mm]	Lim. $u_{y,max}$ [mm]	Lim. $u_{y,min}$ [mm]	Check $u_{y,max}$ [-]	Check $u_{y,min}$ [-]	Camber dx u_x [mm] Camber [mm]	Check σ_{max} [-]
S170	1.750	BGT-kar/28	2.7 -1.4	2.7 -1.1	11.7 11.7	11.7 11.7	0.23 0.12	0.23 0.10	-	0.23
S171	1.750	BGT-kar/31	2.7 -1.4	2.7 -1.1	11.7 11.7	11.7 11.7	0.23 0.12	0.23 0.10	-	0.23
S172	1.750	BGT-kar/32	2.7 -0.3	2.7 0.0	11.7 11.7	11.7 11.7	0.23 0.03	0.23 0.00	-	0.23
S174	1.750	BGT-kar/33	2.7 -0.3	2.7 0.0	11.7 11.7	11.7 11.7	0.23 0.03	0.23 0.00	-	0.23
S175	1.750	BGT-kar/34	2.7 -0.3	2.7 0.0	11.7 11.7	11.7 11.7	0.23 0.03	0.23 0.00	-	0.23
S176	1.750	BGT-kar/35	2.7 -1.4	2.7 -1.1	11.7 11.7	11.7 11.7	0.23 0.12	0.23 0.10	-	0.23
S177	1.750	BGT-kar/34	2.7 -0.3	2.7 0.0	11.7 11.7	11.7 11.7	0.23 0.03	0.23 0.00	-	0.23
S178	5.000-	BGT-kar/36	0.0 6.5	0.0 7.0	3.3 23.3	3.3 23.3	0.00 0.28	0.00 0.30	-	0.30
S179	1.750	BGT-kar/37	6.7 -1.4	6.7 -1.1	11.7 11.7	11.7 11.7	0.57 0.12	0.57 0.10	-	0.57
S180	1.750	BGT-kar/38	2.7 -0.3	2.7 0.0	11.7 11.7	11.7 11.7	0.23 0.03	0.23 0.00	-	0.23
S181	1.750	BGT-kar/39	-2.7 -0.3	-2.7 0.0	11.7 11.7	11.7 11.7	0.23 0.03	0.23 0.00	-	0.23
S182	1.750	BGT-kar/40	-2.7 -0.3	-2.7 0.0	11.7 11.7	11.7 11.7	0.23 0.03	0.23 0.00	-	0.23
S183	1.750	BGT-kar/41	-2.7 -0.3	-2.7 0.0	11.7 11.7	11.7 11.7	0.23 0.03	0.23 0.00	-	0.23
S184	1.750	BGT-kar/42	2.7 -0.3	2.7 0.0	11.7 11.7	11.7 11.7	0.23 0.03	0.23 0.00	-	0.23
S185	1.750	BGT-kar/43	2.7 -1.4	2.7 -1.1	11.7 11.7	11.7 11.7	0.23 0.12	0.23 0.10	-	0.23
S186	1.750	BGT-kar/44	-2.7 -1.4	-2.7 -1.1	11.7 11.7	11.7 11.7	0.23 0.12	0.23 0.10	-	0.23
S187	1.750	BGT-kar/45	2.7 -1.4	2.7 -1.1	11.7 11.7	11.7 11.7	0.23 0.12	0.23 0.10	-	0.23
S188	1.750	BGT-kar/3	2.7 -0.3	2.7 0.0	11.7 11.7	11.7 11.7	0.23 0.03	0.23 0.00	-	0.23
S189	1.750	BGT-kar/46	-2.7 -1.4	-2.7 -1.1	11.7 11.7	11.7 11.7	0.23 0.12	0.23 0.10	-	0.23
S190	1.750	BGT-kar/47	-2.7 -0.3	-2.7 0.0	11.7 11.7	11.7 11.7	0.23 0.03	0.23 0.00	-	0.23
S191	1.750	BGT-kar/47	-2.7 -0.3	-2.7 0.0	11.7 11.7	11.7 11.7	0.23 0.03	0.23 0.00	-	0.23
S192	1.750	BGT-kar/48	-2.7 -0.3	-2.7 0.0	11.7 11.7	11.7 11.7	0.23 0.03	0.23 0.00	-	0.23
S193	1.750	BGT-kar/49	2.7 -1.4	2.7 -1.1	11.7 11.7	11.7 11.7	0.23 0.12	0.23 0.10	-	0.23
S194	1.750	BGT-kar/48	-2.7 -0.3	-2.7 0.0	11.7 11.7	11.7 11.7	0.23 0.03	0.23 0.00	-	0.23
S195	1.750	BGT-kar/50	2.7 -1.4	2.7 -1.1	11.7 11.7	11.7 11.7	0.23 0.12	0.23 0.10	-	0.23
S196	1.750	BGT-kar/51	-2.7 -0.3	-2.7 0.0	11.7 11.7	11.7 11.7	0.23 0.03	0.23 0.00	-	0.23
S197	1.750	BGT-kar/52	-2.7 -0.3	-2.7 0.0	11.7 11.7	11.7 11.7	0.23 0.03	0.23 0.00	-	0.23
S198	1.750	BGT-kar/53	-2.7 -0.3	-2.7 0.0	11.7 11.7	11.7 11.7	0.23 0.03	0.23 0.00	-	0.23
S199	1.750	BGT-kar/54	-2.7 -1.4	-2.7 -1.1	11.7 11.7	11.7 11.7	0.23 0.12	0.23 0.10	-	0.23
S200	1.750	BGT-kar/55	-2.7 -1.4	-2.7 -1.1	11.7 11.7	11.7 11.7	0.23 0.12	0.23 0.10	-	0.23
S201	5.000-	BGT-kar/56	0.0 -5.8	0.0 -5.0	3.3 23.3	3.3 23.3	0.00 0.25	0.00 0.21	-	0.25
S202	5.000-	BGT-kar/57	0.0 6.5	0.0 7.0	3.3 23.3	3.3 23.3	0.00 0.28	0.00 0.30	-	0.30
S203	1.750	BGT-kar/58	-2.7 -0.3	-2.7 0.0	11.7 11.7	11.7 11.7	0.23 0.03	0.23 0.00	-	0.23
S204	1.750	BGT-kar/59	-2.7 -0.3	-2.7 0.0	11.7 11.7	11.7 11.7	0.23 0.03	0.23 0.00	-	0.23
S205	1.750	BGT-kar/60	2.7 -1.4	2.7 -1.1	11.7 11.7	11.7 11.7	0.23 0.12	0.23 0.10	-	0.23
S206	1.750	BGT-kar/61	2.7 -0.3	2.7 0.0	11.7 11.7	11.7 11.7	0.23 0.03	0.23 0.00	-	0.23
S207	1.750	BGT-kar/62	2.7 -0.3	2.7 0.0	11.7 11.7	11.7 11.7	0.23 0.03	0.23 0.00	-	0.23
S208	1.750	BGT-kar/63	2.7 -0.3	2.7 0.0	11.7 11.7	11.7 11.7	0.23 0.03	0.23 0.00	-	0.23
S209	1.750	BGT-kar/64	2.7 -1.4	2.7 -1.1	11.7 11.7	11.7 11.7	0.23 0.12	0.23 0.10	-	0.23
S210	1.750	BGT-kar/65	2.7 -1.4	2.7 -1.1	11.7 11.7	11.7 11.7	0.23 0.12	0.23 0.10	-	0.23
S211	1.750	BGT-kar/66	-2.7	-2.7	11.7	11.7	0.23	0.23	-	0.23

Name	ifa [m]	Case	$u_{y,max}$ [mm]	$u_{y,min}$ [mm]	Lim. $u_{y,max}$ [mm]	Lim. $u_{y,min}$ [mm]	Check $u_{y,max}$ [-]	Check $u_{y,min}$ [-]	Camber d/c u_x [mm]	Check σ_{max} [-]
			-0.3	0.0	11.7	11.7	0.03	0.00	-	
S212	1.750	BGT-kar/67	2.7	2.7	11.7	11.7	0.23	0.23	-	0.23
			-1.4	-1.1	11.7	11.7	0.12	0.10	-	
S213	1.750	BGT-kar/68	-2.7	-2.7	11.7	11.7	0.23	0.23	-	0.23
			-1.4	-1.1	11.7	11.7	0.12	0.10	-	
S214	5.000-	BGT-kar/69	0.0	0.0	3.3	3.3	0.00	0.00	-	0.25
			-5.8	-5.0	23.3	23.3	0.25	0.21	-	
S215	5.000-	BGT-kar/70	0.0	0.0	3.3	3.3	0.00	0.00	-	0.30
			6.5	7.0	23.3	23.3	0.28	0.30	-	
S216	1.750	BGT-kar/71	-2.7	-2.7	11.7	11.7	0.23	0.23	-	0.23
			-0.3	0.0	11.7	11.7	0.03	0.00	-	
S217	1.750	BGT-kar/72	-2.7	-2.7	11.7	11.7	0.23	0.23	-	0.23
			-1.4	-1.1	11.7	11.7	0.12	0.10	-	
S218	1.750	BGT-kar/73	-2.7	-2.7	11.7	11.7	0.23	0.23	-	0.23
			-1.4	-1.1	11.7	11.7	0.12	0.10	-	
S219	1.750	BGT-kar/74	2.7	2.7	11.7	11.7	0.23	0.23	-	0.23
			-1.4	-1.1	11.7	11.7	0.12	0.10	-	
S220	1.917	BGT-kar/75	-0.3	-0.3	7.7	7.7	0.03	0.03	-	0.19
			-2.2	-1.6	11.7	11.7	0.19	0.14	-	
S221	1.917	BGT-kar/76	0.8	0.8	7.7	7.7	0.10	0.10	-	0.27
			-3.1	-2.2	11.7	11.7	0.27	0.19	-	
S222	1.750	BGT-kar/77	-2.7	-2.7	11.7	11.7	0.23	0.23	-	0.23
			-1.4	-1.1	11.7	11.7	0.12	0.10	-	
S223	1.750	BGT-kar/78	-2.7	-2.7	11.7	11.7	0.23	0.23	-	0.23
			-0.3	0.0	11.7	11.7	0.03	0.00	-	
S224	1.150	BGT-kar/79	-1.3	-1.3	7.7	7.7	0.17	0.17	-	0.17
			-1.3	-1.0	11.7	11.7	0.11	0.08	-	
S225	1.750	BGT-kar/80	-2.7	-2.7	11.7	11.7	0.23	0.23	-	0.23
			-1.4	-1.1	11.7	11.7	0.12	0.10	-	
S226	1.750	BGT-kar/81	2.7	2.7	11.7	11.7	0.23	0.23	-	0.23
			-0.3	0.0	11.7	11.7	0.03	0.00	-	
S227	5.000-	BGT-kar/82	0.0	0.0	3.3	3.3	0.00	0.00	-	0.26
			-6.1	-5.0	23.3	23.3	0.26	0.21	-	
S228	5.000-	BGT-kar/76	0.0	0.0	3.3	3.3	0.00	0.00	-	0.30
			-5.7	-4.5	19.3	19.3	0.30	0.23	-	
S229	1.750	BGT-kar/3	2.7	2.7	11.7	11.7	0.23	0.23	-	0.23
			-0.3	0.0	11.7	11.7	0.03	0.00	-	
S230	1.750	BGT-kar/83	2.7	2.7	11.7	11.7	0.23	0.23	-	0.23
			-1.4	-1.1	11.7	11.7	0.12	0.10	-	
S231	1.750	BGT-kar/84	-2.7	-2.7	11.7	11.7	0.23	0.23	-	0.23
			-1.4	-1.1	11.7	11.7	0.12	0.10	-	
S232	1.750	BGT-kar/85	-2.7	-2.7	11.7	11.7	0.23	0.23	-	0.23
			-0.3	0.0	11.7	11.7	0.03	0.00	-	
S233	1.750	BGT-kar/83	2.7	2.7	11.7	11.7	0.23	0.23	-	0.23
			-1.4	-1.1	11.7	11.7	0.12	0.10	-	
S234	1.750	BGT-kar/45	2.7	2.7	11.7	11.7	0.23	0.23	-	0.23
			-1.4	-1.1	11.7	11.7	0.12	0.10	-	
S235	1.750	BGT-kar/86	2.7	2.7	11.7	11.7	0.23	0.23	-	0.23
			-0.3	0.0	11.7	11.7	0.03	0.00	-	
S236	1.750	BGT-kar/87	-2.7	-2.7	11.7	11.7	0.23	0.23	-	0.23
			-1.4	-1.1	11.7	11.7	0.12	0.10	-	
S237	1.750	BGT-kar/88	-2.7	-2.7	11.7	11.7	0.23	0.23	-	0.23
			-0.3	0.0	11.7	11.7	0.03	0.00	-	
S238	1.750	BGT-kar/89	-2.7	-2.7	11.7	11.7	0.23	0.23	-	0.23
			-0.3	0.0	11.7	11.7	0.03	0.00	-	
S239	1.750	BGT-kar/90	2.7	2.7	11.7	11.7	0.23	0.23	-	0.23
			-1.4	-1.1	11.7	11.7	0.12	0.10	-	
S240	5.000-	BGT-kar/91	0.0	0.0	3.3	3.3	0.00	0.00	-	0.25
			-5.8	-5.0	23.3	23.3	0.25	0.21	-	
S241	5.000-	BGT-kar/92	0.0	0.0	3.3	3.3	0.00	0.00	-	0.30
			6.5	6.9	23.3	23.3	0.28	0.30	-	
S242	0.690	BGT-kar/93	-0.3	-0.3	6.9	6.9	0.04	0.04	-	0.04
			-0.1	0.0	6.9	6.9	0.01	0.00	-	
S243	0.690	BGT-kar/94	0.3	0.3	6.9	6.9	0.04	0.04	-	0.04
			0.0	0.0	6.9	6.9	0.00	0.00	-	
S244	1.380	BGT-kar/95	-0.1	-0.1	6.9	6.9	0.02	0.02	-	0.02
			0.0	0.0	6.9	6.9	0.00	0.00	-	
S245	1.035+	BGT-kar/95	-0.2	-0.2	6.9	6.9	0.03	0.03	-	0.03
			-0.1	0.0	6.9	6.9	0.01	0.00	-	
S246	0.600-	BGT-kar/96	0.0	0.0	4.0	4.0	0.00	0.00	-	0.01
			-0.1	0.0	4.0	4.0	0.01	0.01	-	
S247	0.600-	BGT-kar/97	0.0	0.0	4.0	4.0	0.00	0.00	-	0.01
			0.0	0.0	4.0	4.0	0.01	0.01	-	
S248	0.600-	BGT-kar/79	0.0	0.0	4.0	4.0	0.00	0.00	-	0.01
			0.0	0.0	4.0	4.0	0.01	0.01	-	
S249	0.800	BGT-kar/98	0.0	0.0	4.0	4.0	0.00	0.00	-	0.00
			0.0	0.0	4.0	4.0	0.00	0.00	-	
S250	0.000	BGT-kar/99	0.0	-	1.7	1.7	0.00	-	-	0.00
			0.0	-	1.7	1.7	0.00	-	-	
S251	0.700-	BGT-kar/100	0.0	0.0	3.3	3.3	0.00	0.00	-	0.01
			0.0	0.0	3.3	3.3	0.01	0.01	-	

