

Caepipe

přeložka HV Kralupy UT přívod

Quality Assurance Block

Caepipe

Version 10.10

Client : Digitronic CZ s.r.o.

Project : přeložka HV Kralupy

File Number : UT přívod

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Model Name : 2 UT přívod v1

Title : přeložka HV Kralupy UT přívod

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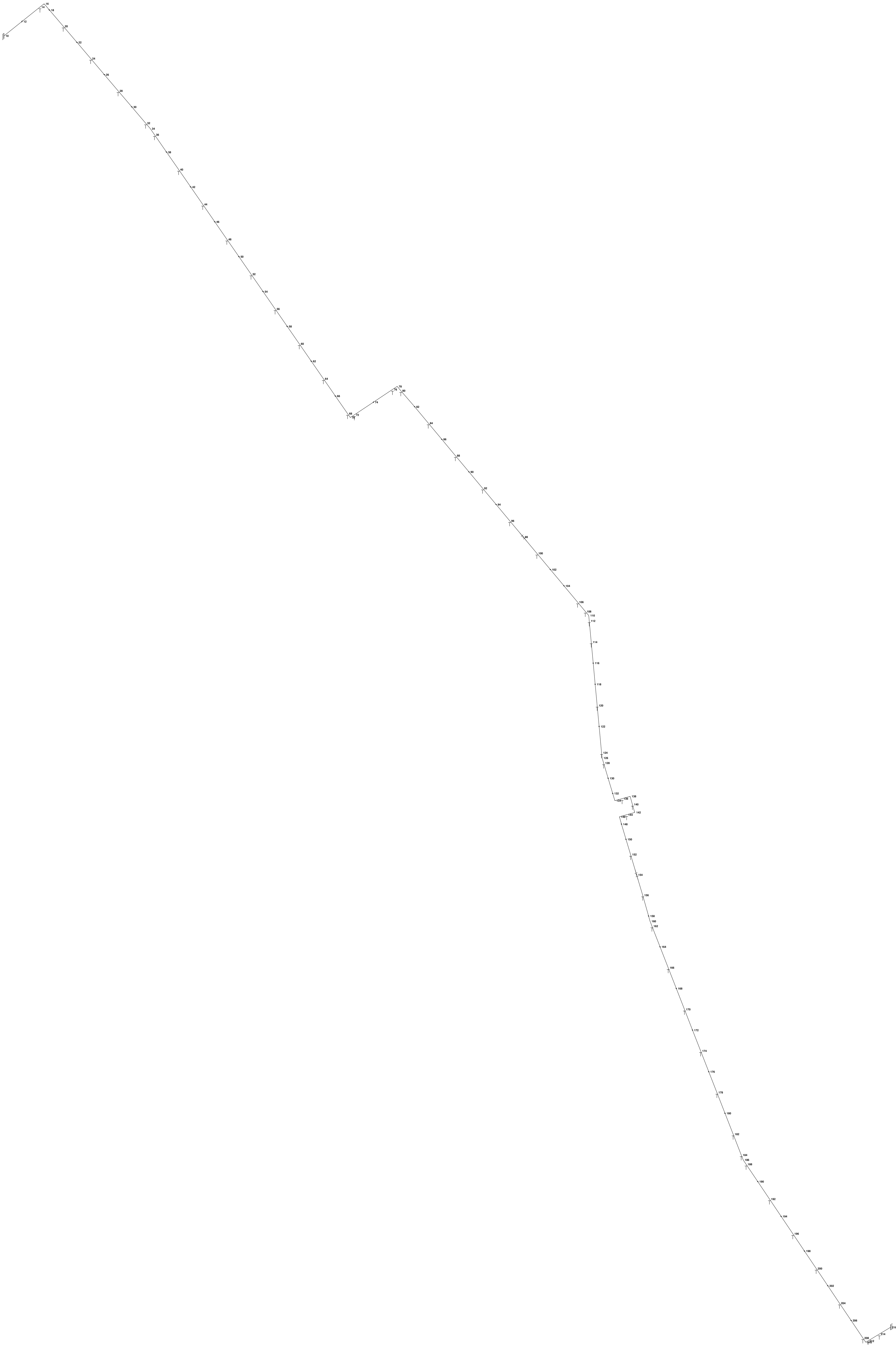


Table of Contents

Analysis options	1
Layout	1
Details	3
Anchors	3
Bends	3
Guides	4
Limit stops	5
Pipe materials	6
Pipe sections	6
Pipe loads	6
Code compliance	6
Support load summary	11
Anchor at Node 10	11
Anchor at Node 216	11
Guide at Node 12	12
Guide at Node 18	12
Guide at Node 22	12
Guide at Node 26	12
Guide at Node 30	12
Guide at Node 38	13
Guide at Node 42	13
Guide at Node 46	13
Guide at Node 50	13
Guide at Node 54	13
Guide at Node 58	14
Guide at Node 62	14
Guide at Node 66	14
Guide at Node 74	14
Guide at Node 82	14
Guide at Node 86	15
Guide at Node 90	15
Guide at Node 94	15
Guide at Node 98	15
Guide at Node 102	15
Guide at Node 104	16
Guide at Node 116	16
Guide at Node 118	16
Guide at Node 122	16
Guide at Node 130	16
Guide at Node 132	17
Guide at Node 148	17
Guide at Node 150	17
Guide at Node 154	17
Guide at Node 158	17
Guide at Node 164	18
Guide at Node 168	18
Guide at Node 172	18
Guide at Node 176	18
Guide at Node 180	18
Guide at Node 190	19
Guide at Node 194	19
Guide at Node 198	19
Guide at Node 202	19
Guide at Node 206	19
Limit stop at node 14 (0.000,0.000,1.000)	20
Limit stop at node 20 (0.000,0.000,1.000)	20

Table of Contents

Limit stop at node 24 (0.000,0.000,1.000)	20
Limit stop at node 28 (0.000,0.000,1.000)	20
Limit stop at node 32 (0.000,0.000,1.000)	20
Limit stop at node 36 (0.000,0.000,1.000)	21
Limit stop at node 40 (0.000,0.000,1.000)	21
Limit stop at node 44 (0.000,0.000,1.000)	21
Limit stop at node 48 (0.000,0.000,1.000)	21
Limit stop at node 52 (0.000,0.000,1.000)	21
Limit stop at node 56 (0.000,0.000,1.000)	22
Limit stop at node 60 (0.000,0.000,1.000)	22
Limit stop at node 64 (0.000,0.000,1.000)	22
Limit stop at node 68 (0.000,0.000,1.000)	22
Limit stop at node 72 (0.000,0.000,1.000)	22
Limit stop at node 76 (0.000,0.000,1.000)	23
Limit stop at node 80 (0.000,0.000,1.000)	23
Limit stop at node 84 (0.000,0.000,1.000)	23
Limit stop at node 88 (0.000,0.000,1.000)	23
Limit stop at node 92 (0.000,0.000,1.000)	23
Limit stop at node 96 (0.000,0.000,1.000)	24
Limit stop at node 100 (0.000,0.000,1.000)	24
Limit stop at node 106 (0.000,0.000,1.000)	24
Limit stop at node 108 (0.000,0.000,1.000)	24
Limit stop at node 112 (0.000,0.000,1.000)	24
Limit stop at node 114 (0.000,0.000,1.000)	25
Limit stop at node 120 (0.000,0.000,1.000)	25
Limit stop at node 124 (0.000,0.000,1.000)	25
Limit stop at node 128 (0.000,0.000,1.000)	25
Limit stop at node 136 (0.000,0.000,1.000)	25
Limit stop at node 140 (0.000,0.000,1.000)	26
Limit stop at node 144 (0.000,0.000,1.000)	26
Limit stop at node 152 (0.000,0.000,1.000)	26
Limit stop at node 156 (0.000,0.000,1.000)	26
Limit stop at node 162 (0.000,0.000,1.000)	26
Limit stop at node 166 (0.000,0.000,1.000)	27
Limit stop at node 170 (0.000,0.000,1.000)	27
Limit stop at node 174 (0.000,0.000,1.000)	27
Limit stop at node 178 (0.000,0.000,1.000)	27
Limit stop at node 182 (0.000,0.000,1.000)	27
Limit stop at node 184 (0.000,0.000,1.000)	28
Limit stop at node 188 (0.000,0.000,1.000)	28
Limit stop at node 192 (0.000,0.000,1.000)	28
Limit stop at node 196 (0.000,0.000,1.000)	28
Limit stop at node 200 (0.000,0.000,1.000)	28
Limit stop at node 204 (0.000,0.000,1.000)	29
Limit stop at node 208 (0.000,0.000,1.000)	29
Limit stop at node 212 (0.000,0.000,1.000)	29
Limit stop at node 214 (0.000,0.000,1.000)	29
Limit stop at node 98 (0.640,-0.768,0.000)	29
Limit stop at node 154 (0.286,-0.958,0.000)	30
Load case = Sustained (W+P)	30
Displacements	30
Load case = Operating (W+P1+T1)	32
Displacements	33
Load case = Operating (W+P2+T2)	35
Displacements	35

Analysis Options									
Code	: Piping code = EN 13480 (2017) Occasional load factor (k) = 1.20 Include axial force in stress calculations								
Temperature	: Reference temperature = 10 (C) Number of thermal cycles = 7000 Number of thermal loads = 2 Thermal = Operating - Sustained Use temperature dependent modulus								
Pressure	: Pressure stress = PD / 4t Peak pressure factor = 1.00 Include Bourdon effect Do not use pressure correction for bends								
Dynamics	: Cut off frequency = 33 Hz Number of modes = 20 Include missing mass correction Use friction in dynamic analysis								
Misc.	: Include hanger stiffness Vertical direction = Z								
Layout (108)									
#	Node	Type	DX (mm)	DY (mm)	DZ (mm)	Matl	Sect	Load	Data
1	Title = přeložka HV Kralupy UT přívod								
2	10	From	-63627	69665					Anchor
3	12		3393	2716		M1	125A	UTPR	Guide
4	14		3393	2716		M1	125A	UTPR	Limit stop
5	16	Bend	781	625		M1	125A	UTPR	
6	18		1006.72	-1183.82		M1	125A	UTPR	Guide
7	20		2596.47	-3053.26		M1	125A	UTPR	Limit stop
8	22		2592	-3047		M1	125A	UTPR	Guide
9	24		2592	-3047		M1	125A	UTPR	Limit stop
10	26		2592	-3047		M1	125A	UTPR	Guide
11	28		2592	-3047		M1	125A	UTPR	Limit stop
12	30		2592	-3047		M1	125A	UTPR	Guide
13	32		2592	-3047		M1	125A	UTPR	Limit stop
14	34		893.347	-1050.51		M1	125A	UTPR	
15	36		785	-1134		M1	125A	UTPR	Limit stop
16	38		2277	-3289		M1	125A	UTPR	Guide
17	40		2277	-3289		M1	125A	UTPR	Limit stop
18	42		2277	-3289		M1	125A	UTPR	Guide
19	44		2277	-3289		M1	125A	UTPR	Limit stop
20	46		2277	-3289		M1	125A	UTPR	Guide
21	48		2277	-3289		M1	125A	UTPR	Limit stop
22	50		2277	-3289		M1	125A	UTPR	Guide
23	52		2277	-3289		M1	125A	UTPR	Limit stop
24	54		2277	-3289		M1	125A	UTPR	Guide
25	56		2277	-3289		M1	125A	UTPR	Limit stop
26	58		2277	-3289		M1	125A	UTPR	Guide
27	60		2277	-3289		M1	125A	UTPR	Limit stop

Layout (108)									
#	Node	Type	DX (mm)	DY (mm)	DZ (mm)	Matl	Sect	Load	Data
28	62		2277	-3289		M1	125A	UTPR	Guide
29	64		2277	-3289		M1	125A	UTPR	Limit stop
30	66		2277	-3289		M1	125A	UTPR	Guide
31	68		2277	-3289		M1	100A	UTPR	Limit stop
32	70	Bend	526	-760		M1	100A	UTPR	
33	72		769	512		M1	100A	UTPR	Limit stop
34	74		3594	2389		M1	100A	UTPR	Guide
35	76		3595	2390		M1	100A	UTPR	Limit stop
36	78	Bend	891	592		M1	100A	UTPR	
37	80		685	-821		M1	100A	UTPR	Limit stop
38	82		2612.71	-3028.82		M1	100A	UTPR	Guide
39	84		2562	-3072		M1	100A	UTPR	Limit stop
40	86		2562	-3072		M1	100A	UTPR	Guide
41	88		2562	-3072		M1	100A	UTPR	Limit stop
42	90		2562	-3072		M1	100A	UTPR	Guide
43	92		2562	-3072		M1	100A	UTPR	Limit stop
44	94		2562	-3072		M1	100A	UTPR	Guide
45	96		2562	-3072		M1	100A	UTPR	Limit stop
46	98		2562	-3072		M1	100A	UTPR	Guide
47	100		2562	-3072		M1	100A	UTPR	Limit stop
48	102		2562	-3072		M1	100A	UTPR	Guide
49	104		2562	-3072		M1	100A	UTPR	Guide
50	106		2562	-3072		M1	100A	UTPR	Limit stop
51	108		1456	-1745		M1	100A	UTPR	Limit stop
52	110	Bend	656	-786		M1	100A	UTPR	
53	112		95	-1020		M1	100A	UTPR	Limit stop
54	114		373	-3983		M1	100A	UTPR	Limit stop
55	116		373	-3983		M1	100A	UTPR	Guide
56	118		373	-3983		M1	100A	UTPR	Guide
57	120		373	-3983		M1	100A	UTPR	Limit stop
58	122		373	-3983		M1	100A	UTPR	Guide
59	124		464	-4960		M1	100A	UTPR	Limit stop
60	126	Bend	88	-972		M1	100A	UTPR	
61	128		292	-967		M1	100A	UTPR	Limit stop
62	130		856.473	-2868.88		M1	100A	UTPR	Guide
63	132		856.759	-2869.84		M1	100A	UTPR	Guide
64	134	Bend	409.642	-1372.16		M1	100A	UTPR	
65	136		1367.61	389.527		M1	100A	UTPR	Limit stop
66	138	Bend	1517.64	432.26		M1	100A	UTPR	
67	140		429.339	-1518.47		M1	100A	UTPR	Limit stop
68	142	Bend	429.339	-1518.47		M1	100A	UTPR	
69	144		-1517.64	-432.26		M1	100A	UTPR	Limit stop
70	146	Bend	-1367.61	-389.527		M1	100A	UTPR	
71	148		389.615	-1377.98		M1	100A	UTPR	Guide
72	150		856.759	-2869.84		M1	100A	UTPR	Guide
73	152		856.473	-2868.88		M1	100A	UTPR	Limit stop

