

1. İindekiler

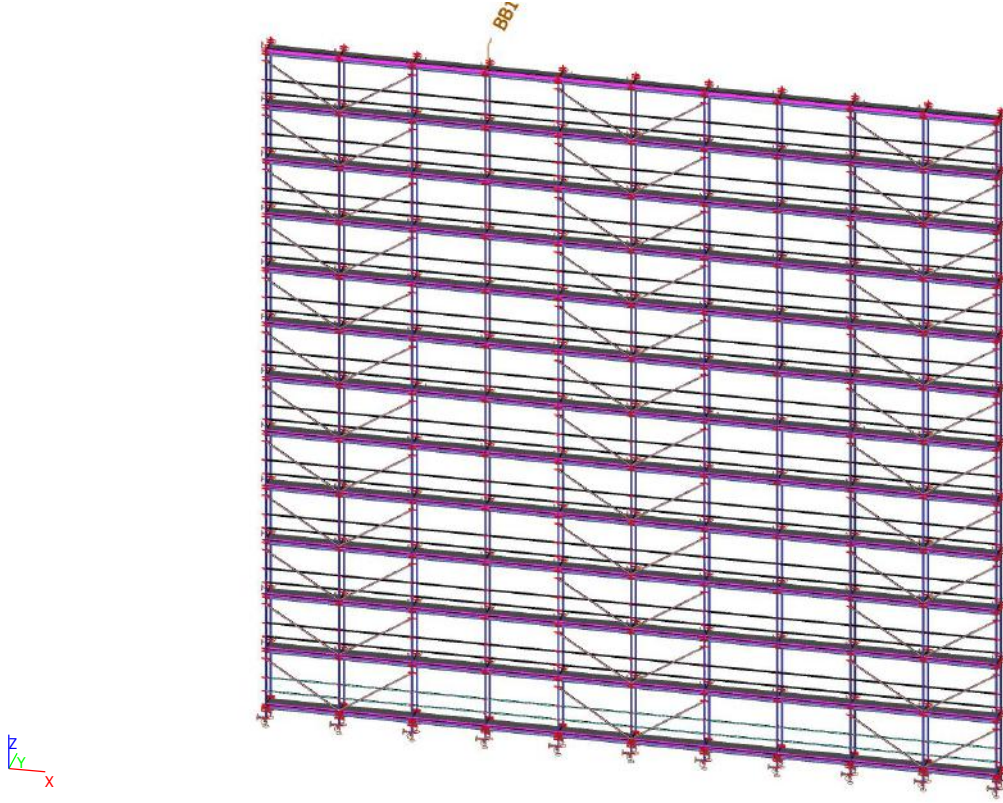
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2. YAPI BİLGİLERİ

Hesapları bu raporda gösterilen iskele sistemi tek cephe ve brandalı iskeledir. İskele 10 açıklıklı ve 24 m yüksekliktedir.

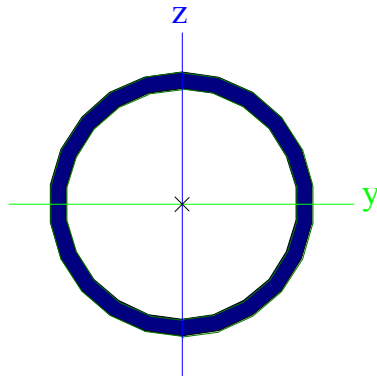
Tasarımı yapılan iskele ebatları şu şekildedir kısa açıklık 0.7 m uzun açıklık 2.5 m * 10 açıklık ve yükseklik 2m *12 kat

İskele sistemi modelinde dikey elemanlar 48,3*3 mm boru ,yatay elemanlar 34*2,5 mm boru diyagonal elemanlar 38*2,5 mm boru üst profil 40*50*2 mm kutu alt profil 20*40*2 mm kutu profil kullanılmıştır.



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Maliye Vergi No: 055 040 5658

3. İskele elemanları

DİKME			
Type	CFCHS48.3X3		
Formcode	3 - Circular hollow sections		
Shape type	Thin-walled		
Item material	S 235		
Fabrication	rolled		
Flexural buckling y-y,	a		a
Flexural buckling z-z			
A [m ²]	4,2700e-04		
A _y [m ²], A _z [m ²]	2,7180e-04		2,7180e-04
A _L [m ² /m], A _D [m ² /m]	1,5200e-01		2,8461e-01
C _{y,UCS} [mm], c _{z,UCS} [mm]	24,2		24,1
α [deg]	0,00		
I _y [m ⁴], I _z [m ⁴]	1,1000e-07		1,1000e-07
i _y [mm], i _z [mm]	16,1		16,1
W _{el,y} [m ³], W _{el,z} [m ³]	4,5500e-06		4,5500e-06
W _{pl,y} [m ³], W _{pl,z} [m ³]	6,1700e-06		6,1700e-06
M _{pl,y,+} [Nm], M _{pl,y,-} [Nm]	1,45e+03		1,45e+03
M _{pl,z,+} [Nm], M _{pl,z,-} [Nm]	1,45e+03		1,45e+03
d _y [mm], d _z [mm]	0,0		0,0
I _t [m ⁴], I _w [m ⁶]	2,2000e-07		1,0353e-43
β _y [mm], β _z [mm]	0,0		0,0
Picture			
ALT PROFİL			
Type	RHS		
Detailed	40,0; 20,0; 2,0; 0,1; 0,1		
Formcode	2 - Rectangular hollow sections		
Shape type	Thin-walled		
Item material	S 235		
Fabrication	rolled		
Flexural buckling y-y,	a		a
Flexural buckling z-z			
A [m ²]	2,2400e-04		
A _y [m ²], A _z [m ²]	7,4667e-05		1,4933e-04
A _L [m ² /m], A _D [m ² /m]	1,1983e-01		2,2366e-01
C _{y,UCS} [mm], c _{z,UCS} [mm]	10,0		20,0
α [deg]	0,00		
I _y [m ⁴], I _z [m ⁴]	4,4458e-08		1,4378e-08
i _y [mm], i _z [mm]	14,1		8,0
W _{el,y} [m ³], W _{el,z} [m ³]	2,2229e-06		1,4378e-06
W _{pl,y} [m ³], W _{pl,z} [m ³]	2,8160e-06		1,6960e-06
M _{pl,y,+} [Nm], M _{pl,y,-} [Nm]	6,62e+02		6,62e+02
M _{pl,z,+} [Nm], M _{pl,z,-} [Nm]	3,99e+02		3,99e+02
d _y [mm], d _z [mm]	0,0		0,0
I _t [m ⁴], I _w [m ⁶]	3,3717e-08		3,2000e-12
β _y [mm], β _z [mm]	0,0		0,0

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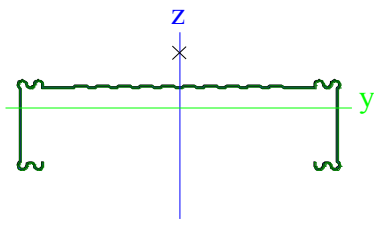
Picture		
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YATAY		
Type	CHS	
Detailed	34,0; 2,5	
Formcode	3 - Circular hollow sections	
Shape type	Thin-walled	
Item material	S 235	
Fabrication	rolled	
Flexural buckling y-y,	a	a
Flexural buckling z-z		
A [m ²]	2,4740e-04	
A _y [m ²], A _z [m ²]	1,5750e-04	1,5750e-04
A _L [m ² /m], A _D [m ² /m]	1,0681e-01	1,9791e-01
C _{y,UCS} [mm], C _{z,UCS} [mm]	17,0	17,0
α [deg]	0,00	
I _y [m ⁴], I _z [m ⁴]	3,0879e-08	3,0879e-08
i _y [mm], i _z [mm]	11,2	11,2
W _{el,y} [m ³], W _{el,z} [m ³]	1,8164e-06	1,8164e-06
W _{pl,y} [m ³], W _{pl,z} [m ³]	2,4858e-06	2,4858e-06
M _{pl,y,+} [Nm], M _{pl,y,-} [Nm]	5,84e+02	5,84e+02
M _{pl,z,+} [Nm], M _{pl,z,-} [Nm]	5,84e+02	5,84e+02
d _y [mm], d _z [mm]	0,0	0,0
I _t [m ⁴], I _w [m ⁶]	6,1371e-08	2,0012e-44
β _y [mm], β _z [mm]	0,0	0,0

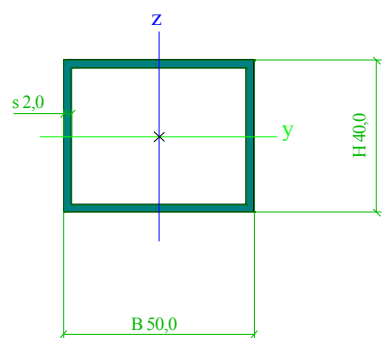
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Platform		
Type	General cross-section	
Shape type	Thin-walled	
Item material	S 235	
Fabrication	rolled	
Flexural buckling y-y,	d	d
Flexural buckling z-z		
A [m ²]	9,0086e-04	
A _y [m ²], A _z [m ²]	4,9396e-04	2,5006e-04
A _L [m ² /m], A _D [m ² /m]	1,2054e+00	1,2054e+00
C _{y,UCS} [mm], C _{z,UCS} [mm]	-220,4	143,1
α [deg]	0,00	
I _y [m ⁴], I _z [m ⁴]	8,6600e-07	1,3629e-05
i _y [mm], i _z [mm]	31,0	123,0
W _{el,y} [m ³], W _{el,z} [m ³]	1,3797e-05	8,5247e-05
W _{pl,y} [m ³], W _{pl,z} [m ³]	1,9350e-05	1,0114e-04
M _{pl,y,+} [Nm], M _{pl,y,-} [Nm]	4,55e+03	4,55e+03
M _{pl,z,+} [Nm], M _{pl,z,-} [Nm]	2,38e+04	2,38e+04

d_y [mm], d_z [mm]	0,0	54,6
I_t [m ⁴], I_w [m ⁶]	6,4080e-10	1,8695e-08
β_y [mm], β_z [mm]	-310,5	0,0
Picture		

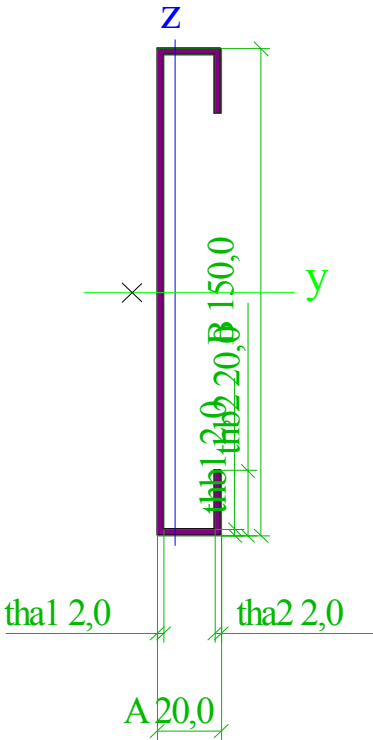
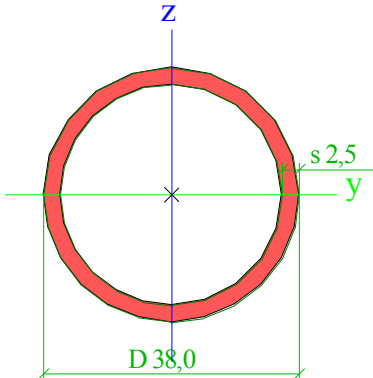
ÜST_PROFIL

Type	RHS	
Detailed	40,0; 50,0; 2,0; 0,1; 0,1	
Formcode	2 - Rectangular hollow sections	
Shape type	Thin-walled	
Item material	S 235	
Fabrication	rolled	
Flexural buckling y-y,	a	a
Flexural buckling z-z		
A [m ²]	3,4400e-04	
A_y [m ²], A_z [m ²]	1,9111e-04	1,5289e-04
A_L [m ² /m], A_D [m ² /m]	1,7983e-01	3,4366e-01
$c_{Y,UCS}$ [mm], $c_{Z,UCS}$ [mm]	25,0	20,0
α [deg]	0,00	
I_y [m ⁴], I_z [m ⁴]	8,7818e-08	1,2466e-07
i_y [mm], i_z [mm]	16,0	19,0
$W_{el,y}$ [m ³], $W_{el,z}$ [m ³]	4,3909e-06	4,9863e-06
$W_{pl,y}$ [m ³], $W_{pl,z}$ [m ³]	5,0960e-06	5,9560e-06
$M_{pl,y,+}$ [Nm], $M_{pl,y,-}$ [Nm]	1,20e+03	1,20e+03
$M_{pl,z,+}$ [Nm], $M_{pl,z,-}$ [Nm]	1,40e+03	1,40e+03
d_y [mm], d_z [mm]	0,0	0,0
I_t [m ⁴], I_w [m ⁶]	1,5520e-07	3,0000e-11
β_y [mm], β_z [mm]	0,0	0,0
Picture		

TOPUKLUK

Type	C	
Detailed	20,0; 2,0; 2,0; 150,0; 2,0; 20,0	
Shape type	Thick-walled	
Item material	S 235	
Fabrication	rolled	
Flexural buckling y-y,	d	d
Flexural buckling z-z		
A [m ²]	4,4400e-04	
A_y [m ²], A_z [m ²]	8,0525e-05	2,9247e-04
A_L [m ² /m], A_D [m ² /m]	4,4800e-01	4,4800e-01
$c_{Y,UCS}$ [mm], $c_{Z,UCS}$ [mm]	5,5	75,0
α [deg]	0,00	
I_y [m ⁴], I_z [m ⁴]	1,2537e-06	2,3442e-08
i_y [mm], i_z [mm]	53,1	7,3
$W_{el,y}$ [m ³], $W_{el,z}$ [m ³]	1,6715e-05	1,6212e-06
$W_{pl,y}$ [m ³], $W_{pl,z}$ [m ³]	2,1186e-05	2,1314e-06
$M_{pl,y,+}$ [Nm], $M_{pl,y,-}$ [Nm]	4,98e+03	4,98e+03
$M_{pl,z,+}$ [Nm], $M_{pl,z,-}$ [Nm]	5,01e+02	5,01e+02
d_y [mm], d_z [mm]	-13,2	0,0
I_t [m ⁴], I_w [m ⁶]	5,1673e-10	1,2056e-10
β_y [mm], β_z [mm]	-0,1	187,9

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Picture		
DIYAGONAL		
Type	CHS	
Detailed	38,0; 2,5	
Formcode	3 - Circular hollow sections	
Shape type	Thin-walled	
Item material	S 235	
Fabrication	rolled	
Flexural buckling y-y,	a	a
Flexural buckling z-z		
A [m ²]	2,7882e-04	
A _y [m ²], A _z [m ²]	1,7750e-04	1,7750e-04
A _L [m ² /m], A _D [m ² /m]	1,1937e-01	2,2304e-01
C _{y,UCS} [mm], C _{z,UCS} [mm]	19,0	19,0
α [deg]	0,00	
I _y [m ⁴], I _z [m ⁴]	4,4140e-08	4,4140e-08
i _y [mm], i _z [mm]	12,6	12,6
W _{el,y} [m ³], W _{el,z} [m ³]	2,3232e-06	2,3232e-06
W _{pl,y} [m ³], W _{pl,z} [m ³]	3,1558e-06	3,1558e-06
M _{pl,y,+} [Nm], M _{pl,y,-} [Nm]	7,41e+02	7,41e+02
M _{pl,z,+} [Nm], M _{pl,z,-} [Nm]	7,41e+02	7,41e+02
d _y [mm], d _z [mm]	0,0	0,0
I _t [m ⁴], I _w [m ⁶]	8,7845e-08	3,2159e-44
β _y [mm], β _z [mm]	0,0	0,0
Picture		

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Maltepe Vergi No: 05500000000

Explanations of symbols	
Formcode	d - Diameter w - Thickness
A	Area
A _y	Shear Area in principal y-direction
A _z	Shear Area in principal z-direction
A _L	Circumference per unit length

Explanations of symbols	
A _D	Drying surface per unit length
C _{y,UCS}	Centroid coordinate in Y-direction of Input axis system
C _{z,UCS}	Centroid coordinate in Z-direction of Input axis system
I _{y,UCS}	Second moment of area about the

Explanations of symbols	
	YLCS axis
$I_{Z,LCS}$	Second moment of area about the ZLCS axis
$I_{YZ,LCS}$	Product moment of area in the LCS system
α	Rotation angle of the principal axis system
I_y	Second moment of area about the principal y-axis
I_z	Second moment of area about the principal z-axis
i_y	Radius of gyration about the principal y-axis
i_z	Radius of gyration about the principal z-axis
$W_{el,y}$	Elastic section modulus about the principal y-axis
$W_{el,z}$	Elastic section modulus about the principal z-axis

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Explanations of symbols	
$W_{pl,y}$	Plastic section modulus about the principal y-axis
$W_{pl,z}$	Plastic section modulus about the principal z-axis
$M_{pl,y,+}$	Plastic moment about the principal y-axis for a positive M_y moment
$M_{pl,y,-}$	Plastic moment about the principal y-axis for a negative M_y moment
$M_{pl,z,+}$	Plastic moment about the principal z-axis for a positive M_z moment
$M_{pl,z,-}$	Plastic moment about the principal z-axis for a negative M_z moment
d_y	Shear center coordinate in principal y-direction measured from the centroid
d_z	Shear center coordinate in principal z-direction measured from the centroid
I_t	Torsional constant
I_w	Warping constant
β_y	Mono-symmetry constant about the principal y-axis
β_z	Mono-symmetry constant about the principal z-axis

4. Duvar ankraji ve taban mesnetleri

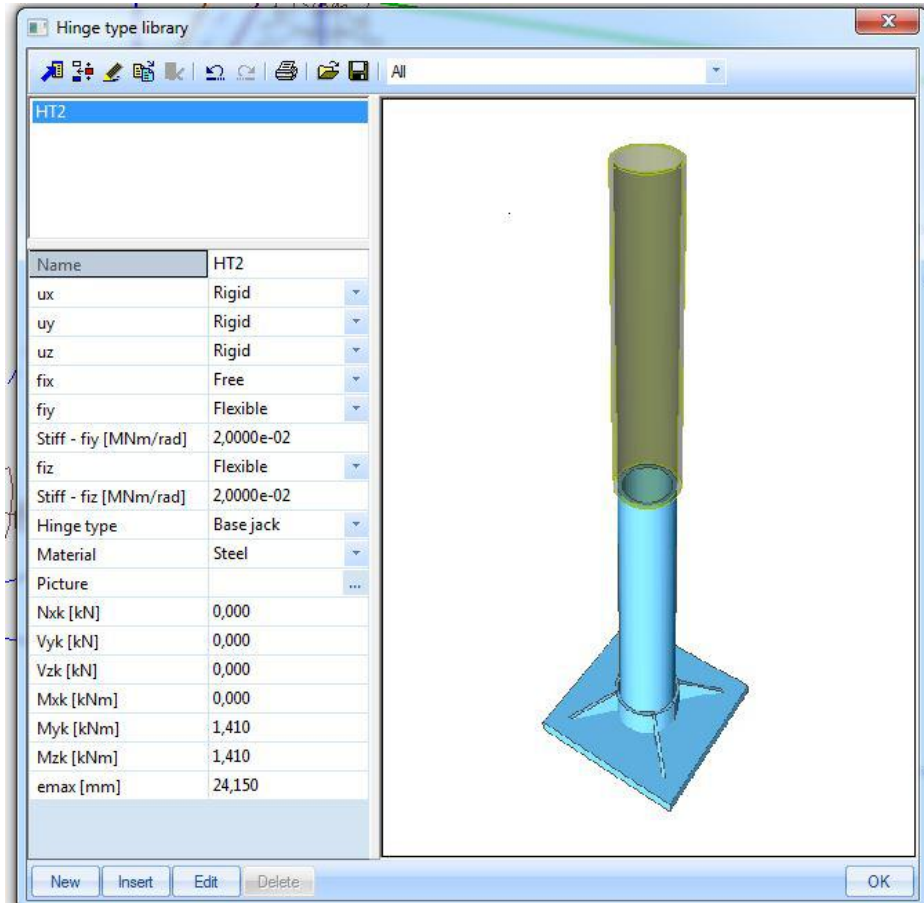
Name	Node	System	Type	X	Y	Z	Rx	Ry	Rz	Angle [deg]
Sn26	N20	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn29	N26	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn34	N280	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00,Ry180.00
Sn37	N286	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00,Ry180.00
Sn51	N72	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00,Ry180.00
Sn52	N124	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00,Ry180.00
Sn53	N176	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00,Ry180.00
Sn54	N228	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00,Ry180.00
Sn63	N78	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00,Ry180.00
Sn64	N130	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00,Ry180.00
Sn65	N182	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00,Ry180.00
Sn66	N234	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00,Ry180.00
Sn38	N1301	GCS	Standard	Friction	Friction	Rigid press only	Free	Free	Free	
Sn39	N1302	GCS	Standard	Friction	Friction	Rigid press only	Free	Free	Free	
Sn40	N1303	GCS	Standard	Friction	Friction	Rigid press only	Free	Free	Free	
Sn41	N1304	GCS	Standard	Friction	Friction	Rigid press only	Free	Free	Free	
Sn42	N1305	GCS	Standard	Friction	Friction	Rigid press only	Free	Free	Free	
Sn43	N1306	GCS	Standard	Friction	Friction	Rigid press only	Free	Free	Free	
Sn44	N1307	GCS	Standard	Friction	Friction	Rigid press only	Free	Free	Free	
Sn45	N1308	GCS	Standard	Friction	Friction	Rigid press only	Free	Free	Free	
Sn46	N1309	GCS	Standard	Friction	Friction	Rigid press only	Free	Free	Free	
Sn47	N1310	GCS	Standard	Friction	Friction	Rigid press only	Free	Free	Free	
Sn48	N1311	GCS	Standard	Friction	Friction	Rigid press only	Free	Free	Free	
Sn49	N1312	GCS	Standard	Friction	Friction	Rigid press only	Free	Free	Free	
Sn50	N1313	GCS	Standard	Friction	Friction	Rigid press only	Free	Free	Free	
Sn51	N1314	GCS	Standard	Friction	Friction	Rigid press only	Free	Free	Free	
Sn52	N1315	GCS	Standard	Friction	Friction	Rigid press only	Free	Free	Free	
Sn53	N1316	GCS	Standard	Friction	Friction	Rigid press only	Free	Free	Free	
Sn54	N1317	GCS	Standard	Friction	Friction	Rigid press only	Free	Free	Free	
Sn55	N1318	GCS	Standard	Friction	Friction	Rigid press only	Free	Free	Free	
Sn56	N1319	GCS	Standard	Friction	Friction	Rigid press only	Free	Free	Free	
Sn57	N1320	GCS	Standard	Friction	Friction	Rigid press only	Free	Free	Free	
Sn58	N1321	GCS	Standard	Friction	Friction	Rigid press only	Free	Free	Free	
Sn59	N1322	GCS	Standard	Friction	Friction	Rigid press only	Free	Free	Free	
Sn103	N46	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn104	N98	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn105	N150	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn106	N202	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn107	N254	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn114	N52	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn115	N104	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn116	N156	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn117	N208	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn118	N260	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn119	N16	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn120	N42	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn121	N68	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn122	N94	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn123	N120	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00

Name	Node	System	Type	X	Y	Z	Rx	Ry	Rz	Angle [deg]
Sn124	N146	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn125	N172	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn126	N198	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn127	N224	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn128	N250	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn129	N276	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn130	N18	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn131	N44	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn132	N70	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn133	N96	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn134	N122	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn135	N148	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn136	N174	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn137	N200	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn138	N226	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn139	N252	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn140	N278	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn141	N22	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn142	N48	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn143	N74	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn144	N100	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn145	N126	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn146	N152	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn147	N178	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn148	N204	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn149	N230	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn150	N256	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn151	N282	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn152	N24	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn153	N50	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn154	N76	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn155	N102	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn156	N128	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn157	N154	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn158	N180	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn159	N206	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn160	N232	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn161	N258	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn162	N284	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn163	N15	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn164	N41	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn165	N17	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn166	N19	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn167	N21	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn168	N23	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn169	N25	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn170	N43	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn171	N45	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn172	N47	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn173	N49	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00

Name	Node	System	Type	X	Y	Z	Rx	Ry	Rz	Angle [deg]
Sn201	N153	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn202	N179	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn203	N155	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn204	N181	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn205	N233	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn206	N207	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn207	N231	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn208	N205	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn209	N203	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn210	N229	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn211	N201	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn212	N227	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn213	N199	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn214	N225	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn215	N197	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn216	N223	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn217	N249	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn218	N275	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn219	N251	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn220	N277	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn221	N253	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn222	N279	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn223	N255	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn224	N281	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn225	N257	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn226	N283	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn227	N259	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00
Sn228	N285	GCS	Standard	Rigid	Rigid	Free	Free	Free	Free	Rx180.00

5. Ayarlanabilir taban plakası

Name	ux	uy	uz	fix	fiy	fiz	Hinge type	Nxk [kN]	Vyk [kN]	Vzk [kN]	emax [mm]
								Mxk [kNm]	Myk [kNm]	Mzk [kNm]	
HT2	Rigid	Rigid	Rigid	Free	Flexible	Flexible	Base jack	0,000	0,000	0,000	24,150
								0,000	1,410	1,410	



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Maliye Vergi No: 05500005656

İSKELE PARAMETRELERİ:

KONUMA BAĞLI RÜZGAR ETKİ KATSAYISI

Cs : 1

AERODİNAMİK KUVVET KATSAYISI

Cf : 1,3

ÇALIŞMA RÜZGAR BASINCI

q : 0.2 kn/m2

6. MALZEME BİLGİLERİ

6.1. ÇELİK MALZEMESİ

Steel EC3

Name	Unit mass [kg/m³]	E mod [MPa]	Poisson - nu	Lower limit [mm]	Upper limit [mm]	Fy (range) [MPa]	Fu (range) [MPa]
		G mod [MPa]	Thermal exp [m/mK]				
S 235	7850,0	2,1000e+05	0,3	0,0	40,0	235,0	360,0
		8,0769e+04	0,00	40,0	80,0	215,0	360,0

6.2. Kaplama Malzemesi

BRANDA

5 sıra boyuna kaynaklı kuşgözü şeridi bulunan ve kafes örgülü PE folyo. UV ışınlarına dayanıklıdır. DIN 4102 normlarına B1 sınıfı yangın geciktirici özelliktedir. Resmi laboratuvar test işareti: P-MPA-E-02-617.