Name	ifa [m]	Case	U _{y,max} [mm]	U _{y,min} [mm]	Lim. U _{y,max} [mm]	Lim. U _{y,min} [mm]	Check U _{y,max} [-]	Check U _{y,min} [-]	Camber dx U _x [mm]	Check camber [-]
S252	1.750	BGT-kar/101	0.3	0.3	11.7	11.7	0.02	0.02	-	0.14
S253	1.750	BGT-kar/24	0.3	0.3	11.7	11.7	0.02	0.02	-	0.14
S254	1.750	BGT-kar/102	0.3	0.3	11.7	11.7	0.02	0.02	-	0.14
S255	1.750	BGT-kar/103	0.3	0.3	11.7	11.7	0.02	0.02	-	0.14
S256	1.750	BGT-kar/104	0.3	0.3	11.7	11.7	0.02	0.02	-	0.14
S257	1.750	BGT-kar/105	0.3	0.3	11.7	11.7	0.02	0.02	-	0.14
S258	1.750	BGT-kar/106	0.3	0.3	11.7	11.7	0.02	0.02	-	0.14
S259	1.750	BGT-kar/107	0.4	0.4	11.7	11.7	0.04	0.04	-	0.14
S260	1.750	BGT-kar/108	0.3	0.3	11.7	11.7	0.02	0.02	-	0.14
S261	1.750	BGT-kar/109	0.3	0.3	11.7	11.7	0.02	0.02	-	0.14
S262	1.750	BGT-kar/110	0.3	0.3	11.7	11.7	0.02	0.02	-	0.14
S339	1.750	BGT-kar/111	0.3	0.3	11.7	11.7	0.02	0.02	-	0.14
S340	2.800	BGT-kar/112	1.2	1.2	11.7	11.7	0.11	0.11	-	0.11
S341	2.800	BGT-kar/113	-1.2	-1.2	11.7	11.7	0.11	0.11	-	0.11
S342	2.800	BGT-kar/114	-1.2	-1.2	11.7	11.7	0.11	0.11	-	0.11
S343	2.800	BGT-kar/115	1.2	1.2	11.7	11.7	0.11	0.11	-	0.11
S344	2.800	BGT-kar/116	-1.2	-1.2	11.7	11.7	0.11	0.11	-	0.11
S345	2.800	BGT-kar/117	1.2	1.2	11.7	11.7	0.11	0.11	-	0.11
S346	2.800	BGT-kar/118	-1.2	-1.2	11.7	11.7	0.11	0.11	-	0.11
S347	2.800	BGT-kar/119	1.2	1.2	11.7	11.7	0.11	0.11	-	0.11
S348	2.800	BGT-kar/120	-1.6	-1.6	11.7	11.7	0.14	0.14	-	0.14
S349	0.767	BGT-kar/121	-2.0	-2.0	7.7	7.7	0.26	0.26	-	0.26
S350	2.800	BGT-kar/122	-1.2	-1.2	11.7	11.7	0.11	0.11	-	0.11
S351	2.800	BGT-kar/123	1.2	1.2	11.7	11.7	0.11	0.11	-	0.11
S352	0.000	BGT-kar/99	0.0	-	1.7	1.7	0.00	-	-	0.00
S432	0.941-	BGT-kar/124	0.0	0.0	6.3	6.3	0.00	0.00	-	0.00
S532	0.941+	BGT-kar/124	0.0	0.0	6.3	6.3	0.00	0.00	-	0.00
S533	0.941+	BGT-kar/76	0.0	0.0	6.3	6.3	0.00	0.00	-	0.00
S534	0.941+	BGT-kar/125	0.0	0.0	6.3	6.3	0.00	0.00	-	0.00
S535	0.941-	BGT-kar/126	0.0	0.0	6.3	6.3	0.00	0.00	-	0.00
S536	0.941-	BGT-kar/127	0.0	0.0	6.3	6.3	0.00	0.00	-	0.00
S537	0.941-	BGT-kar/128	0.0	0.0	6.3	6.3	0.00	0.00	-	0.00
S538	0.941-	BGT-kar/81	0.0	0.0	6.3	6.3	0.00	0.00	-	0.00
S539	0.941-	BGT-kar/129	0.0	0.0	6.3	6.3	0.00	0.00	-	0.00
S540	0.941-	BGT-kar/130	0.0	0.0	6.3	6.3	0.00	0.00	-	0.00
S541	0.941-	BGT-kar/131	0.0	0.0	6.3	6.3	0.00	0.00	-	0.00
S542	0.941+	BGT-kar/132	0.0	0.0	6.3	6.3	0.00	0.00	-	0.00
S543	0.941-	BGT-kar/133	0.0	0.0	6.3	6.3	0.00	0.00	-	0.00
S544	0.941+	BGT-kar/133	0.0	0.0	6.3	6.3	0.00	0.00	-	0.00
S545	0.941-	BGT-kar/33	0.0	0.0	6.3	6.3	0.00	0.00	-	0.00
S546	0.941-	BGT-kar/33	0.0	0.0	6.3	6.3	0.00	0.00	-	0.00

Name	dx [m]	Case	u _{y,max} [mm] u _{z,max} [mm]	u _{y,var} [mm] u _{z,var} [mm]	Lim. u _{y,max} [mm] Lim. u _{z,max} [mm]	Lim. u _{y,var} [mm] Lim. u _{z,var} [mm]	Check u _{y,max} [-] Check u _{z,max} [-]	Check u _{y,var} [-] Check u _{z,var} [-]	Camber dx [mm] u _z [mm] Camber [mm]	Check Overall [-]
			0.0	0.0	6.3	6.3	0.00	0.00	-	
S547	0.941-	BGT-kar/51	0.0	0.0	6.3	6.3	0.00	0.00	-	0.00
S548	0.941+	BGT-kar/51	0.0	0.0	6.3	6.3	0.00	0.00	-	0.00
S549	0.941+	BGT-kar/134	0.0	0.0	6.3	6.3	0.00	0.00	-	0.00
S550	0.941-	BGT-kar/135	0.0	0.0	6.3	6.3	0.00	0.00	-	0.00
S551	0.941-	BGT-kar/41	0.0	0.0	6.3	6.3	0.00	0.00	-	0.00
S552	0.941+	BGT-kar/41	0.0	0.0	6.3	6.3	0.00	0.00	-	0.00
S553	0.941+	BGT-kar/134	0.0	0.0	6.3	6.3	0.00	0.00	-	0.00
S554	0.941-	BGT-kar/136	0.0	0.0	6.3	6.3	0.00	0.00	-	0.00

Resultaten - u_{y,max}

Values: u_{y,max}

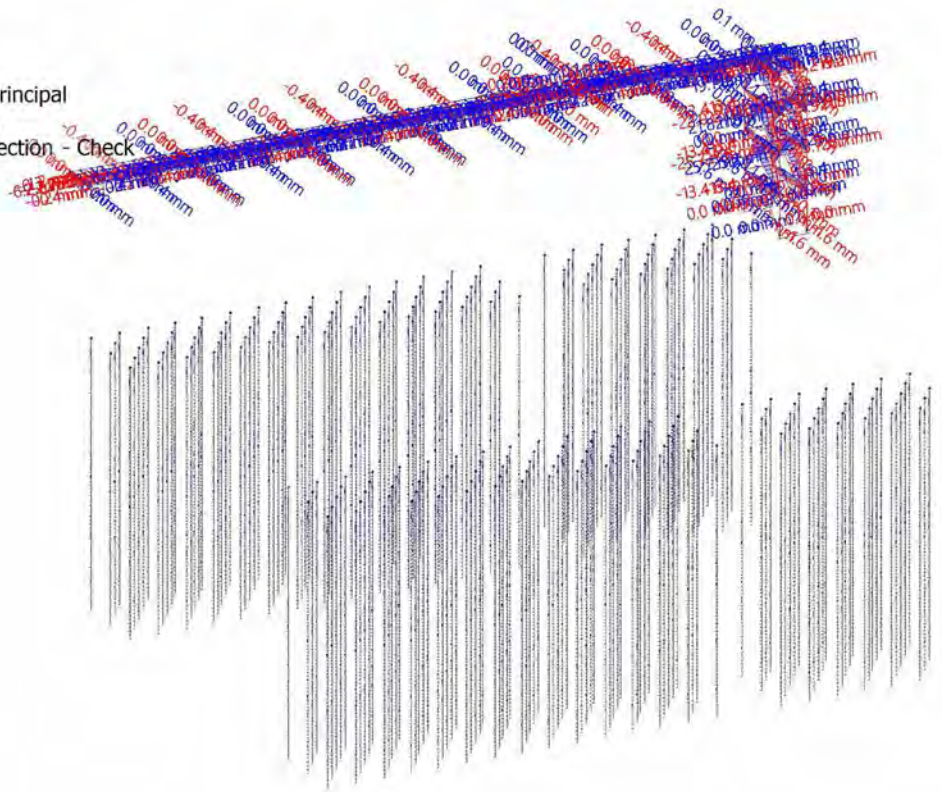
Linear calculation

Class: Alle BGT

Coordinate system: Principal

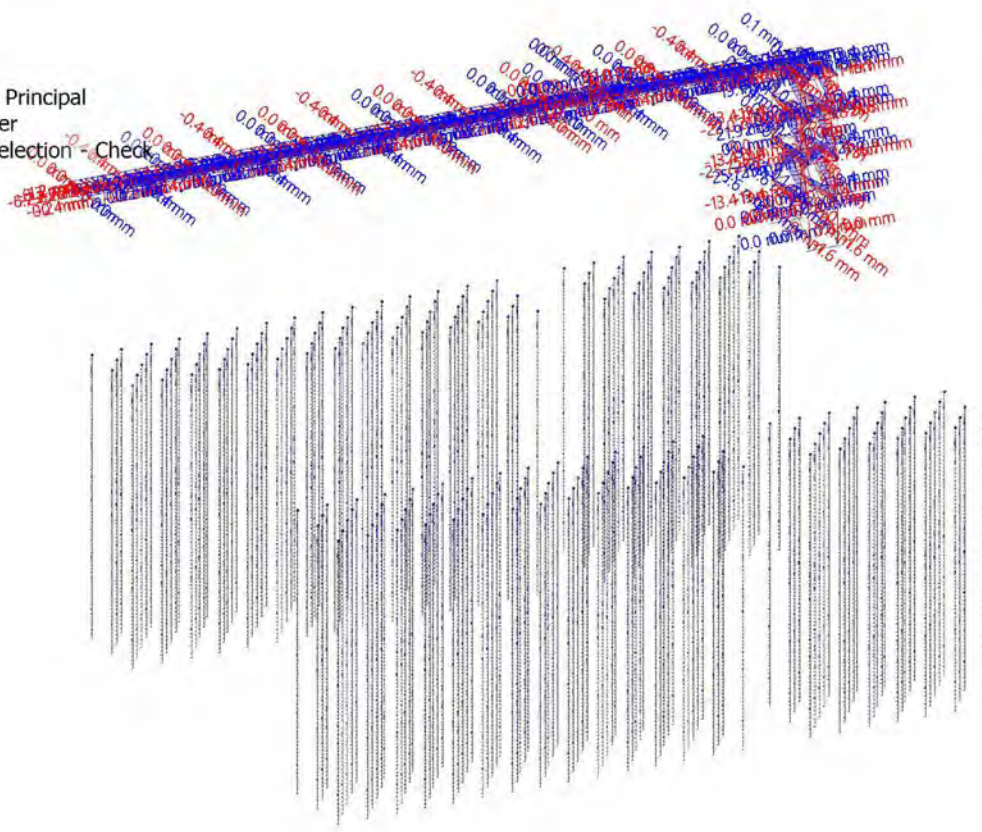
Extreme 1D: Member

Selection: Named selection - Check



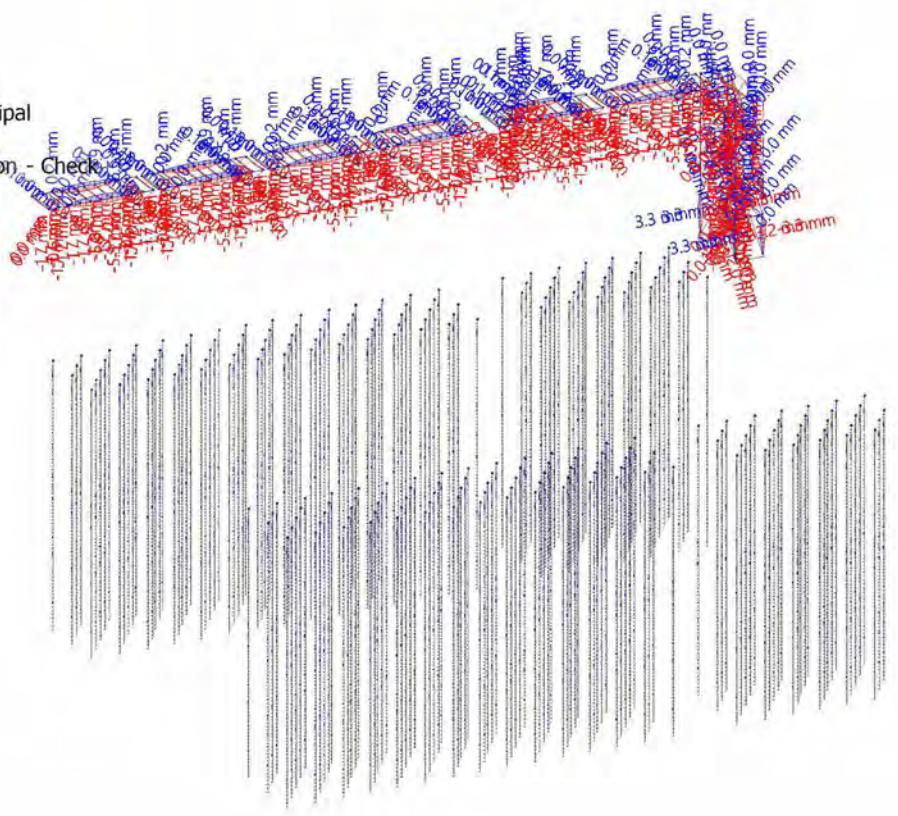
Resultaten - $u_{y,var}$

Values: $u_{y,var}$
Linear calculation
Class: Alle BGT
Coordinate system: Principal
Extreme 1D: Member
Selection: Named selection - Check



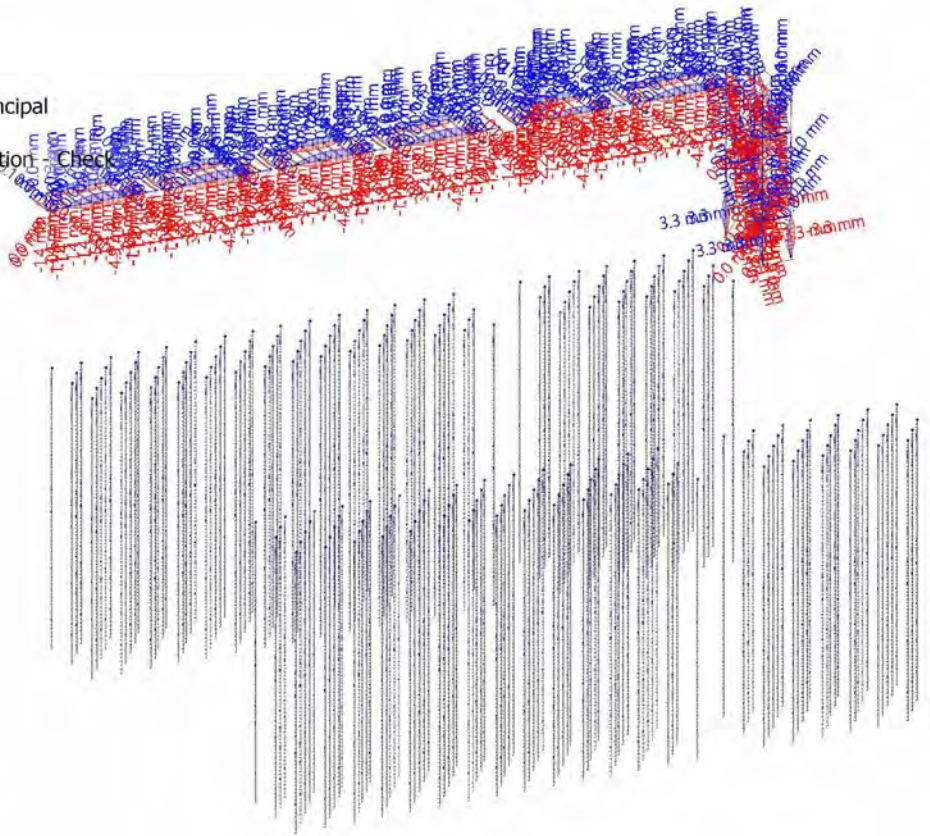
Resultaten - $u_{z,max}$

Values: $u_{z,max}$
Linear calculation
Class: Alle BGT
Coordinate system: Principal
Extreme 1D: Member
Selection: Named selection - Check