Layout (108)															
#	Node	Type	DX (mm)	DY (mm)	DZ (mm)	Matl	Sect	Load	Data						
74	154		1144.35	-3833.19		M1	100A	UTPR	Guide						
75	156		1144.35	-3833.19		M1	100A	UTPR	Limit stop						
76	158		1114.43	-3941.48		M1	100A	UTPR	Guide						
77	160	Bend	272.078	-962.275		M1	100A	UTPR							
78	162		363.487	-931.599		M1	100A	UTPR	Limit stop						
79	164		1531.82	-3925.98		M1	100A	UTPR	Guide						
80	166		1531.82	-3925.98		M1	100A	UTPR	Limit stop						
81	168		1531.82	-3925.98		M1	100A	UTPR	Guide						
82	170		1531.82	-3925.98		M1	100A	UTPR	Limit stop						
83	172		1531.82	-3925.98		M1	100A	UTPR	Guide						
84	174		1531.82	-3925.98		M1	100A	UTPR	Limit stop						
85	176		1531.82	-3925.98		M1	100A	UTPR	Guide						
86	178		1531.82	-3925.98		M1	100A	UTPR	Limit stop						
87	180		1531.82	-3925.98		M1	100A	UTPR	Guide						
88	182		1531.82	-3925.98		M1	100A	UTPR	Limit stop						
89	184		1531.82	-3925.98		M1	100A	UTPR	Limit stop						
90	186	Bend	363.487	-931.6		M1	100A	UTPR							
91	188		557.923	-829.893		M1	100A	UTPR	Limit stop						
92	190		2202.83	-3276.61		M1	100A	UTPR	Guide						
93	192		2202.83	-3276.61		M1	100A	UTPR	Limit stop						
94	194		2202.83	-3276.61		M1	100A	UTPR	Guide						
95	196		2202.83	-3276.61		M1	100A	UTPR	Limit stop						
96	198		2202.83	-3276.61		M1	100A	UTPR	Guide						
97	200		2202.83	-3276.61		M1	100A	UTPR	Limit stop						
98	202		2202.83	-3276.61		M1	100A	UTPR	Guide						
99	204		2202.83	-3276.61		M1	100A	UTPR	Limit stop						
100	206		2202.83	-3276.61		M1	100A	UTPR	Guide						
101	208		2202.83	-3276.61		M1	100A	UTPR	Limit stop						
102	210	Bend	557.923	-829.894		M1	100A	UTPR							
103	212		427.985	258.513		M1	100A	UTPR	Limit stop						
104	214		2122.01	1281.75		M1	100A	UTPR	Limit stop						
105	216		2122.01	1281.75		M1	100A	UTPR	Anchor						
106															
107	98	Location							Limit stop						
108	154	Location							Limit stop						
Anchors (2)															
Node	Tag	KX/kx (N/mm)	KY/ky (N/mm)	KZ/kz (N/mm)	KXX/kxx (Nm/deg)	KYY/kyy (Nm/deg)	KZZ/kzz (Nm/deg)	Releases						Anchor in	
								X	Y	Z	XX	YY	ZZ		
10		Rigid	Rigid	Rigid	Rigid	Rigid	Rigid							GCS	
216		Rigid	Rigid	Rigid	Rigid	Rigid	Rigid							GCS	
Bends (12)															
Bend Node	Radius (mm)	Rad. Type	Thk (mm)	Bend Matl	Flex.F	SIF	Int. Node	Angle (deg)	Int. Node	Angle (deg)					
16	190	User													
70	152	User													

Bends (12)										
Bend Node	Radius (mm)	Rad. Type	Thk (mm)	Bend Matl	Flex.F	SIF	Int. Node	Angle (deg)	Int. Node	Angle (deg)
78	152	User								
110	152	User								
126	152	User								
134	152	User								
138	152	User								
142	152	User								
146	152	User								
160	152	User								
186	152	User								
210	152	User								
Guides (40)										
Node	Tag	Friction Coeff	Stiffness (N/mm)	Gap (mm)	CNode					
12		0.300	Rigid							
18		0.300	Rigid							
22		0.300	Rigid							
26		0.300	Rigid							
30		0.300	Rigid							
38		0.300	Rigid							
42		0.300	Rigid							
46		0.300	Rigid							
50		0.300	Rigid							
54		0.300	Rigid							
58		0.300	Rigid							
62		0.300	Rigid							
66		0.300	Rigid							
74		0.300	Rigid							
82		0.300	Rigid							
86		0.300	Rigid							
90		0.300	Rigid							
94		0.300	Rigid							
98		0.300	Rigid							
102		0.300	Rigid							
104		0.300	Rigid							
116		0.300	Rigid							
118		0.300	Rigid							
122		0.300	Rigid							
130		0.300	Rigid							
132		0.300	Rigid							
148		0.300	Rigid							
150		0.300	Rigid							
154		0.300	Rigid							
158		0.300	Rigid							
164		0.300	Rigid							
168		0.300	Rigid							

Guides (40)									
Node	Tag	Friction Coeff	Stiffness (N/mm)	Gap (mm)	CNode				
172		0.300	Rigid						
176		0.300	Rigid						
180		0.300	Rigid						
190		0.300	Rigid						
194		0.300	Rigid						
198		0.300	Rigid						
202		0.300	Rigid						
206		0.300	Rigid						
Limit stops (51)									
Node	Tag	Lower Lmt (mm)	Upper Lmt (mm)	Direction			Friction Coeff.	Stiffness (N/mm)	CNode
				X comp	Y comp	Z comp			
14		0.000	None			1.000	0.300	Rigid	
20		0.000	None			1.000	0.300	Rigid	
24		0.000	None			1.000	0.300	Rigid	
28		0.000	None			1.000	0.300	Rigid	
32		0.000	None			1.000	0.300	Rigid	
36		0.000	None			1.000	0.300	Rigid	
40		0.000	None			1.000	0.300	Rigid	
44		0.000	None			1.000	0.300	Rigid	
48		0.000	None			1.000	0.300	Rigid	
52		0.000	None			1.000	0.300	Rigid	
56		0.000	None			1.000	0.300	Rigid	
60		0.000	None			1.000	0.300	Rigid	
64		0.000	None			1.000	0.300	Rigid	
68		0.000	None			1.000	0.300	Rigid	
72		0.000	None			1.000	0.300	Rigid	
76		0.000	None			1.000	0.300	Rigid	
80		0.000	None			1.000	0.300	Rigid	
84		0.000	None			1.000	0.300	Rigid	
88		0.000	None			1.000	0.300	Rigid	
92		0.000	None			1.000	0.300	Rigid	
96		0.000	None			1.000	0.300	Rigid	
100		0.000	None			1.000	0.300	Rigid	
106		0.000	None			1.000	0.300	Rigid	
108		0.000	None			1.000	0.300	Rigid	
112		0.000	None			1.000	0.300	Rigid	
114		0.000	None			1.000	0.300	Rigid	
120		0.000	None			1.000	0.300	Rigid	
124		0.000	None			1.000	0.300	Rigid	
128		0.000	None			1.000	0.300	Rigid	
136		0.000	None			1.000	0.300	Rigid	
140		0.000	None			1.000	0.300	Rigid	
144		0.000	None			1.000	0.300	Rigid	
152		0.000	None			1.000	0.300	Rigid	
156		0.000	None			1.000	0.300	Rigid	

Limit stops (51)											
Node	Tag	Lower Lmt (mm)	Upper Lmt (mm)	Direction			Friction Coeff.	Stiffness (N/mm)	CNode		
				X comp	Y comp	Z comp					
162		0.000	None			1.000	0.300	Rigid			
166		0.000	None			1.000	0.300	Rigid			
170		0.000	None			1.000	0.300	Rigid			
174		0.000	None			1.000	0.300	Rigid			
178		0.000	None			1.000	0.300	Rigid			
182		0.000	None			1.000	0.300	Rigid			
184		0.000	None			1.000	0.300	Rigid			
188		0.000	None			1.000	0.300	Rigid			
192		0.000	None			1.000	0.300	Rigid			
196		0.000	None			1.000	0.300	Rigid			
200		0.000	None			1.000	0.300	Rigid			
204		0.000	None			1.000	0.300	Rigid			
208		0.000	None			1.000	0.300	Rigid			
212		0.000	None			1.000	0.300	Rigid			
214		0.000	None			1.000	0.300	Rigid			
98		-50.000	50.000	0.640	-0.768		0.300	Rigid			
154		-50.000	50.000	0.286	-0.958		0.300	Rigid			
Pipe material M1: EN 1.0345 (P235GH) z=1											
Density = 7850 (kg/m3), Nu = 0.300, Joint factor = 1.00, Type = CS Tensile strength = 360.0 (MPa)											
Temp (C)	E (MPa)	Alpha (mm/mm/C)	f (MPa)	fCR (MPa)							
20	212000	11.90E-6	150.0								
50	209500	12.20E-6	150.0								
100	207000	12.50E-6	132.0								
150	203000	12.80E-6	124.7								
Pipe Sections (2)											
Name	Nom Dia	Sch	OD (mm)	Thk (mm)	Cor.Al (mm)	M.Tol (%)	Ins.Dens (kg/m3)	Ins.Thk (mm)	Lin.Dens (kg/m3)	Lin.Thk (mm)	Soil
100A	Non Std		114.3	3.6	1	12.5	100	80			
125A	Non Std		139.7	4	1	12.5	100	60			
Pipe Loads (1)											
Name	T1 (C)	P1 (bar)	T2 (C)	P2 (bar)	Desg.T (C)	Desg.Pr. (bar)	Specific gravity	Add.Wgt. (kg/m)	Wind Load		
UTPR	80	6.00	0	6.00	105	16.0	1.0				
EN 13480 (2017) Code Compliance											
Node	Press. Allow. (bar)	Sustained (12.3.2-1)			Expansion (12.3.4-1)			Expansion (12.3.4-2)			
		S1 (MPa)	ff (MPa)	S1 ff	S3 (MPa)	fa (MPa)	S3 fa	S4 (MPa)	ff+fa (MPa)	S4 ff+fa	
10	16.0	13.08	139.2	0.09	29.87	176.6	0.17	42.95	315.8	0.14	
12	47.8	14.90	139.2	0.11	56.98	176.6	0.32	71.88	315.8	0.23	
12	16.0	14.90	139.2	0.11	56.30	176.6	0.32	71.21	315.8	0.23	
14	47.8	9.386	139.2	0.07	34.92	176.6	0.20	44.31	315.8	0.14	
14	16.0	9.386	139.2	0.07	34.84	176.6	0.20	44.23	315.8	0.14	
16A	47.8	5.695	139.2	0.04	59.22	176.6	0.34	64.92	315.8	0.21	

EN 13480 (2017) Code Compliance										
Node	Press.	Sustained (12.3.2-1)			Expansion (12.3.4-1)			Expansion (12.3.4-2)		
	Allow. (bar)	S1 (MPa)	ff (MPa)	S1 ff	S3 (MPa)	fa (MPa)	S3 fa	S4 (MPa)	ff+fa (MPa)	S4 ff+fa
16A	16.0	6.038	139.2	0.04	172.5	176.6	0.98	178.5	315.8	0.57
16B	36.9	5.381	139.2	0.04	149.4	176.6	0.85	154.8	315.8	0.49
16B	16.0	5.338	139.2	0.04	50.66	176.6	0.29	56.00	315.8	0.18
18	47.8	9.095	139.2	0.07	46.53	176.6	0.26	55.62	315.8	0.18
18	16.0	9.095	139.2	0.07	47.40	176.6	0.27	56.49	315.8	0.18
20	47.8	13.29	139.2	0.10	14.19	176.6	0.08	27.48	315.8	0.09
20	16.0	13.29	139.2	0.10	14.63	176.6	0.08	27.92	315.8	0.09
22	47.8	12.15	139.2	0.09	12.57	176.6	0.07	24.72	315.8	0.08
22	16.0	12.15	139.2	0.09	13.00	176.6	0.07	25.15	315.8	0.08
24	47.8	12.44	139.2	0.09	5.827	176.6	0.03	18.27	315.8	0.06
24	16.0	12.44	139.2	0.09	6.252	176.6	0.04	18.70	315.8	0.06
26	47.8	12.41	139.2	0.09	4.451	176.6	0.03	16.86	315.8	0.05
26	16.0	12.41	139.2	0.09	4.877	176.6	0.03	17.29	315.8	0.05
28	47.8	12.25	139.2	0.09	5.427	176.6	0.03	17.68	315.8	0.06
28	16.0	12.25	139.2	0.09	5.847	176.6	0.03	18.10	315.8	0.06
30	47.8	12.93	139.2	0.09	9.461	176.6	0.05	22.40	315.8	0.07
30	16.0	12.93	139.2	0.09	9.904	176.6	0.06	22.84	315.8	0.07
32	47.8	10.35	139.2	0.07	9.339	176.6	0.05	19.69	315.8	0.06
32	16.0	10.35	139.2	0.07	9.650	176.6	0.05	20.00	315.8	0.06
34	47.8	5.315	139.2	0.04	19.47	176.6	0.11	24.78	315.8	0.08
34	16.0	5.315	139.2	0.04	19.47	176.6	0.11	24.78	315.8	0.08
36	47.8	10.35	139.2	0.07	9.264	176.6	0.05	19.61	315.8	0.06
36	16.0	10.35	139.2	0.07	9.574	176.6	0.05	19.92	315.8	0.06
38	47.8	12.93	139.2	0.09	11.51	176.6	0.07	24.44	315.8	0.08
38	16.0	12.93	139.2	0.09	11.95	176.6	0.07	24.88	315.8	0.08
40	47.8	12.25	139.2	0.09	6.566	176.6	0.04	18.81	315.8	0.06
40	16.0	12.25	139.2	0.09	6.574	176.6	0.04	18.82	315.8	0.06
42	47.8	12.43	139.2	0.09	5.627	176.6	0.03	18.06	315.8	0.06
42	16.0	12.43	139.2	0.09	5.627	176.6	0.03	18.06	315.8	0.06
44	47.8	12.38	139.2	0.09	5.588	176.6	0.03	17.97	315.8	0.06
44	16.0	12.38	139.2	0.09	5.251	176.6	0.03	17.63	315.8	0.06
46	47.8	12.39	139.2	0.09	5.254	176.6	0.03	17.65	315.8	0.06
46	16.0	12.39	139.2	0.09	4.830	176.6	0.03	17.22	315.8	0.05
48	47.8	12.39	139.2	0.09	4.828	176.6	0.03	17.22	315.8	0.05
48	16.0	12.39	139.2	0.09	4.403	176.6	0.02	16.79	315.8	0.05
50	47.8	12.39	139.2	0.09	4.428	176.6	0.03	16.82	315.8	0.05
50	16.0	12.39	139.2	0.09	4.003	176.6	0.02	16.39	315.8	0.05
52	47.8	12.39	139.2	0.09	4.008	176.6	0.02	16.40	315.8	0.05
52	16.0	12.39	139.2	0.09	3.583	176.6	0.02	15.97	315.8	0.05
54	47.8	12.39	139.2	0.09	3.678	176.6	0.02	16.07	315.8	0.05
54	16.0	12.39	139.2	0.09	3.254	176.6	0.02	15.64	315.8	0.05
56	47.8	12.39	139.2	0.09	3.280	176.6	0.02	15.67	315.8	0.05
56	16.0	12.39	139.2	0.09	2.855	176.6	0.02	15.25	315.8	0.05
58	47.8	12.39	139.2	0.09	3.248	176.6	0.02	15.64	315.8	0.05
58	16.0	12.39	139.2	0.09	2.823	176.6	0.02	15.22	315.8	0.05
60	47.8	12.39	139.2	0.09	2.942	176.6	0.02	15.33	315.8	0.05
60	16.0	12.39	139.2	0.09	2.517	176.6	0.01	14.90	315.8	0.05
62	47.8	12.41	139.2	0.09	4.156	176.6	0.02	16.57	315.8	0.05