TEKNİK ÖZELLİKLER

Yırtılma mukavemeti	yakl. 500 N/5 cm
Isı dayanımı	-40 °C ile +80 °C arasında
Ağırlık	yakl. 280 g/m²
Rulo ölçüleri	20 x 2,70 m 20 x 3,25 m

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7. YÜK DURUMLARI

7.1. Zati ağırlıklar (SW)

Profil ağırlıkları program tarafından ölü yük olarak hesaplanmaktadır.

7.2. Servis yükleri (SL)

Yük sınıfı 4 için 3 kN/ m2 Servis yükü olarak tanımlanmıştır. Yükleme 12. kata yarım yük 11. kata tam yük ve 10. kata yarım yük olarak etkilmiştir.

Servis dışı durum için yük sınıfı 4 e göre alınan 3 kN/m2 yükün %50 si 11. kata uygulanmıştır.

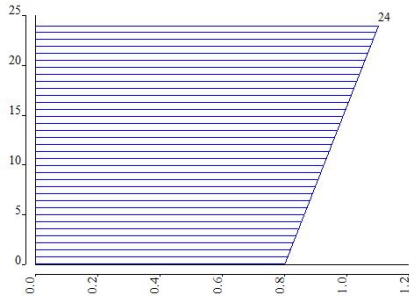
7.3. Rüzgar yükleri (W)

İskele rüzgar hesap yükleri ;

Maximum rüzgar yükü değeri için aşağıdaki diagram kullanılmıştır.

Name	WP1
Selector switch	x
Input	user
Height / Pressure	0.000000 / 800.000000
	24.000000 / 1100.000000

Drawing



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8. YÜK KOMBİNASYONLARI

Name	Type	Load cases	Coeff. [-]
CO1	Linear - ultimate	SW - Zati ağırlık	1,00
		Wy - Rüzgar	0,90
		SL1 - Servis yükü %50	1,50
CO2	Linear - ultimate	SW - Zati ağırlık	1,00
		Wx - Rüzgar	0,90
		SL1 - Servis yükü %50	1,50
CO3	Linear - ultimate	SW - Zati ağırlık	1,00
		SL - Servis yükü	1,05
CO4	Linear - ultimate	SW - Zati ağırlık	1,00
		SL - Servis yükü	1,50
		Wy_çalışma - Rüzgar	0,90
CO5	Linear - ultimate	SW - Zati ağırlık	1,00
		SL - Servis yükü	1,50
		Wx_Çalışma - Rüzgar	0,90
CO6	Linear - ultimate	SW - Zati ağırlık	1,00
		SL - Servis yükü	1,05
CO7	Linear - ultimate	SW - Zati ağırlık	1,00
		Wx - Rüzgar	0,90
		SL1 - Servis yükü %50	1,05
CO8	Linear - ultimate	SW - Zati ağırlık	1,00
		Wy - Rüzgar	0,90
		SL1 - Servis yükü %50	1,50
CO9	Linear - ultimate	SW - Zati ağırlık	1,35
		SL - Servis yükü	1,50
		Wy_çalışma - Rüzgar	0,90
CO10	Linear - ultimate	SW - Zati ağırlık	1,00
		SL - Servis yükü	1,50
		Wx_Çalışma - Rüzgar	0,90
CO11	Linear - serviceability	SW - Zati ağırlık	1,00
		Wx - Rüzgar	1,00
		SL1 - Servis yükü %50	1,00
CO12	Linear - serviceability	SW - Zati ağırlık	1,00
		Wy - Rüzgar	1,00
		SL1 - Servis yükü %50	1,00
CO13	Linear - serviceability	SW - Zati ağırlık	1,00
		SL - Servis yükü	1,00
CO14	Linear - serviceability	SW - Zati ağırlık	1,00
		SL - Servis yükü	1,00
		Wy_çalışma - Rüzgar	1,00
CO15	Linear - serviceability	SW - Zati ağırlık	1,00
		SL - Servis yükü	1,00
		Wx_Çalışma - Rüzgar	1,00

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9. Nonlinear Kombinasyonlar

Name	Type	Load cases	Coeff. [-]
NC1	Ultimate	SW - Zati ağırlık	1,00
		Wy - Rüzgar	0,90
		SL1 - Servis yükü %50	1,50
NC2	Ultimate	SW - Zati ağırlık	1,00
		Wx - Rüzgar	0,90
		SL1 - Servis yükü %50	1,50
NC3	Ultimate	SW - Zati ağırlık	1,00
		SL - Servis yükü	1,50
NC4	Ultimate	SW - Zati ağırlık	1,00
		SL - Servis yükü	1,50
		Wy_çalışma - Rüzgar	0,90
NC5	Ultimate	SW - Zati ağırlık	1,00
		SL - Servis yükü	1,50
		Wx_Çalışma - Rüzgar	0,90
NC6	Ultimate	SW - Zati ağırlık	1,00
		SL - Servis yükü	1,05
NC7	Ultimate	SW - Zati ağırlık	1,00
		Wx - Rüzgar	0,90
		SL1 - Servis yükü %50	1,50
NC8	Ultimate	SW - Zati ağırlık	1,00
		Wy - Rüzgar	0,90
		SL1 - Servis yükü %50	1,50
NC9	Ultimate	SW - Zati ağırlık	1,00
		SL - Servis yükü	1,50
		Wy_çalışma - Rüzgar	0,90
NC10	Ultimate	SW - Zati ağırlık	1,00
		SL - Servis yükü	1,50

Name	Type	Load cases	Coeff. [-]
		Wx_Çalışma - Rüzgar	0,90
NC11	Serviceability	SW - Zati ağırlık	1,00
		Wx - Rüzgar	1,00
		SL1 - Servis yükü %50	1,00
NC12	Serviceability	SW - Zati ağırlık	1,00
		Wy - Rüzgar	1,00
		SL1 - Servis yükü %50	1,00
NC13	Serviceability	SW - Zati ağırlık	1,00
		SL - Servis yükü	1,00
NC14	Serviceability	SW - Zati ağırlık	1,00
		SL - Servis yükü	1,00
		Wy_çalışma - Rüzgar	1,00
NC15	Serviceability	SW - Zati ağırlık	1,00
		SL - Servis yükü	1,00
		Wx_Çalışma - Rüzgar	1,00

10. Stability combinations

Name	Load cases	Coeff. [-]
S1	SW - Zati ağırlık	1,35
	Wy - Rüzgar	0,90
	SL1 - Servis yükü %50	1,50
S1/1 - 7,79		

11. Result classes

Name	Description	List
ULS1	servis durumu	CO3 - Linear - ultimate CO4 - Linear - ultimate CO5 - Linear - ultimate CO6 - Linear - ultimate CO9 - Linear - ultimate CO10 - Linear - ultimate
All SLS		CO11 - Linear - serviceability CO12 - Linear - serviceability CO13 - Linear - serviceability CO14 - Linear - serviceability CO15 - Linear - serviceability
NC ULS		NC1 NC2 NC3 NC4 NC5 NC6 NC7 NC8 NC9 NC10
NC SLS		NC11 NC12 NC13 NC14 NC15
ULS2	servis dışı	CO1 - Linear - ultimate CO2 - Linear - ultimate CO7 - Linear - ultimate CO8 - Linear - ultimate

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12. STANDARTLAR VE KAYNAKLAR

- TS EN 12810-1 "Ön yapımlı bileşenlerden oluşan cephe iskeleleri- bölüm 1 : Mamul özellikleri"
- TS EN 12810-2 "Ön yapımlı bileşenlerden oluşan cephe iskeleleri- bölüm 2 : Özel yapısal tasarım metodları"
- TS EN 12811-1 " Geçici iş donanımları- Bölüm 1 : İş iskeleleri -Performans gerekleri ve genel tasarım"
- TS EN 1993-1-1 " Çelik yapıların projelendirilmesi - Bölüm 1-1 Genel kurallar ve bina kuralları"

13. SİSTEM TASARIMI

İskele sistemi oluşturulan kombinasyonlar altında lineer analizler ile kontrol edilmiştir. Stabilitate analizleri yapılarak ikinci mertebe analizine gerek olmadığı görülmüş fakat yine de nonlineer analizler yapılarak ikinci mertebe analizleri ve yapı kusuru da dikkate alınmıştır.

14. YÜK ANALİZİ

14.1. Servis yükü durumu (SL) (SL1)

Servis yüklerinin elemanlara dağılımı aşağıdaki diyagramda gösterilmiştir.

Servis Durumu

$$F_s = A_y1 \cdot 3 \text{ kN/m}^2 = 0,30 \cdot 3 \text{ kN/m}^2 = 0,90 / 2 = 0,45 \text{ kN/m} \text{ (Düzgün yayılı yük) } 10. \text{ ve } 12. \text{ kat}$$

$$F_s = A_y1 \cdot 3 \text{ kN/m}^2 = 0,30 \cdot 3 \text{ kN/m}^2 = 0,90 \text{ kN/m} \text{ (Düzgün yayılı yük) } 11. \text{ kat}$$

Servis Dışı Durum

$$F_s = A_y1 \cdot 0,5 \cdot 3 \text{ kN/m}^2 = 0,3 \cdot 1,5 \text{ kN/m}^2 = 0,45 \text{ kN/m} \text{ (Düzgün yayılı yük) } 10. \text{ kat}$$

14.2. Rüzgar yükü durumu (W)

Rüzgar yükü dağılımları aşağıdaki diyagramda gösterilmiştir.

Çalışma rüzgar yükü durumu hesap değerleri

$$F = 0,28 \cdot 1,3 \cdot 2,5 \cdot 0,2 = 0,162 \text{ kN/m} \text{ Dikme elemanlarına}$$

Maximum rüzgar

Diagrama girilmiş değerler otomatik olarak hesaplanıp dikme elemanları üzerine etkilmiştir.

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14.3. Elemanların üzerindeki yükler

Name	Member	Type	Dir	Value - P ₁ [kN/m]	Pos x ₁	Coor	Orig	Ecc ey
	Load case	System	Distribution	Value - P ₂ [kN/m]	Pos x ₂	Loc		Ecc ez
LF1	PL221	Force	Z	-0,450	0.000	Rela	From start	0,000
	SL - Servis yükü	GCS	Uniform		1.000	Length		0,000
LF2	PL222	Force	Z	-0,450	0.000	Rela	From start	0,000
	SL - Servis yükü	GCS	Uniform		1.000	Length		0,000
LF3	PL223	Force	Z	-0,450	0.000	Rela	From start	0,000
	SL - Servis yükü	GCS	Uniform		1.000	Length		0,000
LF4	PL224	Force	Z	-0,450	0.000	Rela	From start	0,000
	SL - Servis yükü	GCS	Uniform		1.000	Length		0,000
LF5	PL225	Force	Z	-0,450	0.000	Rela	From start	0,000
	SL - Servis yükü	GCS	Uniform		1.000	Length		0,000
LF6	PL226	Force	Z	-0,450	0.000	Rela	From start	0,000
	SL - Servis yükü	GCS	Uniform		1.000	Length		0,000
LF7	PL227	Force	Z	-0,450	0.000	Rela	From start	0,000
	SL - Servis yükü	GCS	Uniform		1.000	Length		0,000
LF8	PL228	Force	Z	-0,450	0.000	Rela	From start	0,000
	SL - Servis yükü	GCS	Uniform		1.000	Length		0,000
LF9	PL229	Force	Z	-0,450	0.000	Rela	From start	0,000
	SL - Servis yükü	GCS	Uniform		1.000	Length		0,000
LF10	PL230	Force	Z	-0,450	0.000	Rela	From start	0,000
	SL - Servis yükü	GCS	Uniform		1.000	Length		0,000
LF11	PL231	Force	Z	-0,450	0.000	Rela	From start	0,000
	SL - Servis yükü	GCS	Uniform		1.000	Length		0,000
LF12	PL232	Force	Z	-0,450	0.000	Rela	From start	0,000
	SL - Servis yükü	GCS	Uniform		1.000	Length		0,000
LF13	PL233	Force	Z	-0,450	0.000	Rela	From start	0,000
	SL - Servis yükü	GCS	Uniform		1.000	Length		0,000
LF14	PL234	Force	Z	-0,450	0.000	Rela	From start	0,000
	SL - Servis yükü	GCS	Uniform		1.000	Length		0,000
LF15	PL235	Force	Z	-0,450	0.000	Rela	From start	0,000
	SL - Servis yükü	GCS	Uniform		1.000	Length		0,000
LF16	PL236	Force	Z	-0,450	0.000	Rela	From start	0,000
	SL - Servis yükü	GCS	Uniform		1.000	Length		0,000
LF17	PL237	Force	Z	-0,450	0.000	Rela	From start	0,000
	SL - Servis yükü	GCS	Uniform		1.000	Length		0,000
LF18	PL238	Force	Z	-0,450	0.000	Rela	From start	0,000
	SL - Servis yükü	GCS	Uniform		1.000	Length		0,000
LF19	PL239	Force	Z	-0,450	0.000	Rela	From start	0,000
	SL - Servis yükü	GCS	Uniform		1.000	Length		0,000
LF20	PL240	Force	Z	-0,450	0.000	Rela	From start	0,000
	SL - Servis yükü	GCS	Uniform		1.000	Length		0,000
LF21	PL181	Force	Z	-0,450	0.000	Rela	From start	0,000
	SL - Servis yükü	GCS	Uniform		1.000	Length		0,000
LF22	PL182	Force	Z	-0,450	0.000	Rela	From start	0,000
	SL - Servis yükü	GCS	Uniform		1.000	Length		0,000
LF23	PL183	Force	Z	-0,450	0.000	Rela	From start	0,000
	SL - Servis yükü	GCS	Uniform		1.000	Length		0,000

[illegible]

Name	Member	Type	Dir	Value - P ₁ [kN/m]	Pos x ₁	Coor	Orig	Ecc ey
	Load case	System	Distribution	Value - P ₂ [kN/m]	Pos x ₂	Loc		Ecc ez
LF780	PL201	Force	Z	-0,450	0.000	Rela	From start	0,000
	SL1 - Servis yükü %50	GCS	Uniform		1.000	Length		0,000
LF781	PL202	Force	Z	-0,450	0.000	Rela	From start	0,000
	SL1 - Servis yükü %50	GCS	Uniform		1.000	Length		0,000
LF782	PL203	Force	Z	-0,450	0.000	Rela	From start	0,000
	SL1 - Servis yükü %50	GCS	Uniform		1.000	Length		0,000
LF783	PL204	Force	Z	-0,450	0.000	Rela	From start	0,000
	SL1 - Servis yükü %50	GCS	Uniform		1.000	Length		0,000
LF784	PL205	Force	Z	-0,450	0.000	Rela	From start	0,000
	SL1 - Servis yükü %50	GCS	Uniform		1.000	Length		0,000
LF785	PL206	Force	Z	-0,450	0.000	Rela	From start	0,000
	SL1 - Servis yükü %50	GCS	Uniform		1.000	Length		0,000
LF786	PL207	Force	Z	-0,450	0.000	Rela	From start	0,000
	SL1 - Servis yükü %50	GCS	Uniform		1.000	Length		0,000
LF787	PL208	Force	Z	-0,450	0.000	Rela	From start	0,000
	SL1 - Servis yükü %50	GCS	Uniform		1.000	Length		0,000
LF788	PL209	Force	Z	-0,450	0.000	Rela	From start	0,000
	SL1 - Servis yükü %50	GCS	Uniform		1.000	Length		0,000
LF789	PL210	Force	Z	-0,450	0.000	Rela	From start	0,000
	SL1 - Servis yükü %50	GCS	Uniform		1.000	Length		0,000
LF790	PL211	Force	Z	-0,450	0.000	Rela	From start	0,000
	SL1 - Servis yükü %50	GCS	Uniform		1.000	Length		0,000
LF791	PL212	Force	Z	-0,450	0.000	Rela	From start	0,000
	SL1 - Servis yükü %50	GCS	Uniform		1.000	Length		0,000
LF792	PL213	Force	Z	-0,450	0.000	Rela	From start	0,000
	SL1 - Servis yükü %50	GCS	Uniform		1.000	Length		0,000
LF793	PL214	Force	Z	-0,450	0.000	Rela	From start	0,000
	SL1 - Servis yükü %50	GCS	Uniform		1.000	Length		0,000
LF794	PL215	Force	Z	-0,450	0.000	Rela	From start	0,000
	SL1 - Servis yükü %50	GCS	Uniform		1.000	Length		0,000
LF795	PL216	Force	Z	-0,450	0.000	Rela	From start	0,000
	SL1 - Servis yükü %50	GCS	Uniform		1.000	Length		0,000
LF796	PL217	Force	Z	-0,450	0.000	Rela	From start	0,000
	SL1 - Servis yükü %50	GCS	Uniform		1.000	Length		0,000
LF797	PL218	Force	Z	-0,450	0.000	Rela	From start	0,000
	SL1 - Servis yükü %50	GCS	Uniform		1.000	Length		0,000
LF798	PL219	Force	Z	-0,450	0.000	Rela	From start	0,000
	SL1 - Servis yükü %50	GCS	Uniform		1.000	Length		0,000
LF799	PL220	Force	Z	-0,450	0.000	Rela	From start	0,000
	SL1 - Servis yükü %50	GCS	Uniform		1.000	Length		0,000
LF818	B12	Wind	Y	3,494	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,575	1.000	Length		0,000
LF819	B36	Wind	Y	3,494	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,575	1.000	Length		0,000
LF820	B60	Wind	Y	3,494	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,575	1.000	Length		0,000
LF821	B84	Wind	Y	3,494	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,575	1.000	Length		0,000
LF822	B108	Wind	Y	3,494	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,575	1.000	Length		0,000
LF823	B132	Wind	Y	3,494	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,575	1.000	Length		0,000
LF824	B156	Wind	Y	3,494	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,575	1.000	Length		0,000
LF825	B180	Wind	Y	3,494	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,575	1.000	Length		0,000
LF826	B468	Wind	Y	3,494	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,575	1.000	Length		0,000
LF827	B528	Wind	Y	3,494	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,575	1.000	Length		0,000
LF828	B588	Wind	Y	3,494	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,575	1.000	Length		0,000
LF829	B11	Wind	Y	3,413	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,494	1.000	Length		0,000
LF830	B35	Wind	Y	3,413	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,494	1.000	Length		0,000
LF831	B59	Wind	Y	3,413	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,494	1.000	Length		0,000
LF832	B83	Wind	Y	3,413	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,494	1.000	Length		0,000
LF833	B107	Wind	Y	3,413	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,494	1.000	Length		0,000
LF834	B131	Wind	Y	3,413	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,494	1.000	Length		0,000

Name	Member	Type	Dir	Value - P ₁ [kN/m]	Pos x ₁	Coor	Orig	Ecc ey
	Load case	System	Distribution	Value - P ₂ [kN/m]	Pos x ₂	Loc		Ecc ez
LF835	B155	Wind	Y	3,413	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,494	1.000	Length		0,000
LF836	B179	Wind	Y	3,413	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,494	1.000	Length		0,000
LF837	B467	Wind	Y	3,413	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,494	1.000	Length		0,000
LF838	B527	Wind	Y	3,413	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,494	1.000	Length		0,000
LF839	B587	Wind	Y	3,413	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,494	1.000	Length		0,000
LF840	B10	Wind	Y	3,331	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,413	1.000	Length		0,000
LF841	B34	Wind	Y	3,331	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,413	1.000	Length		0,000
LF842	B58	Wind	Y	3,331	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,413	1.000	Length		0,000
LF843	B82	Wind	Y	3,331	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,413	1.000	Length		0,000
LF844	B106	Wind	Y	3,331	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,413	1.000	Length		0,000
LF845	B130	Wind	Y	3,331	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,413	1.000	Length		0,000
LF846	B154	Wind	Y	3,331	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,413	1.000	Length		0,000
LF847	B178	Wind	Y	3,331	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,413	1.000	Length		0,000
LF848	B466	Wind	Y	3,331	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,413	1.000	Length		0,000
LF849	B526	Wind	Y	3,331	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,413	1.000	Length		0,000
LF850	B586	Wind	Y	3,331	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,413	1.000	Length		0,000
LF851	B9	Wind	Y	3,250	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,331	1.000	Length		0,000
LF852	B33	Wind	Y	3,250	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,331	1.000	Length		0,000
LF853	B57	Wind	Y	3,250	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,331	1.000	Length		0,000
LF854	B81	Wind	Y	3,250	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,331	1.000	Length		0,000
LF855	B105	Wind	Y	3,250	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,331	1.000	Length		0,000
LF856	B129	Wind	Y	3,250	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,331	1.000	Length		0,000
LF857	B153	Wind	Y	3,250	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,331	1.000	Length		0,000
LF858	B177	Wind	Y	3,250	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,331	1.000	Length		0,000
LF859	B465	Wind	Y	3,250	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,331	1.000	Length		0,000
LF860	B525	Wind	Y	3,250	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,331	1.000	Length		0,000
LF861	B585	Wind	Y	3,250	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,331	1.000	Length		0,000
LF862	B8	Wind	Y	3,169	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,250	1.000	Length		0,000
LF863	B32	Wind	Y	3,169	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,250	1.000	Length		0,000
LF864	B56	Wind	Y	3,169	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,250	1.000	Length		0,000
LF865	B80	Wind	Y	3,169	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,250	1.000	Length		0,000
LF866	B104	Wind	Y	3,169	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,250	1.000	Length		0,000
LF867	B128	Wind	Y	3,169	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,250	1.000	Length		0,000
LF868	B152	Wind	Y	3,169	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,250	1.000	Length		0,000
LF869	B176	Wind	Y	3,169	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,250	1.000	Length		0,000
LF870	B464	Wind	Y	3,169	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,250	1.000	Length		0,000
LF871	B524	Wind	Y	3,169	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,250	1.000	Length		0,000