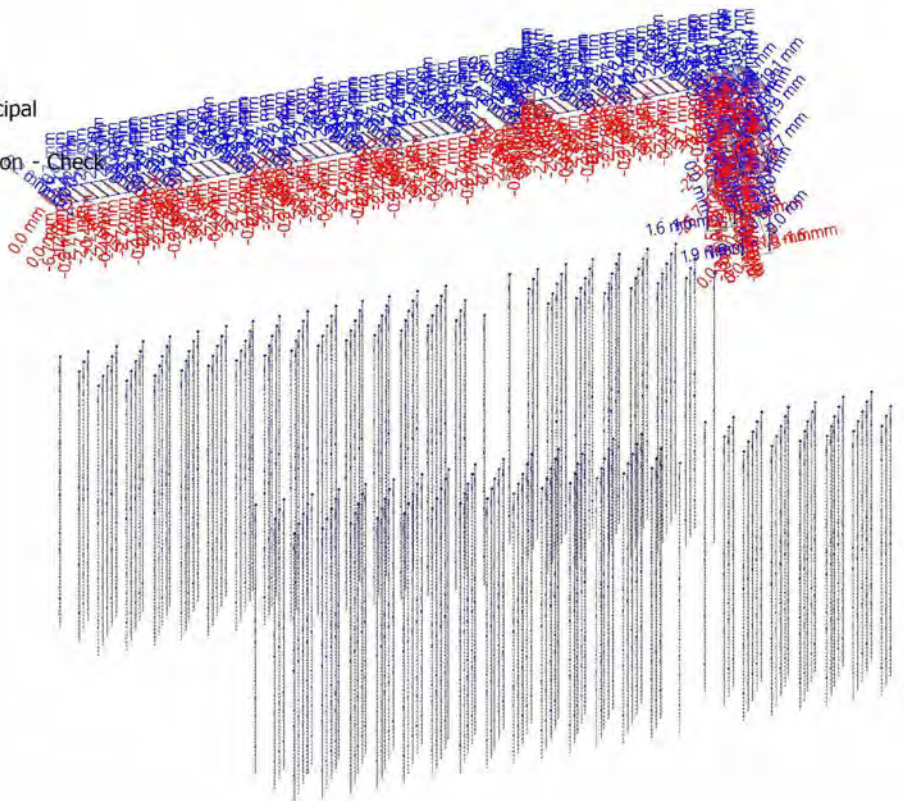
Resultaten - u_z, var

Values: u_z, var
Linear calculation
Class: Alle BGT
Coordinate system: Principal
Extreme 1D: Member
Selection: Named selection - Check



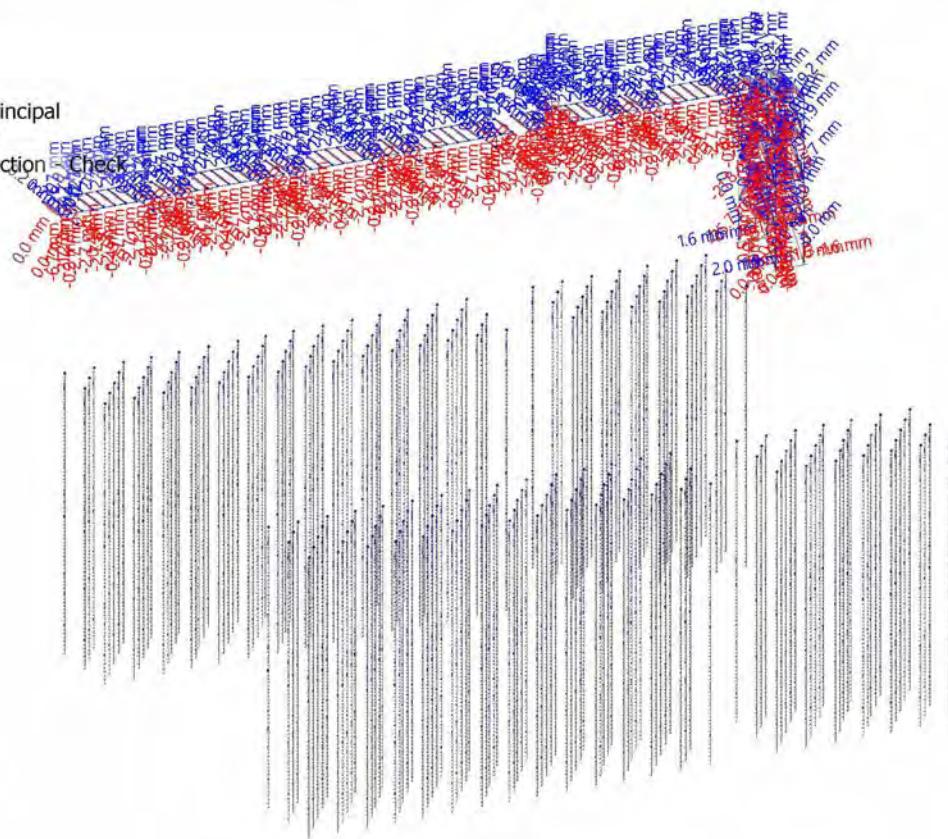
Resultaten - u_y, max

Values: u_y, max
Linear calculation
Class: Alle BGT
Coordinate system: Principal
Extreme 1D: Member
Selection: Named selection - Check



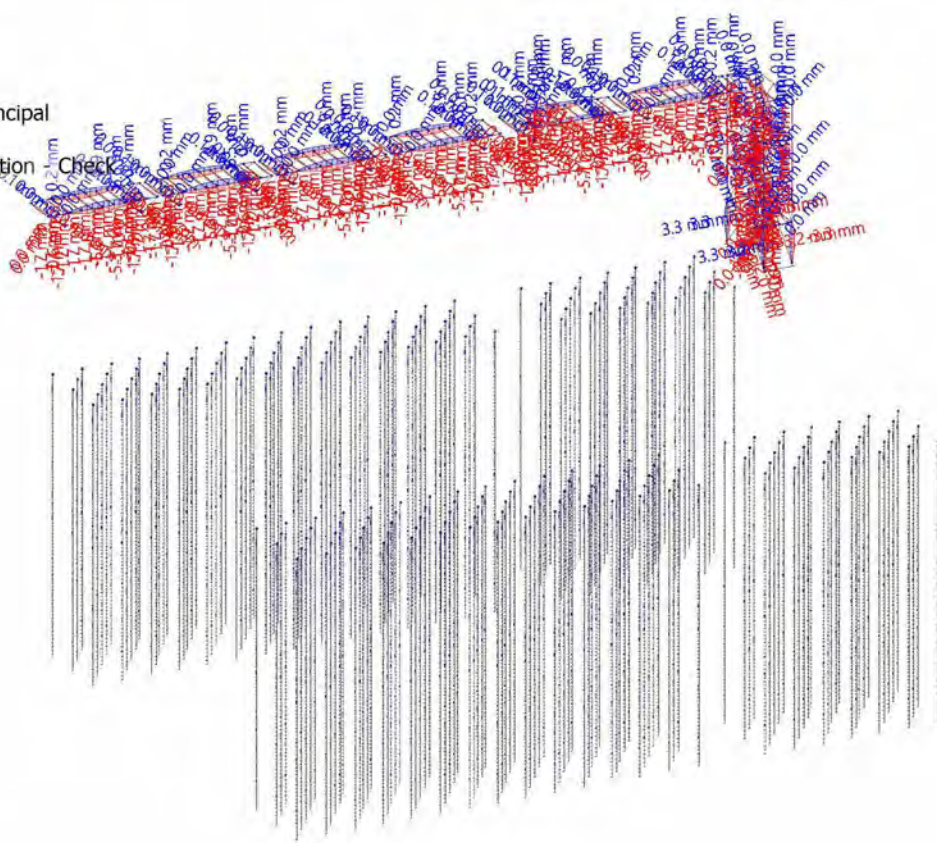
Resultaten - $u_{y,var}$

Values: $u_{y,var}$
Linear calculation
Class: Alle BGT
Coordinate system: Principal
Extreme 1D: Member
Selection: Named selection Check



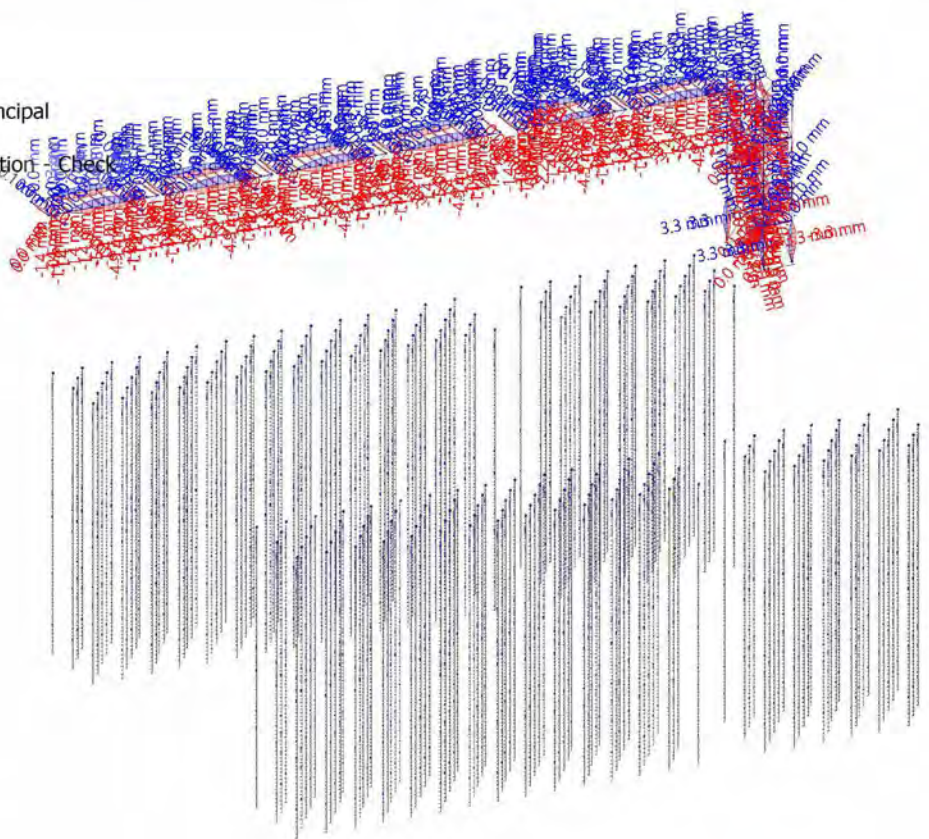
Resultaten - $u_{z,max}$

Values: $u_{z,max}$
Linear calculation
Class: Alle BGT
Coordinate system: Principal
Extreme 1D: Member
Selection: Named selection Check



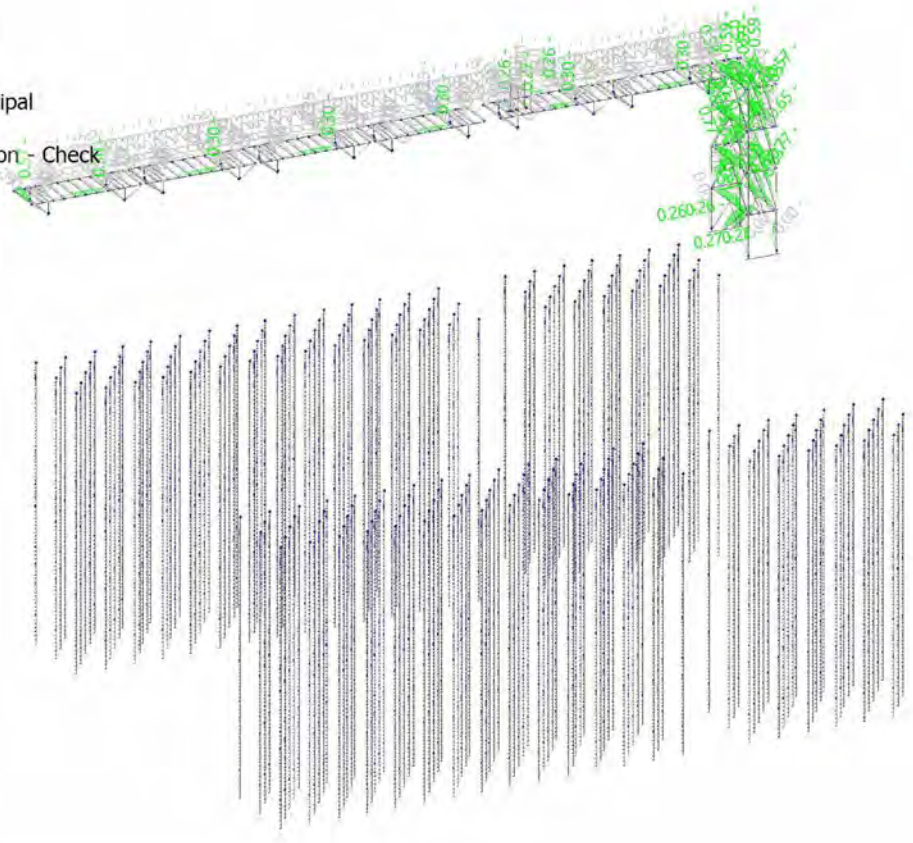
Resultaten - $u_{z,var}$

Values: $u_{z,var}$
Linear calculation
Class: Alle BGT
Coordinate system: Principal
Extreme 1D: Member
Selection: Named selection - Check

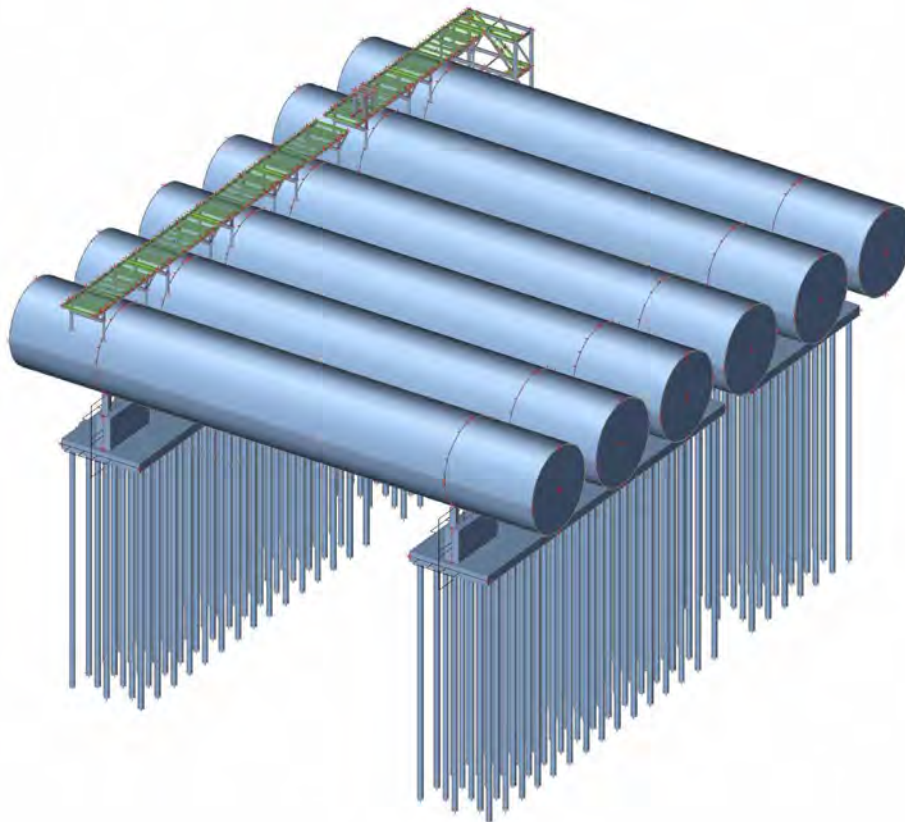


Resultaten - Check Overall

Values: **Check overall**
Linear calculation
Class: Alle BGT
Coordinate system: Principal
Extreme 1D: Member
Selection: Named selection - Check