EN 13480 (2017) Code Compliance										
Node	Press.	Sustained (12.3.2-1)			Expansion (12.3.4-1)			Expansion (12.3.4-2)		
	Allow. (bar)	S1 (MPa)	ff (MPa)	S1 ff	S3 (MPa)	fa (MPa)	S3 fa	S4 (MPa)	ff+fa (MPa)	S4 ff+fa
62	16.0	12.41	139.2	0.09	3.730	176.6	0.02	16.14	315.8	0.05
64	47.8	12.32	139.2	0.09	4.237	176.6	0.02	16.55	315.8	0.05
64	16.0	12.32	139.2	0.09	3.815	176.6	0.02	16.13	315.8	0.05
66	47.8	12.67	139.2	0.09	10.71	176.6	0.06	23.38	315.8	0.07
66	16.0	17.20	139.2	0.12	17.05	176.6	0.10	34.25	315.8	0.11
68	50.3	7.148	139.2	0.05	25.68	176.6	0.15	32.83	315.8	0.10
68	16.0	7.148	139.2	0.05	25.42	176.6	0.14	32.57	315.8	0.10
70A	50.3	5.372	139.2	0.04	34.54	176.6	0.20	39.91	315.8	0.13
70A	16.0	5.827	139.2	0.04	97.03	176.6	0.55	102.9	315.8	0.33
70B	38.5	5.729	139.2	0.04	93.45	176.6	0.53	99.18	315.8	0.31
70B	16.0	5.580	139.2	0.04	33.14	176.6	0.19	38.72	315.8	0.12
72	50.3	8.816	139.2	0.06	18.62	176.6	0.11	27.44	315.8	0.09
72	16.0	8.816	139.2	0.06	18.63	176.6	0.11	27.45	315.8	0.09
74	50.3	18.75	139.2	0.13	16.40	176.6	0.09	35.15	315.8	0.11
74	16.0	18.75	139.2	0.13	16.38	176.6	0.09	35.13	315.8	0.11
76	50.3	9.378	139.2	0.07	13.21	176.6	0.07	22.59	315.8	0.07
76	16.0	9.378	139.2	0.07	13.19	176.6	0.07	22.57	315.8	0.07
78A	50.3	5.516	139.2	0.04	22.10	176.6	0.13	27.62	315.8	0.09
78A	16.0	5.556	139.2	0.04	62.19	176.6	0.35	67.74	315.8	0.21
78B	38.5	5.950	139.2	0.04	62.94	176.6	0.36	68.89	315.8	0.22
78B	16.0	5.433	139.2	0.04	22.39	176.6	0.13	27.83	315.8	0.09
80	50.3	8.508	139.2	0.06	13.67	176.6	0.08	22.17	315.8	0.07
80	16.0	8.508	139.2	0.06	13.96	176.6	0.08	22.47	315.8	0.07
82	50.3	15.42	139.2	0.11	11.80	176.6	0.07	27.22	315.8	0.09
82	16.0	15.42	139.2	0.11	12.29	176.6	0.07	27.71	315.8	0.09
84	50.3	13.61	139.2	0.10	3.301	176.6	0.02	16.91	315.8	0.05
84	16.0	13.61	139.2	0.10	3.736	176.6	0.02	17.35	315.8	0.05
86	50.3	14.09	139.2	0.10	3.962	176.6	0.02	18.06	315.8	0.06
86	16.0	14.09	139.2	0.10	4.411	176.6	0.02	18.50	315.8	0.06
88	50.3	13.97	139.2	0.10	2.482	176.6	0.01	16.45	315.8	0.05
88	16.0	13.97	139.2	0.10	2.927	176.6	0.02	16.89	315.8	0.05
90	50.3	14.00	139.2	0.10	2.949	176.6	0.02	16.95	315.8	0.05
90	16.0	14.00	139.2	0.10	3.395	176.6	0.02	17.39	315.8	0.06
92	50.3	13.99	139.2	0.10	2.953	176.6	0.02	16.94	315.8	0.05
92	16.0	13.99	139.2	0.10	3.399	176.6	0.02	17.39	315.8	0.06
94	50.3	13.99	139.2	0.10	3.482	176.6	0.02	17.47	315.8	0.06
94	16.0	13.99	139.2	0.10	3.928	176.6	0.02	17.92	315.8	0.06
96	50.3	14.00	139.2	0.10	3.784	176.6	0.02	17.78	315.8	0.06
96	16.0	14.00	139.2	0.10	3.899	176.6	0.02	17.89	315.8	0.06
98	50.3	13.98	139.2	0.10	4.520	176.6	0.03	18.50	315.8	0.06
98	16.0	13.98	139.2	0.10	4.402	176.6	0.02	18.38	315.8	0.06
100	50.3	14.03	139.2	0.10	3.900	176.6	0.02	17.93	315.8	0.06
100	16.0	14.03	139.2	0.10	3.457	176.6	0.02	17.49	315.8	0.06
102	50.3	13.85	139.2	0.10	10.17	176.6	0.06	24.02	315.8	0.08
102	16.0	13.85	139.2	0.10	9.712	176.6	0.05	23.56	315.8	0.07
104	50.3	14.52	139.2	0.10	33.08	176.6	0.19	47.60	315.8	0.15
104	16.0	14.52	139.2	0.10	32.59	176.6	0.18	47.11	315.8	0.15
106	50.3	12.01	139.2	0.09	8.168	176.6	0.05	20.18	315.8	0.06

EN 13480 (2017) Code Compliance										
Node	Press.	Sustained (12.3.2-1)			Expansion (12.3.4-1)			Expansion (12.3.4-2)		
	Allow. (bar)	S1 (MPa)	ff (MPa)	S1 ff	S3 (MPa)	fa (MPa)	S3 fa	S4 (MPa)	ff+fa (MPa)	S4 ff+fa
106	16.0	12.01	139.2	0.09	7.943	176.6	0.04	19.96	315.8	0.06
108	50.3	5.192	139.2	0.04	36.78	176.6	0.21	41.98	315.8	0.13
108	16.0	5.192	139.2	0.04	36.73	176.6	0.21	41.92	315.8	0.13
110A	50.3	4.851	139.2	0.03	58.82	176.6	0.33	63.67	315.8	0.20
110A	16.0	4.871	139.2	0.03	163.0	176.6	0.92	167.9	315.8	0.53
110B	38.5	5.137	139.2	0.04	162.6	176.6	0.92	167.7	315.8	0.53
110B	16.0	4.997	139.2	0.04	58.64	176.6	0.33	63.63	315.8	0.20
112	50.3	11.72	139.2	0.08	33.38	176.6	0.19	45.10	315.8	0.14
112	16.0	11.72	139.2	0.08	33.46	176.6	0.19	45.19	315.8	0.14
114	50.3	14.62	139.2	0.11	19.42	176.6	0.11	34.04	315.8	0.11
114	16.0	14.62	139.2	0.11	19.71	176.6	0.11	34.32	315.8	0.11
116	50.3	13.76	139.2	0.10	19.57	176.6	0.11	33.33	315.8	0.11
116	16.0	13.76	139.2	0.10	19.89	176.6	0.11	33.65	315.8	0.11
118	50.3	14.32	139.2	0.10	6.409	176.6	0.04	20.73	315.8	0.07
118	16.0	14.32	139.2	0.10	6.527	176.6	0.04	20.84	315.8	0.07
120	50.3	12.93	139.2	0.09	3.025	176.6	0.02	15.95	315.8	0.05
120	16.0	12.93	139.2	0.09	2.608	176.6	0.01	15.54	315.8	0.05
122	50.3	17.95	139.2	0.13	4.916	176.6	0.03	22.87	315.8	0.07
122	16.0	17.95	139.2	0.13	4.388	176.6	0.02	22.34	315.8	0.07
124	50.3	15.81	139.2	0.11	6.757	176.6	0.04	22.57	315.8	0.07
124	16.0	15.81	139.2	0.11	6.310	176.6	0.04	22.12	315.8	0.07
126A	50.3	7.847	139.2	0.06	11.26	176.6	0.06	19.11	315.8	0.06
126A	16.0	10.23	139.2	0.07	28.97	176.6	0.16	39.20	315.8	0.12
126B	38.5	9.926	139.2	0.07	28.88	176.6	0.16	38.81	315.8	0.12
126B	16.0	7.698	139.2	0.06	11.23	176.6	0.06	18.92	315.8	0.06
128	50.3	6.422	139.2	0.05	4.104	176.6	0.02	10.53	315.8	0.03
128	16.0	6.422	139.2	0.05	3.936	176.6	0.02	10.36	315.8	0.03
130	50.3	10.84	139.2	0.08	14.23	176.6	0.08	25.07	315.8	0.08
130	16.0	10.84	139.2	0.08	13.83	176.6	0.08	24.67	315.8	0.08
132	50.3	9.945	139.2	0.07	24.57	176.6	0.14	34.52	315.8	0.11
132	16.0	9.945	139.2	0.07	24.31	176.6	0.14	34.26	315.8	0.11
134A	50.3	5.827	139.2	0.04	33.79	176.6	0.19	39.61	315.8	0.13
134A	16.0	6.532	139.2	0.05	94.55	176.6	0.54	101.1	315.8	0.32
134B	38.5	5.880	139.2	0.04	85.81	176.6	0.49	91.69	315.8	0.29
134B	16.0	5.750	139.2	0.04	30.37	176.6	0.17	36.12	315.8	0.11
136	50.3	11.71	139.2	0.08	4.082	176.6	0.02	15.80	315.8	0.05
136	16.0	11.71	139.2	0.08	3.908	176.6	0.02	15.62	315.8	0.05
138A	50.3	5.685	139.2	0.04	28.84	176.6	0.16	34.52	315.8	0.11
138A	16.0	5.688	139.2	0.04	81.77	176.6	0.46	87.46	315.8	0.28
138B	38.5	6.095	139.2	0.04	89.19	176.6	0.51	95.29	315.8	0.30
138B	16.0	5.515	139.2	0.04	31.74	176.6	0.18	37.25	315.8	0.12
140	50.3	13.50	139.2	0.10	30.37	176.6	0.17	43.88	315.8	0.14
140	16.0	13.50	139.2	0.10	30.49	176.6	0.17	44.00	315.8	0.14
142A	50.3	5.509	139.2	0.04	45.01	176.6	0.25	50.52	315.8	0.16
142A	16.0	6.084	139.2	0.04	126.5	176.6	0.72	132.6	315.8	0.42
142B	38.5	5.716	139.2	0.04	120.2	176.6	0.68	125.9	315.8	0.40
142B	16.0	5.689	139.2	0.04	42.53	176.6	0.24	48.22	315.8	0.15
144	50.3	11.62	139.2	0.08	7.778	176.6	0.04	19.40	315.8	0.06

EN 13480 (2017) Code Compliance										
Node	Press.	Sustained (12.3.2-1)			Expansion (12.3.4-1)			Expansion (12.3.4-2)		
	Allow. (bar)	S1 (MPa)	ff (MPa)	S1 ff	S3 (MPa)	fa (MPa)	S3 fa	S4 (MPa)	ff+fa (MPa)	S4 ff+fa
144	16.0	11.62	139.2	0.08	7.848	176.6	0.04	19.47	315.8	0.06
146A	50.3	5.715	139.2	0.04	38.50	176.6	0.22	44.21	315.8	0.14
146A	16.0	5.794	139.2	0.04	108.6	176.6	0.61	114.4	315.8	0.36
146B	38.5	6.452	139.2	0.05	119.0	176.6	0.67	125.5	315.8	0.40
146B	16.0	5.759	139.2	0.04	42.57	176.6	0.24	48.33	315.8	0.15
148	50.3	10.14	139.2	0.07	25.82	176.6	0.15	35.96	315.8	0.11
148	16.0	10.14	139.2	0.07	26.15	176.6	0.15	36.28	315.8	0.11
150	50.3	9.295	139.2	0.07	5.164	176.6	0.03	14.46	315.8	0.05
150	16.0	9.295	139.2	0.07	5.498	176.6	0.03	14.79	315.8	0.05
152	50.3	12.36	139.2	0.09	2.610	176.6	0.01	14.97	315.8	0.05
152	16.0	12.36	139.2	0.09	3.009	176.6	0.02	15.37	315.8	0.05
154	50.3	14.13	139.2	0.10	4.958	176.6	0.03	19.08	315.8	0.06
154	16.0	14.13	139.2	0.10	5.408	176.6	0.03	19.53	315.8	0.06
156	50.3	15.12	139.2	0.11	4.675	176.6	0.03	19.80	315.8	0.06
156	16.0	15.12	139.2	0.11	5.147	176.6	0.03	20.27	315.8	0.06
158	50.3	10.87	139.2	0.08	8.691	176.6	0.05	19.56	315.8	0.06
158	16.0	10.87	139.2	0.08	9.025	176.6	0.05	19.89	315.8	0.06
160A	50.3	7.608	139.2	0.05	8.184	176.6	0.05	15.79	315.8	0.05
160A	16.0	9.769	139.2	0.07	17.20	176.6	0.10	26.97	315.8	0.09
160B	38.5	9.809	139.2	0.07	17.42	176.6	0.10	27.23	315.8	0.09
160B	16.0	7.611	139.2	0.05	8.271	176.6	0.05	15.88	315.8	0.05
162	50.3	11.25	139.2	0.08	7.192	176.6	0.04	18.44	315.8	0.06
162	16.0	11.25	139.2	0.08	7.522	176.6	0.04	18.77	315.8	0.06
164	50.3	16.01	139.2	0.12	3.779	176.6	0.02	19.79	315.8	0.06
164	16.0	16.01	139.2	0.12	4.272	176.6	0.02	20.28	315.8	0.06
166	50.3	14.74	139.2	0.11	4.242	176.6	0.02	18.98	315.8	0.06
166	16.0	14.74	139.2	0.11	4.705	176.6	0.03	19.45	315.8	0.06
168	50.3	15.08	139.2	0.11	4.625	176.6	0.03	19.70	315.8	0.06
168	16.0	15.08	139.2	0.11	5.096	176.6	0.03	20.18	315.8	0.06
170	50.3	14.99	139.2	0.11	5.067	176.6	0.03	20.06	315.8	0.06
170	16.0	14.99	139.2	0.11	5.537	176.6	0.03	20.53	315.8	0.06
172	50.3	15.01	139.2	0.11	5.540	176.6	0.03	20.55	315.8	0.07
172	16.0	15.01	139.2	0.11	6.009	176.6	0.03	21.02	315.8	0.07
174	50.3	15.01	139.2	0.11	6.006	176.6	0.03	21.02	315.8	0.07
174	16.0	15.01	139.2	0.11	6.475	176.6	0.04	21.49	315.8	0.07
176	50.3	14.99	139.2	0.11	6.947	176.6	0.04	21.93	315.8	0.07
176	16.0	14.99	139.2	0.11	7.269	176.6	0.04	22.26	315.8	0.07
178	50.3	15.09	139.2	0.11	6.867	176.6	0.04	21.96	315.8	0.07
178	16.0	15.09	139.2	0.11	6.398	176.6	0.04	21.49	315.8	0.07
180	50.3	14.70	139.2	0.11	11.62	176.6	0.07	26.32	315.8	0.08
180	16.0	14.70	139.2	0.11	11.16	176.6	0.06	25.85	315.8	0.08
182	50.3	16.17	139.2	0.12	18.68	176.6	0.11	34.85	315.8	0.11
182	16.0	16.17	139.2	0.12	18.28	176.6	0.10	34.45	315.8	0.11
184	50.3	10.64	139.2	0.08	31.41	176.6	0.18	42.06	315.8	0.13
184	16.0	10.64	139.2	0.08	31.27	176.6	0.18	41.92	315.8	0.13
186A	50.3	6.609	139.2	0.05	51.19	176.6	0.29	57.80	315.8	0.18
186A	16.0	8.028	139.2	0.06	135.5	176.6	0.77	143.5	315.8	0.45
186B	38.5	7.981	139.2	0.06	135.4	176.6	0.77	143.4	315.8	0.45

