

Caepipe

přeložka HV Kralupy CIRKULACE

Quality Assurance Block

Caepipe

Version 10.10

Client : Digitronic CZ s.r.o.

Project : přeložka HV Kralupy

File Number : CIRKULACE

Report Number : 231021/3

Model Name : 3 cirkulace v1

Title : přeložka HV Kralupy CIRKULACE

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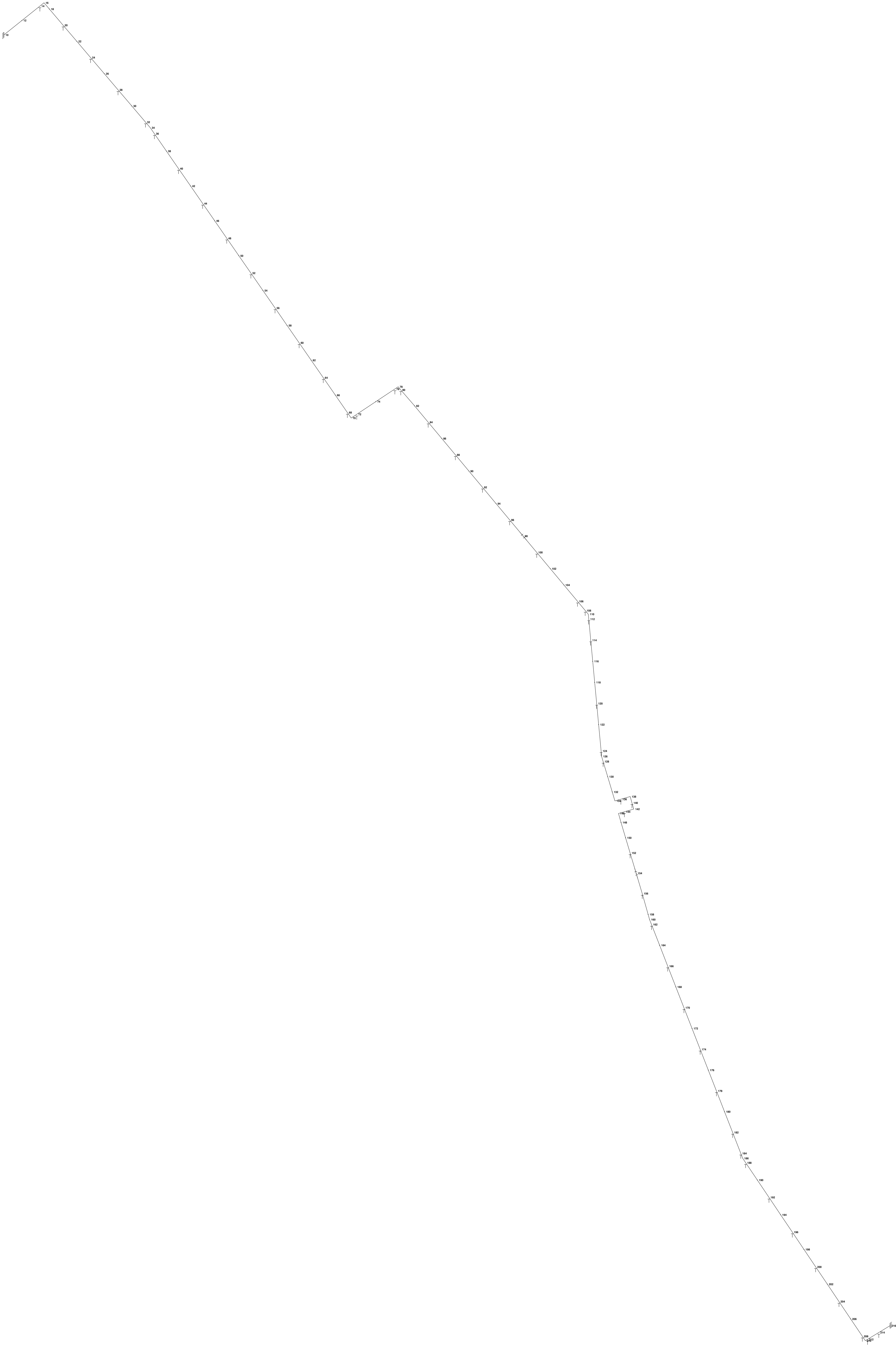