Annex D.4. Concrete design



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2. Concrete design

2.1. Plates

2.1.1. Forces

2.1.1.1. Internal forces 2D

Linear calculation

Class: Alle UGT

Extreme: Global

Selection: All

Filter: Material = C35/45

Location: In nodes avg. on macro. System: LCS mesh element

Design internal forces in centroidal plane

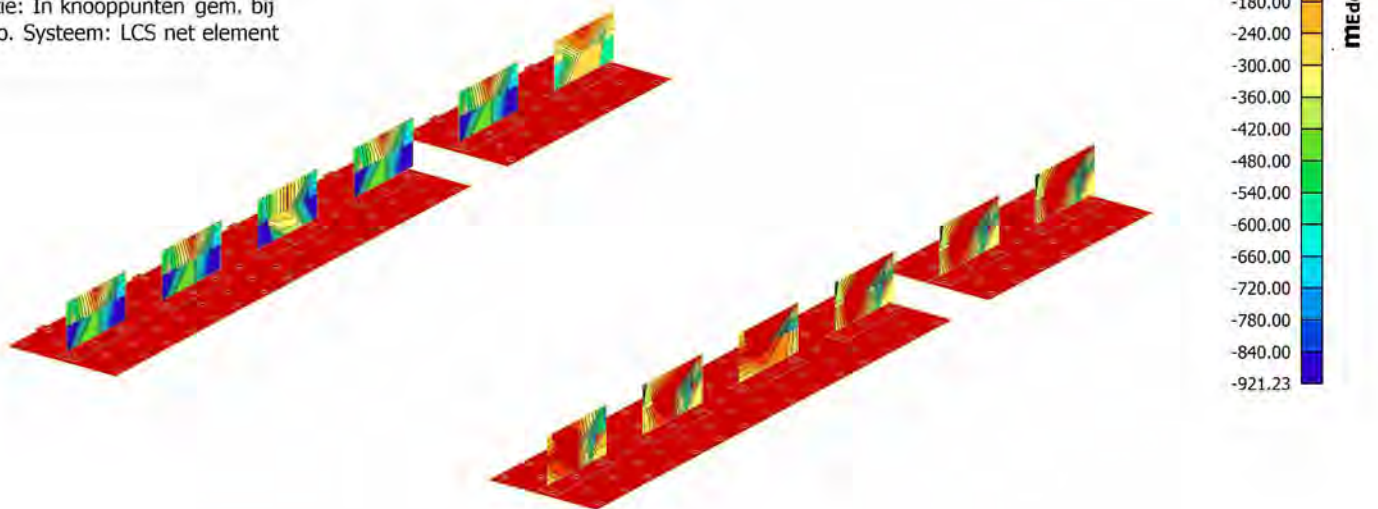
Name	Mesh	Position [m]	Case	m_{Ed1y}	m_{Ed2y}	m_{Ed1x}	m_{Ed2x}	m_{Ed1z}	m_{Ed2z}	V_{Ed}
				[kNm/m] π_{Ed1+} [kN/m]	[kNm/m] π_{Ed2+} [kN/m]	[kNm/m] π_{Ed1-} [kN/m]	[kNm/m] π_{Ed2-} [kN/m]	[kNm/m] π_{Ed1-} [kN/m]	[kNm/m] π_{Ed2-} [kN/m]	[kN/m]
E14	Element: 1564 Node: 73656	50.500 55.000 1.700	UGT-Set B/1	-870.05 19345.22	-132.86 2995.63	0.00 -11383.28	0.00 19345.22	0.00 2995.63	511.10 -11383.28	1.26
E6	Element: 928 Node: 587	48.895 11.350 -0.500	UGT-Set B/2	0.00 780.47	-4352.97 800.07	0.00 -1566.92	554.51 780.47	0.00 800.07	32.89 -1566.92	1289.52
E4	Element: 754 Node: 73168	12.500 29.000 1.700	UGT-Set B/3	-505.29 -11470.74	0.00 6714.11	-921.23 -20098.65	0.00 -11470.74	298.80 6714.11	0.00 -20098.65	12.08
E1	Element: 492 Node: 22759	11.750 3.357 -0.500	UGT-Set B/4	0.00 201.89	0.00 202.30	-23.09 -404.79	3809.23 201.89	816.75 202.30	0.00 -404.79	1806.49
E4	Element: 755 Node: 73163	12.500 22.500 1.700	UGT-Set B/5	0.00 -19172.02	0.00 -1853.37	0.00 -4672.15	859.84 -19172.02	62.89 -1853.37	220.09 -4672.15	14.96
E6	Element: 1331 Node: 587	48.895 11.350 -0.500	UGT-Set B/6	0.00 807.90	0.00 801.23	-21.89 -1614.49	1293.17 807.90	3654.44 801.23	0.00 -1614.49	1159.90
E9	Element: 1520 Node: 661	50.500 22.500 0.000	UGT-Set B/7	-263.05 5968.87	0.00 -15609.38	0.00 -1749.05	0.00 5968.87	723.60 -15609.38	66.50 -1749.05	17.93
E14	Element: 1561 Node: 73655	50.500 56.063 1.700	UGT-Set B/8	0.00 -8817.23	-399.42 8883.16	0.00 -14022.79	396.61 -8817.23	0.00 8883.16	631.99 -14022.79	0.70
E14	Element: 1560 Node: 73656	50.500 55.000 1.700	UGT-Set B/9	0.00 -11328.16	-277.61 6304.02	0.00 -20274.35	501.37 -11328.16	0.00 6304.02	924.94 -20274.35	11.68
E14	Element: 1561 Node: 73655	50.500 56.063 1.700	UGT-Set B/10	0.00 -8071.56	-277.82 6312.33	0.00 -20279.95	360.54 -8071.56	0.00 6312.33	924.32 -20279.95	10.07
E10	Element: 1533 Node: 73613	50.500 36.250 1.700	UGT-Set B/11	0.00 -67.55	0.00 -408.83	-0.94 -2.84	3.06 -67.55	19.55 -408.83	0.00 -2.84	1.50
E1	Element: 3 Node: 15	9.020 4.750 -0.500	UGT-Set B/12	0.00 38.41	-29.80 44.37	0.00 -77.05	80.34 38.41	0.00 44.37	6.82 -77.05	0.00
E6	Element: 911 Node: 536	51.250 12.000 -0.500	UGT-Set B/13	0.00 1243.51	-1267.88 1246.86	0.00 -2492.02	1854.26 1243.51	0.00 1246.86	31.52 -2492.02	3542.65

Name	Combination key
UGT-Set B/1	0.90*BG101 + 0.90*BG102 + 1.50*BG111
UGT-Set B/2	1.35*BG101 + 1.35*BG102 + 1.50*BG143 + 1.50*BG144 + 1.50*BG146 + 1.50*BG151

Name	Combination key
UGT-Set B/3	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG143 + 1.50*BG144 + 1.50*BG145 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/4	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG145 + 1.50*BG146 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/5	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG143 + 1.50*BG144 + 1.50*BG147 + 1.50*BG149 + 1.50*BG151
UGT-Set B/6	0.90*BG101 + 0.90*BG102 + 1.50*BG122 + 1.50*BG145 + 1.50*BG149
UGT-Set B/7	1.20*BG101 + 1.20*BG102 + 1.50*BG111 + 1.50*BG143 + 1.50*BG144 + 1.50*BG146
UGT-Set B/8	0.90*BG101 + 0.90*BG102 + 1.50*BG112 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149
UGT-Set B/9	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG141 + 1.50*BG147 + 1.50*BG150 + 1.50*BG151
UGT-Set B/10	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG141 + 1.50*BG142 + 1.50*BG147 + 1.50*BG149
UGT-Set B/11	0.90*BG101 + 0.90*BG102 + 1.50*BG122 + 1.50*BG144 + 1.50*BG147 + 1.50*BG149
UGT-Set B/12	0.90*BG101 + 0.90*BG102 + 1.50*BG121
UGT-Set B/13	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG144 + 1.50*BG145 + 1.50*BG146 + 1.50*BG151

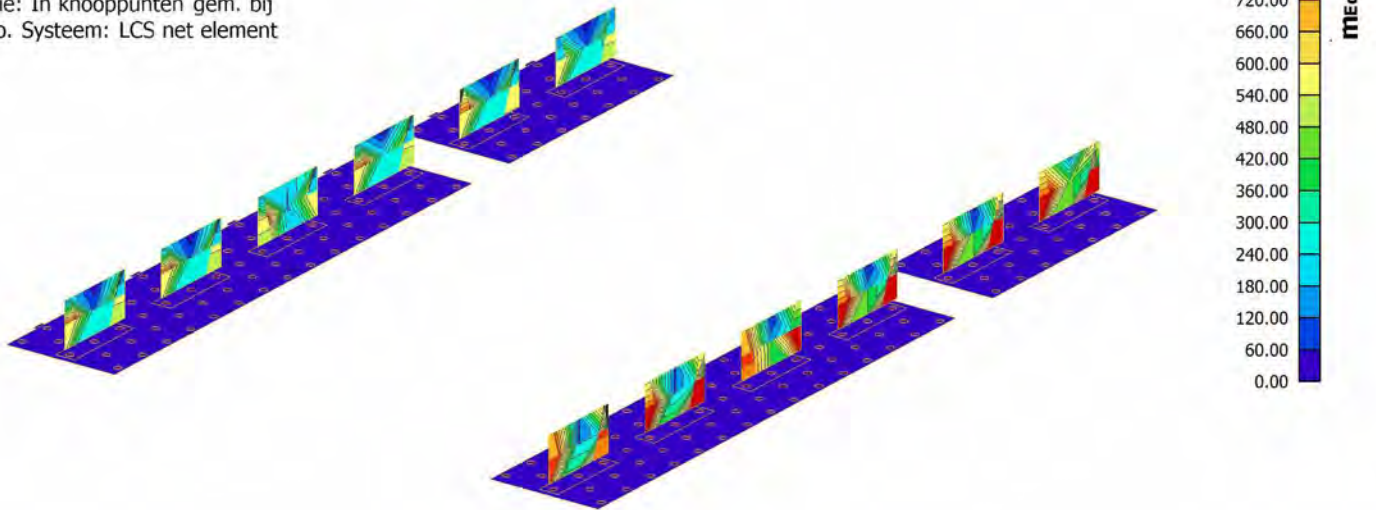
2.1.1.2. Rekenmodel - mEd,c+

Waardes: mEd,c+
 Lineaire berekening
 Klasse: Alle UGT
 Extreem: Globaal
 Selectie: Alle
 Filter: Materiaal = C35/45
 Locatie: In knooppunten gem. bij macro. Systeem: LCS net element



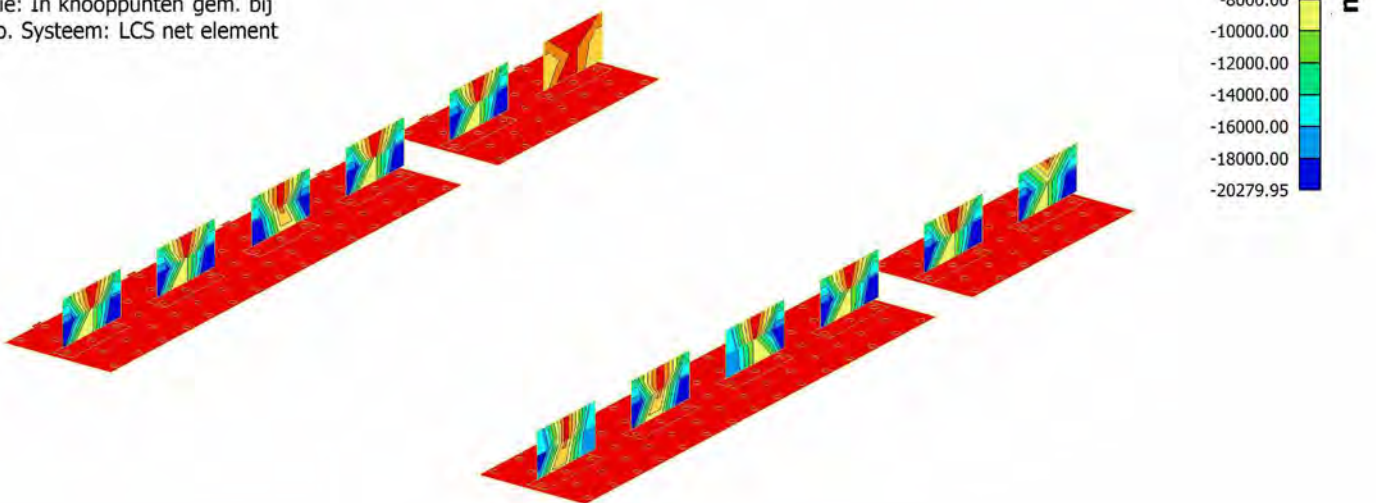
2.1.1.3. Rekenmodel - mEd,c-

Waardes: $m_{Ed,c-}$
Lineaire berekening
Klasse: Alle UGT
Extreem: Globaal
Selectie: Alle
Filter: Materiaal = C35/45
Locatie: In knooppunten gem. bij macro. Systeem: LCS net element



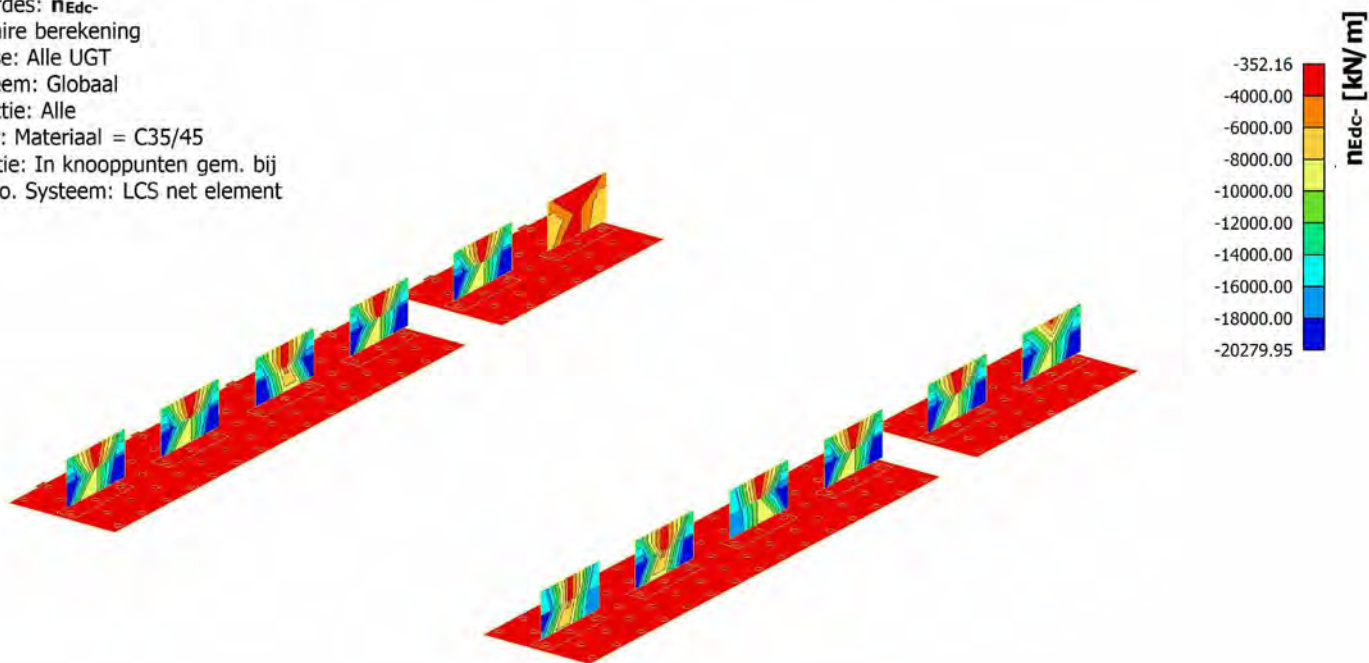
2.1.1.4. Rekenmodel - nEd,c+

Waardes: $n_{Ed,c+}$
Lineaire berekening
Klasse: Alle UGT
Extreem: Globaal
Selectie: Alle
Filter: Materiaal = C35/45
Locatie: In knooppunten gem. bij macro. Systeem: LCS net element