EN 13480 (2017) Code Compliance										
Node	Press.	Sustained (12.3.2-1)			Expansion (12.3.4-1)			Expansion (12.3.4-2)		
	Allow. (bar)	S1 (MPa)	ff (MPa)	S1 ff	S3 (MPa)	fa (MPa)	S3 fa	S4 (MPa)	ff+fa (MPa)	S4 ff+fa
186B	16.0	6.589	139.2	0.05	51.14	176.6	0.29	57.73	315.8	0.18
188	50.3	9.458	139.2	0.07	28.15	176.6	0.16	37.61	315.8	0.12
188	16.0	9.458	139.2	0.07	28.07	176.6	0.16	37.53	315.8	0.12
190	50.3	14.90	139.2	0.11	33.95	176.6	0.19	48.85	315.8	0.15
190	16.0	14.90	139.2	0.11	33.45	176.6	0.19	48.36	315.8	0.15
192	50.3	13.45	139.2	0.10	7.906	176.6	0.04	21.36	315.8	0.07
192	16.0	13.45	139.2	0.10	7.493	176.6	0.04	20.94	315.8	0.07
194	50.3	13.84	139.2	0.10	8.724	176.6	0.05	22.56	315.8	0.07
194	16.0	13.84	139.2	0.10	8.281	176.6	0.05	22.12	315.8	0.07
196	50.3	13.73	139.2	0.10	4.734	176.6	0.03	18.47	315.8	0.06
196	16.0	13.73	139.2	0.10	4.294	176.6	0.02	18.03	315.8	0.06
198	50.3	13.77	139.2	0.10	5.102	176.6	0.03	18.87	315.8	0.06
198	16.0	13.77	139.2	0.10	4.662	176.6	0.03	18.43	315.8	0.06
200	50.3	13.74	139.2	0.10	3.591	176.6	0.02	17.33	315.8	0.05
200	16.0	13.74	139.2	0.10	3.151	176.6	0.02	16.89	315.8	0.05
202	50.3	13.82	139.2	0.10	6.070	176.6	0.03	19.89	315.8	0.06
202	16.0	13.82	139.2	0.10	5.627	176.6	0.03	19.44	315.8	0.06
204	50.3	13.54	139.2	0.10	5.857	176.6	0.03	19.40	315.8	0.06
204	16.0	13.54	139.2	0.10	5.423	176.6	0.03	18.97	315.8	0.06
206	50.3	14.57	139.2	0.10	16.44	176.6	0.09	31.00	315.8	0.10
206	16.0	14.57	139.2	0.10	15.96	176.6	0.09	30.52	315.8	0.10
208	50.3	10.73	139.2	0.08	32.22	176.6	0.18	42.95	315.8	0.14
208	16.0	10.73	139.2	0.08	31.87	176.6	0.18	42.60	315.8	0.13
210A	50.3	5.359	139.2	0.04	44.13	176.6	0.25	49.49	315.8	0.16
210A	16.0	5.756	139.2	0.04	123.7	176.6	0.70	129.4	315.8	0.41
210B	38.5	5.806	139.2	0.04	116.6	176.6	0.66	122.4	315.8	0.39
210B	16.0	5.364	139.2	0.04	41.38	176.6	0.23	46.74	315.8	0.15
212	50.3	5.553	139.2	0.04	30.55	176.6	0.17	36.10	315.8	0.11
212	16.0	5.553	139.2	0.04	30.56	176.6	0.17	36.12	315.8	0.11
214	50.3	9.526	139.2	0.07	35.52	176.6	0.20	45.04	315.8	0.14
214	16.0	9.526	139.2	0.07	35.59	176.6	0.20	45.12	315.8	0.14
216	50.3	7.710	139.2	0.06	71.72	176.6	0.41	79.43	315.8	0.25
Support load summary for anchor at node 10										
Load combination	FX (N)	FY (N)	FZ (N)	MX (Nm)	MY (Nm)	MZ (Nm)	Displacements (global)			
							X (mm)	Y (mm)	Z (mm)	
Sustained	0	0	-632	-267	351	0	0.000	0.000	0.000	
Operating1	-2696	-3348	-632	-267	351	-1341	0.000	0.000	0.000	
Operating2	741	741	-632	-267	351	167	0.000	0.000	0.000	
Maximum	741	741	-632	-267	351	167	0.000	0.000	0.000	
Minimum	-2696	-3348	-632	-267	351	-1341	0.000	0.000	0.000	
Allowables	0	0	0	0	0	0	0.000	0.000	0.000	
Support load summary for anchor at node 216										
Load combination	FX (N)	FY (N)	FZ (N)	MX (Nm)	MY (Nm)	MZ (Nm)	Displacements (global)			
							X (mm)	Y (mm)	Z (mm)	
Sustained	0	0	-264	47	-87	0	0.000	0.000	0.000	
Operating1	690	-233	-264	47	-87	2333	0.000	0.000	0.000	

Support load summary for anchor at node 216									
Load combination	FX (N)	FY (N)	FZ (N)	MX (Nm)	MY (Nm)	MZ (Nm)	Displacements (global)		
							X (mm)	Y (mm)	Z (mm)
Operating2	-111	-145	-264	47	-87	-59	0.000	0.000	0.000
Maximum	690	0	-264	47	-87	2333	0.000	0.000	0.000
Minimum	-111	-233	-264	47	-87	-59	0.000	0.000	0.000
Allowables	0	0	0	0	0	0	0.000	0.000	0.000
Support load summary for guide at node 12									
Load combination	fx (N)	fy (N)	fz (N)	Displacements (global)					
				X (mm)	Y (mm)	Z (mm)			
Sustained	0	0	-1406	0.000	0.000	0.000			
Operating1	720	1946	-1406	2.933	2.348	0.000			
Operating2	-427	-217	-1406	-0.361	-0.289	0.000			
Maximum	720	1946	-1406	2.933	2.348	0.000			
Minimum	-427	-217	-1406	-0.361	-0.289	0.000			
Support load summary for guide at node 18									
Load combination	fx (N)	fy (N)	fz (N)	Displacements (global)					
				X (mm)	Y (mm)	Z (mm)			
Sustained	0	0	-913	0.000	0.000	0.000			
Operating1	-1159	3753	-913	-21.073	24.780	0.000			
Operating2	331	-617	-913	3.024	-3.556	0.000			
Maximum	331	3753	-913	3.024	24.780	0.000			
Minimum	-1159	-617	-913	-21.073	-3.556	0.000			
Support load summary for guide at node 22									
Load combination	fx (N)	fy (N)	fz (N)	Displacements (global)					
				X (mm)	Y (mm)	Z (mm)			
Sustained	0	0	-1187	0.000	0.000	0.000			
Operating1	-374	-385	-1187	-16.570	19.479	0.000			
Operating2	356	32	-1187	2.471	-2.904	0.000			
Maximum	356	32	-1187	2.471	19.479	0.000			
Minimum	-374	-385	-1187	-16.570	-2.904	0.000			
Support load summary for guide at node 26									
Load combination	fx (N)	fy (N)	fz (N)	Displacements (global)					
				X (mm)	Y (mm)	Z (mm)			
Sustained	0	0	-1209	0.000	0.000	0.000			
Operating1	-363	52	-1209	-12.078	14.198	0.000			
Operating2	363	0	-1209	1.927	-2.265	0.000			
Maximum	363	52	-1209	1.927	14.198	0.000			
Minimum	-363	0	-1209	-12.078	-2.265	0.000			
Support load summary for guide at node 30									
Load combination	fx (N)	fy (N)	fz (N)	Displacements (global)					
				X (mm)	Y (mm)	Z (mm)			
Sustained	0	0	-1253	0.000	0.000	0.000			
Operating1	-379	155	-1253	-7.596	8.930	0.000			

Support load summary for guide at node 30						
Load combination	fx (N)	fy (N)	fz (N)	Displacements (global)		
				X (mm)	Y (mm)	Z (mm)
Operating2	376	-40	-1253	1.394	-1.639	0.000
Maximum	376	155	-1253	1.394	8.930	0.000
Minimum	-379	-40	-1253	-7.596	-1.639	0.000
Support load summary for guide at node 38						
Load combination	fx (N)	fy (N)	fz (N)	Displacements (global)		
				X (mm)	Y (mm)	Z (mm)
Sustained	0	0	-1253	0.000	0.000	0.000
Operating1	-381	212	-1253	-1.617	2.336	0.000
Operating2	376	-43	-1253	0.668	-0.965	0.000
Maximum	376	212	-1253	0.668	2.336	0.000
Minimum	-381	-43	-1253	-1.617	-0.965	0.000
Support load summary for guide at node 42						
Load combination	fx (N)	fy (N)	fz (N)	Displacements (global)		
				X (mm)	Y (mm)	Z (mm)
Sustained	0	0	-1210	0.000	0.000	0.000
Operating1	363	11	-1210	2.303	-3.326	0.000
Operating2	363	-2	-1210	0.220	-0.318	0.000
Maximum	363	11	-1210	2.303	0.000	0.000
Minimum	0	-2	-1210	0.000	-3.326	0.000
Support load summary for guide at node 46						
Load combination	fx (N)	fy (N)	fz (N)	Displacements (global)		
				X (mm)	Y (mm)	Z (mm)
Sustained	0	0	-1207	0.000	0.000	0.000
Operating1	362	0	-1207	6.232	-9.002	0.000
Operating2	-362	0	-1207	-0.222	0.320	0.000
Maximum	362	0	-1207	6.232	0.320	0.000
Minimum	-362	0	-1207	-0.222	-9.002	0.000
Support load summary for guide at node 50						
Load combination	fx (N)	fy (N)	fz (N)	Displacements (global)		
				X (mm)	Y (mm)	Z (mm)
Sustained	0	0	-1207	0.000	0.000	0.000
Operating1	362	-1	-1207	10.171	-14.692	0.000
Operating2	-362	0	-1207	-0.672	0.971	0.000
Maximum	362	0	-1207	10.171	0.971	0.000
Minimum	-362	-1	-1207	-0.672	-14.692	0.000
Support load summary for guide at node 54						
Load combination	fx (N)	fy (N)	fz (N)	Displacements (global)		
				X (mm)	Y (mm)	Z (mm)
Sustained	0	0	-1207	0.000	0.000	0.000
Operating1	362	5	-1207	14.119	-20.395	0.000

Support load summary for guide at node 54						
Load combination	fx (N)	fy (N)	fz (N)	Displacements (global)		
				X (mm)	Y (mm)	Z (mm)
Operating2	-362	0	-1207	-1.132	1.635	0.000
Maximum	362	5	-1207	14.119	1.635	0.000
Minimum	-362	0	-1207	-1.132	-20.395	0.000
Support load summary for guide at node 58						
Load combination	fx (N)	fy (N)	fz (N)	Displacements (global)		
				X (mm)	Y (mm)	Z (mm)
Sustained	0	0	-1207	0.000	0.000	0.000
Operating1	362	-22	-1207	18.077	-26.111	0.000
Operating2	-362	1	-1207	-1.600	2.312	0.000
Maximum	362	1	-1207	18.077	2.312	0.000
Minimum	-362	-22	-1207	-1.600	-26.111	0.000
Support load summary for guide at node 62						
Load combination	fx (N)	fy (N)	fz (N)	Displacements (global)		
				X (mm)	Y (mm)	Z (mm)
Sustained	0	0	-1208	0.000	0.000	0.000
Operating1	363	89	-1208	22.044	-31.841	0.000
Operating2	-363	-6	-1208	-2.078	3.002	0.000
Maximum	363	89	-1208	22.044	3.002	0.000
Minimum	-363	-6	-1208	-2.078	-31.841	0.000
Support load summary for guide at node 66						
Load combination	fx (N)	fy (N)	fz (N)	Displacements (global)		
				X (mm)	Y (mm)	Z (mm)
Sustained	0	0	-1158	0.000	0.000	0.000
Operating1	366	-385	-1158	26.020	-37.584	0.000
Operating2	-348	57	-1158	-2.565	3.705	0.000
Maximum	366	57	-1158	26.020	3.705	0.000
Minimum	-348	-385	-1158	-2.565	-37.584	0.000
Support load summary for guide at node 74						
Load combination	fx (N)	fy (N)	fz (N)	Displacements (global)		
				X (mm)	Y (mm)	Z (mm)
Sustained	0	0	-1155	0.000	0.000	0.000
Operating1	71	-269	-1155	0.000	0.000	0.000
Operating2	41	29	-1155	0.000	0.000	0.000
Maximum	71	29	-1155	0.000	0.000	0.000
Minimum	0	-269	-1155	0.000	0.000	0.000
Support load summary for guide at node 82						
Load combination	fx (N)	fy (N)	fz (N)	Displacements (global)		
				X (mm)	Y (mm)	Z (mm)
Sustained	0	0	-1003	0.000	0.000	0.000
Operating1	-311	255	-1003	-18.166	21.060	0.000

Support load summary for guide at node 82						
Load combination	fx (N)	fy (N)	fz (N)	Displacements (global)		
				X (mm)	Y (mm)	Z (mm)
Operating2	301	-50	-1003	1.914	-2.218	0.000
Maximum	301	255	-1003	1.914	21.060	0.000
Minimum	-311	-50	-1003	-18.166	-2.218	0.000
Support load summary for guide at node 86						
Load combination	fx (N)	fy (N)	fz (N)	Displacements (global)		
				X (mm)	Y (mm)	Z (mm)
Sustained	0	0	-935	0.000	0.000	0.000
Operating1	-281	-54	-935	-13.342	15.997	0.000
Operating2	281	1	-935	1.327	-1.591	0.000
Maximum	281	1	-935	1.327	15.997	0.000
Minimum	-281	-54	-935	-13.342	-1.591	0.000
Support load summary for guide at node 90						
Load combination	fx (N)	fy (N)	fz (N)	Displacements (global)		
				X (mm)	Y (mm)	Z (mm)
Sustained	0	0	-930	0.000	0.000	0.000
Operating1	-279	12	-930	-8.883	10.652	0.000
Operating2	279	0	-930	0.788	-0.945	0.000
Maximum	279	12	-930	0.788	10.652	0.000
Minimum	-279	0	-930	-8.883	-0.945	0.000
Support load summary for guide at node 94						
Load combination	fx (N)	fy (N)	fz (N)	Displacements (global)		
				X (mm)	Y (mm)	Z (mm)
Sustained	0	0	-930	0.000	0.000	0.000
Operating1	-279	-3	-930	-4.436	5.319	0.000
Operating2	279	0	-930	0.260	-0.312	0.000
Maximum	279	0	-930	0.260	5.319	0.000
Minimum	-279	-3	-930	-4.436	-0.312	0.000
Support load summary for guide at node 98						
Load combination	fx (N)	fy (N)	fz (N)	Displacements (global)		
				X (mm)	Y (mm)	Z (mm)
Sustained	0	0	-930	0.000	0.000	0.000
Operating1	-132	10	-930	0.000	0.000	0.000
Operating2	-279	1	-930	-0.261	0.313	0.000
Maximum	0	10	-930	0.000	0.313	0.000
Minimum	-279	0	-930	-0.261	0.000	0.000
Support load summary for guide at node 102						
Load combination	fx (N)	fy (N)	fz (N)	Displacements (global)		
				X (mm)	Y (mm)	Z (mm)
Sustained	0	0	-923	0.000	0.000	0.000
Operating1	296	-349	-923	4.434	-5.316	0.000

Support load summary for guide at node 102						
Load combination	fx (N)	fy (N)	fz (N)	Displacements (global)		
				X (mm)	Y (mm)	Z (mm)
Operating2	-277	20	-923	-0.792	0.949	0.000
Maximum	296	20	-923	4.434	0.949	0.000
Minimum	-277	-349	-923	-0.792	-5.316	0.000
Support load summary for guide at node 104						
Load combination	fx (N)	fy (N)	fz (N)	Displacements (global)		
				X (mm)	Y (mm)	Z (mm)
Sustained	0	0	-957	0.000	0.000	0.000
Operating1	328	526	-957	6.655	-7.979	0.000
Operating2	-287	10	-957	-1.061	1.272	0.000
Maximum	328	526	-957	6.655	1.272	0.000
Minimum	-287	0	-957	-1.061	-7.979	0.000
Support load summary for guide at node 116						
Load combination	fx (N)	fy (N)	fz (N)	Displacements (global)		
				X (mm)	Y (mm)	Z (mm)
Sustained	0	0	-918	0.000	0.000	0.000
Operating1	-285	242	-918	-0.323	3.454	0.000
Operating2	276	72	-918	0.039	-0.418	0.000
Maximum	276	242	-918	0.039	3.454	0.000
Minimum	-285	0	-918	-0.323	-0.418	0.000
Support load summary for guide at node 118						
Load combination	fx (N)	fy (N)	fz (N)	Displacements (global)		
				X (mm)	Y (mm)	Z (mm)
Sustained	0	0	-947	0.000	0.000	0.000
Operating1	-14	-215	-947	0.000	0.000	0.000
Operating2	133	-13	-947	0.000	0.000	0.000
Maximum	133	0	-947	0.000	0.000	0.000
Minimum	-14	-215	-947	0.000	0.000	0.000
Support load summary for guide at node 122						
Load combination	fx (N)	fy (N)	fz (N)	Displacements (global)		
				X (mm)	Y (mm)	Z (mm)
Sustained	0	0	-1101	0.000	0.000	0.000
Operating1	331	-61	-1101	0.647	-6.911	0.000
Operating2	-330	6	-1101	-0.078	0.835	0.000
Maximum	331	6	-1101	0.647	0.835	0.000
Minimum	-330	-61	-1101	-0.078	-6.911	0.000
Support load summary for guide at node 130						
Load combination	fx (N)	fy (N)	fz (N)	Displacements (global)		
				X (mm)	Y (mm)	Z (mm)
Sustained	0	0	-756	0.000	0.000	0.000
Operating1	280	-547	-756	4.323	-14.482	0.000