Name	Member	Type	Dir	Value - P ₁ [kN/m]	Pos x ₁	Coor	Orig	Ecc ey
	Load case	System	Distribution	Value - P ₂ [kN/m]	Pos x ₂	Loc		Ecc ez
LF872	B584	Wind	Y	3,169	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,250	1.000	Length		0,000
LF873	B7	Wind	Y	3,088	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,169	1.000	Length		0,000
LF874	B31	Wind	Y	3,088	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,169	1.000	Length		0,000
LF875	B55	Wind	Y	3,088	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,169	1.000	Length		0,000
LF876	B79	Wind	Y	3,088	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,169	1.000	Length		0,000
LF877	B103	Wind	Y	3,088	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,169	1.000	Length		0,000
LF878	B127	Wind	Y	3,088	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,169	1.000	Length		0,000
LF879	B151	Wind	Y	3,088	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,169	1.000	Length		0,000
LF880	B175	Wind	Y	3,088	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,169	1.000	Length		0,000
LF881	B463	Wind	Y	3,088	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,169	1.000	Length		0,000
LF882	B523	Wind	Y	3,088	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,169	1.000	Length		0,000
LF883	B583	Wind	Y	3,088	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,169	1.000	Length		0,000
LF884	B6	Wind	Y	3,006	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,087	1.000	Length		0,000
LF885	B30	Wind	Y	3,006	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,087	1.000	Length		0,000
LF886	B54	Wind	Y	3,006	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,087	1.000	Length		0,000
LF887	B78	Wind	Y	3,006	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,087	1.000	Length		0,000
LF888	B102	Wind	Y	3,006	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,087	1.000	Length		0,000
LF889	B126	Wind	Y	3,006	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,087	1.000	Length		0,000
LF890	B150	Wind	Y	3,006	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,087	1.000	Length		0,000
LF891	B174	Wind	Y	3,006	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,087	1.000	Length		0,000
LF892	B462	Wind	Y	3,006	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,087	1.000	Length		0,000
LF893	B522	Wind	Y	3,006	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,087	1.000	Length		0,000
LF894	B582	Wind	Y	3,006	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,087	1.000	Length		0,000
LF895	B5	Wind	Y	2,925	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,006	1.000	Length		0,000
LF896	B29	Wind	Y	2,925	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,006	1.000	Length		0,000
LF897	B53	Wind	Y	2,925	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,006	1.000	Length		0,000
LF898	B77	Wind	Y	2,925	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,006	1.000	Length		0,000
LF899	B101	Wind	Y	2,925	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,006	1.000	Length		0,000
LF900	B125	Wind	Y	2,925	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,006	1.000	Length		0,000
LF901	B149	Wind	Y	2,925	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,006	1.000	Length		0,000
LF902	B173	Wind	Y	2,925	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,006	1.000	Length		0,000
LF903	B461	Wind	Y	2,925	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,006	1.000	Length		0,000
LF904	B521	Wind	Y	2,925	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,006	1.000	Length		0,000
LF905	B581	Wind	Y	2,925	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	3,006	1.000	Length		0,000
LF906	B4	Wind	Y	2,844	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	2,925	1.000	Length		0,000
LF907	B28	Wind	Y	2,844	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	2,925	1.000	Length		0,000
LF908	B52	Wind	Y	2,844	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	2,925	1.000	Length		0,000

Name	Member	Type	Dir	Value - P ₁ [kN/m]	Pos x ₁	Coor	Orig	Ecc ey
	Load case	System	Distribution	Value - P ₂ [kN/m]	Pos x ₂	Loc		Ecc ez
LF909	B76	Wind	Y	2,844	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	2,925	1.000	Length		0,000
LF910	B100	Wind	Y	2,844	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	2,925	1.000	Length		0,000
LF911	B124	Wind	Y	2,844	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	2,925	1.000	Length		0,000
LF912	B148	Wind	Y	2,844	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	2,925	1.000	Length		0,000
LF913	B172	Wind	Y	2,844	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	2,925	1.000	Length		0,000
LF914	B460	Wind	Y	2,844	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	2,925	1.000	Length		0,000
LF915	B520	Wind	Y	2,844	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	2,925	1.000	Length		0,000
LF916	B580	Wind	Y	2,844	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	2,925	1.000	Length		0,000
LF917	B3	Wind	Y	2,763	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	2,844	1.000	Length		0,000
LF918	B27	Wind	Y	2,763	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	2,844	1.000	Length		0,000
LF919	B51	Wind	Y	2,763	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	2,844	1.000	Length		0,000
LF920	B75	Wind	Y	2,763	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	2,844	1.000	Length		0,000
LF921	B99	Wind	Y	2,763	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	2,844	1.000	Length		0,000
LF922	B123	Wind	Y	2,763	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	2,844	1.000	Length		0,000
LF923	B147	Wind	Y	2,763	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	2,844	1.000	Length		0,000
LF924	B171	Wind	Y	2,763	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	2,844	1.000	Length		0,000
LF925	B459	Wind	Y	2,763	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	2,844	1.000	Length		0,000
LF926	B519	Wind	Y	2,763	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	2,844	1.000	Length		0,000
LF927	B579	Wind	Y	2,763	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	2,844	1.000	Length		0,000
LF928	B2	Wind	Y	2,681	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	2,763	1.000	Length		0,000
LF929	B26	Wind	Y	2,681	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	2,763	1.000	Length		0,000
LF930	B50	Wind	Y	2,681	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	2,763	1.000	Length		0,000
LF931	B74	Wind	Y	2,681	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	2,763	1.000	Length		0,000
LF932	B98	Wind	Y	2,681	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	2,763	1.000	Length		0,000
LF933	B122	Wind	Y	2,681	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	2,763	1.000	Length		0,000
LF934	B146	Wind	Y	2,681	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	2,763	1.000	Length		0,000
LF935	B170	Wind	Y	2,681	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	2,763	1.000	Length		0,000
LF936	B458	Wind	Y	2,681	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	2,763	1.000	Length		0,000
LF937	B518	Wind	Y	2,681	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	2,763	1.000	Length		0,000
LF938	B578	Wind	Y	2,681	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	2,763	1.000	Length		0,000
LF939	B1	Wind	Y	2,600	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	2,681	1.000	Length		0,000
LF940	B25	Wind	Y	2,600	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	2,681	1.000	Length		0,000
LF941	B49	Wind	Y	2,600	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	2,681	1.000	Length		0,000
LF942	B73	Wind	Y	2,600	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	2,681	1.000	Length		0,000
LF943	B97	Wind	Y	2,600	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	2,681	1.000	Length		0,000
LF944	B121	Wind	Y	2,600	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	2,681	1.000	Length		0,000
LF945	B145	Wind	Y	2,600	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	2,681	1.000	Length		0,000

Name	Member	Type	Dir	Value - P ₁ [kN/m]	Pos x ₁	Coor	Orig	Ecc ey
	Load case	System	Distribution	Value - P ₂ [kN/m]	Pos x ₂	Loc		Ecc ez
LF946	B169	Wind	Y	2,600	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	2,681	1.000	Length		0,000
LF947	B457	Wind	Y	2,600	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	2,681	1.000	Length		0,000
LF948	B517	Wind	Y	2,600	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	2,681	1.000	Length		0,000
LF949	B577	Wind	Y	2,600	0.000	Rela	From start	0,000
	Wy - Rüzgar	GCS	Uniform	2,681	1.000	Length		0,000
LF950	B24	Wind	X	0,489	0.000	Rela	From start	0,000
	Wx - Rüzgar	GCS	Uniform	0,500	1.000	Length		0,000
LF951	B12	Wind	X	0,489	0.000	Rela	From start	0,000
	Wx - Rüzgar	GCS	Uniform	0,500	1.000	Length		0,000
LF952	B23	Wind	X	0,478	0.000	Rela	From start	0,000
	Wx - Rüzgar	GCS	Uniform	0,489	1.000	Length		0,000
LF953	B11	Wind	X	0,478	0.000	Rela	From start	0,000
	Wx - Rüzgar	GCS	Uniform	0,489	1.000	Length		0,000
LF954	B22	Wind	X	0,466	0.000	Rela	From start	0,000
	Wx - Rüzgar	GCS	Uniform	0,478	1.000	Length		0,000
LF955	B10	Wind	X	0,466	0.000	Rela	From start	0,000
	Wx - Rüzgar	GCS	Uniform	0,478	1.000	Length		0,000
LF956	B21	Wind	X	0,455	0.000	Rela	From start	0,000
	Wx - Rüzgar	GCS	Uniform	0,466	1.000	Length		0,000
LF957	B9	Wind	X	0,455	0.000	Rela	From start	0,000
	Wx - Rüzgar	GCS	Uniform	0,466	1.000	Length		0,000
LF958	B20	Wind	X	0,444	0.000	Rela	From start	0,000
	Wx - Rüzgar	GCS	Uniform	0,455	1.000	Length		0,000
LF959	B8	Wind	X	0,444	0.000	Rela	From start	0,000
	Wx - Rüzgar	GCS	Uniform	0,455	1.000	Length		0,000
LF960	B19	Wind	X	0,432	0.000	Rela	From start	0,000
	Wx - Rüzgar	GCS	Uniform	0,444	1.000	Length		0,000
LF961	B7	Wind	X	0,432	0.000	Rela	From start	0,000
	Wx - Rüzgar	GCS	Uniform	0,444	1.000	Length		0,000
LF962	B18	Wind	X	0,421	0.000	Rela	From start	0,000
	Wx - Rüzgar	GCS	Uniform	0,432	1.000	Length		0,000
LF963	B6	Wind	X	0,421	0.000	Rela	From start	0,000
	Wx - Rüzgar	GCS	Uniform	0,432	1.000	Length		0,000
LF964	B17	Wind	X	0,410	0.000	Rela	From start	0,000
	Wx - Rüzgar	GCS	Uniform	0,421	1.000	Length		0,000
LF965	B5	Wind	X	0,410	0.000	Rela	From start	0,000
	Wx - Rüzgar	GCS	Uniform	0,421	1.000	Length		0,000
LF966	B16	Wind	X	0,398	0.000	Rela	From start	0,000
	Wx - Rüzgar	GCS	Uniform	0,409	1.000	Length		0,000
LF967	B4	Wind	X	0,398	0.000	Rela	From start	0,000
	Wx - Rüzgar	GCS	Uniform	0,409	1.000	Length		0,000
LF968	B15	Wind	X	0,387	0.000	Rela	From start	0,000
	Wx - Rüzgar	GCS	Uniform	0,398	1.000	Length		0,000
LF969	B3	Wind	X	0,387	0.000	Rela	From start	0,000
	Wx - Rüzgar	GCS	Uniform	0,398	1.000	Length		0,000
LF970	B14	Wind	X	0,375	0.000	Rela	From start	0,000
	Wx - Rüzgar	GCS	Uniform	0,387	1.000	Length		0,000
LF971	B2	Wind	X	0,375	0.000	Rela	From start	0,000
	Wx - Rüzgar	GCS	Uniform	0,387	1.000	Length		0,000
LF972	B13	Wind	X	0,364	0.000	Rela	From start	0,000
	Wx - Rüzgar	GCS	Uniform	0,375	1.000	Length		0,000
LF973	B1	Wind	X	0,364	0.000	Rela	From start	0,000
	Wx - Rüzgar	GCS	Uniform	0,375	1.000	Length		0,000
LF974	B12	Force	Y	0,325	0.000	Rela	From start	0,000
	Wy_çalışma - Rüzgar	GCS	Uniform		1.000	Length		0,000
LF975	B11	Force	Y	0,325	0.000	Rela	From start	0,000
	Wy_çalışma - Rüzgar	GCS	Uniform		1.000	Length		0,000
LF976	B36	Force	Y	0,650	0.000	Rela	From start	0,000
	Wy_çalışma - Rüzgar	GCS	Uniform		1.000	Length		0,000
LF977	B35	Force	Y	0,650	0.000	Rela	From start	0,000
	Wy_çalışma - Rüzgar	GCS	Uniform		1.000	Length		0,000
LF978	B60	Force	Y	0,650	0.000	Rela	From start	0,000
	Wy_çalışma - Rüzgar	GCS	Uniform		1.000	Length		0,000
LF979	B59	Force	Y	0,650	0.000	Rela	From start	0,000
	Wy_çalışma - Rüzgar	GCS	Uniform		1.000	Length		0,000
LF980	B84	Force	Y	0,650	0.000	Rela	From start	0,000
	Wy_çalışma - Rüzgar	GCS	Uniform		1.000	Length		0,000
LF981	B83	Force	Y	0,650	0.000	Rela	From start	0,000
	Wy_çalışma - Rüzgar	GCS	Uniform		1.000	Length		0,000
LF982	B108	Force	Y	0,650	0.000	Rela	From start	0,000
	Wy_çalışma - Rüzgar	GCS	Uniform		1.000	Length		0,000

Name	Member	Type	Dir	Value - P ₁ [kN/m]	Pos x ₁	Coor	Orig	Ecc ey
	Load case	System	Distribution	Value - P ₂ [kN/m]	Pos x ₂	Loc		Ecc ez
LF983	B107	Force	Y	0,650	0.000	Rela	From start	0,000
	Wy_çalışma - Rüzgar	GCS	Uniform		1.000	Length		0,000
LF984	B132	Force	Y	0,650	0.000	Rela	From start	0,000
	Wy_çalışma - Rüzgar	GCS	Uniform		1.000	Length		0,000
LF985	B131	Force	Y	0,650	0.000	Rela	From start	0,000
	Wy_çalışma - Rüzgar	GCS	Uniform		1.000	Length		0,000
LF986	B156	Force	Y	0,650	0.000	Rela	From start	0,000
	Wy_çalışma - Rüzgar	GCS	Uniform		1.000	Length		0,000
LF987	B155	Force	Y	0,650	0.000	Rela	From start	0,000
	Wy_çalışma - Rüzgar	GCS	Uniform		1.000	Length		0,000
LF988	B180	Force	Y	0,650	0.000	Rela	From start	0,000
	Wy_çalışma - Rüzgar	GCS	Uniform		1.000	Length		0,000
LF989	B179	Force	Y	0,650	0.000	Rela	From start	0,000
	Wy_çalışma - Rüzgar	GCS	Uniform		1.000	Length		0,000
LF990	B468	Force	Y	0,650	0.000	Rela	From start	0,000
	Wy_çalışma - Rüzgar	GCS	Uniform		1.000	Length		0,000
LF991	B467	Force	Y	0,650	0.000	Rela	From start	0,000
	Wy_çalışma - Rüzgar	GCS	Uniform		1.000	Length		0,000
LF992	B528	Force	Y	0,650	0.000	Rela	From start	0,000
	Wy_çalışma - Rüzgar	GCS	Uniform		1.000	Length		0,000
LF993	B527	Force	Y	0,650	0.000	Rela	From start	0,000
	Wy_çalışma - Rüzgar	GCS	Uniform		1.000	Length		0,000
LF994	B588	Force	Y	0,325	0.000	Rela	From start	0,000
	Wy_çalışma - Rüzgar	GCS	Uniform		1.000	Length		0,000
LF995	B587	Force	Y	0,325	0.000	Rela	From start	0,000
	Wy_çalışma - Rüzgar	GCS	Uniform		1.000	Length		0,000
LF996	B24	Force	X	0,091	0.000	Rela	From start	0,000
	Wx_Çalışma - Rüzgar	GCS	Uniform		1.000	Length		0,000
LF997	B12	Force	X	0,091	0.000	Rela	From start	0,000
	Wx_Çalışma - Rüzgar	GCS	Uniform		1.000	Length		0,000
LF998	B23	Force	X	0,091	0.000	Rela	From start	0,000
	Wx_Çalışma - Rüzgar	GCS	Uniform		1.000	Length		0,000
LF999	B11	Force	X	0,091	0.000	Rela	From start	0,000
	Wx_Çalışma - Rüzgar	GCS	Uniform		1.000	Length		0,000

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15. ANALİZ

Combination key

Name	Description of combinations
1	SW*1,35 +SL*1,50 +Wy_çalışma*0,90
2	SW*1,00 +SL*1,50 +Wx_Çalışma*0,90
3	SW*1,00 +Wx*1,00 +SL1*1,00
4	SW*1,00 +Wy*1,00 +SL1*1,00
5	SW*1,00 +SL*1,00 +Wx_Çalışma*1,00
6	SW*1,00 +Wy*0,90 +SL1*1,50

15.1. Elemanlardaki iç kuvvetler

Linear calculation, Extreme : Global, System : Principal

Selection : All

Class : ULS1

Member	css	dx [mm]	Case	N [kN]	Vy [kN]	Vz [kN]	Mx [kNm]	My [kNm]	Mz [kNm]
C34	DİKME - CFCHS48.3X3	0,000	CO9/1	-15,610	-0,001	0,000	0,000	0,000	0,000
B215	ALT_PROFIL - RHS	200,001	CO5/2	2,510	-0,026	-0,008	-0,001	0,193	0,003
B72	DİKME - CFCHS48.3X3	0,000	CO9/1	-2,014	-3,122	-0,011	0,001	0,000	0,313
B60	DİKME - CFCHS48.3X3	110,000	CO9/1	-2,445	2,540	-0,096	0,009	-0,019	0,128
B263	ALT_PROFIL - RHS	700,000	CO9/1	1,856	0,019	-3,636	-0,001	-0,496	0,001
B551	ALT_PROFIL - RHS	0,000	CO9/1	1,865	0,011	3,626	0,001	-0,491	-0,004
B526	DİKME - CFCHS48.3X3	110,001	CO9/1	-7,732	0,015	0,652	-0,027	-0,014	0,005
B34	DİKME - CFCHS48.3X3	110,001	CO9/1	-7,757	0,015	-0,642	0,027	0,014	0,005
PL201	Platform - General cross-section	1249,990	CO9/1	0,005	0,030	0,000	0,000	1,128	0,025
B468	DİKME - CFCHS48.3X3	0,000	CO5/2	-2,204	2,460	0,069	-0,001	0,000	-0,262
B480	DİKME - CFCHS48.3X3	0,000	CO9/1	-2,014	-3,122	0,012	-0,003	0,000	0,313

15.2. Deplasmanlar - SLS

Linear calculation, Extreme : Global

Selection : All

Class : All SLS

Node	Case	Ux [mm]	Uy [mm]	Uz [mm]
N1280	CO11/3	-0,6	0,0	-0,5
N530	CO11/3	0,8	0,0	0,0
N1289	CO12/4	0,0	-0,4	-1,2
N792	CO12/4	0,0	9,5	0,0
N1244	CO15/5	0,0	0,2	-2,3
N1345	CO12/4	0,0	6,3	0,2

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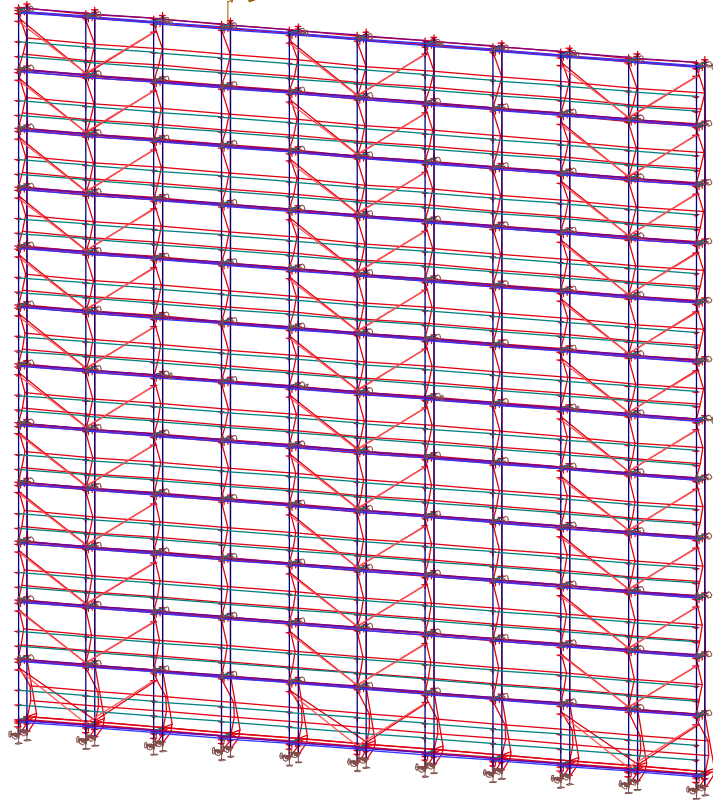
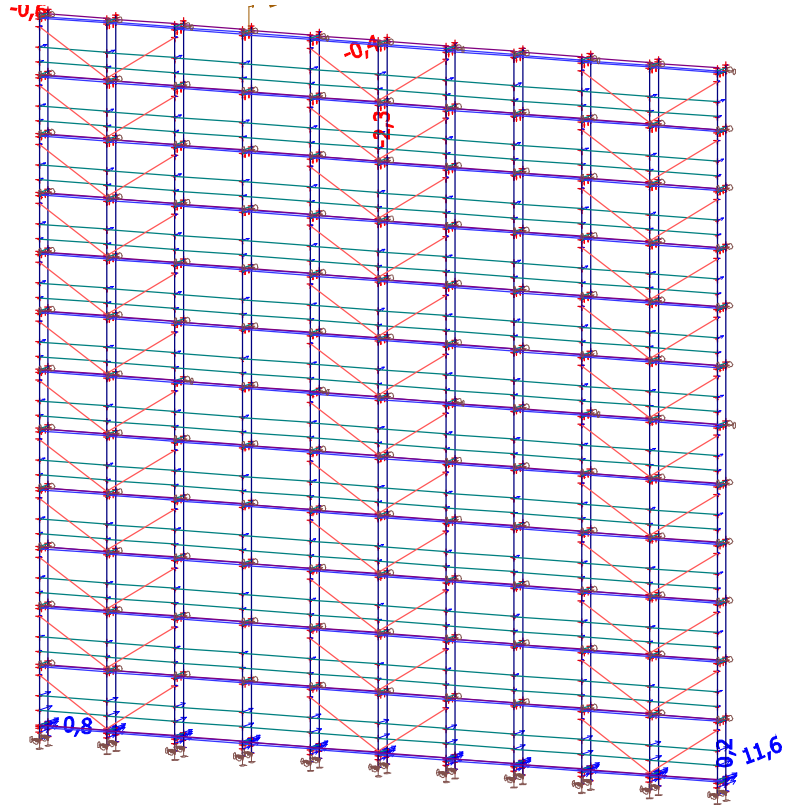
15.3. Deplasmanlar NC-SLS

Nonlinear calculation, Extreme : Global

Selection : All

Class : NC SLS

Node	Case	Ux [mm]	Uy [mm]	Uz [mm]
N1280	NC11	-0,6	0,0	-0,5
N530	NC11	0,8	0,0	0,0
N1289	NC12	0,0	-0,4	-1,2
N795	NC12	0,0	11,6	0,0
N1244	NC15	0,0	0,2	-2,3
N1365	NC12	0,0	9,0	0,2



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16. ÇELİK ELEMANLARIN TASARIMI

Nonlinear calculation, Extreme : Global

Selection : All

Class : NC ULS

Cross-section : DİKME - CFCHS48.3X3

Member B73	2,000 m	CFCHS48.3X3	S 235	NC1	0,75 -
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Partial safety factors		
Gamma M0 for resistance of cross-sections	1,00	
Gamma M1 for resistance to instability	1,00	
Gamma M2 for resistance of net sections	1,25	

Material		
Yield strength fy	235,0	MPa
Ultimate strength fu	360,0	MPa
Fabrication	Rolled	

.....SECTION CHECK:....

The critical check is on position 2.000 m

Internal forces	Calculated	Unit
N,Ed	-5,162	kN
Vy,Ed	2,617	kN
Vz,Ed	0,001	kN
T,Ed	0,000	kNm
My,Ed	0,000	kNm
Mz,Ed	0,997	kNm

Scaffolding check for tubular members

According to EN 12811-1 & DIN 4420 Teil 1 art. 5.4.7.4 and table 7

Table of values		
Npl.d	100,345	kN
Vpl.d	36,882	kN
Mpl.d	1,337	kNm
Unity check N	0,05	
Unity check V	0,08	
Unity check M	0,75	
Unity check Interaction	0,75	
Unity check Max	0,75	-

The member satisfies the section check.