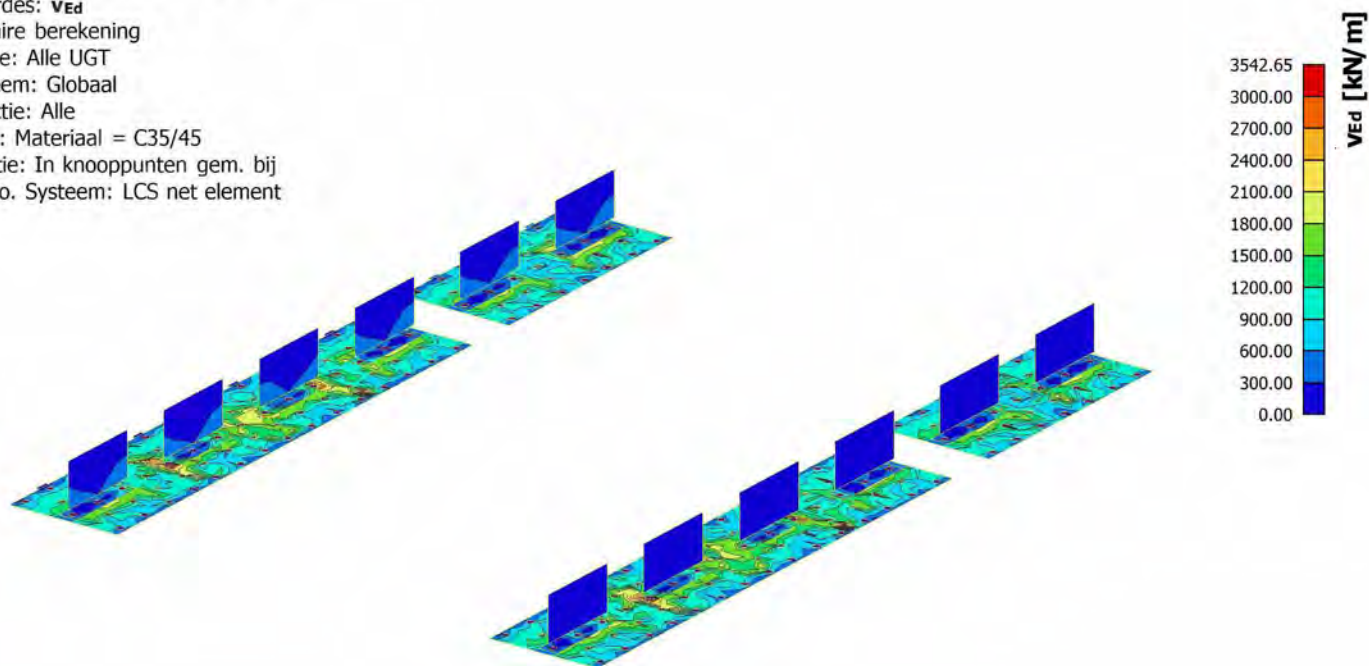
2.1.1.5. Rekenmodel - nEd,c-

Waardes: $n_{Ed,c}$
Lineaire berekening
Klasse: Alle UGT
Extreem: Globaal
Selectie: Alle
Filter: Materiaal = C35/45
Locatie: In knooppunten gem. bij macro. Systeem: LCS net element



2.1.1.6. Rekenmodel - vEd

Waardes: v_{Ed}
Lineaire berekening
Klasse: Alle UGT
Extreem: Globaal
Selectie: Alle
Filter: Materiaal = C35/45
Locatie: In knooppunten gem. bij macro. Systeem: LCS net element



Internal forces from structural analysis

Ultimate limit state

Involving the shifting of moment curve : YES
a₁ = h · Coeff₁₀ = 1.5 · 0.9 = 1350 mm

(§9.2.1.3(2))
(§6.2.2(5))

Case	m _x [kNm/m]	m _y [kNm/m]	m _{xy} [kNm/m]	n _x [kN/m]	n _y [kN/m]	n _{xy} [kN/m]	v _x [kN/m]	v _y [kN/m]
UGT-Set B/1	8.16	8.50	8.26	-465.26	-671.08	-429.40	-12.06	-7.37
UGT-Set B/2	-9.29	5.41	-15.85	-3816.66	-6359.41	-3551.64	2.94	-1.78
UGT-Set B/3	7.19	20.31	1.98	-3826.76	-6377.82	-3561.89	19.78	-15.08
UGT-Set B/4	-8.32	-6.40	-9.58	-455.16	-652.67	-419.16	10.66	5.93
UGT-Set B/5	8.15	8.60	8.30	-466.14	-676.54	-432.19	-12.12	-7.40
UGT-Set B/6	-9.27	5.31	-15.90	-3815.78	-6353.94	-3548.86	3.00	-1.75
UGT-Set B/7	-8.32	-6.37	-9.57	-455.16	-652.67	-419.16	10.64	5.94
UGT-Set B/8	7.20	20.28	1.97	-3826.76	-6377.81	-3561.89	-19.76	-15.08
UGT-Set B/9	0.11	1.28	0.56	13655.10	2688.76	5687.72	0.87	0.79
UGT-Set B/10	-1.00	12.58	-7.05	-21465.90	-3835.00	3022.53	-8.21	-8.34
UGT-Set B/11	-0.03	0.80	-0.77	-18104.40	1871.74	6155.01	-0.51	-0.62
UGT-Set B/12	-1.08	13.06	-6.85	10293.60	-8395.50	-8820.20	-8.58	-8.50
UGT-Set B/13	-0.13	1.38	-0.56	13653.60	-2696.03	-5691.65	-0.92	-0.86
UGT-Set B/14	-0.99	12.48	-7.06	-21464.40	-3827.73	3026.46	-8.16	-8.27
UGT-Set B/15	0.11	1.28	0.56	13655.10	2688.81	5687.75	0.87	0.79
UGT-Set B/16	-1.00	12.58	-7.05	-21465.90	-3834.95	3022.56	-8.21	-8.34
UGT-Set B/17	0.44	-0.38	0.13	-262.24	-432.06	-291.18	0.16	0.23
UGT-Set B/18	-1.08	13.02	-6.87	10293.70	-8395.30	-8820.09	-8.54	-8.51
UGT-Set B/19	-0.04	0.82	-0.76	-18104.40	1871.73	6155.01	-0.53	-0.61
UGT-Set B/20	-1.22	12.88	-7.86	-4014.63	-6598.52	-3693.77	-9.53	-9.08
UGT-Set B/21	0.45	-0.43	0.11	262.18	-431.86	-291.07	0.19	0.23
UGT-Set B/22	-1.22	12.90	-7.85	-4014.63	-6598.52	-3693.77	-9.55	-9.07
UGT-Set B/23	-1.08	13.04	-6.86	10293.60	-8395.49	-8820.20	-8.56	-8.51

Case	Combination key
UGT-Set B/1	0.90*BG101+0.90*BG102+1.50*BG121+1.50*BG142+1.50*BG147+1.50*BG149
UGT-Set B/2	1.20*BG101+1.20*BG102+1.50*BG123+1.50*BG141+1.50*BG150+1.50*BG151
UGT-Set B/3	1.20*BG101+1.20*BG102+1.50*BG121+1.50*BG141+1.50*BG150+1.50*BG151
UGT-Set B/4	0.90*BG101+0.90*BG102+1.50*BG123+1.50*BG142+1.50*BG147+1.50*BG149
UGT-Set B/5	0.90*BG101+0.90*BG102+1.50*BG121+1.50*BG147+1.50*BG151
UGT-Set B/6	1.20*BG101+1.20*BG102+1.50*BG123+1.50*BG141+1.50*BG142+1.50*BG149+1.50*BG150
UGT-Set B/7	0.90*BG101+0.90*BG102+1.50*BG123+1.50*BG142+1.50*BG147+1.50*BG149+1.50*BG151
UGT-Set B/8	1.20*BG101+1.20*BG102+1.50*BG121+1.50*BG141+1.50*BG150
UGT-Set B/9	0.90*BG101+0.90*BG102+1.50*BG111+1.50*BG142+1.50*BG147+1.50*BG149+1.50*BG151
UGT-Set B/10	1.20*BG101+1.20*BG102+1.50*BG112+1.50*BG141+1.50*BG150
UGT-Set B/11	0.90*BG101+0.90*BG102+1.50*BG112+1.50*BG142+1.50*BG147+1.50*BG149
UGT-Set B/12	1.20*BG101+1.20*BG102+1.50*BG111+1.50*BG141+1.50*BG150+1.50*BG151
UGT-Set B/13	0.90*BG101+0.90*BG102+1.50*BG111
UGT-Set B/14	1.20*BG101+1.20*BG102+1.50*BG112+1.50*BG141+1.50*BG142+1.50*BG147+1.50*BG149+1.50*BG150+1.50*BG151
UGT-Set B/15	0.90*BG101+0.90*BG102+1.50*BG111+1.50*BG142+1.50*BG147+1.50*BG149+1.50*BG150+1.50*BG151
UGT-Set B/16	1.20*BG101+1.20*BG102+1.50*BG112+1.50*BG141
UGT-Set B/17	0.90*BG101+0.90*BG102+1.50*BG122+1.50*BG147+1.50*BG149+1.50*BG151
UGT-Set B/18	1.20*BG101+1.20*BG102+1.50*BG111+1.50*BG141+1.50*BG142+1.50*BG150
UGT-Set B/19	0.90*BG101+0.90*BG102+1.50*BG112+1.50*BG142+1.50*BG147+1.50*BG149+1.50*BG151
UGT-Set B/20	1.20*BG101+1.20*BG102+1.50*BG124+1.50*BG141+1.50*BG150
UGT-Set B/21	0.90*BG101+0.90*BG102+1.50*BG122+1.50*BG142+1.50*BG147+1.50*BG149
UGT-Set B/22	1.20*BG101+1.20*BG102+1.50*BG124+1.50*BG141+1.50*BG150+1.50*BG151
UGT-Set B/23	1.20*BG101+1.20*BG102+1.50*BG111+1.50*BG141+1.50*BG150

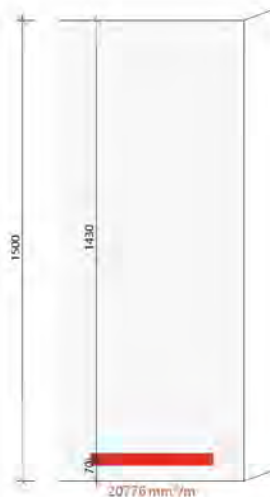
Longitudinal reinforcement

Ultimate limit state design

Direction of reinforcement layer [α=0°]

[1-]: lower surface

m_{Ed} = 870 kNm/m | n_{Ed} = 19345 kN/m [UGT-Set B/13]
 f_{td} = 23.3 MPa (γ_c = 1.5, α_{cr} = 1)
 f_{sd} = 435 MPa (γ_s = 1.15)
 Ø40 mm : d₁ = 70 mm → d = 1430 mm
 x = 439 mm → z = 1287 mm
A_{s,ult} = 20776 mm²/m (tensile)
 ρ = 1.453%



Direction of reinforcement layer [$\alpha=90^\circ$]

[2-]: lower surface

$m_{Ed} = -361 \text{ kNm/m}$ | $n_{Ed} = 8027 \text{ kN/m}$ [UGT-Set B/19]

$f_{cd} = 23.3 \text{ MPa}$ ($\gamma_C = 1.5, \alpha_{cc} = 1$)

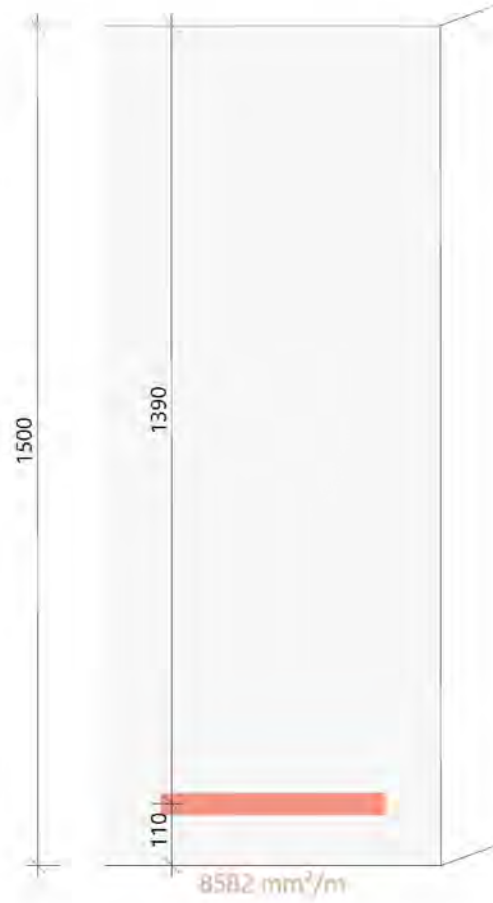
$f_{yd} = 435 \text{ MPa}$ ($\gamma_S = 1.15$)

$\varnothing 40 \text{ mm}$: $d_1 = 110 \text{ mm}$ -> $d = 1390 \text{ mm}$

$x = -187 \text{ mm}$ -> $z = 1251 \text{ mm}$

$A_{s,ult} = 8582 \text{ mm}^2/\text{m}$ (tensile)

$\rho_1 = 0.617\%$



Direction of reinforcement layer [$\alpha=0^\circ$]

[1+]: upper surface

$m_{Ed} = -870 \text{ kNm/m}$ | $n_{Ed} = 19345 \text{ kN/m}$ [UGT-Set B/13]

$f_{cd} = 23.3 \text{ MPa}$ ($\gamma_C = 1.5$, $\alpha_{cc} = 1$)

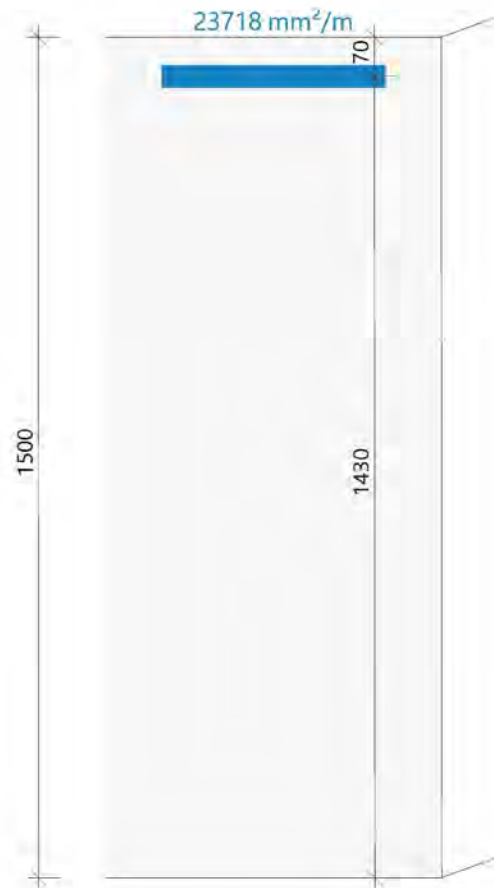
$f_{yd} = 435 \text{ MPa}$ ($\gamma_S = 1.15$)

$\varnothing 40 \text{ mm}$: $d_1=70 \text{ mm}$ -> $d=1430 \text{ mm}$

$x=-439 \text{ mm}$ -> $z=1287 \text{ mm}$

$A_{s,ult}=23718 \text{ mm}^2/\text{m}$ (tensile)

$\rho_1=1.659\%$



Direction of reinforcement layer [$\alpha=90^\circ$]

[2+]: upper surface

$m_{Ed} = -361 \text{ kNm/m} \mid n_{Ed} = 8027 \text{ kN/m}$ [UGT-Set B/11]

$f_{cd} = 23.3 \text{ MPa}$ ($\gamma_c = 1.5, \alpha_{cc} = 1$)