Table of Contents

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 CÍRKULACE								
2	10	From	-63627	69665					Anchor
3	12		3393	2716		M2	40	CIRK	Guide
4	14		3393	2716		M2	40	CIRK	Limit stop
5	16	Bend	781	625		M2	40	CIRK	
6	18		1006.72	-1183.82		M2	40	CIRK	Guide
7	20		2596.47	-3053.26		M2	40	CIRK	Limit stop
8	22		2592	-3047		M2	40	CIRK	Guide
9	24		2592	-3047		M2	40	CIRK	Limit stop
10	26		2592	-3047		M2	40	CIRK	Guide
11	28		2592	-3047		M2	40	CIRK	Limit stop
12	30		2592	-3047		M2	40	CIRK	Guide
13	32		2592	-3047		M2	40	CIRK	Limit stop
14	34		893.347	-1050.51		M2	40	CIRK	
15	36		785	-1134		M2	40	CIRK	Limit stop
16	38		2277	-3289		M2	40	CIRK	Guide
17	40		2277	-3289		M2	40	CIRK	Limit stop
18	42		2277	-3289		M2	40	CIRK	Guide
19	44		2277	-3289		M2	40	CIRK	Limit stop
20	46		2277	-3289		M2	40	CIRK	Guide
21	48		2277	-3289		M2	40	CIRK	Limit stop
22	50		2277	-3289		M2	40	CIRK	Guide
23	52		2277	-3289		M2	40	CIRK	Limit stop
24	54		2277	-3289		M2	40	CIRK	Guide
25	56		2277	-3289		M2	40	CIRK	Limit stop
26	58		2277	-3289		M2	40	CIRK	Guide
27	60		2277	-3289		M2	40	CIRK	Limit stop

Layout (108)									
#	Node	Type	DX (mm)	DY (mm)	DZ (mm)	Matl	Sect	Load	Data
28	62		2277	-3289		M2	40	CIRK	Guide
29	64		2277	-3289		M2	40	CIRK	Limit stop
30	66		2277	-3289		M2	40	CIRK	Guide
31	68		2277	-3289		M2	40	CIRK	Limit stop
32	70	Bend	719.985	-1040.12		M2	40	CIRK	
33	72		1050.44	699.449		M2	40	CIRK	Limit stop
34	74		3594	2389		M2	40	CIRK	Guide
35	76		3595	2390		M2	40	CIRK	Limit stop
36	78	Bend	633.176	420.343		M2	40	CIRK	
37	80		486.988	-583.474		M2	40	CIRK	Limit stop
38	82		2612.71	-3028.82		M2	40	CIRK	Guide
39	84		2562	-3072		M2	40	CIRK	Limit stop
40	86		2562	-3072		M2	40	CIRK	Guide
41	88		2562	-3072		M2	40	CIRK	Limit stop
42	90		2562	-3072		M2	40	CIRK	Guide
43	92		2562	-3072		M2	40	CIRK	Limit stop
44	94		2562	-3072		M2	40	CIRK	Guide
45	96		2562	-3072		M2	40	CIRK	Limit stop
46	98		2562	-3072		M2	40	CIRK	Guide
47	100		2562	-3072		M2	40	CIRK	Limit stop
48	102		2562	-3072		M2	40	CIRK	Guide
49	104		2562	-3072		M2	40	CIRK	Guide
50	106		2562	-3072		M2	40	CIRK	Limit stop
51	108		1456	-1745		M2	40	CIRK	Limit stop
52	110	Bend	587.59	-704.008		M2	40	CIRK	
53	112		85.2527	-913.028		M2	40	CIRK	Limit stop
54	114		373	-3983		M2	40	CIRK	Limit stop
55	116		373	-3983		M2	40	CIRK	Guide
56	118		373	-3983		M2	40	CIRK	Guide
57	120		373	-3983		M2	40	CIRK	Limit stop
58	122		373	-3983		M2	40	CIRK	Guide
59	124		464	-4960		M2	40	CIRK	Limit stop
60	126	Bend	93.3246	-1032.79		M2	40	CIRK	
61	128		293.138	-970.704		M2	40	CIRK	Limit stop
62	130		856.473	-2868.88		M2	40	CIRK	Guide
63	132		856.759	-2869.84		M2	40	CIRK	Guide
64	134	Bend	508.906	-1704.66		M2	40	CIRK	
65	136		1123.32	319.949		M2	40	CIRK	Limit stop
66	138	Bend	1760.96	501.564		M2	40	CIRK	
67	140		334.928	-1184.56		M2	40	CIRK	Limit stop
68	142	Bend	334.928	-1184.56		M2	40	CIRK	
69	144		-1760.96	-501.564		M2	40	CIRK	Limit stop
70	146	Bend	-1123.32	-319.949		M2	40	CIRK	
71	148		484.026	-1711.89		M2	40	CIRK	Guide
72	150		856.759	-2869.84		M2	40	CIRK	Guide
73	152		856.473	-2868.88		M2	40	CIRK	Limit stop