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Nonlinear calculation, Extreme : Global
 Selection : All
 Class : NC ULS
 Cross-section : YATAY - CHS (34,0; 2,5)

Member B1068	2,500 m	CHS (34,0; 2,5)	S 235	NC7	0,03 -
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Partial safety factors		
Gamma M0 for resistance of cross-sections		1,00
Gamma M1 for resistance to instability		1,00
Gamma M2 for resistance of net sections		1,25

Material		
Yield strength fy	235,0	MPa
Ultimate strength fu	360,0	MPa
Fabrication	Rolled	

.....SECTION CHECK:....

The critical check is on position 1.250 m

Internal forces	Calculated	Unit
N,Ed	-0,453	kN
Vy,Ed	0,000	kN
Vz,Ed	0,000	kN
T,Ed	0,000	kNm
My,Ed	0,016	kNm
Mz,Ed	0,000	kNm

Scaffolding check for tubular members

According to EN 12811-1 & DIN 4420 Teil 1 art. 5.4.7.4 and table 7

Table of values		
Npl.d	58,139	kN
Vpl.d	21,369	kN
Mpl.d	0,534	kNm
Unity check N	0,01	
Unity check V	0,00	
Unity check M	0,03	
Unity check Interaction	0,03	
Unity check Max	0,03	-

The member satisfies the section check.

Nonlinear calculation, Extreme : Global
 Selection : All
 Class : NC ULS
 Cross-section : DIAGONAL - CHS (38,0; 2,5)

Member CP134	2,957 m	CHS (38,0; 2,5)	S 235	NC1	0,07 -
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Partial safety factors	
Gamma M0 for resistance of cross-sections	1,00
Gamma M1 for resistance to instability	1,00
Gamma M2 for resistance of net sections	1,25

Material		
Yield strength fy	235,0	MPa
Ultimate strength fu	360,0	MPa
Fabrication	Rolled	

.....SECTION CHECK:....

The critical check is on position 0.000 m

Internal forces	Calculated	Unit
N,Ed	0,130	kN
Vy,Ed	-0,019	kN
Vz,Ed	0,026	kN
T,Ed	-0,025	kNm
My,Ed	0,000	kNm
Mz,Ed	0,046	kNm

Scaffolding check for tubular members

According to EN 12811-1 & DIN 4420 Teil 1 art. 5.4.7.4 and table 7

Table of values		
Npl.d	65,522	kN
Vpl.d	24,083	kN
Mpl.d	0,682	kNm
Unity check N	0,00	
Unity check V	0,00	
Unity check M	0,07	
Unity check Interaction	0,07	
Unity check Max	0,07	-

The member satisfies the section check.

Nonlinear calculation, Extreme : Global
 Selection : All
 Class : NC ULS
 Cross-section : ÜST_PROFIL - RHS (40,0; 50,0; 2,0; 0,1; 0,1)

Member B761	0,700 m	RHS (40,0; 50,0; 2,0; 0,1; 0,1)	S 235	NC8	0,35 -
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Partial safety factors	
Gamma M0 for resistance of cross-sections	1,00
Gamma M1 for resistance to instability	1,00
Gamma M2 for resistance of net sections	1,25

Material		
Yield strength fy	235,0	MPa
Ultimate strength fu	360,0	MPa
Fabrication	Rolled	

....SECTION CHECK:....

Classification for cross-section design

According to EN 1993-1-1 article 5.5.2

Classification of Internal Compression parts

According to EN 1993-1-1 Table 5.2 Sheet 1

Maximum width-to-thickness ratio	22,00
Class 1 Limit	33,00
Class 2 Limit	38,00
Class 3 Limit	42,01

=> Section classified as Class 1 for cross-section design

The critical check is on position 0.000 m

Internal forces	Calculated	Unit
N,Ed	-2,855	kN
Vy,Ed	0,000	kN
Vz,Ed	-0,941	kN
T,Ed	0,000	kNm
My,Ed	0,383	kNm
Mz,Ed	0,000	kNm

Compression check

According to EN 1993-1-1 article 6.2.4 and formula (6.9)

A	3,4400e-04	m ²
Nc,Rd	80,840	kN
Unity check	0,04	-

Bending moment check for My

According to EN 1993-1-1 article 6.2.5 and formula (6.12),(6.13)

Wpl,y	5,0960e-06	m ³
Mpl,y,Rd	1,198	kNm
Unity check	0,32	-

Bending moment check for Mz

According to EN 1993-1-1 article 6.2.5 and formula (6.12),(6.13)

Wpl,z	5,9560e-06	m ³
Mpl,z,Rd	1,400	kNm
Unity check	0,00	-

Shear check for Vy

According to EN 1993-1-1 article 6.2.6 and formula (6.17)

Eta	1,20	
Av	1,9111e-04	m ²
Vpl,y,Rd	25,929	kN
Unity check	0,00	-

Shear check for Vz

According to EN 1993-1-1 article 6.2.6 and formula (6.17)

Eta	1,20	
Av	1,5289e-04	m ²
Vpl,z,Rd	20,744	kN
Unity check	0,05	-

Torsion check

According to EN 1993-1-1 article 6.2.7 and formula (6.23)

Tau,t,Ed	0,0	MPa
Tau,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)

MN,y,Rd	1,198	kNm
Alpha	1,66	
MN,z,Rd	1,400	kNm
Beta	1,66	

Unity check (6.41) = 0,15 + 0,00 = 0,15 -

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: 0,000 m

Classification of Internal Compression parts

According to EN 1993-1-1 Table 5.2 Sheet 1

Maximum width-to-thickness ratio	22,00
Class 1 Limit	33,00
Class 2 Limit	38,00
Class 3 Limit	42,01

=> Section classified as Class 1 for member buckling design

Flexural Buckling check

According to EN 1993-1-1 article 6.3.1.1 and formula (6.46)

Buckling parameters	yy	zz	
Sway type	non-sway	sway	
System length L	0,700	0,700	m
Buckling factor k	0,63	1,41	
Buckling length Lcr	0,441	0,987	m
Critical Euler load Ncr	935,116	265,195	kN
Slenderness Lambda	27,61	51,85	
Relative slenderness Lambda,rel	0,29	0,55	
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: The cross-section concerns a RHS section which is not susceptible to Torsional(-Flexural) Buckling.

Lateral Torsional Buckling check

According to EN 1993-1-1 article 6.3.2.1

Note: The cross-section concerns an RHS section with 'h / b < 10 / Lambda,rel,z'.

This section is thus not susceptible to Lateral Torsional Buckling.

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 1	
Cross-section area A	3,4400e-04	m ²
Cross-section plastic modulus Wpl,y	5,0960e-06	m ³
Cross-section plastic modulus Wpl,z	5,9560e-06	m ³
Design compression force N,Ed	2,855	kN
Design bending moment (maximum) My,Ed	0,383	kNm
Design bending moment (maximum) Mz,Ed	0,000	kNm
Characteristic compression resistance N,Rk	80,840	kN
Characteristic moment resistance My,Rk	1,198	kNm
Characteristic moment resistance Mz,Rk	1,400	kNm
Reduction factor Chi,y	1,00	
Reduction factor Chi,z	1,00	
Reduction factor Chi,LT	1,00	
Interaction factor k,yy	1,00	
Interaction factor k,yz	0,61	
Interaction factor k,zy	0,59	
Interaction factor k,zz	1,01	

Maximum moment My,Ed is derived from beam B761 position 0,000 m.

Maximum moment Mz,Ed is derived from beam B761 position 0,000 m.

Interaction method 1 parameters		
Critical Euler load N,cr,y	935,116	kN
Critical Euler load N,cr,z	265,195	kN
Elastic critical load N,cr,T	20500,555	kN
Cross-section plastic modulus Wpl,y	5,0960e-06	m ³
Cross-section elastic modulus Wel,y	4,3909e-06	m ³
Cross-section plastic modulus Wpl,z	5,9560e-06	m ³

Interaction method 1 parameters		
Cross-section elastic modulus $W_{el,z}$	4,9863e-06	m^3
Second moment of area I_y	8,7818e-08	m^4
Second moment of area I_z	1,2466e-07	m^4
Torsional constant I_t	1,5520e-07	m^4
Method for equivalent moment factor $C_{my,0}$	Table A.2 Line 2 (General)	
Design bending moment (maximum) $M_{y,Ed}$	0,383	kNm
Maximum relative deflection $\delta_{rel,z}$	-0,2	mm
Equivalent moment factor $C_{my,0}$	1,00	
Method for equivalent moment factor $C_{mz,0}$	Table A.2 Line 4 (Line load)	
Equivalent moment factor $C_{mz,0}$	1,00	
Factor $\mu_{y,LT}$	1,00	
Factor $\mu_{z,LT}$	1,00	
Factor $\epsilon_{pl,y}$	10,50	
Factor a_{LT}	0,00	
Critical moment for uniform bending $M_{cr,0}$	81,711	kNm
Relative slenderness $\lambda_{rel,0}$	0,12	
Limit relative slenderness $\lambda_{rel,0,lim}$	0,32	
Equivalent moment factor C_{my}	1,00	
Equivalent moment factor C_{mz}	1,00	
Equivalent moment factor C_{mLT}	1,00	
Factor b_{LT}	0,00	
Factor c_{LT}	0,00	
Factor d_{LT}	0,00	
Factor e_{LT}	0,00	
Factor w_y	1,16	
Factor w_z	1,19	
Factor n_{pl}	0,04	
Maximum relative slenderness $\lambda_{rel,max}$	0,55	
Factor C_{yy}	1,00	
Factor C_{yz}	1,00	
Factor C_{zy}	1,00	
Factor C_{zz}	1,01	

Unity check (6.61) = $0,04 + 0,32 + 0,00 = 0,35$ -

Unity check (6.62) = $0,04 + 0,19 + 0,00 = 0,22$ -

The member satisfies the stability check.

Nonlinear calculation, Extreme : Global
 Selection : All
 Class : NC ULS
 Cross-section : Platform - General cross-section

EN 1993-1-1 Code Check

National annex: Standard EN

Member PL220	2,500 m	General cross-section	S 235	NC10	0,35 -
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Partial safety factors	
Gamma M0 for resistance of cross-sections	1,00
Gamma M1 for resistance to instability	1,00
Gamma M2 for resistance of net sections	1,25

Material		
Yield strength fy	235,0	MPa
Ultimate strength fu	360,0	MPa
Fabrication	Rolled	

Warning: Strength reduction in function of the thickness is not supported for this type of cross-section.

....SECTION CHECK:....

Classification for cross-section design

According to EN 1993-1-1 article 5.5.2

Warning: Classification is not supported for this type of cross-section.

The section is checked as elastic, class 3.

The critical check is on position 1.250 m

Axis definition :

- principal y- axis in this code check is referring to the principal z axis in Scia Engineer
- principal z- axis in this code check is referring to the principal y axis in Scia Engineer

Internal forces	Calculated	Unit
N,Ed	-0,219	kN
Vy,Ed	0,000	kN
Vz,Ed	0,022	kN
T,Ed	0,000	kNm
My,Ed	-0,059	kNm
Mz,Ed	-1,110	kNm

Compression check

According to EN 1993-1-1 article 6.2.4 and formula (6.9)

A	9,0086e-04	m ²
Nc,Rd	211,701	kN
Unity check	0,00	-

Bending moment check for My

According to EN 1993-1-1 article 6.2.5 and formula (6.12),(6.14)

Wel,y,min	8,5247e-05	m ³
Mel,y,Rd	20,033	kNm
Unity check	0,00	-

Bending moment check for Mz

According to EN 1993-1-1 article 6.2.5 and formula (6.12),(6.14)

Wel,z,min	1,3797e-05	m ³
Mel,z,Rd	3,242	kNm
Unity check	0,34	-

Shear check for Vy

According to EN 1993-1-1 article 6.2.6 and formula (6.19)

Tau,Vy,Ed	0,0	MPa
Tau,Rd	135,7	MPa
Unity check	0,00	-

Note: No shear area is given for this section/fabrication, therefore the plastic shear resistance cannot be determined. As a result the elastic shear resistance according to EN 1993-1-1 article 6.2.6(4) is verified.

Shear check for Vz

According to EN 1993-1-1 article 6.2.6 and formula (6.19)

Tau,Vz,Ed	0,1	MPa
Tau,Rd	135,7	MPa
Unity check	0,00	-

Note: No shear area is given for this section/fabrication, therefore the plastic shear resistance cannot be determined. As a result the elastic shear resistance according to EN 1993-1-1 article 6.2.6(4) is verified.

Torsion check

According to EN 1993-1-1 article 6.2.7 and formula (6.23)

Tau,t,Ed	0,5	MPa
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Tau,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(5) and formula (6.1)

Elastic verification		
Fibre	3	
Sigma,N,Ed	0,2	MPa
Sigma,My,Ed	0,6	MPa
Sigma,Mz,Ed	80,4	MPa
Sigma,tot,Ed	81,2	MPa
Tau,Vy,Ed	0,0	MPa
Tau,Vz,Ed	0,0	MPa
Tau,t,Ed	0,4	MPa
Tau,tot,Ed	0,4	MPa
Sigma,von Mises,Ed	81,2	MPa
Unity check	0,35	-

The member satisfies the section check.

.....STABILITY CHECK:....

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	2,500	2,500	m
Buckling factor k	1,61	1,00	
Buckling length Lcr	4,013	2,500	m
Critical Euler load Ncr	1753,691	287,197	kN
Slenderness Lambda	32,63	80,63	
Relative slenderness Lambda,rel	0,35	0,86	
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 Lcr	2,500	m
Elastic critical load Ncr,T	327,812	kN
Elastic critical load Ncr,TF	287,197	kN
Relative slenderness Lambda,rel,T	0,86	
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	
Cross-section elastic modulus Wel,y	8,5247e-05	m ³
Elastic critical moment Mcr	61,456	kNm
Relative slenderness Lambda,rel,LT	0,57	
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).

Mcr parameters		
LTB length L	2,500	m
Influence of load position	no influence	
Correction factor k	1,00	
Correction factor kw	1,00	
LTB moment factor C1	1,45	
LTB moment factor C2	0,00	
LTB moment factor C3	1,00	
Shear center distance d,z	0,0	mm
Distance of load application z,g	0,0	mm
Mono-symmetry constant beta,y	0,0	mm
Mono-symmetry constant z,j	0,0	mm

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 1	
Cross-section area A	9,0086e-04	m ²
Cross-section elastic modulus Wel,y	8,5247e-05	m ³
Cross-section elastic modulus Wel,z	1,3797e-05	m ³
Design compression force N,Ed	0,219	kN
Design bending moment (maximum) My,Ed	-0,088	kNm
Design bending moment (maximum) Mz,Ed	-1,110	kNm
Characteristic compression resistance N,Rk	211,701	kN
Characteristic moment resistance My,Rk	20,033	kNm
Characteristic moment resistance Mz,Rk	3,242	kNm
Reduction factor Chi,y	1,00	
Reduction factor Chi,z	1,00	
Reduction factor Chi,LT	1,00	
Interaction factor k,yy	1,00	
Interaction factor k,yz	1,00	
Interaction factor k,zy	1,00	
Interaction factor k,zz	1,00	

Maximum moment My,Ed is derived from beam PL220 position 0,000 m.

Maximum moment Mz,Ed is derived from beam PL220 position 1,250 m.

Interaction method 1 parameters		
Critical Euler load N,cr,y	1753,691	kN
Critical Euler load N,cr,z	287,197	kN
Elastic critical load N,cr,T	327,812	kN
Cross-section elastic modulus Wel,y	8,5247e-05	m ³
Second moment of area Iy	1,3629e-05	m ⁴
Second moment of area Iz	8,6600e-07	m ⁴
Torsional constant It	6,4080e-10	m ⁴
Method for equivalent moment factor C,my,0	Table A.2 Line 2 (General)	
Design bending moment (maximum) My,Ed	-0,088	kNm
Maximum relative deflection delta,z	0,0	mm
Equivalent moment factor C,my,0	1,00	
Method for equivalent moment factor C,mz,0	Table A.2 Line 4 (Line load)	
Equivalent moment factor C,mz,0	1,00	
Factor mu,y	1,00	
Factor mu,z	1,00	
Factor epsilon,y	4,24	
Factor a,LT	1,00	
Critical moment for uniform bending Mcr,0	42,372	kNm
Relative slenderness Lambda,rel,0	0,69	
Limit relative slenderness Lambda,rel,0,lim	0,24	
Equivalent moment factor C,my	1,00	
Equivalent moment factor C,mz	1,00	
Equivalent moment factor C,mLT	1,00	

Unity check (6.61) = 0,00 + 0,00 + 0,34 = 0,35 -

Unity check (6.62) = 0,00 + 0,00 + 0,34 = 0,35 -

The member satisfies the stability check.

Linear calculation, Extreme : Global

Selection : All

Class : ULS2

Cross-section : ALT_PROFIL - RHS (40,0; 20,0; 2,0; 0,1; 0,1)

EN 1993-1-1 Code Check

National annex: Standard EN

Member B491	0,700 m	RHS (40,0; 20,0; 2,0; 0,1; 0,1)	S 235	CO1/6	0,49 -
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Partial safety factors	
Gamma M0 for resistance of cross-sections	1,00
Gamma M1 for resistance to instability	1,00
Gamma M2 for resistance of net sections	1,25

Material		
Yield strength fy	235,0	MPa
Ultimate strength fu	360,0	MPa
Fabrication	Rolled	

.....SECTION CHECK:.....

Classification for cross-section design

According to EN 1993-1-1 article 5.5.2

Classification of Internal Compression parts

According to EN 1993-1-1 Table 5.2 Sheet 1

Maximum width-to-thickness ratio	17,00
Class 1 Limit	64,26
Class 2 Limit	73,99
Class 3 Limit	104,72

=> Section classified as Class 1 for cross-section design

The critical check is on position 0.000 m

Internal forces	Calculated	Unit
N,Ed	-1,868	kN
Vy,Ed	-0,011	kN
Vz,Ed	1,973	kN
T,Ed	0,002	kNm
My,Ed	-0,298	kNm
Mz,Ed	0,005	kNm

Compression check

According to EN 1993-1-1 article 6.2.4 and formula (6.9)

A	2,2400e-04	m ²
Nc,Rd	52,640	kN
Unity check	0,04	-

Bending moment check for My

According to EN 1993-1-1 article 6.2.5 and formula (6.12),(6.13)

Wpl,y	2,8160e-06	m ³
Mpl,y,Rd	0,662	kNm
Unity check	0,45	-

Bending moment check for Mz

According to EN 1993-1-1 article 6.2.5 and formula (6.12),(6.13)

Wpl,z	1,6960e-06	m ³
Mpl,z,Rd	0,399	kNm
Unity check	0,01	-

Shear check for Vy

According to EN 1993-1-1 article 6.2.6 and formula (6.17)

Eta	1,20	
Av	7,4667e-05	m ²
Vpl,y,Rd	10,131	kN
Unity check	0,00	-

Shear check for Vz

According to EN 1993-1-1 article 6.2.6 and formula (6.17)

Eta	1,20	
Av	1,4933e-04	m ²
Vpl,z,Rd	20,261	kN
Unity check	0,10	-

Torsion check

According to EN 1993-1-1 article 6.2.7 and formula (6.23)

Tau,t,Ed	0,7	MPa
Tau,Rd	135,7	MPa
Unity check	0,01	-

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)

MN,y,Rd	0,662	kNm
Alpha	1,66	
MN,z,Rd	0,399	kNm
Beta	1,66	

Unity check (6.41) = 0,27 + 0,00 = 0,27 -

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: 0,000 m

Classification of Internal Compression parts

According to EN 1993-1-1 Table 5.2 Sheet 1

Maximum width-to-thickness ratio	17,00
Class 1 Limit	64,26
Class 2 Limit	73,99
Class 3 Limit	104,72

=> Section classified as Class 1 for member buckling design

Flexural Buckling check

According to EN 1993-1-1 article 6.3.1.1 and formula (6.46)

Buckling parameters	yy	zz	
Sway type	non-sway	sway	
System length L	0,700	0,200	m
Buckling factor k	0,58	1,46	
Buckling length Lcr	0,409	0,292	m
Critical Euler load Ncr	549,993	349,868	kN
Slenderness Lambda	29,05	36,43	
Relative slenderness Lambda,rel	0,31	0,39	
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: The cross-section concerns a RHS section which is not susceptible to Torsional(-Flexural) Buckling.

Lateral Torsional Buckling check

According to EN 1993-1-1 article 6.3.2.1

Note: The cross-section concerns an RHS section with 'h / b < 10 / Lambda,rel,z'.

This section is thus not susceptible to Lateral Torsional Buckling.

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 1	
Cross-section area A	2,2400e-04	m ²
Cross-section plastic modulus Wpl,y	2,8160e-06	m ³
Cross-section plastic modulus Wpl,z	1,6960e-06	m ³
Design compression force N,Ed	1,868	kN
Design bending moment (maximum) My,Ed	-0,298	kNm
Design bending moment (maximum) Mz,Ed	0,005	kNm
Characteristic compression resistance N,Rk	52,640	kN
Characteristic moment resistance My,Rk	0,662	kNm
Characteristic moment resistance Mz,Rk	0,399	kNm
Reduction factor Chi,y	1,00	
Reduction factor Chi,z	1,00	
Reduction factor Chi,LT	1,00	
Interaction factor k,yy	0,99	
Interaction factor k,yz	0,58	
Interaction factor k,zy	0,61	
Interaction factor k,zz	1,00	

Maximum moment My,Ed is derived from beam B491 position 0,000 m.

Maximum moment Mz,Ed is derived from beam B491 position 0,000 m.

Interaction method 1 parameters		
Critical Euler load N,cr,y	549,993	kN
Critical Euler load N,cr,z	349,868	kN
Elastic critical load N,cr,T	10999,301	kN

Interaction method 1 parameters		
Cross-section plastic modulus $W_{pl,y}$	2,8160e-06	m^3
Cross-section elastic modulus $W_{el,y}$	2,2229e-06	m^3
Cross-section plastic modulus $W_{pl,z}$	1,6960e-06	m^3
Cross-section elastic modulus $W_{el,z}$	1,4378e-06	m^3
Second moment of area I_y	4,4458e-08	m^4
Second moment of area I_z	1,4378e-08	m^4
Torsional constant I_t	3,3717e-08	m^4
Method for equivalent moment factor $C_{my,0}$	Table A.2 Line 2 (General)	
Design bending moment (maximum) $M_{y,Ed}$	-0,298	kNm
Maximum relative deflection $\delta_{a,z}$	-0,4	mm
Equivalent moment factor $C_{my,0}$	1,00	
Method for equivalent moment factor $C_{mz,0}$	Table A.2 Line 2 (General)	
Design bending moment (maximum) $M_{z,Ed}$	0,005	kNm
Maximum relative deflection $\delta_{a,y}$	0,0	mm
Equivalent moment factor $C_{mz,0}$	1,00	
Factor $\mu_{y,0}$	1,00	
Factor $\mu_{z,0}$	1,00	
Factor $\epsilon_{y,0}$	16,08	
Factor a_{LT}	0,24	
Critical moment for uniform bending $M_{cr,0}$	46,394	kNm
Relative slenderness $\lambda_{rel,0}$	0,12	
Limit relative slenderness $\lambda_{rel,0,lim}$	0,29	
Equivalent moment factor C_{my}	1,00	
Equivalent moment factor C_{mz}	1,00	
Equivalent moment factor C_{mLT}	1,00	
Factor b_{LT}	0,00	
Factor c_{LT}	0,00	
Factor d_{LT}	0,00	
Factor e_{LT}	0,18	
Factor w_y	1,27	
Factor w_z	1,18	
Factor n_{pl}	0,04	
Maximum relative slenderness $\lambda_{rel,max}$	0,39	
Factor C_{yy}	1,01	
Factor C_{yz}	1,01	
Factor C_{zy}	1,01	
Factor C_{zz}	1,01	

Unity check (6.61) = $0,04 + 0,45 + 0,01 = 0,49$ -

Unity check (6.62) = $0,04 + 0,28 + 0,01 = 0,32$ -

The member satisfies the stability check.

Nonlinear calculation, Extreme : Global
 Selection : All
 Class : NC ULS
 Cross-section : TOPUKLUK - C (20,0; 2,0; 2,0; 150,0; 2,0; 20,0)

EN 1993-1-1 Code Check

National annex: Standard EN

Member C177	2,500 m	C (20,0; 2,0; 2,0; 150,0; 2,0; 20,0)	S 235	NC5	0,16 -
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Partial safety factors	
Gamma M0 for resistance of cross-sections	1,00
Gamma M1 for resistance to instability	1,00
Gamma M2 for resistance of net sections	1,25

Material		
Yield strength fy	235,0	MPa
Ultimate strength fu	360,0	MPa
Fabrication	Rolled	

Warning: Strength reduction in function of the thickness is not supported for this type of cross-section.