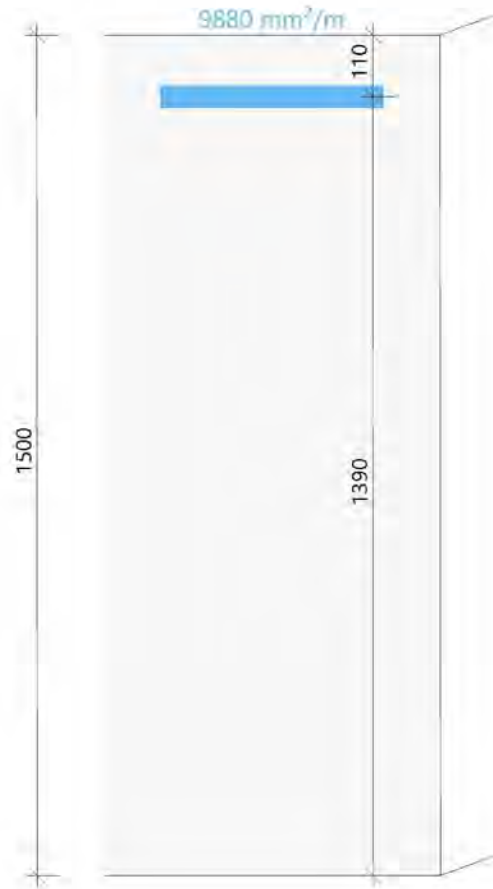
$f_{yd} = 435 \text{ MPa}$ ($\gamma_s = 1.15$)

$\varnothing 40 \text{ mm} : d_1 = 110 \text{ mm} \rightarrow d = 1390 \text{ mm}$

$x = -187 \text{ mm} \rightarrow z = 1251 \text{ mm}$

$A_{s,ult} = 9880 \text{ mm}^2/\text{m}$ (tensile)

$\rho_l = 0.711\%$



Design summary

Case	α_c [°]	$d_{s,ref}$ [mm]	m_{Ed} [kNm]	n_{Ed} [kN]	d [mm]	x [mm]	z [mm]	F_{cd} [kN]	F_{sd} [kN]	$A_{s,ult}$ [mm ²]
[1+] UGT-Set B/13	0.0	φ40	-870.05	19345.22	1430.0	0.0	1287.0	-35000.0	-5543.1	23718
[2+] UGT-Set B/11	90.0	φ40	-361.15	8026.76	1390.0	0.0	1251.0	-35000.0	-2347.9	9880
[1-] UGT-Set B/13	0.0	φ40	-870.05	19345.22	1430.0	0.0	1287.0	-35000.0	-9032.9	20776
[2-] UGT-Set B/19	90.0	φ40	-361.11	8026.75	1390.0	0.0	1251.0	-35000.0	-3731.3	8582

α_c - direction of the reinforcement layer; m_{Ed} , n_{Ed} - recalculated design load, F_{cd} - resisting force in the concrete; F_{sd} - resisting force in the reinforcement; $A_{s,ult}$ - required reinforcement area from ULS design

UGT-Set B/13	0.90*BG101+0.90*BG102+1.50*BG111
UGT-Set B/19	0.90*BG101+0.90*BG102+1.50*BG112+1.50*BG142+1.50*BG147+1.50*BG149+1.50*BG151
UGT-Set B/11	0.90*BG101+0.90*BG102+1.50*BG112+1.50*BG142+1.50*BG147+1.50*BG149

Check of concrete diagonal strut

Check direction (extreme) [$\alpha=45^\circ$]

Design normal force in direction of concrete strut

$$n_{Ed,sc} = -8830 \text{ kN [UGT-Set B/23]}$$

with full cross-section height:

$$h = 1500 \text{ mm} \rightarrow A_{cc} = h \cdot b = 1.5 \cdot 1000 = 1.5 \cdot 10^6 \text{ mm}^2$$

$$f_{cd} = \frac{\alpha_{cc} \cdot f_{ck}}{\gamma_c} = \frac{1 \cdot 35}{1.5} = 23 \text{ MPa}$$

Design resistance of concrete strut (in compression)

$$n_{Rd,sc} = A_{cc} \cdot \text{Red}_{f_{cd}} \cdot f_{cd} = 1.5 \cdot 10^6 \cdot 0.85 \cdot 23 = 29750 \text{ kN}$$

Unity check

$$UC_{sc} = \frac{\text{abs}(n_{Ed,sc})}{n_{Rd,sc}} = \frac{\text{abs}(-8830)}{29750} = 0.3$$

Minimum and maximum reinforcement areas

Minimum area of vertical reinforcement

(§9.6.2(1))

[2-][2+] Reinforcement layer

$$A_{s,vmin} = \text{Coeff}_{Asvmin} \cdot A_c = 3 \cdot 10^{-3} \cdot 1.5 \cdot 10^6 = 4500 \text{ mm}^2/\text{m}$$

where half of the area should be located at each surface

(§9.6.2(2))

$$A_{s,vmin,i} = 0.5 \cdot A_{s,vmin} = 0.5 \cdot 4500 = 2250 \text{ mm}^2/\text{m}$$

Minimum area of horizontal reinforcement (each face)

(§9.6.3(1))

[1-][1+] Reinforcement layer

$$A_{s,hmin} = \max(\text{Coeff}_{AshminA} \cdot A_{s,v}; \text{Coeff}_{AshminB} \cdot A_c) = \max(0 \cdot 9880; 0 \cdot 1.5 \cdot 10^6) = 0 \text{ mm}^2/\text{m}$$

Maximum area of vertical reinforcement

(§9.6.2(1))

[2-][2+] Reinforcement layer

$$A_{s,vmax} = \text{Coeff}_{Asvmax} \cdot A_c = 0.04 \cdot 1.5 = 60000 \text{ mm}^2/\text{m}$$

$$A_{s,vmax,i} = \frac{A_{s,vmax}}{2} = \frac{60000}{2} = 30000 \text{ mm}^2/\text{m}$$

Minimum and maximum spacing of reinforcement bars

Maximum spacing of vertical reinforcement bars

(§9.6.2(3))

[2-][2+] Reinforcement layer

$$s_{max} = \min(\text{coef}_{s_{max,v}} \cdot h; s_{max,v}) = \min(3 \cdot 1500; 400) = 400 \text{ mm}$$

Maximum spacing of horizontal reinforcement bars

(§9.6.3(2))

[1-][1+] Reinforcement layer

$$s_{max} = s_{max,h} = 400 \text{ mm}$$

Minimum clear distance between reinforcement bars

(§8.2(2))

[1-][2-][1+][2+] Reinforcement layer

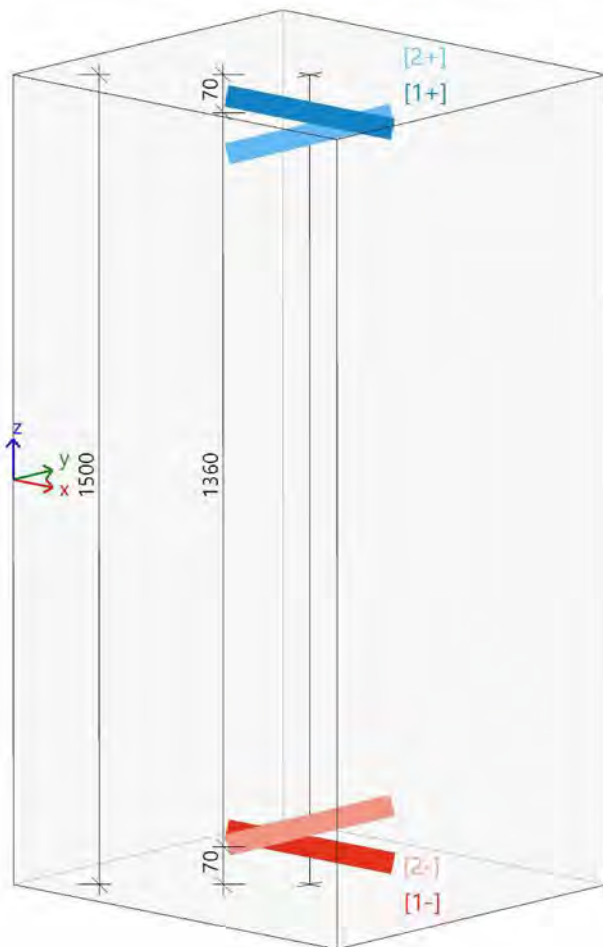
$$s_{min} = \max(k_1 \cdot \phi; d_g + k_2; s_{l,min}) = \max(1 \cdot 40; 32 + 5; 20) = 40 \text{ mm}$$

Longitudinal reinforcement - Summary

Designed reinforcement layers (in direction from the member local x axis):

	Basic	Additional		α [°]	$A_{s,min}$ [mm ²]	$A_{s,ult}$ [mm ²]	$\Delta A_{s, serv}$ [mm ²]	$A_{s, req}$ [mm ²]	$A_{s, prov}$ [mm ²]	$A_{s, max}$ [mm ²]	$s_{min(c)}$ [mm]	s_{max} [mm]	Status
		User	Auto										
[1+]	φ40/150	---	φ40/100	0.0	---	23718	---	23718	20945	---	39	60	Not OK
								1.58%	1.40%		<40!	≤400	
[2+]	φ40/150	---	φ40/200	90.0	2250	9880	---	9880	14661	30000	65	86	OK
								0.66%	0.98%		≥40	≤400	
[1-]	φ40/150	---	φ40/100	0.0	---	20776	---	20776	20944	---	39	60	Not OK
								1.39%	1.40%		<40!	≤400	
[2-]	φ40/150	---	φ40/200	90.0	2250	8582	---	8582	14661	30000	65	86	OK
								0.57%	0.98%		≥40	≤400	

$A_{s, req}$ - required reinforcement area as $\max(A_{s, ult}; A_{s, min}) + \Delta A_{s, serv}$; $A_{s, prov}$ - provided reinforcement area; $A_{s, min/max}$ - min/max reinforcement area; $s_{max(min)}$ - maximum spacing of bars (minimum clear distance between bars)



- [1+] φ40/150 + φ40/100 (insufficient)
- [2+] φ40/150 + φ40/200
- [1-] φ40/150 + φ40/100
- [2-] φ40/150 + φ40/200

Design of shear reinforcement

Design shear force

$$V_{Ed} = \sqrt{v_x^2 + v_y^2} = \sqrt{-8.6^2 + -8.5^2} = 12.1 \text{ kN/m [UGT-Set B/12]}$$

Principal forces and plane of deformation

$$m_z = 5.6 \text{ kNm} \quad | \quad n_z = 13799 \text{ kN}$$

$$d = 1410 \text{ mm} \quad | \quad z = 1410 \text{ mm}$$

Longitudinal reinforcement ratio (considering lower surface is in tension)

(§6.4.4(1))

$$\rho_{lx} = \frac{A_{sl,x}}{b \cdot d} = \frac{41889}{1000 \cdot 1410} = 2.97 \% \quad \rho_{ly} = \frac{A_{sl,y}}{b \cdot d} = \frac{29322}{1000 \cdot 1410} = 2.08 \%$$

$$\rho_l = \min\left(\sqrt{\rho_{lx} \cdot \rho_{ly}}; 0.02\right) = \min\left(\sqrt{0.0297 \cdot 0.0208}; 0.02\right) = 2 \%$$

Shear resistance without shear reinforcement

Normal concrete stresses (positive if compression)

Normal forces (from FEM): $n_x = 10293.6 \text{ kN/m}$ $n_y = -8395.5 \text{ kN/m}$ [UGT-Set B/12]

$$\sigma_{cp,1} = \min\left(\frac{-n_x}{A_c}; 0.2 \cdot f_{cd}\right) = \min\left(\frac{-10293.6}{1.5}; 0.2 \cdot 23.3 \cdot 10^6\right) = -6.86 \text{ MPa} \quad (6.2.2(1))$$

$$\sigma_{cp,2} = \min\left(\frac{-n_y}{A_c}; 0.2 \cdot f_{cd}\right) = \min\left(\frac{-8395.5}{1.5}; 0.2 \cdot 23.3 \cdot 10^6\right) = 4.67 \text{ MPa} \quad (6.2.2(1))$$

$$\sigma_{cp} = \frac{\sigma_{cp,1} + \sigma_{cp,2}}{2} = \frac{-6.86 + 4.67}{2} = -1.10 \text{ MPa}$$

Design shear resistance without shear reinforcement

(§6.4.4(1))

$$k = \min\left(1 + \left(\frac{200}{d}\right)^2; 2\right) = \min\left(1 + \left(\frac{200}{1410}\right)^2; 2\right) = 1.38$$

$$C_{Rdc} = 0.12 \quad v_{min} = 0.334 \text{ MPa} \quad k_1 = 0.15$$

$$V_{Rdc} = \max\left(10^6 \cdot \left(C_{Rdc} \cdot k \cdot (100 \cdot \rho_l \cdot f_{ck})^{\frac{1}{3}} + k_1 \cdot \sigma_{cp}\right) \cdot d; 0\right) \quad (6.47)$$

$$= \max\left(10^6 \cdot \left(0.12 \cdot 1.38 \cdot (100 \cdot 0.02 \cdot 35)^{\frac{1}{3}} + 0.15 \cdot -1.1\right) \cdot 1.41; 0\right) = 728 \text{ kN/m}$$

$$V_{Rdcmin} = \max\left(10^6 \cdot (v_{min} + k_1 \cdot \sigma_{cp}) \cdot d; 0\right) = \max\left(10^6 \cdot (0.334 + 0.15 \cdot -1.1) \cdot 1.41; 0\right) = 239 \text{ kN/m}$$

$$V_{Rdc} = \max(V_{Rdc}; V_{Rdcmin}) = \max(728 \text{ kN/m}; 239 \text{ kN/m}) = 728 \text{ kN/m}$$

Maximal concrete shear resistance

Strength reduction factor for concrete cracked in shear

$$v = 0.6 \cdot \left(1 - \frac{f_{ck}}{250}\right) = 0.6 \cdot \left(1 - \frac{35}{250}\right) = 0.516 \quad (6.6N)$$

Angle of compression concrete strut

$$\theta = \theta_{inp} = 40^\circ, \cot(\theta) = 1.192$$

Design value of the max shear force which can be sustained by the member

$$V_{Rd,max} = \frac{\alpha_{cw} \cdot b_w \cdot z \cdot v_1 \cdot f_{cd}}{(\cot(\theta) + \text{tg}(\theta))} = \frac{1 \cdot 1 \cdot 1.41 \cdot 0.516 \cdot 23.3}{(\cot(40) + \text{tg}(40))} = 8359 \text{ kN/m} \quad (6.9)$$

Check shear capacity (without shear reinforcement)

Check $v_{Rd,max}$

$$v_{Ed} = 12.1 \text{ kN/m} \leq v_{Rd,max} = 8359 \text{ kN/m} \text{ (OK)}$$

Check v_{Rdc}

$$v_{Ed} = 12.1 \text{ kN/m} \leq v_{Rdc} = 728 \text{ kN/m} \text{ (OK, no shear reinforcement is required)}$$

Detailing of shear reinforcement

Minimal area of transverse reinforcement from maximum spacing of links 9.6.4(1)

Total area of vertical reinforcement in the two faces

$$A_{sl} = 18462 \text{ mm}^2$$

Area of concrete section

$$A_c = 2 \cdot 10^6 \text{ mm}^2$$

Condition for detailing

$$A_{sl} < 0.02 \cdot A_c$$

$$18462 \text{ mm}^2 < 30000 \text{ mm}^2$$

Minimal area of transverse reinforcement from minimum number of links 9.6.4(2)

Diameter of main reinforcement

$$\phi_l = 40 \text{ mm}$$

Concrete cover

$$c = 90 \text{ mm}$$

Detailing check is not necessary for next conditions:

$$\phi_l \leq 16 \text{ mm}, c \geq 2 \cdot \phi_l$$

$$40 \text{ mm} > 16 \text{ mm}, 90 \text{ mm} \geq 80 \text{ mm}$$

Number of links

$$n_{links,w} = 4$$

§9.6.4(2)