Layout (108)														
#	Node	Type	DX (mm)	DY (mm)	DZ (mm)	Matl	Sect	Load	Data					
74	154		1144.35	-3833.19		M2	40	CIRK	Guide					
75	156		1144.35	-3833.19		M2	40	CIRK	Limit stop					
76	158		1114.43	-3941.48		M2	40	CIRK	Guide					
77	160	Bend	272.078	-962.275		M2	40	CIRK						
78	162		363.487	-931.599		M2	40	CIRK	Limit stop					
79	164		1531.82	-3925.98		M2	40	CIRK	Guide					
80	166		1531.82	-3925.98		M2	40	CIRK	Limit stop					
81	168		1531.82	-3925.98		M2	40	CIRK	Guide					
82	170		1531.82	-3925.98		M2	40	CIRK	Limit stop					
83	172		1531.82	-3925.98		M2	40	CIRK	Guide					
84	174		1531.82	-3925.98		M2	40	CIRK	Limit stop					
85	176		1531.82	-3925.98		M2	40	CIRK	Guide					
86	178		1531.82	-3925.98		M2	40	CIRK	Limit stop					
87	180		1531.82	-3925.98		M2	40	CIRK	Guide					
88	182		1531.82	-3925.98		M2	40	CIRK	Limit stop					
89	184		1531.82	-3925.98		M2	40	CIRK	Limit stop					
90	186	Bend	363.487	-931.6		M2	40	CIRK						
91	188		557.923	-829.893		M2	40	CIRK	Limit stop					
92	190		2202.83	-3276.61		M2	40	CIRK	Guide					
93	192		2202.83	-3276.61		M2	40	CIRK	Limit stop					
94	194		2202.83	-3276.61		M2	40	CIRK	Guide					
95	196		2202.83	-3276.61		M2	40	CIRK	Limit stop					
96	198		2202.83	-3276.61		M2	40	CIRK	Guide					
97	200		2202.83	-3276.61		M2	40	CIRK	Limit stop					
98	202		2202.83	-3276.61		M2	40	CIRK	Guide					
99	204		2202.83	-3276.61		M2	40	CIRK	Limit stop					
100	206		2202.83	-3276.61		M2	40	CIRK	Guide					
101	208		2202.83	-3276.61		M2	40	CIRK	Limit stop					
102	210	Bend	557.923	-829.894		M2	40	CIRK						
103	212		427.985	258.513		M2	40	CIRK	Limit stop					
104	214		2122.01	1281.75		M2	40	CIRK	Limit stop					
105	216		2122.01	1281.75		M2	40	CIRK	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	57	User												
70	57	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	57	User								
110	57	User								
126	57	User								
134	57	User								
138	57	User								
142	57	User								
146	57	User								
160	57	User								
186	57	User								
210	57	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 M2: EN 1.4541 (X6CRNIT18-10)												
Density = 7900 (kg/m3), Nu = 0.300, Joint factor = 1.00, Type = AS Tensile strength = 460.0 (MPa)												
Temp (C)	E (MPa)	Alpha (mm/mm/C)		f (MPa)	fCR (MPa)							
20	196000	16.10E-6		148.0								
50	193750	16.10E-6		148.0								
100	190000	16.70E-6		138.7								
150	186000	17.00E-6		130.7								
Pipe Sections (1)												
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	
40	40	1	48.3	2		12.5	100	40				
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			
CIRK	55	10.0	0	10.0	55	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	28.02	147.1	0.19	9.834	218.8	0.04	37.86	365.9	0.10		
12	111	32.93	147.1	0.22	18.68	218.8	0.09	51.61	365.9	0.14		
12	16.0	32.93	147.1	0.22	18.21	218.8	0.08	51.14	365.9	0.14		
14	111	18.19	147.1	0.12	12.01	218.8	0.05	30.20	365.9	0.08		
14	16.0	18.19	147.1	0.12	11.97	218.8	0.05	30.17	365.9	0.08		
16A	111	6.673	147.1	0.05	42.11	218.8	0.19	48.79	365.9	0.13		