....SECTION CHECK:....

Classification for cross-section design

According to EN 1993-1-1 article 5.5.2

Warning: Classification is not supported for this type of cross-section.
 The section is checked as elastic, class 3.

The critical check is on position 2.500 m

Internal forces	Calculated	Unit
N,Ed	-0,539	kN
Vy,Ed	0,001	kN
Vz,Ed	-0,043	kN
T,Ed	0,000	kNm
My,Ed	0,000	kNm
Mz,Ed	0,000	kNm

Compression check

According to EN 1993-1-1 article 6.2.4 and formula (6.9)

A	4,4400e-04	m ²
Nc,Rd	104,340	kN
Unity check	0,01	-

Bending moment check for Mz

According to EN 1993-1-1 article 6.2.5 and formula (6.12),(6.14)

Wel,z,min	1,6212e-06	m ³
Mel,z,Rd	0,381	kNm
Unity check	0,00	-

Shear check for Vy

According to EN 1993-1-1 article 6.2.6 and formula (6.19)

Tau,Vy,Ed	0,0	MPa
Tau,Rd	135,7	MPa
Unity check	0,00	-

Note: No shear area is given for this section/fabrication, therefore the plastic shear resistance cannot be determined. As a result the elastic shear resistance according to EN 1993-1-1 article 6.2.6(4) is verified.

Shear check for Vz

According to EN 1993-1-1 article 6.2.6 and formula (6.19)

Tau,Vz,Ed	0,2	MPa
Tau,Rd	135,7	MPa
Unity check	0,00	-

Note: No shear area is given for this section/fabrication, therefore the plastic shear resistance cannot be determined. As a result the elastic shear resistance according to EN 1993-1-1 article 6.2.6(4) is verified.

Torsion check

According to EN 1993-1-1 article 6.2.7 and formula (6.23)

Tau,t,Ed	0,0	MPa
Tau,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(5) and formula (6.1)

Elastic verification		
Fibre	2	
Sigma,N,Ed	1,2	MPa
Sigma,My,Ed	0,0	MPa
Sigma,Mz,Ed	0,2	MPa
Sigma,tot,Ed	1,4	MPa
Tau,Vy,Ed	0,0	MPa
Tau,Vz,Ed	0,1	MPa
Tau,t,Ed	0,0	MPa
Tau,tot,Ed	0,1	MPa
Sigma,von Mises,Ed	1,4	MPa
Unity check	0,01	-

The member satisfies the section check.

.....STABILITY CHECK:....

Flexural Buckling check

According to EN 1993-1-1 article 6.3.1.1 and formula (6.46)

Buckling parameters	yy	zz	
Sway type	non-sway	sway	
System length L	2,500	2,500	m
Buckling factor k	1,00	1,35	
Buckling length Lcr	2,500	3,374	m
Critical Euler load Ncr	415,755	4,268	kN
Slenderness Lambda	47,05	464,32	
Relative slenderness Lambda,rel	0,50	4,94	
Limit slenderness Lambda,rel,0	0,20	0,20	
Buckling curve	d	d	
Imperfection Alpha	0,76	0,76	
Reduction factor Chi	0,78	0,04	
Buckling resistance Nb,Rd	81,244	3,702	kN

Flexural Buckling verification		
Cross-section area A	4,4400e-04	m ²
Buckling resistance Nb,Rd	3,702	kN
Unity check	0,15	-

Torsional(-Flexural) Buckling check

According to EN 1993-1-1 article 6.3.1.1 and formula (6.46)

Torsional buckling length Lcr	2,500	m
Elastic critical load Ncr,T	26,786	kN
Elastic critical load Ncr,TF	4,268	kN
Relative slenderness Lambda,rel,T	4,94	
Limit slenderness Lambda,rel,0	0,20	
Buckling curve	d	
Imperfection Alpha	0,76	
Reduction factor Chi	0,04	
Cross-section area A	4,4400e-04	m ²
Buckling resistance Nb,Rd	3,702	kN
Unity check	0,15	-

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 1	
Cross-section area A	4,4400e-04	m ²
Cross-section elastic modulus Wel,y	1,6715e-05	m ³
Cross-section elastic modulus Wel,z	1,6212e-06	m ³
Design compression force N,Ed	0,539	kN
Design bending moment (maximum) My,Ed	0,027	kNm
Design bending moment (maximum) Mz,Ed	-0,002	kNm
Characteristic compression resistance N,Rk	104,340	kN
Characteristic moment resistance My,Rk	3,928	kNm
Characteristic moment resistance Mz,Rk	0,381	kNm
Reduction factor Chi,y	0,78	
Reduction factor Chi,z	0,04	
Reduction factor Chi,LT	1,00	
Interaction factor k,yy	1,08	
Interaction factor k,yz	1,08	
Interaction factor k,zy	0,95	
Interaction factor k,zz	0,95	

Maximum moment My,Ed is derived from beam C177 position 1,250 m.

Maximum moment Mz,Ed is derived from beam C177 position 0,000 m.

Interaction method 1 parameters		
Critical Euler load Ncr,y	415,755	kN
Critical Euler load Ncr,z	4,268	kN
Elastic critical load Ncr,T	26,786	kN

Interaction method 1 parameters		
Cross-section elastic modulus $W_{el,y}$	1,6715e-05	m^3
Second moment of area I_y	1,2537e-06	m^4
Second moment of area I_z	2,3442e-08	m^4
Torsional constant I_t	5,1673e-10	m^4
Method for equivalent moment factor $C_{my,0}$	Table A.2 Line 4 (Line load)	
Equivalent moment factor $C_{my,0}$	1,00	
Method for equivalent moment factor $C_{mz,0}$	Table A.2 Line 2 (General)	
Design bending moment (maximum) $M_{z,Ed}$	-0,002	kNm
Maximum relative deflection $\delta_{a,y}$	0,1	mm
Equivalent moment factor $C_{mz,0}$	0,95	
Factor $\mu_{y,0}$	1,00	
Factor $\mu_{z,0}$	0,88	
Factor $\epsilon_{y,0}$	1,32	
Factor a_{LT}	1,00	
Critical moment for uniform bending $M_{cr,0}$	0,797	kNm
Relative slenderness $\lambda_{rel,0}$	2,22	
Limit relative slenderness $\lambda_{rel,0,lim}$	0,20	
Equivalent moment factor C_{my}	1,00	
Equivalent moment factor C_{mz}	0,95	
Equivalent moment factor C_{mLT}	1,08	

Unity check (6.61) = $0,01 + 0,01 + 0,00 = 0,02$ -

Unity check (6.62) = $0,15 + 0,01 + 0,00 = 0,16$ -

The member satisfies the stability check.

Nonlinear calculation, Extreme : Member

Selection : All

Class : NC ULS

Member	css	mat	Case	dx [mm]	un.check [-]	sec.check [-]	stab.check [-]
B1	DIKME - CFCHS48.3X3	S 235	NC8	2000,000	0,74	0,74	0,00
B2	DIKME - CFCHS48.3X3	S 235	NC8	2000,000	0,54	0,54	0,00
B3	DIKME - CFCHS48.3X3	S 235	NC8	2000,000	0,57	0,57	0,00
B4	DIKME - CFCHS48.3X3	S 235	NC8	2000,000	0,59	0,59	0,00
B5	DIKME - CFCHS48.3X3	S 235	NC1	2000,000	0,61	0,61	0,00
B6	DIKME - CFCHS48.3X3	S 235	NC8	2000,000	0,62	0,62	0,00
B7	DIKME - CFCHS48.3X3	S 235	NC1	2000,000	0,64	0,64	0,00
B8	DIKME - CFCHS48.3X3	S 235	NC1	2000,000	0,66	0,66	0,00
B9	DIKME - CFCHS48.3X3	S 235	NC1	2000,000	0,67	0,67	0,00
B10	DIKME - CFCHS48.3X3	S 235	NC1	2000,000	0,69	0,69	0,00
B11	DIKME - CFCHS48.3X3	S 235	NC1	2000,000	0,71	0,71	0,00
B12	DIKME - CFCHS48.3X3	S 235	NC1	110,000	0,66	0,66	0,00
B13	DIKME - CFCHS48.3X3	S 235	NC8	50,000	0,40	0,40	0,00
B14	DIKME - CFCHS48.3X3	S 235	NC8	0,000	0,24	0,24	0,00
B15	DIKME - CFCHS48.3X3	S 235	NC8	0,000	0,13	0,13	0,00
B16	DIKME - CFCHS48.3X3	S 235	NC8	0,000	0,14	0,14	0,00
B17	DIKME - CFCHS48.3X3	S 235	NC8	0,000	0,15	0,15	0,00
B18	DIKME - CFCHS48.3X3	S 235	NC1	0,000	0,15	0,15	0,00
B19	DIKME - CFCHS48.3X3	S 235	NC8	0,000	0,16	0,16	0,00
B20	DIKME - CFCHS48.3X3	S 235	NC1	0,000	0,16	0,16	0,00
B21	DIKME - CFCHS48.3X3	S 235	NC1	0,000	0,16	0,16	0,00
B22	DIKME - CFCHS48.3X3	S 235	NC8	0,000	0,17	0,17	0,00
B23	DIKME - CFCHS48.3X3	S 235	NC8	0,000	0,17	0,17	0,00
B24	DIKME - CFCHS48.3X3	S 235	NC8	0,000	0,23	0,23	0,00
B25	DIKME - CFCHS48.3X3	S 235	NC8	2000,000	0,74	0,74	0,00
B26	DIKME - CFCHS48.3X3	S 235	NC8	2000,000	0,55	0,55	0,00
B27	DIKME - CFCHS48.3X3	S 235	NC1	2000,000	0,58	0,58	0,00
B28	DIKME - CFCHS48.3X3	S 235	NC1	2000,000	0,59	0,59	0,00
B29	DIKME - CFCHS48.3X3	S 235	NC8	2000,000	0,61	0,61	0,00
B30	DIKME - CFCHS48.3X3	S 235	NC8	2000,000	0,63	0,63	0,00
B31	DIKME - CFCHS48.3X3	S 235	NC1	2000,000	0,64	0,64	0,00
B32	DIKME - CFCHS48.3X3	S 235	NC8	2000,000	0,66	0,66	0,00
B33	DIKME - CFCHS48.3X3	S 235	NC8	2000,000	0,67	0,67	0,00
B34	DIKME - CFCHS48.3X3	S 235	NC8	2000,000	0,69	0,69	0,00
B35	DIKME - CFCHS48.3X3	S 235	NC1	2000,000	0,72	0,72	0,00
B36	DIKME - CFCHS48.3X3	S 235	NC8	110,000	0,66	0,66	0,00
B37	DIKME - CFCHS48.3X3	S 235	NC1	50,000	0,41	0,41	0,00
B38	DIKME - CFCHS48.3X3	S 235	NC8	0,000	0,24	0,24	0,00
B39	DIKME - CFCHS48.3X3	S 235	NC8	0,000	0,14	0,14	0,00
B40	DIKME - CFCHS48.3X3	S 235	NC1	0,000	0,15	0,15	0,00
B41	DIKME - CFCHS48.3X3	S 235	NC1	0,000	0,15	0,15	0,00
B42	DIKME - CFCHS48.3X3	S 235	NC8	0,000	0,16	0,16	0,00
B43	DIKME - CFCHS48.3X3	S 235	NC8	0,000	0,16	0,16	0,00
B44	DIKME - CFCHS48.3X3	S 235	NC8	0,000	0,16	0,16	0,00
B45	DIKME - CFCHS48.3X3	S 235	NC1	0,000	0,17	0,17	0,00
B46	DIKME - CFCHS48.3X3	S 235	NC1	0,000	0,17	0,17	0,00
B47	DIKME - CFCHS48.3X3	S 235	NC1	0,000	0,18	0,18	0,00
B48	DIKME - CFCHS48.3X3	S 235	NC8	0,000	0,29	0,29	0,00
B49	DIKME - CFCHS48.3X3	S 235	NC8	2000,000	0,73	0,73	0,00
B50	DIKME - CFCHS48.3X3	S 235	NC8	2000,000	0,54	0,54	0,00
B51	DIKME - CFCHS48.3X3	S 235	NC8	2000,000	0,57	0,57	0,00
B52	DIKME - CFCHS48.3X3	S 235	NC1	2000,000	0,59	0,59	0,00
B53	DIKME - CFCHS48.3X3	S 235	NC1	2000,000	0,61	0,61	0,00
B54	DIKME - CFCHS48.3X3	S 235	NC8	2000,000	0,63	0,63	0,00
B55	DIKME - CFCHS48.3X3	S 235	NC8	2000,000	0,64	0,64	0,00
B56	DIKME - CFCHS48.3X3	S 235	NC1	2000,000	0,66	0,66	0,00
B57	DIKME - CFCHS48.3X3	S 235	NC8	2000,000	0,67	0,67	0,00
B58	DIKME - CFCHS48.3X3	S 235	NC8	2000,000	0,69	0,69	0,00
B59	DIKME - CFCHS48.3X3	S 235	NC8	2000,000	0,71	0,71	0,00
B60	DIKME - CFCHS48.3X3	S 235	NC1	110,000	0,66	0,66	0,00
B61	DIKME - CFCHS48.3X3	S 235	NC1	50,000	0,41	0,41	0,00
B62	DIKME - CFCHS48.3X3	S 235	NC1	0,000	0,24	0,24	0,00
B63	DIKME - CFCHS48.3X3	S 235	NC8	0,000	0,14	0,14	0,00
B64	DIKME - CFCHS48.3X3	S 235	NC8	0,000	0,15	0,15	0,00
B65	DIKME - CFCHS48.3X3	S 235	NC1	0,000	0,15	0,15	0,00
B66	DIKME - CFCHS48.3X3	S 235	NC1	0,000	0,16	0,16	0,00
B67	DIKME - CFCHS48.3X3	S 235	NC1	0,000	0,16	0,16	0,00
B68	DIKME - CFCHS48.3X3	S 235	NC1	0,000	0,16	0,16	0,00
B69	DIKME - CFCHS48.3X3	S 235	NC8	0,000	0,17	0,17	0,00
B70	DIKME - CFCHS48.3X3	S 235	NC8	0,000	0,17	0,17	0,00
B71	DIKME - CFCHS48.3X3	S 235	NC1	0,000	0,18	0,18	0,00
B72	DIKME - CFCHS48.3X3	S 235	NC8	0,000	0,28	0,28	0,00
B73	DIKME - CFCHS48.3X3	S 235	NC1	2000,000	0,75	0,75	0,00

Member	css	mat	Case	dx [mm]	un.check [-]	sec.check [-]	stab.check [-]
B74	DIKME - CFCHS48.3X3	S 235	NC8	2000,000	0,55	0,55	0,00
B75	DIKME - CFCHS48.3X3	S 235	NC8	2000,000	0,59	0,59	0,00
B76	DIKME - CFCHS48.3X3	S 235	NC1	2000,000	0,60	0,60	0,00
B77	DIKME - CFCHS48.3X3	S 235	NC8	2000,000	0,62	0,62	0,00
B78	DIKME - CFCHS48.3X3	S 235	NC8	2000,000	0,64	0,64	0,00
B79	DIKME - CFCHS48.3X3	S 235	NC1	2000,000	0,65	0,65	0,00
B80	DIKME - CFCHS48.3X3	S 235	NC1	2000,000	0,67	0,67	0,00
B81	DIKME - CFCHS48.3X3	S 235	NC1	2000,000	0,68	0,68	0,00
B82	DIKME - CFCHS48.3X3	S 235	NC8	2000,000	0,70	0,70	0,00
B83	DIKME - CFCHS48.3X3	S 235	NC1	2000,000	0,73	0,73	0,00
B84	DIKME - CFCHS48.3X3	S 235	NC8	110,000	0,67	0,67	0,00
B85	DIKME - CFCHS48.3X3	S 235	NC1	50,000	0,42	0,42	0,00
B86	DIKME - CFCHS48.3X3	S 235	NC8	0,000	0,24	0,24	0,00
B87	DIKME - CFCHS48.3X3	S 235	NC1	0,000	0,14	0,14	0,00
B88	DIKME - CFCHS48.3X3	S 235	NC8	0,000	0,15	0,15	0,00
B89	DIKME - CFCHS48.3X3	S 235	NC1	0,000	0,15	0,15	0,00
B90	DIKME - CFCHS48.3X3	S 235	NC8	0,000	0,16	0,16	0,00
B91	DIKME - CFCHS48.3X3	S 235	NC1	0,000	0,16	0,16	0,00
B92	DIKME - CFCHS48.3X3	S 235	NC1	0,000	0,16	0,16	0,00
B93	DIKME - CFCHS48.3X3	S 235	NC1	0,000	0,17	0,17	0,00
B94	DIKME - CFCHS48.3X3	S 235	NC8	0,000	0,17	0,17	0,00
B95	DIKME - CFCHS48.3X3	S 235	NC1	0,000	0,18	0,18	0,00
B96	DIKME - CFCHS48.3X3	S 235	NC1	0,000	0,29	0,29	0,00
B97	DIKME - CFCHS48.3X3	S 235	NC1	2000,000	0,73	0,73	0,00
B98	DIKME - CFCHS48.3X3	S 235	NC1	2000,000	0,54	0,54	0,00
B99	DIKME - CFCHS48.3X3	S 235	NC1	2000,000	0,57	0,57	0,00
B100	DIKME - CFCHS48.3X3	S 235	NC1	2000,000	0,59	0,59	0,00
B101	DIKME - CFCHS48.3X3	S 235	NC8	2000,000	0,61	0,61	0,00
B102	DIKME - CFCHS48.3X3	S 235	NC8	2000,000	0,63	0,63	0,00
B103	DIKME - CFCHS48.3X3	S 235	NC8	2000,000	0,64	0,64	0,00
B104	DIKME - CFCHS48.3X3	S 235	NC1	2000,000	0,66	0,66	0,00
B105	DIKME - CFCHS48.3X3	S 235	NC8	2000,000	0,67	0,67	0,00
B106	DIKME - CFCHS48.3X3	S 235	NC8	2000,000	0,69	0,69	0,00
B107	DIKME - CFCHS48.3X3	S 235	NC1	2000,000	0,71	0,71	0,00
B108	DIKME - CFCHS48.3X3	S 235	NC1	110,000	0,66	0,66	0,00
B109	DIKME - CFCHS48.3X3	S 235	NC8	50,000	0,41	0,41	0,00
B110	DIKME - CFCHS48.3X3	S 235	NC1	0,000	0,24	0,24	0,00
B111	DIKME - CFCHS48.3X3	S 235	NC1	0,000	0,14	0,14	0,00
B112	DIKME - CFCHS48.3X3	S 235	NC1	0,000	0,15	0,15	0,00
B113	DIKME - CFCHS48.3X3	S 235	NC1	0,000	0,15	0,15	0,00
B114	DIKME - CFCHS48.3X3	S 235	NC8	0,000	0,16	0,16	0,00
B115	DIKME - CFCHS48.3X3	S 235	NC1	0,000	0,16	0,16	0,00
B116	DIKME - CFCHS48.3X3	S 235	NC1	0,000	0,16	0,16	0,00
B117	DIKME - CFCHS48.3X3	S 235	NC8	0,000	0,17	0,17	0,00
B118	DIKME - CFCHS48.3X3	S 235	NC8	0,000	0,17	0,17	0,00
B119	DIKME - CFCHS48.3X3	S 235	NC1	0,000	0,18	0,18	0,00
B120	DIKME - CFCHS48.3X3	S 235	NC8	0,000	0,28	0,28	0,00
B121	DIKME - CFCHS48.3X3	S 235	NC8	2000,000	0,74	0,74	0,00
B122	DIKME - CFCHS48.3X3	S 235	NC8	2000,000	0,55	0,55	0,00
B123	DIKME - CFCHS48.3X3	S 235	NC8	2000,000	0,58	0,58	0,00
B124	DIKME - CFCHS48.3X3	S 235	NC8	2000,000	0,59	0,59	0,00
B125	DIKME - CFCHS48.3X3	S 235	NC8	2000,000	0,61	0,61	0,00
B126	DIKME - CFCHS48.3X3	S 235	NC8	2000,000	0,62	0,62	0,00
B127	DIKME - CFCHS48.3X3	S 235	NC8	2000,000	0,64	0,64	0,00
B128	DIKME - CFCHS48.3X3	S 235	NC8	2000,000	0,66	0,66	0,00
B129	DIKME - CFCHS48.3X3	S 235	NC1	2000,000	0,67	0,67	0,00
B130	DIKME - CFCHS48.3X3	S 235	NC1	2000,000	0,69	0,69	0,00
B131	DIKME - CFCHS48.3X3	S 235	NC1	2000,000	0,71	0,71	0,00
B132	DIKME - CFCHS48.3X3	S 235	NC1	110,000	0,66	0,66	0,00
B133	DIKME - CFCHS48.3X3	S 235	NC8	50,000	0,40	0,40	0,00
B134	DIKME - CFCHS48.3X3	S 235	NC8	0,000	0,24	0,24	0,00
B135	DIKME - CFCHS48.3X3	S 235	NC8	0,000	0,14	0,14	0,00
B136	DIKME - CFCHS48.3X3	S 235	NC8	0,000	0,15	0,15	0,00
B137	DIKME - CFCHS48.3X3	S 235	NC8	0,000	0,15	0,15	0,00
B138	DIKME - CFCHS48.3X3	S 235	NC1	0,000	0,16	0,16	0,00
B139	DIKME - CFCHS48.3X3	S 235	NC1	0,000	0,16	0,16	0,00
B140	DIKME - CFCHS48.3X3	S 235	NC1	0,000	0,16	0,16	0,00
B141	DIKME - CFCHS48.3X3	S 235	NC1	0,000	0,17	0,17	0,00
B142	DIKME - CFCHS48.3X3	S 235	NC8	0,000	0,17	0,17	0,00
B143	DIKME - CFCHS48.3X3	S 235	NC8	0,000	0,18	0,18	0,00
B144	DIKME - CFCHS48.3X3	S 235	NC8	0,000	0,29	0,29	0,00
B145	DIKME - CFCHS48.3X3	S 235	NC1	2000,000	0,73	0,73	0,00
B146	DIKME - CFCHS48.3X3	S 235	NC1	2000,000	0,54	0,54	0,00
B147	DIKME - CFCHS48.3X3	S 235	NC1	2000,000	0,57	0,57	0,00
B148	DIKME - CFCHS48.3X3	S 235	NC8	2000,000	0,59	0,59	0,00
B149	DIKME - CFCHS48.3X3	S 235	NC8	2000,000	0,61	0,61	0,00