Minimal area of transverse reinforcement

$$A_{sw,links,min} = n_{links,w} \cdot \pi \cdot \frac{\phi^2}{4} = 4 \cdot 3.14 \cdot \frac{25^2}{4} = 1963 \text{ mm}^2/\text{m}$$

Shear reinforcement - Summary

Case	θ [°]	v_{Ed} [kN/m]	$A_{sl,x}$ [mm ²]	$A_{sl,y}$ [mm ²]	ρ_l [%]	$v_{Rd,c}$ [kN/m]	$v_{Rd,max}$ [kN/m]	$A_{sw,req}$ [mm ² /m ²]	Status
[-] UGT-Set B/12	40.0	12.1	41889	29322	2.000	727.7	8358.7	1963	OK

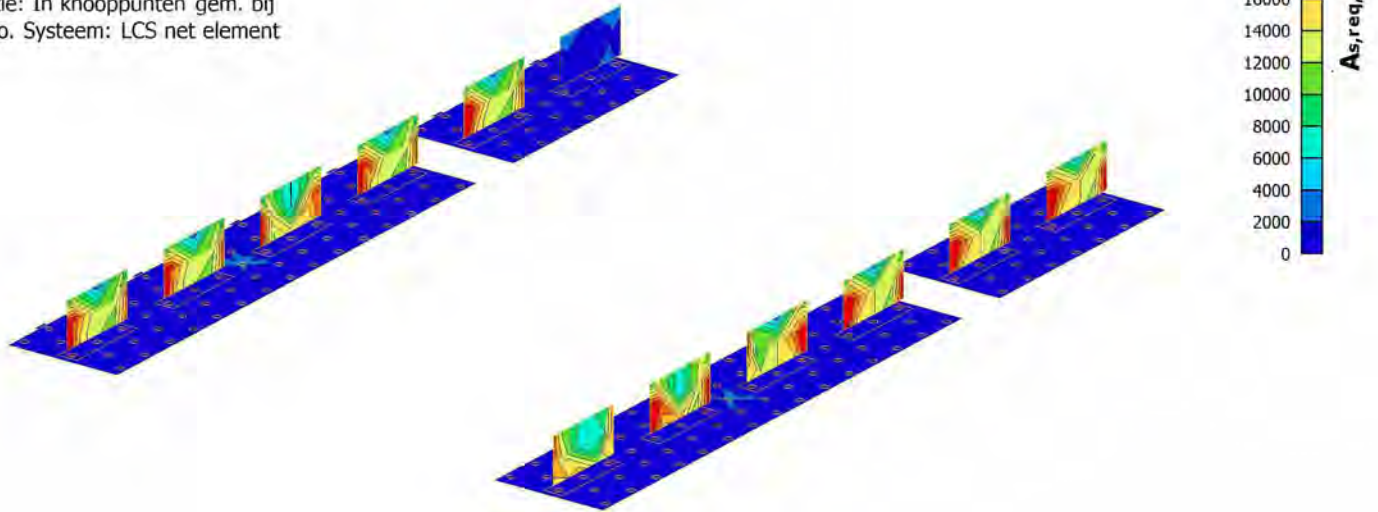
v_{Ed} - design shear force, $A_{sl,x/y}$ - tensile longitudinal reinforcement, ρ_l - corresponding reinforcement ratio, $v_{Rd,c}$ - shear resistance without shear reinforcement, $v_{Rd,max}$ - maximal concrete shear resistance, $A_{sw,req}$ - required shear reinforcement

Errors/Warnings/Notes

Code	Description	Solution
! W/14	Clear distance between bars of provided reinforcement is not sufficient ($s_{cl} < s_{min}$).	Increase the spacing of the bars of provided reinforcement.
! W/01	The applied provided reinforcement is not sufficient ($A_{s,prov} < A_{s,req}$).	Increase the amount of the basic or additional reinforcement.

2.1.2.2. Rekenmodel - $A_{s,req,1+}$

Waardes: $A_{s,req,1+}$
Lineaire berekening
Klasse: Alle UGT
Extreem: Globaal
Selectie: Alle
Filter: Materiaal = C35/45
Locatie: In knooppunten gem. bij
macro. Systeem: LCS net element



2.2. Beams

2.2.1. Forces

2.2.1.1. Internal forces (Design)

Linear calculation
Class: Alle UGT
Coordinate system: Member
Extreme 1D: Global
Selection: S25, S26

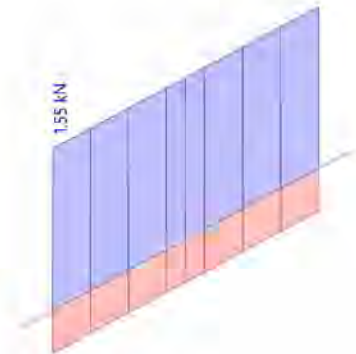
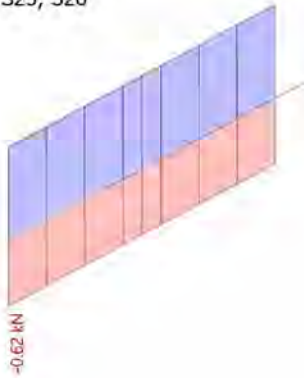
Name	dx [m]	Case	N	V _y	V _z	M _x	M _y	M _z
			[kN] N _{Ed} [kN]	[kN] V _{Edy} [kN]	[kN] V _{Edz} [kN]	[kNm] M _{Edx} [kNm]	[kNm] M _{Edy} [kNm]	[kNm] M _{Edz} [kNm]
S25	0.300+	UGT-Set B/1	-0.62	0.00	7.02	-0.33	0.09	0.00
			-0.62	0.00	7.02	-0.33	1.83	0.00
S26	0.300+	UGT-Set B/2	1.55	0.00	9.37	-1.08	-1.08	0.00
			1.55	0.00	9.37	-1.08	-1.08	0.00
S26	2.900-	UGT-Set B/3	0.76	0.00	-13.27	-0.43	-5.75	0.00
			0.76	0.00	-13.27	-0.43	-5.75	0.00
S26	0.300+	UGT-Set B/4	0.77	0.00	9.37	-2.96	-0.69	0.01
			0.77	0.00	9.37	-2.96	-0.69	0.00
S25	0.300+	UGT-Set B/5	0.03	0.00	9.37	3.16	-0.31	-0.01
			0.03	0.00	9.37	3.16	-0.32	0.00
S26	0.300+	UGT-Set B/6	0.77	0.00	13.27	-0.26	-5.76	0.00
			0.77	0.00	13.27	-0.26	-5.76	0.00
S25	1.043	UGT-Set B/3	0.03	0.00	0.12	0.43	6.83	0.00
			0.03	0.00	0.12	0.43	6.83	0.00
S26	2.900-	UGT-Set B/5	0.76	0.00	-9.37	2.28	-0.68	-0.01
			0.76	0.00	-9.37	2.28	-0.68	0.00
S26	2.900-	UGT-Set B/7	0.22	0.00	-7.02	-2.87	-0.34	0.01
			0.22	0.00	-7.02	-2.87	-0.34	0.00
S26	1.600-	UGT-Set B/5	0.76	0.00	0.00	2.28	5.41	-0.01
			0.76	0.00	0.00	2.28	5.41	-0.01

Name	dx [m]	Case	N	V _y	V _z	M _x	M _y	M _z
			[kN]	[kN]	[kN]	[kNm]	[kNm]	[kNm]
			N _{Ed}	V _{Edy}	V _{Edz}	M _{Edx}	M _{Edy}	M _{Edz}
			[kN]	[kN]	[kN]	[kNm]	[kNm]	[kNm]
S26	1.600-	UGT-Set B/7	0.22	0.00	0.00	-2.87	4.23	0.01
			0.22	0.00	0.00	-2.87	4.23	0.01

Name	Combination key
UGT-Set B/1	0.90*BG101 + 0.90*BG102 + 1.50*BG111 + 1.50*BG148
UGT-Set B/2	1.20*BG101 + 1.20*BG102 + 1.50*BG112 + 1.50*BG148
UGT-Set B/3	1.20*BG101 + 1.20*BG102 + 1.50*BG122 + 1.50*BG148
UGT-Set B/4	1.20*BG101 + 1.20*BG102 + 1.50*BG121 + 1.50*BG148
UGT-Set B/5	1.20*BG101 + 1.20*BG102 + 1.50*BG123 + 1.50*BG148
UGT-Set B/6	1.20*BG101 + 1.20*BG102 + 1.50*BG124 + 1.50*BG148
UGT-Set B/7	0.90*BG101 + 0.90*BG102 + 1.50*BG121

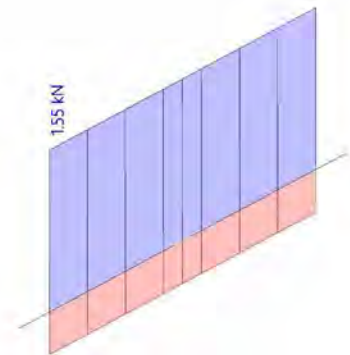
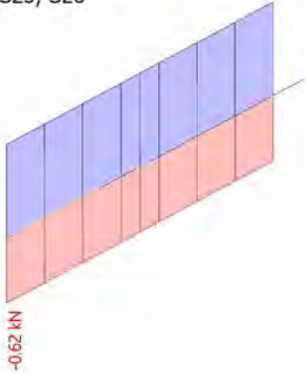
2.2.1.2. Rekenmodel - N

Waardes: **N**
 Lineaire berekening
 Klasse: Alle UGT
 Assenstelsel: Staaf
 Extreme 1D: Globaal
 Selectie: S25, S26



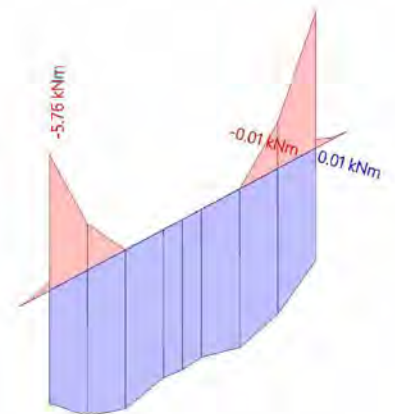
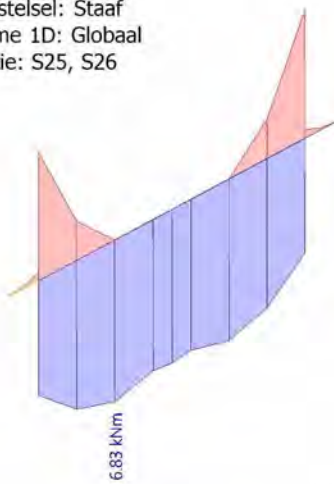
2.2.1.3. Rekenmodel - NEd

Waardes: **N_{Ed}**
Lineaire berekening
Klasse: Alle UGT
Assenstelsel: Staaf
Extreme 1D: Globaal
Selectie: S25, S26



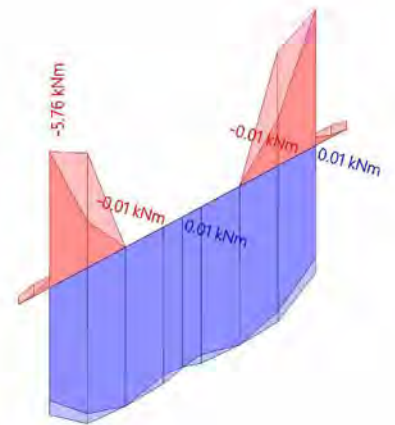
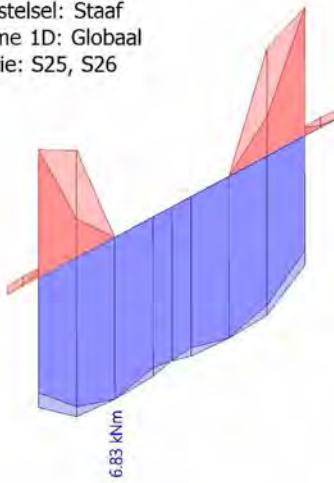
2.2.1.4. Rekenmodel - M

Waardes: **M**
Lineaire berekening
Klasse: Alle UGT
Assenstelsel: Staaf
Extreme 1D: Globaal
Selectie: S25, S26



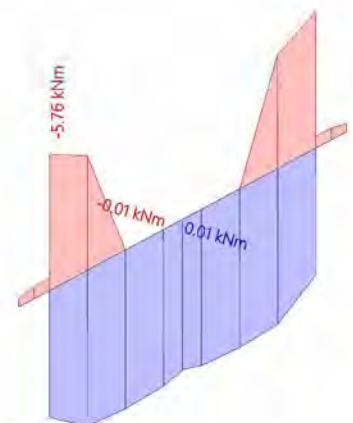
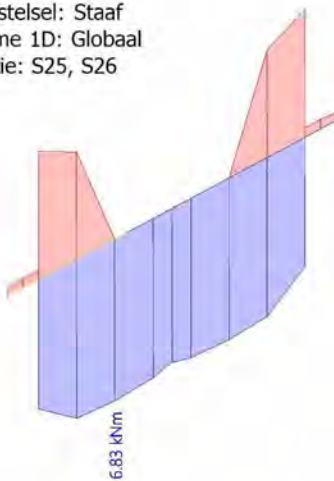
2.2.1.5. Rekenmodel - M-MEd

Waardes: **M-MEd**
Lineaire berekening
Klasse: Alle UGT
Assenstelsel: Staaf
Extreme 1D: Globaal
Selectie: S25, S26



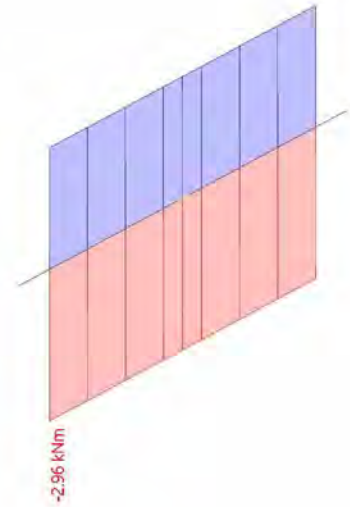
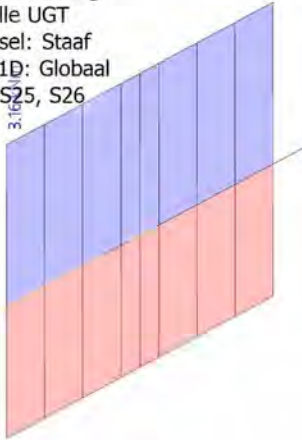
2.2.1.6. Rekenmodel - MEd

Waardes: **MEd**
Lineaire berekening
Klasse: Alle UGT
Assenstelsel: Staaf
Extreme 1D: Globaal
Selectie: S25, S26



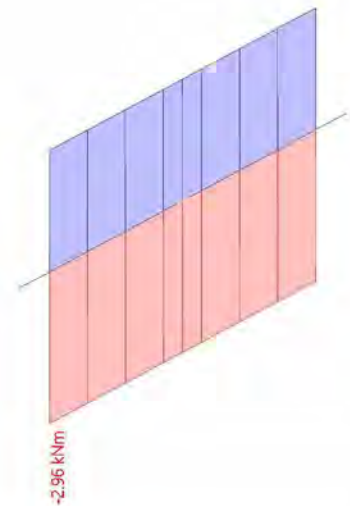
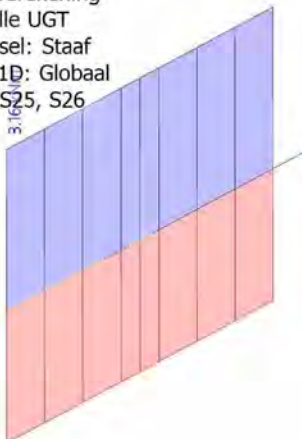
2.2.1.7. Rekenmodel - M_x

Waardes: M_x
Lineaire berekening
Klasse: Alle UGT
Assenstelsel: Staaf
Extreme 1D: Globaal
Selectie: S25, S26