Support load summary for guide at node 130						
Load combination	fx (N)	fy (N)	fz (N)	Displacements (global)		
				X (mm)	Y (mm)	Z (mm)
Operating2	-227	32	-756	-0.513	1.718	0.000
Maximum	280	32	-756	4.323	1.718	0.000
Minimum	-227	-547	-756	-0.513	-14.482	0.000
Support load summary for guide at node 132						
Load combination	fx (N)	fy (N)	fz (N)	Displacements (global)		
				X (mm)	Y (mm)	Z (mm)
Sustained	0	0	-648	0.000	0.000	0.000
Operating1	210	266	-648	5.070	-16.984	0.000
Operating2	-197	109	-648	-0.606	2.030	0.000
Maximum	210	266	-648	5.070	2.030	0.000
Minimum	-197	0	-648	-0.606	-16.984	0.000
Support load summary for guide at node 148						
Load combination	fx (N)	fy (N)	fz (N)	Displacements (global)		
				X (mm)	Y (mm)	Z (mm)
Sustained	0	0	-672	0.000	0.000	0.000
Operating1	-202	57	-672	-11.771	41.631	0.000
Operating2	210	198	-672	1.376	-4.865	0.000
Maximum	210	198	-672	1.376	41.631	0.000
Minimum	-202	0	-672	-11.771	-4.865	0.000
Support load summary for guide at node 150						
Load combination	fx (N)	fy (N)	fz (N)	Displacements (global)		
				X (mm)	Y (mm)	Z (mm)
Sustained	0	0	-652	0.000	0.000	0.000
Operating1	-223	-356	-652	-11.628	38.951	0.000
Operating2	196	-1	-652	1.353	-4.533	0.000
Maximum	196	0	-652	1.353	38.951	0.000
Minimum	-223	-356	-652	-11.628	-4.533	0.000
Support load summary for guide at node 154						
Load combination	fx (N)	fy (N)	fz (N)	Displacements (global)		
				X (mm)	Y (mm)	Z (mm)
Sustained	0	0	-937	0.000	0.000	0.000
Operating1	-282	67	-937	-9.888	33.122	0.000
Operating2	281	-9	-937	1.139	-3.814	0.000
Maximum	281	67	-937	1.139	33.122	0.000
Minimum	-282	-9	-937	-9.888	-3.814	0.000
Support load summary for guide at node 158						
Load combination	fx (N)	fy (N)	fz (N)	Displacements (global)		
				X (mm)	Y (mm)	Z (mm)
Sustained	0	0	-668	0.000	0.000	0.000
Operating1	-213	-241	-668	-7.498	26.517	0.000

Support load summary for guide at node 158						
Load combination	fx (N)	fy (N)	fz (N)	Displacements (global)		
				X (mm)	Y (mm)	Z (mm)
Operating2	205	148	-668	0.853	-3.015	0.000
Maximum	205	148	-668	0.853	26.517	0.000
Minimum	-213	-241	-668	-7.498	-3.015	0.000
Support load summary for guide at node 164						
Load combination	fx (N)	fy (N)	fz (N)	Displacements (global)		
				X (mm)	Y (mm)	Z (mm)
Sustained	0	0	-1028	0.000	0.000	0.000
Operating1	-308	-14	-1028	-8.045	20.620	0.000
Operating2	308	20	-1028	0.911	-2.336	0.000
Maximum	308	20	-1028	0.911	20.620	0.000
Minimum	-308	-14	-1028	-8.045	-2.336	0.000
Support load summary for guide at node 168						
Load combination	fx (N)	fy (N)	fz (N)	Displacements (global)		
				X (mm)	Y (mm)	Z (mm)
Sustained	0	0	-983	0.000	0.000	0.000
Operating1	-295	-2	-983	-5.399	13.838	0.000
Operating2	295	0	-983	0.601	-1.540	0.000
Maximum	295	0	-983	0.601	13.838	0.000
Minimum	-295	-2	-983	-5.399	-1.540	0.000
Support load summary for guide at node 172						
Load combination	fx (N)	fy (N)	fz (N)	Displacements (global)		
				X (mm)	Y (mm)	Z (mm)
Sustained	0	0	-980	0.000	0.000	0.000
Operating1	-294	0	-980	-2.760	7.074	0.000
Operating2	294	0	-980	0.297	-0.761	0.000
Maximum	294	0	-980	0.297	7.074	0.000
Minimum	-294	0	-980	-2.760	-0.761	0.000
Support load summary for guide at node 176						
Load combination	fx (N)	fy (N)	fz (N)	Displacements (global)		
				X (mm)	Y (mm)	Z (mm)
Sustained	0	0	-979	0.000	0.000	0.000
Operating1	-294	5	-979	-0.128	0.328	0.000
Operating2	113	-2	-979	0.000	0.000	0.000
Maximum	113	5	-979	0.000	0.328	0.000
Minimum	-294	-2	-979	-0.128	0.000	0.000
Support load summary for guide at node 180						
Load combination	fx (N)	fy (N)	fz (N)	Displacements (global)		
				X (mm)	Y (mm)	Z (mm)
Sustained	0	0	-965	0.000	0.000	0.000
Operating1	290	-56	-965	2.501	-6.409	0.000

Support load summary for guide at node 180						
Load combination	fx (N)	fy (N)	fz (N)	Displacements (global)		
				X (mm)	Y (mm)	Z (mm)
Operating2	-290	-73	-965	-0.296	0.758	0.000
Maximum	290	0	-965	2.501	0.758	0.000
Minimum	-290	-73	-965	-0.296	-6.409	0.000
Support load summary for guide at node 190						
Load combination	fx (N)	fy (N)	fz (N)	Displacements (global)		
				X (mm)	Y (mm)	Z (mm)
Sustained	0	0	-977	0.000	0.000	0.000
Operating1	320	-429	-977	8.281	-12.318	0.000
Operating2	-301	227	-977	-0.340	0.506	0.000
Maximum	320	227	-977	8.281	0.506	0.000
Minimum	-301	-429	-977	-0.340	-12.318	0.000
Support load summary for guide at node 194						
Load combination	fx (N)	fy (N)	fz (N)	Displacements (global)		
				X (mm)	Y (mm)	Z (mm)
Sustained	0	0	-922	0.000	0.000	0.000
Operating1	278	104	-922	12.085	-17.976	0.000
Operating2	-277	9	-922	-0.785	1.167	0.000
Maximum	278	104	-922	12.085	1.167	0.000
Minimum	-277	0	-922	-0.785	-17.976	0.000
Support load summary for guide at node 198						
Load combination	fx (N)	fy (N)	fz (N)	Displacements (global)		
				X (mm)	Y (mm)	Z (mm)
Sustained	0	0	-919	0.000	0.000	0.000
Operating1	276	-41	-919	15.897	-23.647	0.000
Operating2	-276	0	-919	-1.238	1.842	0.000
Maximum	276	0	-919	15.897	1.842	0.000
Minimum	-276	-41	-919	-1.238	-23.647	0.000
Support load summary for guide at node 202						
Load combination	fx (N)	fy (N)	fz (N)	Displacements (global)		
				X (mm)	Y (mm)	Z (mm)
Sustained	0	0	-921	0.000	0.000	0.000
Operating1	277	84	-921	19.720	-29.332	0.000
Operating2	-276	-3	-921	-1.701	2.531	0.000
Maximum	277	84	-921	19.720	2.531	0.000
Minimum	-276	-3	-921	-1.701	-29.332	0.000
Support load summary for guide at node 206						
Load combination	fx (N)	fy (N)	fz (N)	Displacements (global)		
				X (mm)	Y (mm)	Z (mm)
Sustained	0	0	-959	0.000	0.000	0.000
Operating1	315	-430	-959	23.551	-35.031	0.000

Support load summary for guide at node 206						
Load combination	fx (N)	fy (N)	fz (N)	Displacements (global)		
				X (mm)	Y (mm)	Z (mm)
Operating2	-288	54	-959	-2.173	3.233	0.000
Maximum	315	54	-959	23.551	3.233	0.000
Minimum	-288	-430	-959	-2.173	-35.031	0.000
Support load summary for limit stop at node 14 (0.000,0.000,1.000)						
Load combination	Load (N)	Friction (N)	Displacements (global)			
			X (mm)	Y (mm)	Z (mm)	
Sustained	-964	0	0.000	0.000	0.000	
Operating1	-964	289	-12.792	28.020	0.000	
Operating2	-964	289	1.809	-3.750	0.000	
Maximum	-964	289	1.809	28.020	0.000	
Minimum	-964	0	-12.792	-3.750	0.000	
Support load summary for limit stop at node 20 (0.000,0.000,1.000)						
Load combination	Load (N)	Friction (N)	Displacements (global)			
			X (mm)	Y (mm)	Z (mm)	
Sustained	-1283	0	0.000	0.000	0.000	
Operating1	-1283	385	-24.210	17.539	0.000	
Operating2	-1283	385	3.252	-2.798	0.000	
Maximum	-1283	385	3.252	17.539	0.000	
Minimum	-1283	0	-24.210	-2.798	0.000	
Support load summary for limit stop at node 24 (0.000,0.000,1.000)						
Load combination	Load (N)	Friction (N)	Displacements (global)			
			X (mm)	Y (mm)	Z (mm)	
Sustained	-1211	0	0.000	0.000	0.000	
Operating1	-1211	363	-12.929	18.022	0.000	
Operating2	-1211	363	2.119	-2.650	0.000	
Maximum	-1211	363	2.119	18.022	0.000	
Minimum	-1211	0	-12.929	-2.650	0.000	
Support load summary for limit stop at node 28 (0.000,0.000,1.000)						
Load combination	Load (N)	Friction (N)	Displacements (global)			
			X (mm)	Y (mm)	Z (mm)	
Sustained	-1195	0	0.000	0.000	0.000	
Operating1	-1195	358	-10.705	10.823	0.000	
Operating2	-1195	358	1.747	-1.875	0.000	
Maximum	-1195	358	1.747	10.823	0.000	
Minimum	-1195	0	-10.705	-1.875	0.000	
Support load summary for limit stop at node 32 (0.000,0.000,1.000)						
Load combination	Load (N)	Friction (N)	Displacements (global)			
			X (mm)	Y (mm)	Z (mm)	
Sustained	-983	0	0.000	0.000	0.000	
Operating1	-983	295	-2.510	8.724	0.000	

Support load summary for limit stop at node 32 (0.000,0.000,1.000)					
Load combination	Load (N)	Friction (N)	Displacements (global)		
			X (mm)	Y (mm)	Z (mm)
Operating2	-983	295	0.437	-1.921	0.000
Maximum	-983	295	0.437	8.724	0.000
Minimum	-983	0	-2.510	-1.921	0.000
Support load summary for limit stop at node 36 (0.000,0.000,1.000)					
Load combination	Load (N)	Friction (N)	Displacements (global)		
			X (mm)	Y (mm)	Z (mm)
Sustained	-983	0	0.000	0.000	0.000
Operating1	-983	295	-1.030	6.934	0.000
Operating2	-983	295	0.241	-1.747	0.000
Maximum	-983	295	0.241	6.934	0.000
Minimum	-983	0	-1.030	-1.747	0.000
Support load summary for limit stop at node 40 (0.000,0.000,1.000)					
Load combination	Load (N)	Friction (N)	Displacements (global)		
			X (mm)	Y (mm)	Z (mm)
Sustained	-1194	0	0.000	0.000	0.000
Operating1	-1194	358	0.204	-0.588	0.000
Operating2	-1194	358	0.481	-0.614	0.000
Maximum	-1194	358	0.481	0.000	0.000
Minimum	-1194	0	0.000	-0.614	0.000
Support load summary for limit stop at node 44 (0.000,0.000,1.000)					
Load combination	Load (N)	Friction (N)	Displacements (global)		
			X (mm)	Y (mm)	Z (mm)
Sustained	-1206	0	0.000	0.000	0.000
Operating1	-1206	362	4.268	-6.162	0.000
Operating2	-1206	0	0.000	0.000	0.000
Maximum	-1206	362	4.268	0.000	0.000
Minimum	-1206	0	0.000	-6.162	0.000
Support load summary for limit stop at node 48 (0.000,0.000,1.000)					
Load combination	Load (N)	Friction (N)	Displacements (global)		
			X (mm)	Y (mm)	Z (mm)
Sustained	-1207	0	0.000	0.000	0.000
Operating1	-1207	362	8.204	-11.843	0.000
Operating2	-1207	362	-0.446	0.644	0.000
Maximum	-1207	362	8.204	0.644	0.000
Minimum	-1207	0	-0.446	-11.843	0.000
Support load summary for limit stop at node 52 (0.000,0.000,1.000)					
Load combination	Load (N)	Friction (N)	Displacements (global)		
			X (mm)	Y (mm)	Z (mm)
Sustained	-1207	0	0.000	0.000	0.000
Operating1	-1207	362	12.126	-17.554	0.000

Support load summary for limit stop at node 52 (0.000,0.000,1.000)					
Load combination	Load (N)	Friction (N)	Displacements (global)		
			X (mm)	Y (mm)	Z (mm)
Operating2	-1207	362	-0.901	1.301	0.000
Maximum	-1207	362	12.126	1.301	0.000
Minimum	-1207	0	-0.901	-17.554	0.000
Support load summary for limit stop at node 56 (0.000,0.000,1.000)					
Load combination	Load (N)	Friction (N)	Displacements (global)		
			X (mm)	Y (mm)	Z (mm)
Sustained	-1207	0	0.000	0.000	0.000
Operating1	-1207	362	16.174	-23.198	0.000
Operating2	-1207	362	-1.367	1.971	0.000
Maximum	-1207	362	16.174	1.971	0.000
Minimum	-1207	0	-1.367	-23.198	0.000
Support load summary for limit stop at node 60 (0.000,0.000,1.000)					
Load combination	Load (N)	Friction (N)	Displacements (global)		
			X (mm)	Y (mm)	Z (mm)
Sustained	-1206	0	0.000	0.000	0.000
Operating1	-1206	362	19.740	-29.195	0.000
Operating2	-1206	362	-1.824	2.665	0.000
Maximum	-1206	362	19.740	2.665	0.000
Minimum	-1206	0	-1.824	-29.195	0.000
Support load summary for limit stop at node 64 (0.000,0.000,1.000)					
Load combination	Load (N)	Friction (N)	Displacements (global)		
			X (mm)	Y (mm)	Z (mm)
Sustained	-1200	0	0.000	0.000	0.000
Operating1	-1200	360	25.328	-33.812	0.000
Operating2	-1200	360	-2.428	3.278	0.000
Maximum	-1200	360	25.328	3.278	0.000
Minimum	-1200	0	-2.428	-33.812	0.000
Support load summary for limit stop at node 68 (0.000,0.000,1.000)					
Load combination	Load (N)	Friction (N)	Displacements (global)		
			X (mm)	Y (mm)	Z (mm)
Sustained	-548	0	0.000	0.000	0.000
Operating1	-548	164	22.515	-44.257	0.000
Operating2	-548	164	-2.124	4.541	0.000
Maximum	-548	164	22.515	4.541	0.000
Minimum	-548	0	-2.124	-44.257	0.000
Support load summary for limit stop at node 72 (0.000,0.000,1.000)					
Load combination	Load (N)	Friction (N)	Displacements (global)		
			X (mm)	Y (mm)	Z (mm)
Sustained	-672	0	0.000	0.000	0.000
Operating1	-672	202	20.757	-38.041	0.000