Member	css	mat	Case	dx [mm]	un.check [-]	sec.check [-]	stab.check [-]
B150	DIKME - CFCHS48.3X3	S 235	NC8	2000,000	0,63	0,63	0,00
B151	DIKME - CFCHS48.3X3	S 235	NC1	2000,000	0,64	0,64	0,00
B152	DIKME - CFCHS48.3X3	S 235	NC8	2000,000	0,66	0,66	0,00
B153	DIKME - CFCHS48.3X3	S 235	NC1	2000,000	0,67	0,67	0,00
B154	DIKME - CFCHS48.3X3	S 235	NC1	2000,000	0,69	0,69	0,00
B155	DIKME - CFCHS48.3X3	S 235	NC1	2000,000	0,71	0,71	0,00
B156	DIKME - CFCHS48.3X3	S 235	NC1	110,000	0,66	0,66	0,00
B157	DIKME - CFCHS48.3X3	S 235	NC1	50,000	0,41	0,41	0,00
B158	DIKME - CFCHS48.3X3	S 235	NC8	0,000	0,24	0,24	0,00
B159	DIKME - CFCHS48.3X3	S 235	NC8	0,000	0,14	0,14	0,00
B160	DIKME - CFCHS48.3X3	S 235	NC8	0,000	0,15	0,15	0,00
B161	DIKME - CFCHS48.3X3	S 235	NC1	0,000	0,15	0,15	0,00
B162	DIKME - CFCHS48.3X3	S 235	NC8	0,000	0,16	0,16	0,00
B163	DIKME - CFCHS48.3X3	S 235	NC8	0,000	0,16	0,16	0,00
B164	DIKME - CFCHS48.3X3	S 235	NC8	0,000	0,16	0,16	0,00
B165	DIKME - CFCHS48.3X3	S 235	NC1	0,000	0,17	0,17	0,00
B166	DIKME - CFCHS48.3X3	S 235	NC8	0,000	0,17	0,17	0,00
B167	DIKME - CFCHS48.3X3	S 235	NC1	0,000	0,18	0,18	0,00
B168	DIKME - CFCHS48.3X3	S 235	NC1	0,000	0,28	0,28	0,00
B169	DIKME - CFCHS48.3X3	S 235	NC1	2000,000	0,75	0,75	0,00
B170	DIKME - CFCHS48.3X3	S 235	NC8	2000,000	0,55	0,55	0,00
B171	DIKME - CFCHS48.3X3	S 235	NC1	2000,000	0,59	0,59	0,00
B172	DIKME - CFCHS48.3X3	S 235	NC8	2000,000	0,60	0,60	0,00
B173	DIKME - CFCHS48.3X3	S 235	NC1	2000,000	0,62	0,62	0,00
B174	DIKME - CFCHS48.3X3	S 235	NC1	2000,000	0,64	0,64	0,00
B175	DIKME - CFCHS48.3X3	S 235	NC8	2000,000	0,65	0,65	0,00
B176	DIKME - CFCHS48.3X3	S 235	NC8	2000,000	0,67	0,67	0,00
B177	DIKME - CFCHS48.3X3	S 235	NC1	2000,000	0,68	0,68	0,00
B178	DIKME - CFCHS48.3X3	S 235	NC8	2000,000	0,70	0,70	0,00
B179	DIKME - CFCHS48.3X3	S 235	NC8	2000,000	0,73	0,73	0,00
B180	DIKME - CFCHS48.3X3	S 235	NC1	110,000	0,67	0,67	0,00
B181	DIKME - CFCHS48.3X3	S 235	NC1	50,000	0,42	0,42	0,00
B182	DIKME - CFCHS48.3X3	S 235	NC1	0,000	0,24	0,24	0,00
B183	DIKME - CFCHS48.3X3	S 235	NC1	0,000	0,14	0,14	0,00
B184	DIKME - CFCHS48.3X3	S 235	NC8	0,000	0,15	0,15	0,00
B185	DIKME - CFCHS48.3X3	S 235	NC1	0,000	0,15	0,15	0,00
B186	DIKME - CFCHS48.3X3	S 235	NC8	0,000	0,16	0,16	0,00
B187	DIKME - CFCHS48.3X3	S 235	NC1	0,000	0,16	0,16	0,00
B188	DIKME - CFCHS48.3X3	S 235	NC8	0,000	0,16	0,16	0,00
B189	DIKME - CFCHS48.3X3	S 235	NC8	0,000	0,17	0,17	0,00
B190	DIKME - CFCHS48.3X3	S 235	NC8	0,000	0,17	0,17	0,00
B191	DIKME - CFCHS48.3X3	S 235	NC1	0,000	0,18	0,18	0,00
B192	DIKME - CFCHS48.3X3	S 235	NC8	0,000	0,29	0,29	0,00
B193	ALT_PROFIL - RHS	S 235	NC8	0,000	0,32	0,24	0,32
B194	ALT_PROFIL - RHS	S 235	NC1	0,000	0,13	0,07	0,13
B195	ALT_PROFIL - RHS	S 235	NC8	0,000	0,14	0,09	0,14
B196	ALT_PROFIL - RHS	S 235	NC1	0,000	0,15	0,09	0,15
B197	ALT_PROFIL - RHS	S 235	NC1	0,000	0,15	0,09	0,15
B198	ALT_PROFIL - RHS	S 235	NC1	0,000	0,15	0,10	0,15
B199	ALT_PROFIL - RHS	S 235	NC8	0,000	0,16	0,10	0,16
B200	ALT_PROFIL - RHS	S 235	NC1	0,000	0,16	0,10	0,16
B201	ALT_PROFIL - RHS	S 235	NC8	0,000	0,16	0,10	0,16
B202	ALT_PROFIL - RHS	S 235	NC9	700,000	0,23	0,23	0,23
B203	ALT_PROFIL - RHS	S 235	NC3	700,000	0,39	0,39	0,37
B204	ALT_PROFIL - RHS	S 235	NC1	0,000	0,39	0,31	0,39
B205	ALT_PROFIL - RHS	S 235	NC8	0,000	0,30	0,25	0,30
B206	ALT_PROFIL - RHS	S 235	NC8	0,000	0,14	0,09	0,14
B207	ALT_PROFIL - RHS	S 235	NC1	0,000	0,15	0,10	0,15
B208	ALT_PROFIL - RHS	S 235	NC8	0,000	0,15	0,10	0,15
B209	ALT_PROFIL - RHS	S 235	NC1	0,000	0,16	0,11	0,16
B210	ALT_PROFIL - RHS	S 235	NC1	500,000	0,16	0,05	0,16
B211	ALT_PROFIL - RHS	S 235	NC1	500,000	0,16	0,05	0,16
B212	ALT_PROFIL - RHS	S 235	NC1	500,000	0,16	0,05	0,16
B213	ALT_PROFIL - RHS	S 235	NC8	0,000	0,17	0,11	0,17
B214	ALT_PROFIL - RHS	S 235	NC4	700,000	0,42	0,42	0,39
B215	ALT_PROFIL - RHS	S 235	NC9	0,000	0,73	0,73	0,71
B216	ALT_PROFIL - RHS	S 235	NC9	0,000	0,43	0,43	0,43
B217	ALT_PROFIL - RHS	S 235	NC8	0,000	0,32	0,25	0,32
B218	ALT_PROFIL - RHS	S 235	NC1	0,000	0,14	0,09	0,14
B219	ALT_PROFIL - RHS	S 235	NC1	0,000	0,16	0,11	0,16
B220	ALT_PROFIL - RHS	S 235	NC8	0,000	0,16	0,11	0,16
B221	ALT_PROFIL - RHS	S 235	NC1	0,000	0,17	0,11	0,17
B222	ALT_PROFIL - RHS	S 235	NC1	0,000	0,17	0,12	0,17
B223	ALT_PROFIL - RHS	S 235	NC8	0,000	0,17	0,12	0,17
B224	ALT_PROFIL - RHS	S 235	NC8	0,000	0,18	0,12	0,18
B225	ALT_PROFIL - RHS	S 235	NC8	0,000	0,18	0,12	0,18

Member	css	mat	Case	dx [mm]	un.check [-]	sec.check [-]	stab.check [-]
B226	ALT_PROFIL - RHS	S 235	NC9	700,000	0,42	0,42	0,40
B227	ALT_PROFIL - RHS	S 235	NC4	0,000	0,73	0,73	0,70
B228	ALT_PROFIL - RHS	S 235	NC4	0,000	0,43	0,43	0,42
B229	ALT_PROFIL - RHS	S 235	NC8	0,000	0,30	0,25	0,30
B230	ALT_PROFIL - RHS	S 235	NC8	0,000	0,14	0,09	0,14
B231	ALT_PROFIL - RHS	S 235	NC1	0,000	0,15	0,11	0,15
B232	ALT_PROFIL - RHS	S 235	NC1	0,000	0,16	0,11	0,16
B233	ALT_PROFIL - RHS	S 235	NC1	500,000	0,16	0,05	0,16
B234	ALT_PROFIL - RHS	S 235	NC8	500,000	0,17	0,05	0,17
B235	ALT_PROFIL - RHS	S 235	NC8	500,000	0,17	0,05	0,17
B236	ALT_PROFIL - RHS	S 235	NC1	500,000	0,17	0,05	0,17
B237	ALT_PROFIL - RHS	S 235	NC1	500,000	0,17	0,06	0,17
B238	ALT_PROFIL - RHS	S 235	NC4	700,000	0,43	0,43	0,40
B239	ALT_PROFIL - RHS	S 235	NC3	700,000	0,73	0,73	0,69
B240	ALT_PROFIL - RHS	S 235	NC4	0,000	0,43	0,43	0,42
B241	ALT_PROFIL - RHS	S 235	NC8	0,000	0,32	0,25	0,32
B242	ALT_PROFIL - RHS	S 235	NC8	0,000	0,15	0,09	0,15
B243	ALT_PROFIL - RHS	S 235	NC1	0,000	0,16	0,11	0,16
B244	ALT_PROFIL - RHS	S 235	NC8	0,000	0,16	0,11	0,16
B245	ALT_PROFIL - RHS	S 235	NC1	0,000	0,17	0,11	0,17
B246	ALT_PROFIL - RHS	S 235	NC1	0,000	0,17	0,12	0,17
B247	ALT_PROFIL - RHS	S 235	NC1	0,000	0,17	0,12	0,17
B248	ALT_PROFIL - RHS	S 235	NC1	0,000	0,17	0,12	0,17
B249	ALT_PROFIL - RHS	S 235	NC1	0,000	0,18	0,12	0,18
B250	ALT_PROFIL - RHS	S 235	NC9	700,000	0,43	0,43	0,40
B251	ALT_PROFIL - RHS	S 235	NC10	700,000	0,74	0,74	0,69
B252	ALT_PROFIL - RHS	S 235	NC4	0,000	0,43	0,43	0,42
B253	ALT_PROFIL - RHS	S 235	NC8	700,000	0,29	0,15	0,29
B254	ALT_PROFIL - RHS	S 235	NC8	500,000	0,13	0,05	0,13
B255	ALT_PROFIL - RHS	S 235	NC1	500,000	0,15	0,05	0,15
B256	ALT_PROFIL - RHS	S 235	NC1	500,000	0,15	0,05	0,15
B257	ALT_PROFIL - RHS	S 235	NC8	500,000	0,15	0,05	0,15
B258	ALT_PROFIL - RHS	S 235	NC8	500,000	0,16	0,05	0,16
B259	ALT_PROFIL - RHS	S 235	NC1	500,000	0,16	0,05	0,16
B260	ALT_PROFIL - RHS	S 235	NC8	500,000	0,16	0,06	0,16
B261	ALT_PROFIL - RHS	S 235	NC8	500,000	0,16	0,06	0,16
B262	ALT_PROFIL - RHS	S 235	NC4	700,000	0,43	0,43	0,41
B263	ALT_PROFIL - RHS	S 235	NC5	700,000	0,74	0,74	0,70
B264	ALT_PROFIL - RHS	S 235	NC4	0,000	0,42	0,42	0,41
B265	ALT_PROFIL - RHS	S 235	NC1	0,000	0,32	0,25	0,32
B266	ALT_PROFIL - RHS	S 235	NC8	0,000	0,14	0,09	0,14
B267	ALT_PROFIL - RHS	S 235	NC1	0,000	0,16	0,11	0,16
B268	ALT_PROFIL - RHS	S 235	NC8	0,000	0,16	0,11	0,16
B269	ALT_PROFIL - RHS	S 235	NC8	0,000	0,17	0,11	0,17
B270	ALT_PROFIL - RHS	S 235	NC8	0,000	0,17	0,12	0,17
B271	ALT_PROFIL - RHS	S 235	NC8	0,000	0,17	0,12	0,17
B272	ALT_PROFIL - RHS	S 235	NC1	0,000	0,18	0,12	0,18
B273	ALT_PROFIL - RHS	S 235	NC1	0,000	0,18	0,12	0,18
B274	ALT_PROFIL - RHS	S 235	NC9	700,000	0,43	0,43	0,40
B275	ALT_PROFIL - RHS	S 235	NC3	700,000	0,74	0,74	0,69
B276	ALT_PROFIL - RHS	S 235	NC9	0,000	0,43	0,43	0,42
B277	ALT_PROFIL - RHS	S 235	NC8	700,000	0,30	0,15	0,30
B278	ALT_PROFIL - RHS	S 235	NC1	500,000	0,14	0,04	0,14
B279	ALT_PROFIL - RHS	S 235	NC8	500,000	0,15	0,05	0,15
B280	ALT_PROFIL - RHS	S 235	NC8	500,000	0,16	0,05	0,16
B281	ALT_PROFIL - RHS	S 235	NC8	500,000	0,16	0,05	0,16
B282	ALT_PROFIL - RHS	S 235	NC8	500,000	0,17	0,05	0,17
B283	ALT_PROFIL - RHS	S 235	NC8	500,000	0,17	0,05	0,17
B284	ALT_PROFIL - RHS	S 235	NC1	500,000	0,17	0,05	0,17
B285	ALT_PROFIL - RHS	S 235	NC1	500,000	0,17	0,06	0,17
B286	ALT_PROFIL - RHS	S 235	NC9	700,000	0,43	0,43	0,40
B287	ALT_PROFIL - RHS	S 235	NC3	700,000	0,73	0,73	0,69
B288	ALT_PROFIL - RHS	S 235	NC9	0,000	0,43	0,43	0,42
B289	YATAY - CHS	S 235	NC2	1249,990	0,03	0,03	0,00
B290	YATAY - CHS	S 235	NC7	1249,990	0,03	0,03	0,00
B291	YATAY - CHS	S 235	NC2	1249,990	0,03	0,03	0,00
B292	YATAY - CHS	S 235	NC2	1249,990	0,03	0,03	0,00
B293	YATAY - CHS	S 235	NC2	1249,990	0,03	0,03	0,00
B294	YATAY - CHS	S 235	NC7	1249,990	0,03	0,03	0,00
B295	YATAY - CHS	S 235	NC7	1249,990	0,03	0,03	0,00
B296	YATAY - CHS	S 235	NC7	1249,990	0,03	0,03	0,00
B297	YATAY - CHS	S 235	NC7	1249,990	0,03	0,03	0,00
B298	YATAY - CHS	S 235	NC7	1249,990	0,03	0,03	0,00
B299	YATAY - CHS	S 235	NC7	1249,990	0,03	0,03	0,00
B300	YATAY - CHS	S 235	NC2	1249,990	0,03	0,03	0,00
B301	YATAY - CHS	S 235	NC7	1249,990	0,03	0,03	0,00

Member	css	mat	Case	dx [mm]	un.check [-]	sec.check [-]	stab.check [-]
B302	YATAY - CHS	S 235	NC7	1249,990	0,03	0,03	0,00
B457	DİKME - CFCHS48.3X3	S 235	NC1	2000,000	0,73	0,73	0,00
B458	DİKME - CFCHS48.3X3	S 235	NC1	2000,000	0,54	0,54	0,00
B459	DİKME - CFCHS48.3X3	S 235	NC8	2000,000	0,57	0,57	0,00
B460	DİKME - CFCHS48.3X3	S 235	NC1	2000,000	0,59	0,59	0,00
B461	DİKME - CFCHS48.3X3	S 235	NC1	2000,000	0,61	0,61	0,00
B462	DİKME - CFCHS48.3X3	S 235	NC1	2000,000	0,63	0,63	0,00
B463	DİKME - CFCHS48.3X3	S 235	NC1	2000,000	0,64	0,64	0,00
B464	DİKME - CFCHS48.3X3	S 235	NC8	2000,000	0,66	0,66	0,00
B465	DİKME - CFCHS48.3X3	S 235	NC8	2000,000	0,67	0,67	0,00
B466	DİKME - CFCHS48.3X3	S 235	NC1	2000,000	0,69	0,69	0,00
B467	DİKME - CFCHS48.3X3	S 235	NC1	2000,000	0,71	0,71	0,00
B468	DİKME - CFCHS48.3X3	S 235	NC8	110,000	0,66	0,66	0,00
B469	DİKME - CFCHS48.3X3	S 235	NC1	50,000	0,41	0,41	0,00
B470	DİKME - CFCHS48.3X3	S 235	NC8	0,000	0,24	0,24	0,00
B471	DİKME - CFCHS48.3X3	S 235	NC8	0,000	0,14	0,14	0,00
B472	DİKME - CFCHS48.3X3	S 235	NC8	0,000	0,15	0,15	0,00
B473	DİKME - CFCHS48.3X3	S 235	NC8	0,000	0,15	0,15	0,00
B474	DİKME - CFCHS48.3X3	S 235	NC1	0,000	0,16	0,16	0,00
B475	DİKME - CFCHS48.3X3	S 235	NC8	0,000	0,16	0,16	0,00
B476	DİKME - CFCHS48.3X3	S 235	NC1	0,000	0,16	0,16	0,00
B477	DİKME - CFCHS48.3X3	S 235	NC8	0,000	0,17	0,17	0,00
B478	DİKME - CFCHS48.3X3	S 235	NC1	0,000	0,17	0,17	0,00
B479	DİKME - CFCHS48.3X3	S 235	NC1	0,000	0,18	0,18	0,00
B480	DİKME - CFCHS48.3X3	S 235	NC1	0,000	0,28	0,28	0,00
B481	ALT_PROFIL - RHS	S 235	NC8	0,000	0,32	0,25	0,32
B482	ALT_PROFIL - RHS	S 235	NC1	0,000	0,14	0,09	0,14
B483	ALT_PROFIL - RHS	S 235	NC1	0,000	0,16	0,11	0,16
B484	ALT_PROFIL - RHS	S 235	NC1	0,000	0,16	0,11	0,16
B485	ALT_PROFIL - RHS	S 235	NC8	0,000	0,17	0,11	0,17
B486	ALT_PROFIL - RHS	S 235	NC1	0,000	0,17	0,12	0,17
B487	ALT_PROFIL - RHS	S 235	NC1	0,000	0,17	0,12	0,17
B488	ALT_PROFIL - RHS	S 235	NC1	0,000	0,18	0,12	0,18
B489	ALT_PROFIL - RHS	S 235	NC1	0,000	0,18	0,12	0,18
B490	ALT_PROFIL - RHS	S 235	NC9	700,000	0,42	0,42	0,40
B491	ALT_PROFIL - RHS	S 235	NC9	0,000	0,73	0,73	0,70
B492	ALT_PROFIL - RHS	S 235	NC9	0,000	0,43	0,43	0,42
B493	YATAY - CHS	S 235	NC1	1249,990	0,03	0,03	0,00
B494	YATAY - CHS	S 235	NC2	1249,990	0,03	0,03	0,00
B517	DİKME - CFCHS48.3X3	S 235	NC8	2000,000	0,74	0,74	0,00
B518	DİKME - CFCHS48.3X3	S 235	NC8	2000,000	0,55	0,55	0,00
B519	DİKME - CFCHS48.3X3	S 235	NC1	2000,000	0,58	0,58	0,00
B520	DİKME - CFCHS48.3X3	S 235	NC8	2000,000	0,59	0,59	0,00
B521	DİKME - CFCHS48.3X3	S 235	NC8	2000,000	0,61	0,61	0,00
B522	DİKME - CFCHS48.3X3	S 235	NC8	2000,000	0,63	0,63	0,00
B523	DİKME - CFCHS48.3X3	S 235	NC1	2000,000	0,64	0,64	0,00
B524	DİKME - CFCHS48.3X3	S 235	NC1	2000,000	0,66	0,66	0,00
B525	DİKME - CFCHS48.3X3	S 235	NC8	2000,000	0,67	0,67	0,00
B526	DİKME - CFCHS48.3X3	S 235	NC8	2000,000	0,69	0,69	0,00
B527	DİKME - CFCHS48.3X3	S 235	NC1	2000,000	0,72	0,72	0,00
B528	DİKME - CFCHS48.3X3	S 235	NC8	110,000	0,66	0,66	0,00
B529	DİKME - CFCHS48.3X3	S 235	NC8	50,000	0,41	0,41	0,00
B530	DİKME - CFCHS48.3X3	S 235	NC1	0,000	0,24	0,24	0,00
B531	DİKME - CFCHS48.3X3	S 235	NC1	0,000	0,14	0,14	0,00
B532	DİKME - CFCHS48.3X3	S 235	NC1	0,000	0,15	0,15	0,00
B533	DİKME - CFCHS48.3X3	S 235	NC1	0,000	0,15	0,15	0,00
B534	DİKME - CFCHS48.3X3	S 235	NC1	0,000	0,16	0,16	0,00
B535	DİKME - CFCHS48.3X3	S 235	NC8	0,000	0,16	0,16	0,00
B536	DİKME - CFCHS48.3X3	S 235	NC1	0,000	0,16	0,16	0,00
B537	DİKME - CFCHS48.3X3	S 235	NC8	0,000	0,17	0,17	0,00
B538	DİKME - CFCHS48.3X3	S 235	NC1	0,000	0,17	0,17	0,00
B539	DİKME - CFCHS48.3X3	S 235	NC8	0,000	0,18	0,18	0,00
B540	DİKME - CFCHS48.3X3	S 235	NC1	0,000	0,29	0,29	0,00
B541	ALT_PROFIL - RHS	S 235	NC8	0,000	0,30	0,25	0,30
B542	ALT_PROFIL - RHS	S 235	NC8	0,000	0,13	0,09	0,13
B543	ALT_PROFIL - RHS	S 235	NC1	500,000	0,15	0,05	0,15
B544	ALT_PROFIL - RHS	S 235	NC1	0,000	0,15	0,10	0,15
B545	ALT_PROFIL - RHS	S 235	NC1	0,000	0,16	0,11	0,16
B546	ALT_PROFIL - RHS	S 235	NC8	0,000	0,16	0,11	0,16
B547	ALT_PROFIL - RHS	S 235	NC1	0,000	0,16	0,11	0,16
B548	ALT_PROFIL - RHS	S 235	NC8	0,000	0,17	0,11	0,17
B549	ALT_PROFIL - RHS	S 235	NC1	0,000	0,17	0,11	0,17
B550	ALT_PROFIL - RHS	S 235	NC9	700,000	0,42	0,42	0,39
B551	ALT_PROFIL - RHS	S 235	NC4	0,000	0,73	0,73	0,71
B552	ALT_PROFIL - RHS	S 235	NC9	0,000	0,43	0,43	0,43
B553	YATAY - CHS	S 235	NC7	1249,990	0,03	0,03	0,00