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	6.833	147.1	0.05	105.7	218.8	0.48	112.5	365.9	0.31
16B	80.0	6.454	147.1	0.04	104.8	218.8	0.48	111.2	365.9	0.30
16B	16.0	6.314	147.1	0.04	41.74	218.8	0.19	48.05	365.9	0.13
18	111	17.10	147.1	0.12	19.38	218.8	0.09	36.48	365.9	0.10
18	16.0	17.10	147.1	0.12	19.73	218.8	0.09	36.83	365.9	0.10
20	111	28.50	147.1	0.19	1.196	218.8	0.01	29.70	365.9	0.08
20	16.0	28.50	147.1	0.19	1.406	218.8	0.01	29.91	365.9	0.08
22	111	25.40	147.1	0.17	3.082	218.8	0.01	28.48	365.9	0.08
22	16.0	25.40	147.1	0.17	3.476	218.8	0.02	28.87	365.9	0.08
24	111	26.19	147.1	0.18	1.615	218.8	0.01	27.81	365.9	0.08
24	16.0	26.19	147.1	0.18	2.017	218.8	0.01	28.21	365.9	0.08
26	111	26.11	147.1	0.18	2.007	218.8	0.01	28.12	365.9	0.08
26	16.0	26.11	147.1	0.18	2.408	218.8	0.01	28.52	365.9	0.08
28	111	25.64	147.1	0.17	2.439	218.8	0.01	28.08	365.9	0.08
28	16.0	25.64	147.1	0.17	2.835	218.8	0.01	28.48	365.9	0.08
30	111	27.60	147.1	0.19	5.919	218.8	0.03	33.52	365.9	0.09
30	16.0	27.60	147.1	0.19	6.335	218.8	0.03	33.93	365.9	0.09
32	111	20.23	147.1	0.14	4.406	218.8	0.02	24.64	365.9	0.07
32	16.0	20.23	147.1	0.14	4.685	218.8	0.02	24.92	365.9	0.07
34	111	6.163	147.1	0.04	23.62	218.8	0.11	29.78	365.9	0.08
34	16.0	6.163	147.1	0.04	23.62	218.8	0.11	29.78	365.9	0.08
36	111	20.23	147.1	0.14	4.446	218.8	0.02	24.68	365.9	0.07
36	16.0	20.23	147.1	0.14	4.727	218.8	0.02	24.96	365.9	0.07
38	111	27.60	147.1	0.19	6.845	218.8	0.03	34.45	365.9	0.09
38	16.0	27.60	147.1	0.19	7.261	218.8	0.03	34.86	365.9	0.10
40	111	25.63	147.1	0.17	4.646	218.8	0.02	30.27	365.9	0.08
40	16.0	25.63	147.1	0.17	5.042	218.8	0.02	30.67	365.9	0.08
42	111	26.16	147.1	0.18	4.563	218.8	0.02	30.72	365.9	0.08
42	16.0	26.16	147.1	0.18	4.965	218.8	0.02	31.12	365.9	0.09
44	111	26.02	147.1	0.18	4.953	218.8	0.02	30.97	365.9	0.08
44	16.0	26.02	147.1	0.18	5.015	218.8	0.02	31.03	365.9	0.08
46	111	26.05	147.1	0.18	5.012	218.8	0.02	31.06	365.9	0.08
46	16.0	26.05	147.1	0.18	4.611	218.8	0.02	30.66	365.9	0.08
48	111	26.04	147.1	0.18	4.610	218.8	0.02	30.65	365.9	0.08
48	16.0	26.04	147.1	0.18	4.210	218.8	0.02	30.25	365.9	0.08
50	111	26.05	147.1	0.18	4.210	218.8	0.02	30.26	365.9	0.08
50	16.0	26.05	147.1	0.18	3.810	218.8	0.02	29.86	365.9	0.08
52	111	26.04	147.1	0.18	3.810	218.8	0.02	29.85	365.9	0.08
52	16.0	26.04	147.1	0.18	3.410	218.8	0.02	29.45	365.9	0.08
54	111	26.05	147.1	0.18	3.415	218.8	0.02	29.46	365.9	0.08
54	16.0	26.05	147.1	0.18	3.015	218.8	0.01	29.06	365.9	0.08
56	111	26.04	147.1	0.18	3.011	218.8	0.01	29.05	365.9	0.08
56	16.0	26.04	147.1	0.18	2.610	218.8	0.01	28.65	365.9	0.08
58	111	26.06	147.1	0.18	2.677	218.8	0.01	28.73	365.9	0.08
58	16.0	26.06	147.1	0.18	2.276	218.8	0.01	28.33	365.9	0.08
60	111	26.00	147.1	0.18	2.218	218.8	0.01	28.22	365.9	0.08
60	16.0	26.00	147.1	0.18	1.818	218.8	0.01	27.82	365.9	0.08
62	111	26.20	147.1	0.18	2.413	218.8	0.01	28.61	365.9	0.08