Support load summary for limit stop at node 72 (0.000,0.000,1.000)					
Load combination	Load (N)	Friction (N)	Displacements (global)		
			X (mm)	Y (mm)	Z (mm)
Operating2	-672	202	-1.866	3.665	0.000
Maximum	-672	202	20.757	3.665	0.000
Minimum	-672	0	-1.866	-38.041	0.000
Support load summary for limit stop at node 76 (0.000,0.000,1.000)					
Load combination	Load (N)	Friction (N)	Displacements (global)		
			X (mm)	Y (mm)	Z (mm)
Sustained	-695	0	0.000	0.000	0.000
Operating1	-695	209	-13.081	26.495	0.000
Operating2	-695	209	1.162	-2.605	0.000
Maximum	-695	209	1.162	26.495	0.000
Minimum	-695	0	-13.081	-2.605	0.000
Support load summary for limit stop at node 80 (0.000,0.000,1.000)					
Load combination	Load (N)	Friction (N)	Displacements (global)		
			X (mm)	Y (mm)	Z (mm)
Sustained	-626	0	0.000	0.000	0.000
Operating1	-626	188	-14.211	29.088	0.000
Operating2	-626	188	1.438	-3.204	0.000
Maximum	-626	188	1.438	29.088	0.000
Minimum	-626	0	-14.211	-3.204	0.000
Support load summary for limit stop at node 84 (0.000,0.000,1.000)					
Load combination	Load (N)	Friction (N)	Displacements (global)		
			X (mm)	Y (mm)	Z (mm)
Sustained	-911	0	0.000	0.000	0.000
Operating1	-911	273	-17.184	17.333	0.000
Operating2	-911	273	1.694	-1.840	0.000
Maximum	-911	273	1.694	17.333	0.000
Minimum	-911	0	-17.184	-1.840	0.000
Support load summary for limit stop at node 88 (0.000,0.000,1.000)					
Load combination	Load (N)	Friction (N)	Displacements (global)		
			X (mm)	Y (mm)	Z (mm)
Sustained	-929	0	0.000	0.000	0.000
Operating1	-929	279	-10.785	13.595	0.000
Operating2	-929	279	1.051	-1.270	0.000
Maximum	-929	279	1.051	13.595	0.000
Minimum	-929	0	-10.785	-1.270	0.000
Support load summary for limit stop at node 92 (0.000,0.000,1.000)					
Load combination	Load (N)	Friction (N)	Displacements (global)		
			X (mm)	Y (mm)	Z (mm)
Sustained	-930	0	0.000	0.000	0.000
Operating1	-930	279	-6.712	7.939	0.000

Support load summary for limit stop at node 92 (0.000,0.000,1.000)					
Load combination	Load (N)	Friction (N)	Displacements (global)		
			X (mm)	Y (mm)	Z (mm)
Operating2	-930	279	0.523	-0.627	0.000
Maximum	-930	279	0.523	7.939	0.000
Minimum	-930	0	-6.712	-0.627	0.000
Support load summary for limit stop at node 96 (0.000,0.000,1.000)					
Load combination	Load (N)	Friction (N)	Displacements (global)		
			X (mm)	Y (mm)	Z (mm)
Sustained	-930	0	0.000	0.000	0.000
Operating1	-930	279	-2.256	2.625	0.000
Operating2	-930	0	0.000	0.000	0.000
Maximum	-930	279	0.000	2.625	0.000
Minimum	-930	0	-2.256	0.000	0.000
Support load summary for limit stop at node 100 (0.000,0.000,1.000)					
Load combination	Load (N)	Friction (N)	Displacements (global)		
			X (mm)	Y (mm)	Z (mm)
Sustained	-932	0	0.000	0.000	0.000
Operating1	-932	280	2.696	-2.255	0.000
Operating2	-932	280	-0.535	0.621	0.000
Maximum	-932	280	2.696	0.621	0.000
Minimum	-932	0	-0.535	-2.255	0.000
Support load summary for limit stop at node 106 (0.000,0.000,1.000)					
Load combination	Load (N)	Friction (N)	Displacements (global)		
			X (mm)	Y (mm)	Z (mm)
Sustained	-809	0	0.000	0.000	0.000
Operating1	-809	243	27.739	5.083	0.000
Operating2	-809	243	-3.104	0.122	0.000
Maximum	-809	243	27.739	5.083	0.000
Minimum	-809	0	-3.104	0.000	0.000
Support load summary for limit stop at node 108 (0.000,0.000,1.000)					
Load combination	Load (N)	Friction (N)	Displacements (global)		
			X (mm)	Y (mm)	Z (mm)
Sustained	-293	0	0.000	0.000	0.000
Operating1	-293	88	41.264	13.797	0.000
Operating2	-293	88	-5.513	-1.572	0.000
Maximum	-293	88	41.264	13.797	0.000
Minimum	-293	0	-5.513	-1.572	0.000
Support load summary for limit stop at node 112 (0.000,0.000,1.000)					
Load combination	Load (N)	Friction (N)	Displacements (global)		
			X (mm)	Y (mm)	Z (mm)
Sustained	-787	0	0.000	0.000	0.000
Operating1	-787	236	42.357	14.429	0.000

Support load summary for limit stop at node 112 (0.000,0.000,1.000)					
Load combination	Load (N)	Friction (N)	Displacements (global)		
			X (mm)	Y (mm)	Z (mm)
Operating2	-787	236	-5.242	-1.767	0.000
Maximum	-787	236	42.357	14.429	0.000
Minimum	-787	0	-5.242	-1.767	0.000
Support load summary for limit stop at node 114 (0.000,0.000,1.000)					
Load combination	Load (N)	Friction (N)	Displacements (global)		
			X (mm)	Y (mm)	Z (mm)
Sustained	-962	0	0.000	0.000	0.000
Operating1	-962	289	17.141	8.577	0.000
Operating2	-962	289	-0.392	-0.883	0.000
Maximum	-962	289	17.141	8.577	0.000
Minimum	-962	0	-0.392	-0.883	0.000
Support load summary for limit stop at node 120 (0.000,0.000,1.000)					
Load combination	Load (N)	Friction (N)	Displacements (global)		
			X (mm)	Y (mm)	Z (mm)
Sustained	-876	0	0.000	0.000	0.000
Operating1	-876	263	0.967	-3.393	0.000
Operating2	-876	263	-0.040	0.415	0.000
Maximum	-876	263	0.967	0.415	0.000
Minimum	-876	0	-0.040	-3.393	0.000
Support load summary for limit stop at node 124 (0.000,0.000,1.000)					
Load combination	Load (N)	Friction (N)	Displacements (global)		
			X (mm)	Y (mm)	Z (mm)
Sustained	-955	0	0.000	0.000	0.000
Operating1	-955	286	-0.637	-11.380	0.000
Operating2	-955	286	0.254	1.399	0.000
Maximum	-955	286	0.254	1.399	0.000
Minimum	-955	0	-0.637	-11.380	0.000
Support load summary for limit stop at node 128 (0.000,0.000,1.000)					
Load combination	Load (N)	Friction (N)	Displacements (global)		
			X (mm)	Y (mm)	Z (mm)
Sustained	-370	0	0.000	0.000	0.000
Operating1	-370	111	1.077	-12.730	0.000
Operating2	-370	111	0.127	1.571	0.000
Maximum	-370	111	1.077	1.571	0.000
Minimum	-370	0	0.000	-12.730	0.000
Support load summary for limit stop at node 136 (0.000,0.000,1.000)					
Load combination	Load (N)	Friction (N)	Displacements (global)		
			X (mm)	Y (mm)	Z (mm)
Sustained	-669	0	0.000	0.000	0.000
Operating1	-669	201	7.123	-2.674	0.000

Support load summary for limit stop at node 136 (0.000,0.000,1.000)					
Load combination	Load (N)	Friction (N)	Displacements (global)		
			X (mm)	Y (mm)	Z (mm)
Operating2	-669	201	-0.474	0.748	0.000
Maximum	-669	201	7.123	0.748	0.000
Minimum	-669	0	-0.474	-2.674	0.000
Support load summary for limit stop at node 140 (0.000,0.000,1.000)					
Load combination	Load (N)	Friction (N)	Displacements (global)		
			X (mm)	Y (mm)	Z (mm)
Sustained	-779	0	0.000	0.000	0.000
Operating1	-779	234	8.459	12.665	0.000
Operating2	-779	234	-0.606	-0.438	0.000
Maximum	-779	234	8.459	12.665	0.000
Minimum	-779	0	-0.606	-0.438	0.000
Support load summary for limit stop at node 144 (0.000,0.000,1.000)					
Load combination	Load (N)	Friction (N)	Displacements (global)		
			X (mm)	Y (mm)	Z (mm)
Sustained	-664	0	0.000	0.000	0.000
Operating1	-664	199	-0.520	27.971	0.000
Operating2	-664	199	0.242	-2.624	0.000
Maximum	-664	199	0.242	27.971	0.000
Minimum	-664	0	-0.520	-2.624	0.000
Support load summary for limit stop at node 152 (0.000,0.000,1.000)					
Load combination	Load (N)	Friction (N)	Displacements (global)		
			X (mm)	Y (mm)	Z (mm)
Sustained	-833	0	0.000	0.000	0.000
Operating1	-833	250	-10.518	36.563	0.000
Operating2	-833	250	1.312	-4.209	0.000
Maximum	-833	250	1.312	36.563	0.000
Minimum	-833	0	-10.518	-4.209	0.000
Support load summary for limit stop at node 156 (0.000,0.000,1.000)					
Load combination	Load (N)	Friction (N)	Displacements (global)		
			X (mm)	Y (mm)	Z (mm)
Sustained	-985	0	0.000	0.000	0.000
Operating1	-985	295	-7.692	30.153	0.000
Operating2	-985	295	0.697	-3.505	0.000
Maximum	-985	295	0.697	30.153	0.000
Minimum	-985	0	-7.692	-3.505	0.000
Support load summary for limit stop at node 162 (0.000,0.000,1.000)					
Load combination	Load (N)	Friction (N)	Displacements (global)		
			X (mm)	Y (mm)	Z (mm)
Sustained	-691	0	0.000	0.000	0.000
Operating1	-691	207	-8.378	24.405	0.000

Support load summary for limit stop at node 162 (0.000,0.000,1.000)					
Load combination	Load (N)	Friction (N)	Displacements (global)		
			X (mm)	Y (mm)	Z (mm)
Operating2	-691	207	1.238	-2.675	0.000
Maximum	-691	207	1.238	24.405	0.000
Minimum	-691	0	-8.378	-2.675	0.000
Support load summary for limit stop at node 166 (0.000,0.000,1.000)					
Load combination	Load (N)	Friction (N)	Displacements (global)		
			X (mm)	Y (mm)	Z (mm)
Sustained	-967	0	0.000	0.000	0.000
Operating1	-967	290	-6.790	17.200	0.000
Operating2	-967	290	0.723	-1.948	0.000
Maximum	-967	290	0.723	17.200	0.000
Minimum	-967	0	-6.790	-1.948	0.000
Support load summary for limit stop at node 170 (0.000,0.000,1.000)					
Load combination	Load (N)	Friction (N)	Displacements (global)		
			X (mm)	Y (mm)	Z (mm)
Sustained	-979	0	0.000	0.000	0.000
Operating1	-979	294	-4.061	10.461	0.000
Operating2	-979	294	0.449	-1.148	0.000
Maximum	-979	294	0.449	10.461	0.000
Minimum	-979	0	-4.061	-1.148	0.000
Support load summary for limit stop at node 174 (0.000,0.000,1.000)					
Load combination	Load (N)	Friction (N)	Displacements (global)		
			X (mm)	Y (mm)	Z (mm)
Sustained	-980	0	0.000	0.000	0.000
Operating1	-980	294	-1.488	3.682	0.000
Operating2	-980	294	0.148	-0.378	0.000
Maximum	-980	294	0.148	3.682	0.000
Minimum	-980	0	-1.488	-0.378	0.000
Support load summary for limit stop at node 178 (0.000,0.000,1.000)					
Load combination	Load (N)	Friction (N)	Displacements (global)		
			X (mm)	Y (mm)	Z (mm)
Sustained	-984	0	0.000	0.000	0.000
Operating1	-984	295	1.717	-2.831	0.000
Operating2	-984	295	-0.133	0.382	0.000
Maximum	-984	295	1.717	0.382	0.000
Minimum	-984	0	-0.133	-2.831	0.000
Support load summary for limit stop at node 182 (0.000,0.000,1.000)					
Load combination	Load (N)	Friction (N)	Displacements (global)		
			X (mm)	Y (mm)	Z (mm)
Sustained	-1036	0	0.000	0.000	0.000
Operating1	-1036	311	-3.759	-12.740	0.000

Support load summary for limit stop at node 182 (0.000,0.000,1.000)					
Load combination	Load (N)	Friction (N)	Displacements (global)		
			X (mm)	Y (mm)	Z (mm)
Operating2	-1036	311	0.360	1.458	0.000
Maximum	-1036	311	0.360	1.458	0.000
Minimum	-1036	0	-3.759	-12.740	0.000
Support load summary for limit stop at node 184 (0.000,0.000,1.000)					
Load combination	Load (N)	Friction (N)	Displacements (global)		
			X (mm)	Y (mm)	Z (mm)
Sustained	-698	0	0.000	0.000	0.000
Operating1	-698	209	-12.417	-20.012	0.000
Operating2	-698	209	5.669	3.978	0.000
Maximum	-698	209	5.669	3.978	0.000
Minimum	-698	0	-12.417	-20.012	0.000
Support load summary for limit stop at node 188 (0.000,0.000,1.000)					
Load combination	Load (N)	Friction (N)	Displacements (global)		
			X (mm)	Y (mm)	Z (mm)
Sustained	-625	0	0.000	0.000	0.000
Operating1	-625	188	-8.793	-19.698	0.000
Operating2	-625	188	5.280	3.812	0.000
Maximum	-625	188	5.280	3.812	0.000
Minimum	-625	0	-8.793	-19.698	0.000
Support load summary for limit stop at node 192 (0.000,0.000,1.000)					
Load combination	Load (N)	Friction (N)	Displacements (global)		
			X (mm)	Y (mm)	Z (mm)
Sustained	-902	0	0.000	0.000	0.000
Operating1	-902	271	13.202	-13.115	0.000
Operating2	-902	271	-0.892	0.613	0.000
Maximum	-902	271	13.202	0.613	0.000
Minimum	-902	0	-0.892	-13.115	0.000
Support load summary for limit stop at node 196 (0.000,0.000,1.000)					
Load combination	Load (N)	Friction (N)	Displacements (global)		
			X (mm)	Y (mm)	Z (mm)
Sustained	-917	0	0.000	0.000	0.000
Operating1	-917	275	13.432	-21.185	0.000
Operating2	-917	275	-1.004	1.507	0.000
Maximum	-917	275	13.432	1.507	0.000
Minimum	-917	0	-1.004	-21.185	0.000
Support load summary for limit stop at node 200 (0.000,0.000,1.000)					
Load combination	Load (N)	Friction (N)	Displacements (global)		
			X (mm)	Y (mm)	Z (mm)
Sustained	-917	0	0.000	0.000	0.000
Operating1	-917	275	17.431	-26.741	0.000