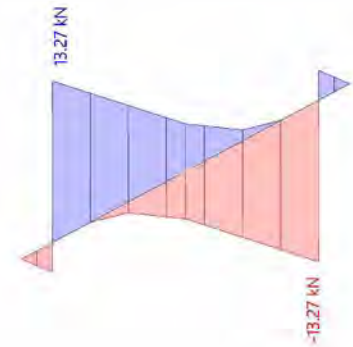
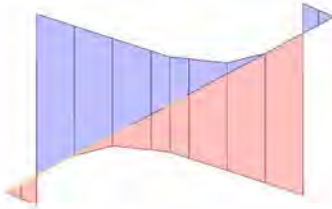
2.2.1.8. Rekenmodel - M_{Edx}

Waardes: M_{Edx}
Lineaire berekening
Klasse: Alle UGT
Assenstelsel: Staaf
Extreme 1D: Globaal
Selectie: S25, S26



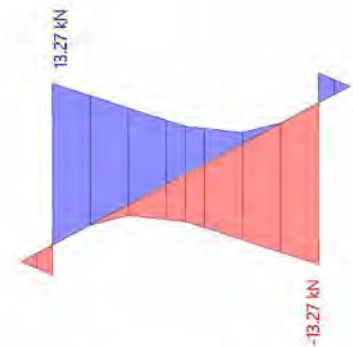
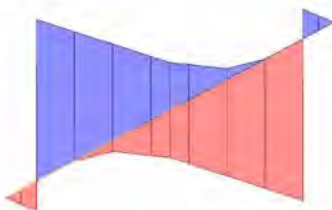
2.2.1.9. Rekenmodel - V

Waardes: **V**
Lineaire berekening
Klasse: Alle UGT
Assenstelsel: Staaf
Extreme 1D: Globaal
Selectie: S25, S26



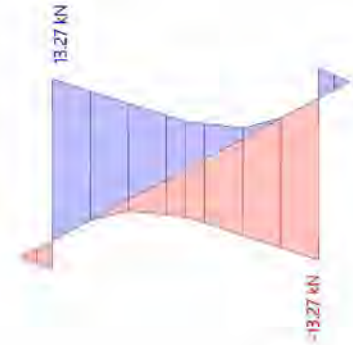
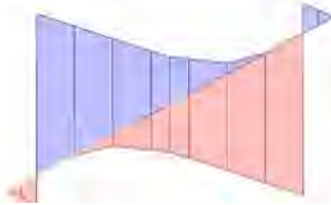
2.2.1.10. Rekenmodel - V-VEd

Waardes: **V-VEd**
Lineaire berekening
Klasse: Alle UGT
Assenstelsel: Staaf
Extreme 1D: Globaal
Selectie: S25, S26



2.2.1.11. Rekenmodel - VEd

Waardes: **VEd**
Lineaire berekening
Klasse: Alle UGT
Assenstelsel: Staaf
Extreme 1D: Globaal
Selectie: S25, S26



2.2.2. Slenderness(Check)

Linear calculation
Class: Alle UGT
Coordinate system: Member
Extreme 1D: Global
Selection: S25, S26

Name	dx [m]	Case	L_y	β_{zz}	l_{oy}	l_{cy}	λ_y	λ_{limy}
			L_z	β_{yy}	l_{oz}	l_{cz}	λ_z	λ_{limz}
			[m]	[-]	[m]	[m]	[-]	[-]
S25	0.300+	UGT-Set B/1	2.600	10.00	19.112	1.7321e-01	110.34	0.00
			2.600	7.35	26.000	1.1547e-01	225.17	0.00
S26	0.300+	UGT-Set B/2	2.600	10.00	19.108	1.7321e-01	110.32	1339.77
			2.600	7.35	26.000	1.1547e-01	225.17	1339.77

Name	Combination key
UGT-Set B/1	1.20*BG101 + 1.20*BG102 + 1.50*BG112
UGT-Set B/2	0.90*BG101 + 0.90*BG102 + 1.50*BG111

2.2.3. Stiffness presentation

Linear calculation
Class: Alle BGT
Coordinate system: Member
Extreme 1D: Global
Selection: S25, S26

Name	dx [m]	Case	N_{cr}	$M_{y,cr}$	State	$f_{ct,eff}$	σ_s	$x_{i,cr}$	EA [MN]	EI_y
			[kN]	[kNm]		[MPa]	[MPa]	[mm]		[MNm ²]
			N_{char}	$M_{y,char}$		σ_{ct}	σ_{cr}	ζ		EI_z
			[kN]	[kNm]		[MPa]	[MPa]	[-]		[MNm ²]
S25	0.000	BGT-kar/1	0.00	0.00	Short-term	3.20	0.0	0	8.5861e+03	2.6284e+02
			0.00	0.00		0.00	0.0	0.00		1.1343e+02

Name	Combination key
BGT-kar/1	BG101 + BG102

2.2.4. Overall Design (ULS)

Linear calculation

Class: Alle UGT

Coordinate system: Member

Extreme 1D: Global

Selection: S25, S26

Longitudinal required reinforcement

Name	dx [m]	Case	Member	A _{sz,req+} [mm ²]	A _{sz,req-} [mm ²]	A _{sy,req+} [mm ²]	A _{sy,req-} [mm ²]	A _{sz,req} [mm ²]	A _{sy,req} [mm ²]	A _{s,req} [mm ²]
S26	2.900-	Alle UGT	Beam	33	28	16	16	61	32	93
S26	0.671	Alle UGT	Beam	28	38	16	16	66	32	98

Shear required reinforcement

Name	dx [m]	Case	Member	A _{swm,req} [mm ² /m]	A _{swm,req(φ/s)}
S25	0.000	Alle UGT	Beam	524	φ10/300mm, (ns=2)
S25	0.300+	Alle UGT	Beam	628	φ10/250mm, (ns=2)

Annex D.5

Check of piles as pile group

Analysis of CPT pile

Input data

Project

Date : 3-10-2022

Settings

Netherland - EN 1997 RC2

Pile CPT

Verification methodology : NEN 6743

Tests

No.	Test name	Vertical offset of the origin d_h [m]	Overall depth d_{tot} [m]
1	1407	0.00	35.00
2	1408	0.00	35.00
3	1409	0.00	35.04
4	1410	0.00	35.06
5	1411	0.00	35.10
6	1412	0.00	35.10
7	1413	0.00	35.02
8	1414	0.00	35.10
9	1415	0.00	34.98
10	1416	0.00	35.10
11	1417	0.00	35.10
12	1418	0.00	35.08
13	1419A	0.00	35.10
14	1420	0.00	35.10
15	1421	0.00	35.10
16	1422	0.00	35.02
17	1423	0.00	35.00

Test : 1407

Linde Project No: 3710 A3T8	Linde Issue 2	Client Project No: 16471	Client Rev. 00
Linde Doc. No: 0542FA5490 2002 C-CS 1005 (EN)		Client Doc No: 16471-Y16-00008	

Annex E

Overview of codes and Literature

Content

Annex E.	Overview of codes and Literature
Annex E.1.	Used codes
Annex E.2.	Standards for execution
Annex E.3.	Material codes
Annex E.4.	Codes for connections / connectionmaterials
Annex E.5.	Other codes
Annex E.6.	Used Literature

Linde Project No: 3710 A3T8	Linde Issue 2	Client Project No: 16471	Client Rev. 00
Linde Doc. No: 0542FA5490 2002 C-CS 1005 (EN)		Client Doc No: 16471-Y16-00008	

E.1. Used codes

E.1.1. Basic codes for calculation

Eurocode 0: Basis of structural design

EN 1990+NA

Eurocode: Basis of structural design

Eurocode 1: Actions on structures

EN 1991-1-1+NA

Eurocode 1: Actions on structures - Part 1-1: General actions -Densities, self-weight, imposed loads for buildings

EN 1991-1-3+NA

Eurocode 1: Actions on structures - Part 1-3: General actions - Snow loads

EN 1991-1-4+NA

Eurocode 1: Actions on structures - Part 1-4: General actions - Wind actions

EN 1991-1-5+NA

Eurocode 1: Actions on structures - Part 1-5: General actions - Thermal actions

EN 1991-1-6+NA

Eurocode 1: Actions on structures - Part 1-6: General actions - Actions during execution

EN 1991-1-7+NA

Eurocode 1: Actions on structures - Part 1-7: General actions - Accidental Actions

EN 1991-4+NA

Eurocode 1: Actions on structures - Part 4: Silos and tanks

Eurocode 2: Design of concrete structures

EN 1992-1-1+NA

Eurocode 2: Design of concrete structures - Part 1-1: General rules, and rules for buildings

Eurocode 3: Design of steel structures

EN 1993-1-1+NA

Eurocode 3: Design of steel structures - Part 1-1: General rules, and rules for buildings

EN 1993-1-5+NA

Eurocode 3: Design of steel structures - Part 1-5: General rules - Plated structural elements

EN 1993-1-8+NA

Eurocode 3: Design of steel structures - Part 1-8: Design of joints

EN 1993-1-10+NA

Eurocode 3: Design of steel structures - Part 1-10: Material toughness and through-thickness properties

EN 1993-1-11+NA

Eurocode 3: Design of steel structures - Part 1-11: Design of structures with tension components

Eurocode 7: Geotechnisch ontwerp

EN 1997-1+NA

EN 1997 - Eurocode 7: Geotechnical design - Part 1: General rules

EN 1997-2+NA

EN 1997 - Eurocode 7: Geotechnical design - Part 2: Ground investigation and testing

NEN 9997-1

Geotechnical design of structures - Part 1: General rules

E.2. Standards for execution

EN 1090-1+NA

Execution of steel structures and aluminium structures - Part 1: Requirements for conformity assessment for structural components

EN 1090-2+NA

Execution of steel structures and aluminium structures - Part 2: Technical requirements for the execution of steel structures

EN 13670+NA

Execution of concrete structures

E.3. Material codes

E.3.1. Codes for Steel

EN 10025

Hot rolled products of structural steels

EN 10029

Hot rolled steel plates 3 mm thick or above - Tolerances on dimension, shape and mass

EN 10034

Structural steel I and H sections. Tolerances on shape and dimensions

EN 10051

Hot-rolled strip and plate/sheet cut from wide strip of non-alloy and alloy steels - Tolerances on dimensions and shape

EN 10055

Hot rolled steel equal flange tees with radiused root and toes - Dimensions and tolerances on shape and dimensions

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EN 10056

Structural steel equal and unequal leg angles

En 10164

Steel products with improved deformation properties perpendicular to the surface of the product - Technical delivery conditions

En 10210

Hot finished structural hollow sections of non-alloy and fine grain steels - Part 2: Tolerances, dimensions and sectional properties

EN 10219

Cold formed welded structural hollow sections of non-alloy and fine grain steels - Part 2: Tolerances, dimensions and sectional properties

EN ISO 12944

Corrosion protection of steel structures by protective paint systems

EN 1461

Hot dip galvanized coatings on fabricated iron and steel articles - Specifications and test methods

E.3.2. Codes for concrete

EN 206-1+NA

Concrete - Part 1: Specification, performance, production and conformity

NEN 8005

Dutch supplement to EN 206-1: Concrete - Part 1: Specification, performance, production and conformity

EN 197-1+NA

Concrete - Part 1: Composition, specifications and conformity criteria for common cements

EN 14216 +NA

Cement - Composition, specifications and conformity criteria for very low heat special cements

NEN 3550

Cements conforming to EN 197-1, EN 197-4 or EN 14216, with additional special properties - Definitions and requirements

NEN 6008

Steel for the reinforcement of concrete

EN 10080 +NA

Steel for the reinforcement of concrete

EN 12390 +NA (all parts)

Testing hardened concrete

EN ISO 17660 +NA (all parts)

Welding - Welding of reinforcing steel

EN 10138 +NA

Prestressing steels - Part 1: General requirements

NEN 3868

Prestressing steel

EN ISO 15630 +NA

Steel for the reinforcement and prestressing of concrete - Test methods - Part 1: Reinforcing bars, wire rod and wire

E.3.3. Codes for Wood

N.A.

E.3.4. Normen voor Metselwerk

N.A.

E.4. Codes for connections / connection materials

E.4.1. Codes for Baseplatedesign

EN 1992-4 +NA

Eurocode 2 - Design of concrete structures - Part 4: Design of fastenings for use in concrete

CUR/BmS rapport 10 kolomvoetplaten

E.4.2. Bolts, nuts and washers

EN 14399

High-strength structural bolting assemblies for preloading

EN ISO 898

Mechanical properties of fasteners made of carbon steel and alloy steel

EN ISO 2320

Prevailing torque type steel hexagon nuts - Mechanical and performance requirements

EN ISO 4014

Hexagon head bolts - Product grades A and B

EN ISO 4017

Hexagon head screws - Product grades A and B

EN ISO 4032

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Hexagon nuts, style 1 - Product grades A and B
EN ISO 4033
Hexagon nuts, style 2 - Product grades A and B
EN ISO 7040
Prevailing torque hexagon nuts (with non-metallic insert), style 1 - Property classes 5, 8 and 10
EN ISO 7042
Prevailing torque type all-metal hexagon nuts, style 2 - Property classes 5, 8, 10 and 12
EN ISO 7719
Prevailing torque type all-metal hexagon nuts, style 1 - Property classes 5, 8 and 10
ISO 286-2
ISO system of limits and fits - Part 2: Tables of standard tolerance grades and limit deviations for hole and shafts
ISO 1891
Bolts, screws, nuts and accessories - Terminology and nomenclature - Trilingual edition
EN ISO 7089
Plain washers - Nominal series - Product grade A
EN ISO 7090
Plain washers, chamfered - Normal series - Product grade A
EN ISO 10511
Prevailing torque type hexagon thin nuts (with non-metallic insert)
EN ISO 10512
Prevailing torque type hexagon thin nuts, style 1, with metric fine pitch tread - Property classes 6, 8 and 10
EN ISO 10513
Prevailing torque type al-metal hexagon thin nuts, style 2, with metric fine pitch tread - Property classes 8, 10 and 12

E.4.3. Welds

EN 12345
Welding - Multilingual terms for welded joints with illustrations
EN ISO 14555
Welding - Arc stud welding of metallic materials
EN ISO 13918
Welding - Studs for arc stud welding
EN ISO 15614-1
Specifation and approval of welding procedures for metallic materials - Part 3 : Welding procedure tests for arc welding of steels
EN ISO 5817
Welding - Fusion welded joints in steel, nickel, titanium and their alloys (beam welding excluded) - Quality levels for imperfections (ISO 5817:2003, corrected version:2005, including Technical Corrigendum 1:2006,IDT)
EN 1011
Welding - Recommendations for welding of metallic materials

E.5. Other codes

No other standards applied, otherwise the standards stated

E.6. Used Literature

Documents	Discription
Publicaties SCI	Several publications of the "Steel Construction Institute " on calculating steel structures
Publicaties BmS	Several books and documents from "Bouwen met Staal"

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GTS 2013	Grafieken en Tabellen Staalbouw 2013 from "Bouwen met Staal"
Stahlbau-Praxis	Band 1 to 3 van BBB Beuth
Kranbahnen	Bemessung und konstruktive Gestaltung nach Eurocode, van BBB Beuth
Design of Steel Structures	ECCS publicatie, ECCS Eurocode Design Manuals For general design rules of steelstructures
Design of Joints in Steel and Composite Structures	ECCS publicatie, ECCS Eurocode Design Manuals For detailcalculations acc. to EN 1993-1-8
Design of Plated Structures	ECCS publicatie, ECCS Eurocode Design Manuals General design rules for steelstructures, steel plates acc. to EN 1993-1-5
GTB 2013	Grafieken en Tabellen Beton 2013 from "Betonvereniging"
Betonbauteile nach Eurocode	Hintergründe, Auslegungen, Praxisbeispiele Beiträge aus Praxis und Wissenschaft
Holzbau kompakt nach Eurocode 5	Bauwerk-Basis-Bibliothek
Geotechnik nach Eurocode Band 1: Bodenmechanik	Grundlagen, Nachweise, Berechnungsbeispiele
Geotechnik nach Eurocode Band 2: Grundbau	Grundlagen, Nachweise, Berechnungsbeispiele Bauwerk-Basis-Bibliothek
NB-overige landen / Andere normen	Where special design data (such as ψ -values for example installation) are missing the National Annex / Standards of other countries are applied.