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	26.20	147.1	0.18	2.012	218.8	0.01	28.21	365.9	0.08
64	111	25.47	147.1	0.17	1.425	218.8	0.01	26.89	365.9	0.07
64	16.0	25.47	147.1	0.17	1.030	218.8	0.00	26.50	365.9	0.07
66	111	28.20	147.1	0.19	6.948	218.8	0.03	35.15	365.9	0.10
66	16.0	28.20	147.1	0.19	6.525	218.8	0.03	34.72	365.9	0.09
68	111	18.00	147.1	0.12	11.79	218.8	0.05	29.79	365.9	0.08
68	16.0	18.00	147.1	0.12	11.50	218.8	0.05	29.50	365.9	0.08
70A	111	7.600	147.1	0.05	24.11	218.8	0.11	31.71	365.9	0.09
70A	16.0	8.500	147.1	0.06	60.45	218.8	0.28	68.95	365.9	0.19
70B	80.0	7.679	147.1	0.05	58.00	218.8	0.27	65.67	365.9	0.18
70B	16.0	7.660	147.1	0.05	23.04	218.8	0.11	30.70	365.9	0.08
72	111	19.41	147.1	0.13	9.192	218.8	0.04	28.60	365.9	0.08
72	16.0	19.41	147.1	0.13	9.241	218.8	0.04	28.65	365.9	0.08
74	111	36.12	147.1	0.25	1.206	222.0	0.01	37.14	365.9	0.10
74	16.0	36.12	147.1	0.25	1.214	222.0	0.01	37.15	365.9	0.10
76	111	12.54	147.1	0.09	3.057	218.8	0.01	15.59	365.9	0.04
76	16.0	12.54	147.1	0.09	3.037	218.8	0.01	15.57	365.9	0.04
78A	111	7.645	147.1	0.05	17.60	218.8	0.08	25.24	365.9	0.07
78A	16.0	7.661	147.1	0.05	44.21	218.8	0.20	51.87	365.9	0.14
78B	80.0	8.352	147.1	0.06	46.04	218.8	0.21	54.40	365.9	0.15
78B	16.0	7.508	147.1	0.05	18.40	218.8	0.08	25.91	365.9	0.07
80	111	9.814	147.1	0.07	10.59	218.8	0.05	20.40	365.9	0.06
80	16.0	9.814	147.1	0.07	10.80	218.8	0.05	20.62	365.9	0.06
82	111	30.25	147.1	0.21	6.696	218.8	0.03	36.94	365.9	0.10
82	16.0	30.25	147.1	0.21	7.140	218.8	0.03	37.39	365.9	0.10
84	111	24.92	147.1	0.17	1.444	218.8	0.01	26.36	365.9	0.07
84	16.0	24.92	147.1	0.17	1.833	218.8	0.01	26.75	365.9	0.07
86	111	26.35	147.1	0.18	1.738	218.8	0.01	28.08	365.9	0.08
86	16.0	26.35	147.1	0.18	2.142	218.8	0.01	28.49	365.9	0.08
88	111	25.96	147.1	0.18	1.760	218.8	0.01	27.72	365.9	0.08
88	16.0	25.96	147.1	0.18	2.160	218.8	0.01	28.12	365.9	0.08
90	111	26.07	147.1	0.18	2.160	218.8	0.01	28.23	365.9	0.08
90	16.0	26.07	147.1	0.18	2.560	218.8	0.01	28.63	365.9	0.08
92	111	26.04	147.1	0.18	2.538	218.8	0.01	28.58	365.9	0.08
92	16.0	26.04	147.1	0.18	2.937	218.8	0.01	28.98	365.9	0.08
94	111	26.04	147.1	0.18	2.934	218.8	0.01	28.98	365.9	0.08
94	16.0	26.04	147.1	0.18	3.333	218.8	0.02	29.38	365.9	0.08
96	111	26.05	147.1	0.18	3.339	218.8	0.02	29.39	365.9	0.08
96	16.0	26.05	147.1	0.18	3.107	218.8	0.01	29.16	365.9	0.08
98	111	26.02	147.1	0.18	3.127	218.8	0.01	29.15	365.9	0.08
98	16.0	26.02	147.1	0.18	2.726	218.8	0.01	28.75	365.9	0.08
100	111	26.12	147.1	0.18	2.912	218.8	0.01	29.03	365.9	0.08
100	16.0	26.12	147.1	0.18	2.510	218.8	0.01	28.63	365.9	0.08
102	111	25.77	147.1	0.18	3.807	218.8	0.02	29.57	365.9	0.08
102	16.0	25.77	147.1	0.18	3.409	218.8	0.02	29.18	365.9	0.08
104	111	27.08	147.1	0.18	8.208	218.8	0.04	35.28	365.9	0.10
104	16.0	27.08	147.1	0.18	8.002	218.8	0.04	35.08	365.9	0.10
106	111	22.19	147.1	0.15	16.86	218.8	0.08	39.05	365.9	0.11