Support load summary for limit stop at node 200 (0.000,0.000,1.000)					
Load combination	Load (N)	Friction (N)	Displacements (global)		
			X (mm)	Y (mm)	Z (mm)
Operating2	-917	275	-1.457	2.192	0.000
Maximum	-917	275	17.431	2.192	0.000
Minimum	-917	0	-1.457	-26.741	0.000
Support load summary for limit stop at node 204 (0.000,0.000,1.000)					
Load combination	Load (N)	Friction (N)	Displacements (global)		
			X (mm)	Y (mm)	Z (mm)
Sustained	-907	0	0.000	0.000	0.000
Operating1	-907	272	23.878	-30.672	0.000
Operating2	-907	272	-2.072	2.789	0.000
Maximum	-907	272	23.878	2.789	0.000
Minimum	-907	0	-2.072	-30.672	0.000
Support load summary for limit stop at node 208 (0.000,0.000,1.000)					
Load combination	Load (N)	Friction (N)	Displacements (global)		
			X (mm)	Y (mm)	Z (mm)
Sustained	-739	0	0.000	0.000	0.000
Operating1	-739	222	18.125	-42.824	0.000
Operating2	-739	222	-1.589	4.142	0.000
Maximum	-739	222	18.125	4.142	0.000
Minimum	-739	0	-1.589	-42.824	0.000
Support load summary for limit stop at node 212 (0.000,0.000,1.000)					
Load combination	Load (N)	Friction (N)	Displacements (global)		
			X (mm)	Y (mm)	Z (mm)
Sustained	-236	0	0.000	0.000	0.000
Operating1	-236	71	18.164	-38.450	0.000
Operating2	-236	71	-1.555	3.628	0.000
Maximum	-236	71	18.164	3.628	0.000
Minimum	-236	0	-1.555	-38.450	0.000
Support load summary for limit stop at node 214 (0.000,0.000,1.000)					
Load combination	Load (N)	Friction (N)	Displacements (global)		
			X (mm)	Y (mm)	Z (mm)
Sustained	-676	0	0.000	0.000	0.000
Operating1	-676	203	5.614	-13.484	0.000
Operating2	-676	203	-0.211	0.875	0.000
Maximum	-676	203	5.614	0.875	0.000
Minimum	-676	0	-0.211	-13.484	0.000
Support load summary for limit stop at node 98 (0.640,-0.768,0.000)					
Load combination	Load (N)	Friction (N)	Displacements (global)		
			X (mm)	Y (mm)	Z (mm)
Sustained	0	0	0.000	0.000	0.000
Operating1	0	0	0.000	0.000	0.000

Support load summary for limit stop at node 98 (0.640,-0.768,0.000)						
Load combination	Load (N)	Friction (N)	Displacements (global)			
			X (mm)	Y (mm)	Z (mm)	
Operating2	0	0	-0.261	0.313	0.000	
Maximum	0	0	0.000	0.313	0.000	
Minimum	0	0	-0.261	0.000	0.000	
Support load summary for limit stop at node 154 (0.286,-0.958,0.000)						
Load combination	Load (N)	Friction (N)	Displacements (global)			
			X (mm)	Y (mm)	Z (mm)	
Sustained	0	0	0.000	0.000	0.000	
Operating1	0	0	-9.888	33.122	0.000	
Operating2	0	0	1.139	-3.814	0.000	
Maximum	0	0	1.139	33.122	0.000	
Minimum	0	0	-9.888	-3.814	0.000	
Displacements: Sustained (W+P)						
Node	Displacements (global)					
	X (mm)	Y (mm)	Z (mm)	XX (deg)	YY (deg)	ZZ (deg)
10	0.000	0.000	0.000	0.0000	0.0000	0.0000
12	0.000	0.000	0.000	0.0000	0.0067	0.0000
14	0.000	0.000	0.000	0.0198	-0.0113	0.0000
16A	0.000	0.000	0.238	0.0164	-0.0058	0.0000
16B	0.000	0.000	0.251	0.0159	-0.0039	0.0000
18	0.000	0.000	0.000	0.0199	0.0002	0.0000
20	0.000	0.000	0.000	0.0041	-0.0112	0.0000
22	0.000	0.000	0.000	0.0071	-0.0066	0.0000
24	0.000	0.000	0.000	0.0050	-0.0064	0.0000
26	0.000	0.000	0.000	0.0045	-0.0048	0.0000
28	0.000	0.000	0.000	0.0028	-0.0043	0.0000
30	0.000	0.000	0.000	0.0042	-0.0011	0.0000
32	0.000	0.000	0.000	-0.0058	-0.0076	0.0000
34	0.000	0.000	0.054	0.0009	-0.0012	0.0000
36	0.000	0.000	0.000	0.0082	0.0046	0.0000
38	0.000	0.000	0.000	-0.0024	-0.0009	0.0000
40	0.000	0.000	0.000	-0.0007	0.0022	0.0000
42	0.000	0.000	0.000	-0.0023	0.0030	0.0000
44	0.000	0.000	0.000	-0.0030	0.0044	0.0000
46	0.000	0.000	0.000	-0.0039	0.0056	0.0000
48	0.000	0.000	0.000	-0.0048	0.0069	0.0000
50	0.000	0.000	0.000	-0.0057	0.0082	0.0000
52	0.000	0.000	0.000	-0.0065	0.0094	0.0000
54	0.000	0.000	0.000	-0.0074	0.0107	0.0000
56	0.000	0.000	0.000	-0.0083	0.0120	0.0000
58	0.000	0.000	0.000	-0.0092	0.0133	0.0000
60	0.000	0.000	0.000	-0.0101	0.0145	0.0000
62	0.000	0.000	0.000	-0.0109	0.0159	0.0000
64	0.000	0.000	0.000	-0.0121	0.0169	0.0000

Displacements: Sustained (W+P)						
Node	Displacements (global)					
	X (mm)	Y (mm)	Z (mm)	XX (deg)	YY (deg)	ZZ (deg)
66	0.000	0.000	0.000	-0.0117	0.0191	0.0000
68	0.000	0.000	0.000	-0.0423	0.0017	0.0000
70A	0.000	0.000	0.420	-0.0391	0.0047	0.0000
70B	0.000	0.000	0.420	-0.0374	0.0099	0.0000
72	0.000	0.000	0.000	-0.0381	0.0176	0.0000
74	0.000	0.000	0.000	-0.0013	-0.0020	0.0000
76	0.000	0.000	0.000	0.0324	-0.0167	0.0000
78A	0.000	0.000	0.421	0.0314	-0.0074	0.0000
78B	0.000	0.000	0.424	0.0332	-0.0031	0.0000
80	0.000	0.000	0.000	0.0392	0.0016	0.0000
82	0.000	0.000	0.000	0.0112	-0.0258	0.0000
84	0.000	0.000	0.000	0.0176	-0.0178	0.0000
86	0.000	0.000	0.000	0.0143	-0.0180	0.0000
88	0.000	0.000	0.000	0.0135	-0.0160	0.0000
90	0.000	0.000	0.000	0.0121	-0.0146	0.0000
92	0.000	0.000	0.000	0.0109	-0.0130	0.0000
94	0.000	0.000	0.000	0.0096	-0.0115	0.0000
96	0.000	0.000	0.000	0.0083	-0.0100	0.0000
98	0.000	0.000	0.000	0.0070	-0.0085	0.0000
100	0.000	0.000	0.000	0.0059	-0.0068	0.0000
102	0.000	0.000	0.000	0.0039	-0.0059	0.0000
104	0.000	0.000	0.000	0.0055	-0.0020	0.0000
106	0.000	0.000	0.000	-0.0065	-0.0094	0.0000
108	0.000	0.000	0.000	0.0000	-0.0025	0.0000
110A	0.000	0.000	0.039	-0.0016	-0.0033	0.0000
110B	0.000	0.000	0.044	-0.0014	-0.0031	0.0000
112	0.000	0.000	0.000	0.0128	-0.0011	0.0000
114	0.000	0.000	0.000	-0.0033	0.0005	0.0000
116	0.000	0.000	0.000	0.0001	0.0038	0.0000
118	0.000	0.000	0.000	0.0007	0.0069	0.0000
120	0.000	0.000	0.000	-0.0067	0.0092	0.0000
122	0.000	0.000	0.000	0.0208	0.0148	0.0000
124	0.000	0.000	0.000	-0.0321	0.0136	0.0000
126A	0.000	0.000	0.205	-0.0021	0.0173	0.0000
126B	0.000	0.000	0.203	0.0020	0.0180	0.0000
128	0.000	0.000	0.000	0.0105	0.0176	0.0000
130	0.000	0.000	0.000	-0.0056	0.0040	0.0000
132	0.000	0.000	0.000	0.0028	-0.0023	0.0000
134A	0.000	0.000	-0.201	0.0107	-0.0037	0.0000
134B	0.000	0.000	-0.190	0.0054	-0.0107	0.0000
136	0.000	0.000	0.000	-0.0056	0.0010	0.0000
138A	0.000	0.000	-0.358	-0.0177	0.0136	0.0000
138B	0.000	0.000	-0.361	-0.0220	0.0096	0.0000
140	0.000	0.000	0.000	-0.0034	0.0154	0.0000
142A	0.000	0.000	-0.405	0.0151	0.0211	0.0000

Displacements: Sustained (W+P)						
Node	Displacements (global)					
	X (mm)	Y (mm)	Z (mm)	XX (deg)	YY (deg)	ZZ (deg)
142B	0.000	0.000	-0.404	0.0090	0.0228	0.0000
144	0.000	0.000	0.000	0.0052	0.0064	0.0000
146A	0.000	0.000	-0.139	0.0022	-0.0094	0.0000
146B	0.000	0.000	-0.149	-0.0056	-0.0067	0.0000
148	0.000	0.000	0.000	0.0012	-0.0018	0.0000
150	0.000	0.000	0.000	-0.0035	0.0022	0.0000
152	0.000	0.000	0.000	0.0073	0.0109	0.0000
154	0.000	0.000	0.000	-0.0086	0.0133	0.0000
156	0.000	0.000	0.000	0.0010	0.0234	0.0000
158	0.000	0.000	0.000	-0.0297	0.0262	0.0000
160A	0.000	0.000	0.185	-0.0125	0.0338	0.0000
160B	0.000	0.000	0.185	-0.0108	0.0344	0.0000
162	0.000	0.000	0.000	0.0072	0.0424	0.0000
164	0.000	0.000	0.000	-0.0204	0.0360	0.0000
166	0.000	0.000	0.000	-0.0149	0.0425	0.0000
168	0.000	0.000	0.000	-0.0182	0.0456	0.0000
170	0.000	0.000	0.000	-0.0192	0.0496	0.0000
172	0.000	0.000	0.000	-0.0209	0.0533	0.0000
174	0.000	0.000	0.000	-0.0223	0.0572	0.0000
176	0.000	0.000	0.000	-0.0239	0.0609	0.0000
178	0.000	0.000	0.000	-0.0248	0.0649	0.0000
180	0.000	0.000	0.000	-0.0284	0.0679	0.0000
182	0.000	0.000	0.000	-0.0218	0.0748	0.0000
184	0.000	0.000	0.000	-0.0536	0.0668	0.0000
186A	0.000	0.000	0.276	-0.0394	0.0734	0.0000
186B	0.000	0.000	0.276	-0.0370	0.0746	0.0000
188	0.000	0.000	0.000	-0.0255	0.0805	0.0000
190	0.000	0.000	0.000	-0.0470	0.0586	0.0000
192	0.000	0.000	0.000	-0.0369	0.0580	0.0000
194	0.000	0.000	0.000	-0.0353	0.0517	0.0000
196	0.000	0.000	0.000	-0.0314	0.0469	0.0000
198	0.000	0.000	0.000	-0.0281	0.0417	0.0000
200	0.000	0.000	0.000	-0.0247	0.0366	0.0000
202	0.000	0.000	0.000	-0.0209	0.0317	0.0000
204	0.000	0.000	0.000	-0.0187	0.0258	0.0000
206	0.000	0.000	0.000	-0.0106	0.0238	0.0000
208	0.000	0.000	0.000	-0.0248	0.0069	0.0000
210A	0.000	0.000	0.131	-0.0143	0.0123	0.0000
210B	0.000	0.000	0.097	-0.0126	0.0113	0.0000
212	0.000	0.000	0.000	-0.0117	0.0103	0.0000
214	0.000	0.000	0.000	-0.0001	-0.0043	0.0000
216	0.000	0.000	0.000	0.0000	0.0000	0.0000

Displacements: Operating (W+P1+T1)						
Node	Displacements (global)					
	X (mm)	Y (mm)	Z (mm)	XX (deg)	YY (deg)	ZZ (deg)
10	0.000	0.000	0.000	0.0000	0.0000	0.0000
12	2.933	2.348	0.000	0.0000	0.0067	0.2066
14	-12.792	28.020	0.000	0.0198	-0.0113	0.3547
16A	-14.877	31.758	0.238	0.0164	-0.0058	0.2258
16B	-15.025	31.491	0.251	0.0159	-0.0039	-0.3303
18	-21.073	24.780	0.000	0.0199	0.0002	-0.3395
20	-24.210	17.539	0.000	0.0041	-0.0112	0.0638
22	-16.570	19.479	0.000	0.0071	-0.0066	0.0830
24	-12.929	18.022	0.000	0.0050	-0.0064	-0.0138
26	-12.078	14.198	0.000	0.0045	-0.0048	-0.0275
28	-10.705	10.823	0.000	0.0028	-0.0043	-0.0039
30	-7.596	8.930	0.000	0.0042	-0.0011	0.0430
32	-2.510	8.724	0.000	-0.0058	-0.0076	0.0414
34	-1.293	8.199	0.054	0.0009	-0.0012	0.0016
36	-1.030	6.934	0.000	0.0082	0.0046	-0.0372
38	-1.617	2.336	0.000	-0.0024	-0.0009	-0.0275
40	0.204	-0.588	0.000	-0.0007	0.0022	0.0068
42	2.303	-3.326	0.000	-0.0023	0.0030	0.0001
44	4.268	-6.162	0.000	-0.0030	0.0044	0.0000
46	6.232	-9.002	0.000	-0.0039	0.0056	0.0000
48	8.204	-11.843	0.000	-0.0048	0.0069	0.0000
50	10.171	-14.692	0.000	-0.0057	0.0082	-0.0002
52	12.126	-17.554	0.000	-0.0065	0.0094	-0.0002
54	14.119	-20.395	0.000	-0.0074	0.0107	0.0011
56	16.174	-23.198	0.000	-0.0083	0.0120	0.0009
58	18.077	-26.111	0.000	-0.0092	0.0133	-0.0045
60	19.740	-29.195	0.000	-0.0101	0.0145	-0.0035
62	22.044	-31.841	0.000	-0.0109	0.0159	0.0185
64	25.328	-33.812	0.000	-0.0121	0.0169	0.0139
66	26.020	-37.584	0.000	-0.0117	0.0191	-0.0745
68	22.515	-44.257	0.000	-0.0423	0.0017	0.0001
70A	23.406	-44.464	0.420	-0.0391	0.0047	0.0962
70B	23.609	-43.546	0.420	-0.0374	0.0099	0.4080
72	20.757	-38.041	0.000	-0.0381	0.0176	0.4962
74	0.000	0.000	0.000	-0.0013	-0.0020	0.5353
76	-13.081	26.495	0.000	0.0324	-0.0167	0.2483
78A	-14.342	29.867	0.421	0.0314	-0.0074	0.1777
78B	-14.206	30.155	0.424	0.0332	-0.0031	-0.0058
80	-14.211	29.088	0.000	0.0392	0.0016	-0.0733
82	-18.166	21.060	0.000	0.0112	-0.0258	-0.0933
84	-17.184	17.333	0.000	0.0176	-0.0178	0.0226
86	-13.342	15.997	0.000	0.0143	-0.0180	0.0225
88	-10.785	13.595	0.000	0.0135	-0.0160	-0.0045
90	-8.883	10.652	0.000	0.0121	-0.0146	-0.0044
92	-6.712	7.939	0.000	0.0109	-0.0130	0.0010