Member	css	mat	Case	dx [mm]	un.check [-]	sec.check [-]	stab.check [-]
B554	YATAY - CHS	S 235	NC7	1249,990	0,03	0,03	0,00
B577	DİKME - CFCHS48.3X3	S 235	NC1	2000,000	0,74	0,74	0,00
B578	DİKME - CFCHS48.3X3	S 235	NC1	2000,000	0,54	0,54	0,00
B579	DİKME - CFCHS48.3X3	S 235	NC8	2000,000	0,57	0,57	0,00
B580	DİKME - CFCHS48.3X3	S 235	NC1	2000,000	0,59	0,59	0,00
B581	DİKME - CFCHS48.3X3	S 235	NC1	2000,000	0,60	0,60	0,00
B582	DİKME - CFCHS48.3X3	S 235	NC1	2000,000	0,62	0,62	0,00
B583	DİKME - CFCHS48.3X3	S 235	NC1	2000,000	0,64	0,64	0,00
B584	DİKME - CFCHS48.3X3	S 235	NC1	2000,000	0,65	0,65	0,00
B585	DİKME - CFCHS48.3X3	S 235	NC1	2000,000	0,67	0,67	0,00
B586	DİKME - CFCHS48.3X3	S 235	NC1	2000,000	0,68	0,68	0,00
B587	DİKME - CFCHS48.3X3	S 235	NC1	2000,000	0,71	0,71	0,00
B588	DİKME - CFCHS48.3X3	S 235	NC8	110,000	0,66	0,66	0,00
B589	DİKME - CFCHS48.3X3	S 235	NC8	50,000	0,40	0,40	0,00
B590	DİKME - CFCHS48.3X3	S 235	NC1	0,000	0,24	0,24	0,00
B591	DİKME - CFCHS48.3X3	S 235	NC1	0,000	0,13	0,13	0,00
B592	DİKME - CFCHS48.3X3	S 235	NC8	0,000	0,14	0,14	0,00
B593	DİKME - CFCHS48.3X3	S 235	NC8	0,000	0,15	0,15	0,00
B594	DİKME - CFCHS48.3X3	S 235	NC8	0,000	0,15	0,15	0,00
B595	DİKME - CFCHS48.3X3	S 235	NC8	0,000	0,16	0,16	0,00
B596	DİKME - CFCHS48.3X3	S 235	NC1	0,000	0,16	0,16	0,00
B597	DİKME - CFCHS48.3X3	S 235	NC1	0,000	0,16	0,16	0,00
B598	DİKME - CFCHS48.3X3	S 235	NC1	0,000	0,17	0,17	0,00
B599	DİKME - CFCHS48.3X3	S 235	NC1	0,000	0,17	0,17	0,00
B600	DİKME - CFCHS48.3X3	S 235	NC8	0,000	0,23	0,23	0,00
B601	ALT_PROFIL - RHS	S 235	NC8	0,000	0,31	0,24	0,31
B602	ALT_PROFIL - RHS	S 235	NC8	0,000	0,13	0,07	0,13
B603	ALT_PROFIL - RHS	S 235	NC1	700,000	0,15	0,05	0,15
B604	ALT_PROFIL - RHS	S 235	NC1	700,000	0,15	0,05	0,15
B605	ALT_PROFIL - RHS	S 235	NC1	700,000	0,16	0,05	0,16
B606	ALT_PROFIL - RHS	S 235	NC8	700,000	0,16	0,05	0,16
B607	ALT_PROFIL - RHS	S 235	NC1	700,000	0,17	0,05	0,17
B608	ALT_PROFIL - RHS	S 235	NC1	700,000	0,17	0,05	0,17
B609	ALT_PROFIL - RHS	S 235	NC1	700,000	0,17	0,05	0,17
B610	ALT_PROFIL - RHS	S 235	NC9	700,000	0,23	0,23	0,23
B611	ALT_PROFIL - RHS	S 235	NC10	700,000	0,40	0,39	0,40
B612	ALT_PROFIL - RHS	S 235	NC1	0,000	0,39	0,31	0,39
B613	YATAY - CHS	S 235	NC7	1249,990	0,03	0,03	0,00
B614	YATAY - CHS	S 235	NC7	1249,990	0,03	0,03	0,00
B637	ÜST_PROFIL - RHS	S 235	NC1	0,000	0,27	0,05	0,27
B638	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,10	0,05	0,10
B639	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,19	0,05	0,19
B640	ÜST_PROFIL - RHS	S 235	NC1	0,000	0,16	0,06	0,16
B641	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,18	0,06	0,18
B642	ÜST_PROFIL - RHS	S 235	NC1	0,000	0,10	0,06	0,10
B643	ÜST_PROFIL - RHS	S 235	NC1	0,000	0,19	0,06	0,19
B644	ÜST_PROFIL - RHS	S 235	NC1	0,000	0,16	0,06	0,16
B645	ÜST_PROFIL - RHS	S 235	NC1	0,000	0,18	0,05	0,18
B646	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,10	0,05	0,10
B647	ÜST_PROFIL - RHS	S 235	NC1	0,000	0,24	0,05	0,24
B648	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,24	0,15	0,24
B649	ÜST_PROFIL - RHS	S 235	NC1	0,000	0,18	0,15	0,18
B650	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,22	0,15	0,22
B651	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,22	0,15	0,22
B652	ÜST_PROFIL - RHS	S 235	NC1	0,000	0,21	0,15	0,21
B653	ÜST_PROFIL - RHS	S 235	NC1	0,000	0,18	0,15	0,18
B654	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,22	0,15	0,22
B655	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,22	0,15	0,22
B656	ÜST_PROFIL - RHS	S 235	NC1	0,000	0,21	0,15	0,21
B657	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,18	0,15	0,18
B658	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,23	0,14	0,23
B758	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,32	0,29	0,32
B759	ÜST_PROFIL - RHS	S 235	NC1	0,000	0,33	0,29	0,33
B760	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,35	0,31	0,35
B761	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,35	0,32	0,35
B762	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,35	0,31	0,35
B763	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,33	0,29	0,33
B764	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,35	0,31	0,35
B765	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,35	0,32	0,35
B766	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,35	0,31	0,35
B767	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,33	0,29	0,33
B768	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,32	0,29	0,32
B769	ÜST_PROFIL - RHS	S 235	NC1	0,000	0,24	0,14	0,24
B770	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,18	0,14	0,18
B771	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,21	0,14	0,21
B772	ÜST_PROFIL - RHS	S 235	NC1	0,000	0,22	0,14	0,22

Member	css	mat	Case	dx [mm]	un.check [-]	sec.check [-]	stab.check [-]
B773	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,20	0,14	0,20
B774	ÜST_PROFIL - RHS	S 235	NC1	0,000	0,18	0,15	0,18
B775	ÜST_PROFIL - RHS	S 235	NC1	0,000	0,21	0,14	0,21
B776	ÜST_PROFIL - RHS	S 235	NC1	0,000	0,22	0,14	0,22
B777	ÜST_PROFIL - RHS	S 235	NC1	0,000	0,20	0,14	0,20
B778	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,18	0,14	0,18
B779	ÜST_PROFIL - RHS	S 235	NC1	0,000	0,25	0,14	0,25
B780	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,24	0,14	0,24
B781	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,19	0,15	0,19
B782	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,21	0,14	0,21
B783	ÜST_PROFIL - RHS	S 235	NC1	0,000	0,23	0,15	0,23
B784	ÜST_PROFIL - RHS	S 235	NC1	0,000	0,20	0,14	0,20
B785	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,19	0,15	0,19
B786	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,21	0,14	0,21
B787	ÜST_PROFIL - RHS	S 235	NC1	0,000	0,23	0,15	0,23
B788	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,20	0,14	0,20
B789	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,19	0,15	0,19
B790	ÜST_PROFIL - RHS	S 235	NC1	0,000	0,24	0,14	0,24
B791	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,24	0,15	0,24
B792	ÜST_PROFIL - RHS	S 235	NC1	0,000	0,19	0,15	0,19
B793	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,21	0,15	0,21
B794	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,23	0,15	0,23
B795	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,20	0,15	0,20
B796	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,19	0,16	0,19
B797	ÜST_PROFIL - RHS	S 235	NC1	0,000	0,21	0,15	0,21
B798	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,23	0,15	0,23
B799	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,20	0,15	0,20
B800	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,19	0,15	0,19
B801	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,25	0,15	0,25
B802	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,24	0,15	0,24
B803	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,20	0,16	0,20
B804	ÜST_PROFIL - RHS	S 235	NC1	0,000	0,21	0,15	0,21
B805	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,24	0,15	0,24
B806	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,21	0,15	0,21
B807	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,20	0,16	0,20
B808	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,21	0,15	0,21
B809	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,24	0,15	0,24
B810	ÜST_PROFIL - RHS	S 235	NC1	0,000	0,21	0,15	0,21
B811	ÜST_PROFIL - RHS	S 235	NC1	0,000	0,20	0,16	0,20
B812	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,25	0,15	0,25
B813	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,25	0,16	0,25
B814	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,20	0,16	0,20
B815	ÜST_PROFIL - RHS	S 235	NC1	0,000	0,22	0,15	0,22
B816	ÜST_PROFIL - RHS	S 235	NC1	0,000	0,24	0,16	0,24
B817	ÜST_PROFIL - RHS	S 235	NC1	0,000	0,21	0,15	0,21
B818	ÜST_PROFIL - RHS	S 235	NC1	0,000	0,20	0,16	0,20
B819	ÜST_PROFIL - RHS	S 235	NC1	0,000	0,22	0,15	0,22
B820	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,24	0,16	0,24
B821	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,21	0,15	0,21
B822	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,20	0,16	0,20
B823	ÜST_PROFIL - RHS	S 235	NC1	0,000	0,26	0,15	0,26
B824	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,26	0,16	0,26
B825	ÜST_PROFIL - RHS	S 235	NC1	0,000	0,21	0,17	0,21
B826	ÜST_PROFIL - RHS	S 235	NC1	0,000	0,22	0,16	0,22
B827	ÜST_PROFIL - RHS	S 235	NC1	0,000	0,25	0,16	0,25
B828	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,22	0,16	0,22
B829	ÜST_PROFIL - RHS	S 235	NC1	0,000	0,21	0,17	0,21
B830	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,22	0,16	0,22
B831	ÜST_PROFIL - RHS	S 235	NC1	0,000	0,25	0,16	0,25
B832	ÜST_PROFIL - RHS	S 235	NC1	0,000	0,22	0,16	0,22
B833	ÜST_PROFIL - RHS	S 235	NC1	0,000	0,21	0,17	0,21
B834	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,26	0,16	0,26
B835	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,26	0,17	0,26
B836	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,22	0,17	0,22
B837	ÜST_PROFIL - RHS	S 235	NC1	0,000	0,23	0,16	0,23
B838	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,26	0,17	0,26
B839	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,22	0,16	0,22
B840	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,22	0,18	0,22
B841	ÜST_PROFIL - RHS	S 235	NC1	0,000	0,23	0,16	0,23
B842	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,26	0,17	0,26
B843	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,22	0,16	0,22
B844	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,22	0,17	0,22
B845	ÜST_PROFIL - RHS	S 235	NC1	0,000	0,27	0,16	0,27
B846	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,27	0,17	0,27
B847	ÜST_PROFIL - RHS	S 235	NC1	0,000	0,22	0,18	0,22
B848	ÜST_PROFIL - RHS	S 235	NC1	0,000	0,23	0,17	0,23

Member	css	mat	Case	dx [mm]	un.check [-]	sec.check [-]	stab.check [-]
B849	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,26	0,17	0,26
B850	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,23	0,17	0,23
B851	ÜST_PROFIL - RHS	S 235	NC1	0,000	0,22	0,18	0,22
B852	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,23	0,17	0,23
B853	ÜST_PROFIL - RHS	S 235	NC1	0,000	0,26	0,17	0,26
B854	ÜST_PROFIL - RHS	S 235	NC1	0,000	0,23	0,17	0,23
B855	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,22	0,18	0,22
B856	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,28	0,17	0,28
B857	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,32	0,20	0,32
B858	ÜST_PROFIL - RHS	S 235	NC1	0,000	0,27	0,20	0,27
B859	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,31	0,19	0,31
B860	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,34	0,20	0,34
B861	ÜST_PROFIL - RHS	S 235	NC1	0,000	0,29	0,20	0,29
B862	ÜST_PROFIL - RHS	S 235	NC1	0,000	0,27	0,21	0,27
B863	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,31	0,20	0,31
B864	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,34	0,20	0,34
B865	ÜST_PROFIL - RHS	S 235	NC1	0,000	0,29	0,19	0,29
B866	ÜST_PROFIL - RHS	S 235	NC1	0,000	0,27	0,20	0,27
B867	ÜST_PROFIL - RHS	S 235	NC1	0,000	0,33	0,20	0,33
PL1	Platform - General cross-section	S 235	NC8	2500,000	0,02	0,00	0,02
PL2	Platform - General cross-section	S 235	NC7	2500,000	0,02	0,00	0,02
B868	YATAY - CHS	S 235	NC1	1249,990	0,03	0,03	0,00
B869	YATAY - CHS	S 235	NC8	1249,990	0,03	0,03	0,00
B870	YATAY - CHS	S 235	NC7	1249,990	0,03	0,03	0,00
B871	YATAY - CHS	S 235	NC2	1249,990	0,03	0,03	0,00
B872	YATAY - CHS	S 235	NC8	1249,990	0,03	0,03	0,00
B873	YATAY - CHS	S 235	NC1	1249,990	0,03	0,03	0,00
B874	YATAY - CHS	S 235	NC7	1249,990	0,03	0,03	0,00
B875	YATAY - CHS	S 235	NC7	1249,990	0,03	0,03	0,00
B876	YATAY - CHS	S 235	NC8	1249,990	0,03	0,03	0,00
B877	YATAY - CHS	S 235	NC8	1249,990	0,03	0,03	0,00
B878	YATAY - CHS	S 235	NC2	1249,990	0,03	0,03	0,00
B879	YATAY - CHS	S 235	NC7	1249,990	0,03	0,03	0,00
B880	YATAY - CHS	S 235	NC7	1249,990	0,03	0,03	0,00
B881	YATAY - CHS	S 235	NC7	1249,990	0,03	0,03	0,00
B882	YATAY - CHS	S 235	NC2	1249,990	0,03	0,03	0,00
B883	YATAY - CHS	S 235	NC2	1249,990	0,03	0,03	0,00
B884	YATAY - CHS	S 235	NC7	1249,990	0,03	0,03	0,00
B885	YATAY - CHS	S 235	NC1	1249,990	0,03	0,03	0,00
B886	YATAY - CHS	S 235	NC8	1249,990	0,03	0,03	0,00
B887	YATAY - CHS	S 235	NC2	1249,990	0,03	0,03	0,00
B888	YATAY - CHS	S 235	NC2	1249,990	0,03	0,03	0,00
B889	YATAY - CHS	S 235	NC2	1249,990	0,03	0,03	0,00
B890	YATAY - CHS	S 235	NC7	1249,990	0,03	0,03	0,00
B891	YATAY - CHS	S 235	NC2	1249,990	0,03	0,03	0,00
B892	YATAY - CHS	S 235	NC7	1249,990	0,03	0,03	0,00
B893	YATAY - CHS	S 235	NC2	1249,990	0,03	0,03	0,00
B894	YATAY - CHS	S 235	NC2	1249,990	0,03	0,03	0,00
B895	YATAY - CHS	S 235	NC7	1249,990	0,03	0,03	0,00
B896	YATAY - CHS	S 235	NC7	1249,990	0,03	0,03	0,00
B897	YATAY - CHS	S 235	NC2	1249,990	0,03	0,03	0,00
B898	YATAY - CHS	S 235	NC7	1249,990	0,03	0,03	0,00
B899	YATAY - CHS	S 235	NC7	1249,990	0,03	0,03	0,00
B900	YATAY - CHS	S 235	NC2	1249,990	0,03	0,03	0,00
B901	YATAY - CHS	S 235	NC2	1249,990	0,03	0,03	0,00
B902	YATAY - CHS	S 235	NC2	1249,990	0,03	0,03	0,00
B903	YATAY - CHS	S 235	NC7	1249,990	0,03	0,03	0,00
B904	YATAY - CHS	S 235	NC7	1249,990	0,03	0,03	0,00
B905	YATAY - CHS	S 235	NC8	1249,990	0,03	0,03	0,00
B906	YATAY - CHS	S 235	NC7	1249,990	0,03	0,03	0,00
B907	YATAY - CHS	S 235	NC8	1249,990	0,03	0,03	0,00
B908	YATAY - CHS	S 235	NC7	1249,990	0,03	0,03	0,00
B909	YATAY - CHS	S 235	NC2	1249,990	0,03	0,03	0,00
B910	YATAY - CHS	S 235	NC2	1249,990	0,03	0,03	0,00
B911	YATAY - CHS	S 235	NC7	1249,990	0,03	0,03	0,00
B912	YATAY - CHS	S 235	NC7	1249,990	0,03	0,03	0,00
B913	YATAY - CHS	S 235	NC7	1249,990	0,03	0,03	0,00
B914	YATAY - CHS	S 235	NC7	1249,990	0,03	0,03	0,00
B915	YATAY - CHS	S 235	NC7	1249,990	0,03	0,03	0,00
B916	YATAY - CHS	S 235	NC2	1249,990	0,03	0,03	0,00
B917	YATAY - CHS	S 235	NC7	1249,990	0,03	0,03	0,00
B918	YATAY - CHS	S 235	NC2	1249,990	0,03	0,03	0,00
B919	YATAY - CHS	S 235	NC7	1249,990	0,03	0,03	0,00
B920	YATAY - CHS	S 235	NC2	1249,990	0,03	0,03	0,00
B921	YATAY - CHS	S 235	NC2	1249,990	0,03	0,03	0,00
B922	YATAY - CHS	S 235	NC2	1249,990	0,03	0,03	0,00

Member	css	mat	Case	dx [mm]	un.check [-]	sec.check [-]	stab.check [-]
PL218	Platform - General cross-section	S 235	NC9	1250,010	0,35	0,34	0,35
PL219	Platform - General cross-section	S 235	NC3	1249,990	0,35	0,34	0,35
PL220	Platform - General cross-section	S 235	NC10	1249,990	0,35	0,35	0,35
PL221	Platform - General cross-section	S 235	NC10	1250,010	0,18	0,18	0,18
PL222	Platform - General cross-section	S 235	NC9	1250,010	0,18	0,18	0,18
PL223	Platform - General cross-section	S 235	NC5	2343,750	0,18	0,04	0,18
PL224	Platform - General cross-section	S 235	NC9	1249,990	0,18	0,18	0,18
PL225	Platform - General cross-section	S 235	NC5	2031,250	0,18	0,11	0,18
PL226	Platform - General cross-section	S 235	NC4	1249,990	0,18	0,18	0,18
PL227	Platform - General cross-section	S 235	NC5	2500,000	0,18	0,03	0,18
PL228	Platform - General cross-section	S 235	NC5	1249,990	0,18	0,18	0,18
PL229	Platform - General cross-section	S 235	NC10	2500,000	0,18	0,03	0,18
PL230	Platform - General cross-section	S 235	NC10	1249,990	0,18	0,18	0,18
PL231	Platform - General cross-section	S 235	NC3	1249,990	0,18	0,18	0,18
PL232	Platform - General cross-section	S 235	NC3	1249,990	0,18	0,18	0,18
PL233	Platform - General cross-section	S 235	NC10	1249,990	0,18	0,18	0,18
PL234	Platform - General cross-section	S 235	NC5	1249,990	0,18	0,18	0,18
PL235	Platform - General cross-section	S 235	NC10	1249,990	0,18	0,18	0,18
PL236	Platform - General cross-section	S 235	NC10	1249,990	0,18	0,18	0,18
PL237	Platform - General cross-section	S 235	NC3	1250,010	0,18	0,18	0,18
PL238	Platform - General cross-section	S 235	NC4	1250,010	0,18	0,18	0,18
PL239	Platform - General cross-section	S 235	NC5	1249,990	0,18	0,18	0,18
PL240	Platform - General cross-section	S 235	NC4	1249,990	0,18	0,18	0,18
C1	DIKME - CFCHS48.3X3	S 235	NC1	0,000	0,24	0,24	0,00
C2	DIKME - CFCHS48.3X3	S 235	NC1	110,000	0,15	0,15	0,00
C3	DIKME - CFCHS48.3X3	S 235	NC1	0,000	0,24	0,24	0,00
C4	DIKME - CFCHS48.3X3	S 235	NC8	110,000	0,15	0,15	0,00
C5	DIKME - CFCHS48.3X3	S 235	NC8	0,000	0,24	0,24	0,00
C6	DIKME - CFCHS48.3X3	S 235	NC1	110,000	0,15	0,15	0,00
C7	DIKME - CFCHS48.3X3	S 235	NC1	0,000	0,25	0,25	0,00
C8	DIKME - CFCHS48.3X3	S 235	NC1	110,000	0,16	0,16	0,00
C9	DIKME - CFCHS48.3X3	S 235	NC1	0,000	0,24	0,24	0,00
C10	DIKME - CFCHS48.3X3	S 235	NC1	110,000	0,15	0,15	0,00
C11	DIKME - CFCHS48.3X3	S 235	NC1	0,000	0,24	0,24	0,00
C12	DIKME - CFCHS48.3X3	S 235	NC8	110,000	0,15	0,15	0,00
C13	DIKME - CFCHS48.3X3	S 235	NC1	0,000	0,24	0,24	0,00
C14	DIKME - CFCHS48.3X3	S 235	NC1	110,000	0,15	0,15	0,00
C15	DIKME - CFCHS48.3X3	S 235	NC8	0,000	0,25	0,25	0,00
C16	DIKME - CFCHS48.3X3	S 235	NC8	110,000	0,16	0,16	0,00
C17	DIKME - CFCHS48.3X3	S 235	NC8	0,000	0,24	0,24	0,00
C18	DIKME - CFCHS48.3X3	S 235	NC8	110,000	0,15	0,15	0,00
C19	DIKME - CFCHS48.3X3	S 235	NC8	0,000	0,24	0,24	0,00
C20	DIKME - CFCHS48.3X3	S 235	NC8	110,000	0,15	0,15	0,00
C21	DIKME - CFCHS48.3X3	S 235	NC1	0,000	0,24	0,24	0,00
C22	DIKME - CFCHS48.3X3	S 235	NC1	110,000	0,15	0,15	0,00
C23	DIKME - CFCHS48.3X3	S 235	NC1	250,000	0,22	0,22	0,00
C24	DIKME - CFCHS48.3X3	S 235	NC8	250,000	0,14	0,14	0,00
C25	DIKME - CFCHS48.3X3	S 235	NC8	250,000	0,21	0,21	0,00
C26	DIKME - CFCHS48.3X3	S 235	NC8	250,000	0,21	0,21	0,00
C27	DIKME - CFCHS48.3X3	S 235	NC8	250,000	0,20	0,20	0,00
C28	DIKME - CFCHS48.3X3	S 235	NC8	250,000	0,20	0,20	0,00
C29	DIKME - CFCHS48.3X3	S 235	NC8	250,000	0,20	0,20	0,00
C30	DIKME - CFCHS48.3X3	S 235	NC8	250,000	0,20	0,20	0,00
C31	DIKME - CFCHS48.3X3	S 235	NC8	250,000	0,20	0,20	0,00
C32	DIKME - CFCHS48.3X3	S 235	NC1	250,000	0,20	0,20	0,00
C33	DIKME - CFCHS48.3X3	S 235	NC1	250,000	0,20	0,20	0,00
C34	DIKME - CFCHS48.3X3	S 235	NC1	250,000	0,20	0,20	0,00
C35	DIKME - CFCHS48.3X3	S 235	NC8	250,000	0,20	0,20	0,00
C36	DIKME - CFCHS48.3X3	S 235	NC1	250,000	0,20	0,20	0,00
C37	DIKME - CFCHS48.3X3	S 235	NC8	250,000	0,20	0,20	0,00
C38	DIKME - CFCHS48.3X3	S 235	NC8	250,000	0,20	0,20	0,00
C39	DIKME - CFCHS48.3X3	S 235	NC8	250,000	0,20	0,20	0,00
C40	DIKME - CFCHS48.3X3	S 235	NC8	250,000	0,20	0,20	0,00
C41	DIKME - CFCHS48.3X3	S 235	NC8	250,000	0,22	0,22	0,00
C42	DIKME - CFCHS48.3X3	S 235	NC1	250,000	0,22	0,22	0,00
C43	DIKME - CFCHS48.3X3	S 235	NC1	250,000	0,23	0,23	0,00
C44	DIKME - CFCHS48.3X3	S 235	NC8	250,000	0,13	0,13	0,00
B1088	ALT_PROFIL - RHS	S 235	NC8	700,000	0,37	0,37	0,35
B1089	ALT_PROFIL - RHS	S 235	NC8	700,000	0,41	0,41	0,39
B1090	ALT_PROFIL - RHS	S 235	NC1	700,000	0,42	0,42	0,39
B1091	ALT_PROFIL - RHS	S 235	NC8	700,000	0,42	0,42	0,39
B1092	ALT_PROFIL - RHS	S 235	NC8	700,000	0,42	0,42	0,38
B1093	ALT_PROFIL - RHS	S 235	NC1	700,000	0,41	0,41	0,38
B1094	ALT_PROFIL - RHS	S 235	NC8	700,000	0,42	0,42	0,38
B1095	ALT_PROFIL - RHS	S 235	NC1	700,000	0,42	0,42	0,39
B1096	ALT_PROFIL - RHS	S 235	NC8	700,000	0,42	0,42	0,39