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	22.19	147.1	0.15	16.60	218.8	0.08	38.79	365.9	0.11
108	111	7.247	147.1	0.05	28.24	218.8	0.13	35.48	365.9	0.10
108	16.0	7.247	147.1	0.05	28.20	218.8	0.13	35.44	365.9	0.10
110A	111	6.255	147.1	0.04	52.32	218.8	0.24	58.58	365.9	0.16
110A	16.0	6.276	147.1	0.04	130.3	218.8	0.60	136.6	365.9	0.37
110B	80.0	6.499	147.1	0.04	129.8	218.8	0.59	136.3	365.9	0.37
110B	16.0	6.409	147.1	0.04	52.07	218.8	0.24	58.48	365.9	0.16
112	111	20.13	147.1	0.14	17.37	218.8	0.08	37.50	365.9	0.10
112	16.0	20.13	147.1	0.14	17.45	218.8	0.08	37.59	365.9	0.10
114	111	27.67	147.1	0.19	22.16	218.8	0.10	49.83	365.9	0.14
114	16.0	27.67	147.1	0.19	22.52	218.8	0.10	50.19	365.9	0.14
116	111	25.46	147.1	0.17	4.543	218.8	0.02	30.01	365.9	0.08
116	16.0	25.46	147.1	0.17	4.939	218.8	0.02	30.40	365.9	0.08
118	111	26.77	147.1	0.18	2.742	218.8	0.01	29.51	365.9	0.08
118	16.0	26.77	147.1	0.18	3.057	218.8	0.01	29.82	365.9	0.08
120	111	23.75	147.1	0.16	2.311	218.8	0.01	26.07	365.9	0.07
120	16.0	23.75	147.1	0.16	1.948	218.8	0.01	25.70	365.9	0.07
122	111	34.51	147.1	0.23	2.782	218.8	0.01	37.30	365.9	0.10
122	16.0	34.51	147.1	0.23	2.309	218.8	0.01	36.82	365.9	0.10
124	111	30.41	147.1	0.21	1.889	218.8	0.01	32.30	365.9	0.09
124	16.0	30.41	147.1	0.21	1.699	222.0	0.01	31.91	365.9	0.09
126A	111	12.41	147.1	0.08	11.67	218.8	0.05	24.09	365.9	0.07
126A	16.0	16.09	147.1	0.11	27.85	218.8	0.13	43.94	365.9	0.12
126B	80.0	15.86	147.1	0.11	27.89	218.8	0.13	43.75	365.9	0.12