Displacements: Operating (W+P1+T1)						
Node	Displacements (global)					
	X (mm)	Y (mm)	Z (mm)	XX (deg)	YY (deg)	ZZ (deg)
94	-4.436	5.319	0.000	0.0096	-0.0115	0.0002
96	-2.256	2.625	0.000	0.0083	-0.0100	-0.0012
98	0.000	0.000	0.000	0.0070	-0.0085	0.0048
100	2.696	-2.255	0.000	0.0059	-0.0068	0.0113
102	4.434	-5.316	0.000	0.0039	-0.0059	-0.0503
104	6.655	-7.979	0.000	0.0055	-0.0020	0.1638
106	27.739	5.083	0.000	-0.0065	-0.0094	0.4507
108	41.264	13.797	0.000	0.0000	-0.0025	0.2987
110A	44.678	15.541	0.039	-0.0016	-0.0033	0.1268
110B	44.755	15.505	0.044	-0.0014	-0.0031	-0.0541
112	42.357	14.429	0.000	0.0128	-0.0011	-0.2236
114	17.141	8.577	0.000	-0.0033	0.0005	-0.3852
116	-0.323	3.454	0.000	0.0001	0.0038	-0.1041
118	0.000	0.000	0.000	0.0007	0.0069	0.0336
120	0.967	-3.393	0.000	-0.0067	0.0092	-0.0029
122	0.647	-6.911	0.000	0.0208	0.0148	-0.0220
124	-0.637	-11.380	0.000	-0.0321	0.0136	0.0094
126A	-0.195	-12.180	0.205	-0.0021	0.0173	0.0368
126B	-0.168	-12.201	0.203	0.0020	0.0180	0.0467
128	1.077	-12.730	0.000	0.0105	0.0176	0.0684
130	4.323	-14.482	0.000	-0.0056	0.0040	-0.0012
132	5.070	-16.984	0.000	0.0028	-0.0023	0.0869
134A	8.933	-16.999	-0.201	0.0107	-0.0037	0.2489
134B	9.679	-15.711	-0.190	0.0054	-0.0107	0.5432
136	7.123	-2.674	0.000	-0.0056	0.0010	0.6202
138A	4.310	11.757	-0.358	-0.0177	0.0136	0.5269
138B	5.036	12.992	-0.361	-0.0220	0.0096	0.2294
140	8.459	12.665	0.000	-0.0034	0.0154	0.0271
142A	6.757	10.891	-0.405	0.0151	0.0211	-0.2075
142B	5.424	11.658	-0.404	0.0090	0.0228	-0.6078
144	-0.520	27.971	0.000	0.0052	0.0064	-0.7455
146A	-5.980	43.087	-0.139	0.0022	-0.0094	-0.6625
146B	-7.577	43.977	-0.149	-0.0056	-0.0067	-0.3058
148	-11.771	41.631	0.000	0.0012	-0.0018	-0.1228
150	-11.628	38.951	0.000	-0.0035	0.0022	0.0286
152	-10.518	36.563	0.000	0.0073	0.0109	-0.0070
154	-9.888	33.122	0.000	-0.0086	0.0133	0.0076
156	-7.692	30.153	0.000	0.0010	0.0234	0.0141
158	-7.498	26.517	0.000	-0.0297	0.0262	-0.0435
160A	-8.062	25.464	0.185	-0.0125	0.0338	-0.0466
160B	-8.069	25.448	0.185	-0.0108	0.0344	-0.0448
162	-8.378	24.405	0.000	0.0072	0.0424	-0.0324
164	-8.045	20.620	0.000	-0.0204	0.0360	-0.0037
166	-6.790	17.200	0.000	-0.0149	0.0425	0.0007
168	-5.399	13.838	0.000	-0.0182	0.0456	0.0008

Displacements: Operating (W+P1+T1)						
Node	Displacements (global)					
	X (mm)	Y (mm)	Z (mm)	XX (deg)	YY (deg)	ZZ (deg)
170	-4.061	10.461	0.000	-0.0192	0.0496	-0.0001
172	-2.760	7.074	0.000	-0.0209	0.0533	-0.0005
174	-1.488	3.682	0.000	-0.0223	0.0572	-0.0008
176	-0.128	0.328	0.000	-0.0239	0.0609	0.0037
178	1.717	-2.831	0.000	-0.0248	0.0649	0.0113
180	2.501	-6.409	0.000	-0.0284	0.0679	-0.0490
182	-3.759	-12.740	0.000	-0.0218	0.0748	-0.1702
184	-12.417	-20.012	0.000	-0.0536	0.0668	-0.0379
186A	-11.878	-20.711	0.276	-0.0394	0.0734	0.0760
186B	-11.815	-20.709	0.276	-0.0370	0.0746	0.1197
188	-8.793	-19.698	0.000	-0.0255	0.0805	0.2266
190	8.281	-12.318	0.000	-0.0470	0.0586	0.1912
192	13.202	-13.115	0.000	-0.0369	0.0580	-0.0377
194	12.085	-17.976	0.000	-0.0353	0.0517	-0.0398
196	13.432	-21.185	0.000	-0.0314	0.0469	0.0094
198	15.897	-23.647	0.000	-0.0281	0.0417	0.0020
200	17.431	-26.741	0.000	-0.0247	0.0366	-0.0079
202	19.720	-29.332	0.000	-0.0209	0.0317	0.0298
204	23.878	-30.672	0.000	-0.0187	0.0258	0.0260
206	23.551	-35.031	0.000	-0.0106	0.0238	-0.1342
208	18.125	-42.824	0.000	-0.0248	0.0069	0.0088
210A	19.447	-42.834	0.131	-0.0143	0.0123	0.1452
210B	19.709	-41.609	0.097	-0.0126	0.0113	0.5356
212	18.164	-38.450	0.000	-0.0117	0.0103	0.5901
214	5.614	-13.484	0.000	-0.0001	-0.0043	0.5846
216	0.000	0.000	0.000	0.0000	0.0000	0.0000
Displacements: Operating (W+P2+T2)						
Node	Displacements (global)					
	X (mm)	Y (mm)	Z (mm)	XX (deg)	YY (deg)	ZZ (deg)
10	0.000	0.000	0.000	0.0000	0.0000	0.0000
12	-0.361	-0.289	0.000	0.0000	0.0066	-0.0252
14	1.809	-3.750	0.000	0.0194	-0.0110	-0.0597
16A	2.221	-4.406	0.234	0.0161	-0.0057	-0.0450
16B	2.244	-4.415	0.247	0.0156	-0.0038	0.0409
18	3.024	-3.556	0.000	0.0195	0.0002	0.0429
20	3.252	-2.798	0.000	0.0040	-0.0110	-0.0091
22	2.471	-2.904	0.000	0.0069	-0.0065	-0.0062
24	2.119	-2.650	0.000	0.0049	-0.0063	0.0011
26	1.927	-2.265	0.000	0.0044	-0.0048	0.0017
28	1.747	-1.875	0.000	0.0027	-0.0042	0.0016
30	1.394	-1.639	0.000	0.0041	-0.0011	-0.0080
32	0.437	-1.921	0.000	-0.0057	-0.0074	-0.0139
34	0.176	-1.961	0.053	0.0009	-0.0011	-0.0010
36	0.241	-1.747	0.000	0.0081	0.0045	0.0119

Displacements: Operating (W+P2+T2)						
Node	Displacements (global)					
	X (mm)	Y (mm)	Z (mm)	XX (deg)	YY (deg)	ZZ (deg)
38	0.668	-0.965	0.000	-0.0024	-0.0009	0.0065
40	0.481	-0.614	0.000	-0.0007	0.0021	-0.0016
42	0.220	-0.318	0.000	-0.0022	0.0029	-0.0001
44	0.000	0.000	0.000	-0.0029	0.0043	0.0000
46	-0.222	0.320	0.000	-0.0038	0.0055	0.0000
48	-0.446	0.644	0.000	-0.0047	0.0068	0.0000
50	-0.672	0.971	0.000	-0.0055	0.0080	0.0000
52	-0.901	1.301	0.000	-0.0064	0.0093	0.0000
54	-1.132	1.635	0.000	-0.0073	0.0105	0.0000
56	-1.367	1.971	0.000	-0.0081	0.0118	0.0000
58	-1.600	2.312	0.000	-0.0090	0.0130	0.0002
60	-1.824	2.665	0.000	-0.0099	0.0143	0.0003
62	-2.078	3.002	0.000	-0.0107	0.0156	-0.0012
64	-2.428	3.278	0.000	-0.0119	0.0166	-0.0018
66	-2.565	3.705	0.000	-0.0114	0.0187	0.0084
68	-2.124	4.541	0.000	-0.0415	0.0017	-0.0001
70A	-2.243	4.561	0.412	-0.0384	0.0046	-0.0138
70B	-2.271	4.427	0.412	-0.0366	0.0097	-0.0590
72	-1.866	3.665	0.000	-0.0374	0.0172	-0.0647
74	0.000	0.000	0.000	-0.0013	-0.0020	-0.0417
76	1.162	-2.605	0.000	0.0318	-0.0164	-0.0435
78A	1.469	-3.252	0.413	0.0308	-0.0072	-0.0395
78B	1.451	-3.326	0.416	0.0325	-0.0031	-0.0027
80	1.438	-3.204	0.000	0.0385	0.0016	0.0092
82	1.914	-2.218	0.000	0.0109	-0.0253	0.0100
84	1.694	-1.840	0.000	0.0173	-0.0175	-0.0028
86	1.327	-1.591	0.000	0.0140	-0.0177	-0.0007
88	1.051	-1.270	0.000	0.0133	-0.0157	0.0002
90	0.788	-0.945	0.000	0.0119	-0.0143	0.0000
92	0.523	-0.627	0.000	0.0107	-0.0128	0.0000
94	0.260	-0.312	0.000	0.0094	-0.0113	0.0000
96	0.000	0.000	0.000	0.0082	-0.0098	0.0000
98	-0.261	0.313	0.000	0.0069	-0.0083	0.0000
100	-0.535	0.621	0.000	0.0058	-0.0067	-0.0006
102	-0.792	0.949	0.000	0.0038	-0.0058	0.0024
104	-1.061	1.272	0.000	0.0054	-0.0019	-0.0086
106	-3.104	0.122	0.000	-0.0064	-0.0092	-0.0674
108	-5.513	-1.572	0.000	0.0000	-0.0025	-0.0616
110A	-6.147	-1.965	0.038	-0.0016	-0.0032	-0.0193
110B	-6.141	-1.956	0.043	-0.0013	-0.0031	0.0313
112	-5.242	-1.767	0.000	0.0125	-0.0010	0.0680
114	-0.392	-0.883	0.000	-0.0033	0.0004	0.0423
116	0.039	-0.418	0.000	0.0001	0.0037	-0.0059
118	0.000	0.000	0.000	0.0007	0.0067	0.0017
120	-0.040	0.415	0.000	-0.0066	0.0090	-0.0009

Displacements: Operating (W+P2+T2)						
Node	Displacements (global)					
	X (mm)	Y (mm)	Z (mm)	XX (deg)	YY (deg)	ZZ (deg)
122	-0.078	0.835	0.000	0.0204	0.0145	0.0021
124	0.254	1.399	0.000	-0.0315	0.0134	0.0051
126A	0.298	1.507	0.201	-0.0020	0.0169	-0.0007
126B	0.296	1.510	0.199	0.0019	0.0177	-0.0040
128	0.127	1.571	0.000	0.0103	0.0173	-0.0111
130	-0.513	1.718	0.000	-0.0055	0.0039	-0.0064
132	-0.606	2.030	0.000	0.0028	-0.0022	0.0039
134A	-0.644	2.165	-0.197	0.0105	-0.0036	-0.0087
134B	-0.703	2.062	-0.187	0.0053	-0.0105	-0.0543
136	-0.474	0.748	0.000	-0.0055	0.0010	-0.0578
138A	-0.295	-0.451	-0.351	-0.0174	0.0134	-0.0392
138B	-0.353	-0.530	-0.354	-0.0215	0.0095	-0.0134
140	-0.606	-0.438	0.000	-0.0034	0.0151	-0.0074
142A	-0.696	-0.301	-0.398	0.0148	0.0207	0.0111
142B	-0.558	-0.388	-0.397	0.0089	0.0224	0.0771
144	0.242	-2.624	0.000	0.0051	0.0062	0.1097
146A	1.042	-4.926	-0.136	0.0021	-0.0092	0.0990
146B	1.236	-5.050	-0.146	-0.0055	-0.0065	0.0229
148	1.376	-4.865	0.000	0.0012	-0.0018	0.0013
150	1.353	-4.533	0.000	-0.0034	0.0022	0.0013
152	1.312	-4.209	0.000	0.0072	0.0107	0.0007
154	1.139	-3.814	0.000	-0.0084	0.0131	-0.0034
156	0.697	-3.505	0.000	0.0010	0.0230	-0.0039
158	0.853	-3.015	0.000	-0.0291	0.0257	0.0166
160A	1.121	-2.832	0.182	-0.0123	0.0332	0.0155
160B	1.124	-2.830	0.182	-0.0106	0.0337	0.0141
162	1.238	-2.675	0.000	0.0070	0.0416	0.0054
164	0.911	-2.336	0.000	-0.0200	0.0354	-0.0038
166	0.723	-1.948	0.000	-0.0146	0.0417	0.0009
168	0.601	-1.540	0.000	-0.0179	0.0448	0.0001
170	0.449	-1.148	0.000	-0.0189	0.0487	0.0000
172	0.297	-0.761	0.000	-0.0205	0.0523	0.0000
174	0.148	-0.378	0.000	-0.0218	0.0561	0.0001
176	0.000	0.000	0.000	-0.0235	0.0597	-0.0002
178	-0.133	0.382	0.000	-0.0243	0.0637	0.0015
180	-0.296	0.758	0.000	-0.0279	0.0666	-0.0057
182	0.360	1.458	0.000	-0.0214	0.0734	0.0562
184	5.669	3.978	0.000	-0.0526	0.0655	0.0552
186A	6.138	4.265	0.271	-0.0386	0.0720	-0.0001
186B	6.130	4.265	0.271	-0.0363	0.0732	-0.0243
188	5.280	3.812	0.000	-0.0250	0.0789	-0.0792
190	-0.340	0.506	0.000	-0.0461	0.0575	-0.0590
192	-0.892	0.613	0.000	-0.0362	0.0569	0.0145
194	-0.785	1.167	0.000	-0.0346	0.0507	0.0009
196	-1.004	1.507	0.000	-0.0308	0.0460	-0.0002

Displacements: Operating (W+P2+T2)						
Node	Displacements (global)					
	X (mm)	Y (mm)	Z (mm)	XX (deg)	YY (deg)	ZZ (deg)
198	-1.238	1.842	0.000	-0.0275	0.0409	0.0000
200	-1.457	2.192	0.000	-0.0242	0.0359	0.0003
202	-1.701	2.531	0.000	-0.0205	0.0311	-0.0013
204	-2.072	2.789	0.000	-0.0184	0.0253	-0.0029
206	-2.173	3.233	0.000	-0.0104	0.0234	0.0129
208	-1.589	4.142	0.000	-0.0243	0.0068	0.0014
210A	-1.716	4.170	0.128	-0.0141	0.0121	-0.0150
210B	-1.748	4.022	0.095	-0.0124	0.0111	-0.0669
212	-1.555	3.628	0.000	-0.0114	0.0101	-0.0731
214	-0.211	0.875	0.000	-0.0001	-0.0043	-0.0494
216	0.000	0.000	0.000	0.0000	0.0000	0.0000