Member	css	mat	Case	dx [mm]	un.check [-]	sec.check [-]	stab.check [-]
B1097	ALT_PROFIL - RHS	S 235	NC8	700,000	0,42	0,42	0,39
B1098	ALT_PROFIL - RHS	S 235	NC8	700,000	0,37	0,37	0,36
PL241	Platform - General cross-section	S 235	NC2	1249,990	0,02	0,02	0,02
PL242	Platform - General cross-section	S 235	NC1	1250,010	0,02	0,02	0,02
PL243	Platform - General cross-section	S 235	NC1	1250,010	0,02	0,02	0,02
PL244	Platform - General cross-section	S 235	NC8	1250,010	0,02	0,02	0,02
PL245	Platform - General cross-section	S 235	NC1	1249,990	0,02	0,02	0,02
PL246	Platform - General cross-section	S 235	NC8	1249,990	0,02	0,02	0,02
PL247	Platform - General cross-section	S 235	NC8	1249,990	0,02	0,02	0,02
PL248	Platform - General cross-section	S 235	NC1	1249,990	0,02	0,02	0,02
PL249	Platform - General cross-section	S 235	NC1	2031,250	0,02	0,01	0,02
PL250	Platform - General cross-section	S 235	NC1	1250,010	0,02	0,02	0,02
PL251	Platform - General cross-section	S 235	NC1	1249,990	0,02	0,02	0,02
PL252	Platform - General cross-section	S 235	NC8	1249,990	0,02	0,02	0,02
PL253	Platform - General cross-section	S 235	NC1	1250,010	0,02	0,02	0,02
PL254	Platform - General cross-section	S 235	NC8	1250,010	0,02	0,02	0,02
PL255	Platform - General cross-section	S 235	NC1	2343,750	0,02	0,01	0,02
PL256	Platform - General cross-section	S 235	NC8	1250,010	0,02	0,02	0,02
PL257	Platform - General cross-section	S 235	NC8	1249,990	0,02	0,02	0,02
PL258	Platform - General cross-section	S 235	NC1	1249,990	0,02	0,02	0,02
PL259	Platform - General cross-section	S 235	NC1	1093,750	0,02	0,02	0,02
PL260	Platform - General cross-section	S 235	NC1	1249,990	0,02	0,02	0,02
C45	DIKME - CFCHS48.3X3	S 235	NC1	140,000	0,22	0,22	0,00
C46	DIKME - CFCHS48.3X3	S 235	NC1	140,000	0,34	0,34	0,00
C47	DIKME - CFCHS48.3X3	S 235	NC1	140,000	0,32	0,32	0,00
C48	DIKME - CFCHS48.3X3	S 235	NC8	140,000	0,32	0,32	0,00
C49	DIKME - CFCHS48.3X3	S 235	NC1	140,000	0,31	0,31	0,00
C50	DIKME - CFCHS48.3X3	S 235	NC1	200,000	0,32	0,32	0,00
C51	DIKME - CFCHS48.3X3	S 235	NC8	140,000	0,30	0,30	0,00
C52	DIKME - CFCHS48.3X3	S 235	NC8	200,000	0,32	0,32	0,00
C53	DIKME - CFCHS48.3X3	S 235	NC8	140,000	0,30	0,30	0,00
C54	DIKME - CFCHS48.3X3	S 235	NC8	200,000	0,32	0,32	0,00
C55	DIKME - CFCHS48.3X3	S 235	NC8	140,000	0,31	0,31	0,00
C56	DIKME - CFCHS48.3X3	S 235	NC1	200,000	0,31	0,31	0,00
C57	DIKME - CFCHS48.3X3	S 235	NC8	140,000	0,30	0,30	0,00
C58	DIKME - CFCHS48.3X3	S 235	NC1	200,000	0,32	0,32	0,00
C59	DIKME - CFCHS48.3X3	S 235	NC8	140,000	0,30	0,30	0,00
C60	DIKME - CFCHS48.3X3	S 235	NC1	200,000	0,32	0,32	0,00
C61	DIKME - CFCHS48.3X3	S 235	NC1	140,000	0,31	0,31	0,00
C62	DIKME - CFCHS48.3X3	S 235	NC8	200,000	0,32	0,32	0,00
C63	DIKME - CFCHS48.3X3	S 235	NC8	140,000	0,32	0,32	0,00
C64	DIKME - CFCHS48.3X3	S 235	NC1	140,000	0,32	0,32	0,00
C65	DIKME - CFCHS48.3X3	S 235	NC1	140,000	0,20	0,20	0,00
C66	DIKME - CFCHS48.3X3	S 235	NC1	140,000	0,35	0,35	0,00
C67	TOPUKLUK - C	S 235	NC7	625,000	0,02	0,01	0,02
C68	TOPUKLUK - C	S 235	NC7	1406,250	0,01	0,01	0,01
C69	TOPUKLUK - C	S 235	NC2	1406,250	0,01	0,01	0,01
C70	TOPUKLUK - C	S 235	NC2	1249,990	0,01	0,01	0,01
C71	TOPUKLUK - C	S 235	NC2	1249,990	0,01	0,01	0,01
C72	TOPUKLUK - C	S 235	NC1	1250,010	0,01	0,01	0,01
C73	TOPUKLUK - C	S 235	NC7	1406,250	0,01	0,01	0,01
C74	TOPUKLUK - C	S 235	NC2	1406,250	0,01	0,01	0,01
C75	TOPUKLUK - C	S 235	NC1	1249,990	0,01	0,01	0,01
C76	TOPUKLUK - C	S 235	NC8	1249,990	0,01	0,01	0,01
C77	TOPUKLUK - C	S 235	NC7	1875,000	0,02	0,01	0,02
C78	TOPUKLUK - C	S 235	NC2	1875,000	0,01	0,01	0,01
C79	TOPUKLUK - C	S 235	NC2	1875,000	0,06	0,01	0,06
C80	TOPUKLUK - C	S 235	NC1	1406,250	0,06	0,01	0,06
C81	TOPUKLUK - C	S 235	NC8	1093,750	0,01	0,01	0,00
C82	TOPUKLUK - C	S 235	NC8	1406,250	0,01	0,01	0,00
C83	TOPUKLUK - C	S 235	NC1	1249,990	0,06	0,01	0,06
C84	TOPUKLUK - C	S 235	NC1	1406,250	0,06	0,01	0,06
C85	TOPUKLUK - C	S 235	NC1	1249,990	0,01	0,01	0,00
C86	TOPUKLUK - C	S 235	NC1	1249,990	0,01	0,01	0,00
C87	TOPUKLUK - C	S 235	NC2	1875,000	0,06	0,01	0,06
C88	TOPUKLUK - C	S 235	NC7	1718,750	0,01	0,01	0,01
C89	TOPUKLUK - C	S 235	NC7	1875,000	0,06	0,01	0,06
C90	TOPUKLUK - C	S 235	NC2	1718,750	0,01	0,01	0,01
C91	TOPUKLUK - C	S 235	NC2	2500,000	0,01	0,00	0,01
C92	TOPUKLUK - C	S 235	NC1	1406,250	0,01	0,01	0,01
C93	TOPUKLUK - C	S 235	NC2	1718,750	0,01	0,01	0,01
C94	TOPUKLUK - C	S 235	NC7	1718,750	0,01	0,01	0,01
C95	TOPUKLUK - C	S 235	NC8	1249,990	0,01	0,01	0,00
C96	TOPUKLUK - C	S 235	NC1	1250,010	0,01	0,01	0,00
C97	TOPUKLUK - C	S 235	NC2	2500,000	0,08	0,01	0,08
C98	TOPUKLUK - C	S 235	NC7	1718,750	0,01	0,01	0,01

Member	css	mat	Case	dx [mm]	un.check [-]	sec.check [-]	stab.check [-]
C99	TOPUKLUK - C	S 235	NC7	1875,000	0,06	0,01	0,06
C100	TOPUKLUK - C	S 235	NC2	1718,750	0,01	0,01	0,01
C101	TOPUKLUK - C	S 235	NC2	2500,000	0,01	0,01	0,01
C102	TOPUKLUK - C	S 235	NC8	1406,250	0,01	0,01	0,01
C103	TOPUKLUK - C	S 235	NC7	1718,750	0,01	0,01	0,01
C104	TOPUKLUK - C	S 235	NC2	2500,000	0,01	0,01	0,01
C105	TOPUKLUK - C	S 235	NC8	1249,990	0,01	0,01	0,01
C106	TOPUKLUK - C	S 235	NC7	1718,750	0,01	0,01	0,01
C107	TOPUKLUK - C	S 235	NC7	2500,000	0,09	0,01	0,09
C108	TOPUKLUK - C	S 235	NC2	1718,750	0,01	0,01	0,01
C109	TOPUKLUK - C	S 235	NC2	1875,000	0,06	0,01	0,06
C110	TOPUKLUK - C	S 235	NC7	1718,750	0,01	0,01	0,01
C111	TOPUKLUK - C	S 235	NC2	2500,000	0,01	0,01	0,01
C112	TOPUKLUK - C	S 235	NC7	1718,750	0,01	0,01	0,01
C113	TOPUKLUK - C	S 235	NC2	1718,750	0,01	0,01	0,01
C114	TOPUKLUK - C	S 235	NC2	2500,000	0,01	0,01	0,01
C115	TOPUKLUK - C	S 235	NC1	1249,990	0,01	0,01	0,01
C116	TOPUKLUK - C	S 235	NC7	1718,750	0,01	0,01	0,01
C117	TOPUKLUK - C	S 235	NC2	2500,000	0,10	0,01	0,10
C118	TOPUKLUK - C	S 235	NC7	1718,750	0,01	0,01	0,01
C119	TOPUKLUK - C	S 235	NC7	1875,000	0,02	0,01	0,02
C120	TOPUKLUK - C	S 235	NC7	1718,750	0,01	0,01	0,01
C121	TOPUKLUK - C	S 235	NC7	2500,000	0,01	0,01	0,01
C122	TOPUKLUK - C	S 235	NC2	1718,750	0,01	0,01	0,01
C123	TOPUKLUK - C	S 235	NC2	1718,750	0,01	0,01	0,01
C124	TOPUKLUK - C	S 235	NC2	2500,000	0,01	0,01	0,01
C125	TOPUKLUK - C	S 235	NC1	1249,990	0,01	0,01	0,01
C126	TOPUKLUK - C	S 235	NC2	1718,750	0,01	0,01	0,01
C127	TOPUKLUK - C	S 235	NC2	2500,000	0,11	0,01	0,11
C128	TOPUKLUK - C	S 235	NC2	1718,750	0,01	0,01	0,01
C129	TOPUKLUK - C	S 235	NC7	1875,000	0,02	0,01	0,02
C130	TOPUKLUK - C	S 235	NC7	1718,750	0,01	0,01	0,01
C131	TOPUKLUK - C	S 235	NC2	2500,000	0,01	0,01	0,01
C132	TOPUKLUK - C	S 235	NC2	1718,750	0,01	0,01	0,01
C133	TOPUKLUK - C	S 235	NC2	1718,750	0,01	0,01	0,01
C134	TOPUKLUK - C	S 235	NC2	2500,000	0,01	0,01	0,01
C135	TOPUKLUK - C	S 235	NC5	1250,010	0,01	0,01	0,01
C136	TOPUKLUK - C	S 235	NC4	1249,990	0,07	0,01	0,07
C137	TOPUKLUK - C	S 235	NC7	2500,000	0,12	0,01	0,12
C138	TOPUKLUK - C	S 235	NC7	1718,750	0,01	0,01	0,01
C139	TOPUKLUK - C	S 235	NC7	1875,000	0,02	0,01	0,02
C140	TOPUKLUK - C	S 235	NC2	1718,750	0,01	0,01	0,01
C141	TOPUKLUK - C	S 235	NC2	2500,000	0,01	0,01	0,01
C142	TOPUKLUK - C	S 235	NC7	1718,750	0,01	0,01	0,01
C143	TOPUKLUK - C	S 235	NC7	1718,750	0,01	0,01	0,01
C144	TOPUKLUK - C	S 235	NC2	2500,000	0,01	0,01	0,01
C145	TOPUKLUK - C	S 235	NC10	1250,010	0,01	0,01	0,01
C146	TOPUKLUK - C	S 235	NC9	1249,990	0,08	0,01	0,08
C147	TOPUKLUK - C	S 235	NC2	2500,000	0,13	0,01	0,13
C148	TOPUKLUK - C	S 235	NC2	1718,750	0,06	0,01	0,06
C149	TOPUKLUK - C	S 235	NC7	1875,000	0,02	0,01	0,02
C150	TOPUKLUK - C	S 235	NC7	1875,000	0,01	0,01	0,01
C151	TOPUKLUK - C	S 235	NC2	2500,000	0,01	0,01	0,01
C152	TOPUKLUK - C	S 235	NC2	1718,750	0,01	0,01	0,01
C153	TOPUKLUK - C	S 235	NC7	1718,750	0,01	0,01	0,01
C154	TOPUKLUK - C	S 235	NC2	2343,750	0,01	0,01	0,01
C155	TOPUKLUK - C	S 235	NC10	1250,010	0,01	0,01	0,01
C156	TOPUKLUK - C	S 235	NC9	1249,990	0,10	0,01	0,10
C157	TOPUKLUK - C	S 235	NC2	2500,000	0,14	0,01	0,14
C158	TOPUKLUK - C	S 235	NC2	1718,750	0,06	0,01	0,06
C159	TOPUKLUK - C	S 235	NC2	1875,000	0,06	0,01	0,06
C160	TOPUKLUK - C	S 235	NC2	1875,000	0,01	0,01	0,01
C161	TOPUKLUK - C	S 235	NC7	1718,750	0,01	0,01	0,01
C162	TOPUKLUK - C	S 235	NC7	1718,750	0,01	0,01	0,01
C163	TOPUKLUK - C	S 235	NC2	1875,000	0,01	0,01	0,01
C164	TOPUKLUK - C	S 235	NC2	2500,000	0,01	0,01	0,01
C165	TOPUKLUK - C	S 235	NC5	1406,250	0,01	0,01	0,01
C166	TOPUKLUK - C	S 235	NC4	1249,990	0,11	0,01	0,11
C167	TOPUKLUK - C	S 235	NC7	2500,000	0,15	0,01	0,15
C168	TOPUKLUK - C	S 235	NC2	1718,750	0,07	0,01	0,07
C169	TOPUKLUK - C	S 235	NC2	1875,000	0,06	0,01	0,06
C170	TOPUKLUK - C	S 235	NC2	1875,000	0,01	0,01	0,01
C171	TOPUKLUK - C	S 235	NC7	1718,750	0,01	0,01	0,01
C172	TOPUKLUK - C	S 235	NC2	1718,750	0,01	0,01	0,01
C173	TOPUKLUK - C	S 235	NC2	1718,750	0,01	0,01	0,01
C174	TOPUKLUK - C	S 235	NC2	2500,000	0,01	0,01	0,01

Member	css	mat	Case	dx [mm]	un.check [-]	sec.check [-]	stab.check [-]
C175	TOPUKLUK - C	S 235	NC3	1406,250	0,01	0,01	0,01
C176	TOPUKLUK - C	S 235	NC4	1249,990	0,12	0,01	0,12
C177	TOPUKLUK - C	S 235	NC5	2500,000	0,16	0,01	0,16
C178	TOPUKLUK - C	S 235	NC7	1875,000	0,11	0,01	0,11
C179	TOPUKLUK - C	S 235	NC7	1875,000	0,10	0,01	0,10
C180	TOPUKLUK - C	S 235	NC2	1875,000	0,08	0,01	0,08
C181	TOPUKLUK - C	S 235	NC7	1875,000	0,08	0,01	0,08
C182	TOPUKLUK - C	S 235	NC2	1718,750	0,01	0,01	0,01
C183	TOPUKLUK - C	S 235	NC2	1875,000	0,01	0,01	0,01
C184	TOPUKLUK - C	S 235	NC2	2500,000	0,01	0,01	0,01
C185	TOPUKLUK - C	S 235	NC7	1875,000	0,01	0,01	0,01
C186	TOPUKLUK - C	S 235	NC5	1249,990	0,11	0,01	0,11
C187	TOPUKLUK - C	S 235	NC3	2500,000	0,06	0,00	0,06
C188	TOPUKLUK - C	S 235	NC4	1406,250	0,01	0,01	0,01
C189	TOPUKLUK - C	S 235	NC4	1406,250	0,06	0,01	0,06
C190	TOPUKLUK - C	S 235	NC4	1406,250	0,05	0,01	0,05
C191	TOPUKLUK - C	S 235	NC3	1562,500	0,06	0,01	0,06
C192	TOPUKLUK - C	S 235	NC3	1250,010	0,06	0,01	0,06
C193	TOPUKLUK - C	S 235	NC4	1249,990	0,05	0,01	0,05
C194	TOPUKLUK - C	S 235	NC4	1250,010	0,06	0,01	0,06
C195	TOPUKLUK - C	S 235	NC4	1093,750	0,01	0,01	0,01
C196	TOPUKLUK - C	S 235	NC3	1406,250	0,06	0,01	0,06
B1099	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,18	0,18	0,18
B1100	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,17	0,17	0,16
B1101	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,18	0,18	0,17
B1102	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,18	0,18	0,17
B1103	ÜST_PROFIL - RHS	S 235	NC1	0,000	0,18	0,18	0,18
B1104	ÜST_PROFIL - RHS	S 235	NC1	0,000	0,17	0,17	0,16
B1105	ÜST_PROFIL - RHS	S 235	NC1	0,000	0,18	0,18	0,18
B1106	ÜST_PROFIL - RHS	S 235	NC1	0,000	0,18	0,18	0,17
B1107	ÜST_PROFIL - RHS	S 235	NC1	0,000	0,18	0,18	0,18
B1108	ÜST_PROFIL - RHS	S 235	NC1	0,000	0,17	0,17	0,16
B1109	ÜST_PROFIL - RHS	S 235	NC8	0,000	0,18	0,18	0,17
CP2	DIYAGONAL - CHS	S 235	NC1	2957,431	0,04	0,04	0,00
CP12	DIYAGONAL - CHS	S 235	NC1	1888,368	0,05	0,05	0,00
CP50	DIYAGONAL - CHS	S 235	NC1	1888,368	0,05	0,05	0,00
CP57	DIYAGONAL - CHS	S 235	NC1	2957,431	0,04	0,04	0,00
CP61	DIYAGONAL - CHS	S 235	NC8	2957,431	0,05	0,05	0,00
CP65	DIYAGONAL - CHS	S 235	NC8	2957,431	0,05	0,05	0,00
CP69	DIYAGONAL - CHS	S 235	NC8	2957,431	0,05	0,05	0,00
CP70	DIYAGONAL - CHS	S 235	NC1	0,000	0,04	0,04	0,00
CP71	DIYAGONAL - CHS	S 235	NC8	2957,431	0,04	0,04	0,00
CP72	DIYAGONAL - CHS	S 235	NC8	2957,431	0,05	0,05	0,00
CP73	DIYAGONAL - CHS	S 235	NC1	2957,431	0,05	0,05	0,00
CP74	DIYAGONAL - CHS	S 235	NC1	2957,431	0,05	0,05	0,00
CP75	DIYAGONAL - CHS	S 235	NC8	2957,431	0,07	0,07	0,00
CP76	DIYAGONAL - CHS	S 235	NC1	0,000	0,04	0,04	0,00
CP77	DIYAGONAL - CHS	S 235	NC1	0,000	0,04	0,04	0,00
CP78	DIYAGONAL - CHS	S 235	NC1	0,000	0,04	0,04	0,00
CP79	DIYAGONAL - CHS	S 235	NC1	0,000	0,04	0,04	0,00
CP80	DIYAGONAL - CHS	S 235	NC8	0,000	0,04	0,04	0,00
CP81	DIYAGONAL - CHS	S 235	NC8	0,000	0,05	0,05	0,00
CP82	DIYAGONAL - CHS	S 235	NC1	0,000	0,05	0,05	0,00
CP83	DIYAGONAL - CHS	S 235	NC8	0,000	0,05	0,05	0,00
CP84	DIYAGONAL - CHS	S 235	NC8	0,000	0,05	0,05	0,00
CP85	DIYAGONAL - CHS	S 235	NC8	0,000	0,05	0,05	0,00
CP86	DIYAGONAL - CHS	S 235	NC8	0,000	0,06	0,06	0,00
CP87	DIYAGONAL - CHS	S 235	NC1	1888,368	0,05	0,05	0,00
CP88	DIYAGONAL - CHS	S 235	NC1	2957,431	0,04	0,04	0,00
CP89	DIYAGONAL - CHS	S 235	NC1	1888,368	0,05	0,05	0,00
CP90	DIYAGONAL - CHS	S 235	NC1	2957,431	0,04	0,04	0,00
CP91	DIYAGONAL - CHS	S 235	NC8	2957,431	0,05	0,05	0,00
CP92	DIYAGONAL - CHS	S 235	NC8	2957,431	0,05	0,05	0,00
CP93	DIYAGONAL - CHS	S 235	NC1	2957,431	0,05	0,05	0,00
CP94	DIYAGONAL - CHS	S 235	NC1	0,000	0,04	0,04	0,00
CP95	DIYAGONAL - CHS	S 235	NC8	2957,431	0,04	0,04	0,00
CP96	DIYAGONAL - CHS	S 235	NC1	2957,431	0,04	0,04	0,00
CP97	DIYAGONAL - CHS	S 235	NC8	2957,431	0,05	0,05	0,00
CP98	DIYAGONAL - CHS	S 235	NC8	2957,431	0,05	0,05	0,00
CP99	DIYAGONAL - CHS	S 235	NC8	2957,431	0,06	0,06	0,00
CP100	DIYAGONAL - CHS	S 235	NC1	0,000	0,04	0,04	0,00
CP101	DIYAGONAL - CHS	S 235	NC1	0,000	0,04	0,04	0,00
CP102	DIYAGONAL - CHS	S 235	NC1	0,000	0,04	0,04	0,00
CP103	DIYAGONAL - CHS	S 235	NC1	0,000	0,04	0,04	0,00
CP104	DIYAGONAL - CHS	S 235	NC1	0,000	0,04	0,04	0,00
CP105	DIYAGONAL - CHS	S 235	NC8	0,000	0,05	0,05	0,00

Member	css	mat	Case	dx [mm]	un.check [-]	sec.check [-]	stab.check [-]
CP106	DIYAGONAL - CHS	S 235	NC8	0,000	0,05	0,05	0,00
CP107	DIYAGONAL - CHS	S 235	NC8	0,000	0,05	0,05	0,00
CP108	DIYAGONAL - CHS	S 235	NC1	0,000	0,05	0,05	0,00
CP109	DIYAGONAL - CHS	S 235	NC8	0,000	0,05	0,05	0,00
CP110	DIYAGONAL - CHS	S 235	NC1	0,000	0,06	0,06	0,00
CP111	DIYAGONAL - CHS	S 235	NC1	1731,004	0,05	0,05	0,00
CP112	DIYAGONAL - CHS	S 235	NC1	2957,431	0,04	0,04	0,00
CP113	DIYAGONAL - CHS	S 235	NC1	1888,368	0,05	0,05	0,00
CP114	DIYAGONAL - CHS	S 235	NC1	2957,431	0,04	0,04	0,00
CP115	DIYAGONAL - CHS	S 235	NC8	2957,431	0,05	0,05	0,00
CP116	DIYAGONAL - CHS	S 235	NC1	2957,431	0,05	0,05	0,00
CP117	DIYAGONAL - CHS	S 235	NC8	2957,431	0,05	0,05	0,00
CP118	DIYAGONAL - CHS	S 235	NC8	0,000	0,04	0,04	0,00
CP119	DIYAGONAL - CHS	S 235	NC8	2957,431	0,04	0,04	0,00
CP120	DIYAGONAL - CHS	S 235	NC1	2957,431	0,04	0,04	0,00
CP121	DIYAGONAL - CHS	S 235	NC8	2957,431	0,05	0,05	0,00
CP122	DIYAGONAL - CHS	S 235	NC8	2957,431	0,05	0,05	0,00
CP123	DIYAGONAL - CHS	S 235	NC8	2957,431	0,06	0,06	0,00
CP124	DIYAGONAL - CHS	S 235	NC8	0,000	0,04	0,04	0,00
CP125	DIYAGONAL - CHS	S 235	NC1	0,000	0,04	0,04	0,00
CP126	DIYAGONAL - CHS	S 235	NC8	0,000	0,05	0,05	0,00
CP127	DIYAGONAL - CHS	S 235	NC1	0,000	0,05	0,05	0,00
CP128	DIYAGONAL - CHS	S 235	NC8	0,000	0,05	0,05	0,00
CP129	DIYAGONAL - CHS	S 235	NC8	0,000	0,05	0,05	0,00
CP130	DIYAGONAL - CHS	S 235	NC1	0,000	0,06	0,06	0,00
CP131	DIYAGONAL - CHS	S 235	NC8	0,000	0,06	0,06	0,00
CP132	DIYAGONAL - CHS	S 235	NC8	0,000	0,06	0,06	0,00
CP133	DIYAGONAL - CHS	S 235	NC8	0,000	0,06	0,06	0,00
CP134	DIYAGONAL - CHS	S 235	NC1	0,000	0,07	0,07	0,00

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