126B	16.0	12.30	147.1	0.08	11.69	218.8	0.05	23.99	365.9	0.07
128	111	10.32	147.1	0.07	2.685	218.8	0.01	13.01	365.9	0.04
128	16.0	10.32	147.1	0.07	2.535	218.8	0.01	12.86	365.9	0.04
130	111	18.79	147.1	0.13	5.545	218.8	0.03	24.34	365.9	0.07
130	16.0	18.79	147.1	0.13	5.224	218.8	0.02	24.02	365.9	0.07
132	111	18.24	147.1	0.12	3.991	218.8	0.02	22.23	365.9	0.06
132	16.0	18.24	147.1	0.12	3.844	218.8	0.02	22.08	365.9	0.06
134A	111	8.544	147.1	0.06	23.32	218.8	0.11	31.87	365.9	0.09
134A	16.0	9.840	147.1	0.07	58.43	218.8	0.27	68.27	365.9	0.19
134B	80.0	8.308	147.1	0.06	56.07	218.8	0.26	64.38	365.9	0.18
134B	16.0	8.178	147.1	0.06	22.29	218.8	0.10	30.46	365.9	0.08
136	111	21.31	147.1	0.14	8.559	218.8	0.04	29.87	365.9	0.08
136	16.0	21.31	147.1	0.14	8.478	218.8	0.04	29.79	365.9	0.08
138A	111	8.093	147.1	0.06	13.65	218.8	0.06	21.74	365.9	0.06
138A	16.0	8.103	147.1	0.06	34.38	218.8	0.16	42.48	365.9	0.12
138B	80.0	8.776	147.1	0.06	34.02	218.8	0.16	42.80	365.9	0.12
138B	16.0	7.775	147.1	0.05	13.49	218.8	0.06	21.27	365.9	0.06
140	111	21.71	147.1	0.15	11.48	218.8	0.05	33.19	365.9	0.09
140	16.0	21.71	147.1	0.15	11.56	218.8	0.05	33.27	365.9	0.09
142A	111	7.845	147.1	0.05	30.30	218.8	0.14	38.14	365.9	0.10
142A	16.0	8.887	147.1	0.06	76.30	218.8	0.35	85.19	365.9	0.23
142B	80.0	8.263	147.1	0.06	77.28	218.8	0.35	85.55	365.9	0.23
142B	16.0	8.201	147.1	0.06	30.73	218.8	0.14	38.93	365.9	0.11
144	111	20.97	147.1	0.14	7.596	218.8	0.03	28.56	365.9	0.08

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	20.97	147.1	0.14	7.626	218.8	0.03	28.59	365.9	0.08
146A	111	8.231	147.1	0.06	36.31	218.8	0.17	44.55	365.9	0.12
146A	16.0	8.336	147.1	0.06	91.34	218.8	0.42	99.68	365.9	0.27
146B	80.0	9.895	147.1	0.07	93.99	218.8	0.43	103.9	365.9	0.28
146B	16.0	8.566	147.1	0.06	37.48	218.8	0.17	46.04	365.9	0.13
148	111	18.82	147.1	0.13	2.940	222.0	0.01	21.76	369.1	0.06
148	16.0	18.82	147.1	0.13	3.094	222.0	0.01	21.91	369.1	0.06
150	111	15.56	147.1	0.11	1.141	218.8	0.01	16.70	365.9	0.05
150	16.0	15.56	147.1	0.11	1.418	218.8	0.01	16.97	365.9	0.05
152	111	22.58	147.1	0.15	1.031	218.8	0.00	23.61	365.9	0.06
152	16.0	22.58	147.1	0.15	1.390	218.8	0.01	23.97	365.9	0.07
154	111	26.33	147.1	0.18	2.666	218.8	0.01	29.00	365.9	0.08
154	16.0	26.33	147.1	0.18	3.069	218.8	0.01	29.40	365.9	0.08
156	111	28.44	147.1	0.19	2.625	218.8	0.01	31.06	365.9	0.08
156	16.0	28.44	147.1	0.19	3.046	218.8	0.01	31.49	365.9	0.09
158	111	19.45	147.1	0.13	9.038	218.8	0.04	28.49	365.9	0.08
158	16.0	19.45	147.1	0.13	9.332	218.8	0.04	28.79	365.9	0.08
160A	111	12.38	147.1	0.08	12.32	218.8	0.06	24.70	365.9	0.07
160A	16.0	16.00	147.1	0.11	27.30	218.8	0.12	43.29	365.9	0.12
160B	80.0	16.06	147.1	0.11	27.34	218.8	0.12	43.40	365.9	0.12
160B	16.0	12.38	147.1	0.08	12.34	218.8	0.06	24.73	365.9	0.07
162	111	20.27	147.1	0.14	7.286	218.8	0.03	27.56	365.9	0.08
162	16.0	20.27	147.1	0.14	7.580	218.8	0.03	27.85	365.9	0.08
164	111	30.38	147.1	0.21	4.641	218.8	0.02	35.02	365.9	0.10
164	16.0	30.38	147.1	0.21	5.083	218.8	0.02	35.46	365.9	0.10
166	111	27.67	147.1	0.19	3.465	218.8	0.02	31.14	365.9	0.09
166	16.0	27.67	147.1	0.19	3.882	218.8	0.02	31.56	365.9	0.09
168	111	28.40	147.1	0.19	3.716	218.8	0.02	32.11	365.9	0.09
168	16.0	28.40	147.1	0.19	4.139	218.8	0.02	32.54	365.9	0.09
170	111	28.21	147.1	0.19	4.090	218.8	0.02	32.30	365.9	0.09
170	16.0	28.21	147.1	0.19	4.512	218.8	0.02	32.72	365.9	0.09
172	111	28.25	147.1	0.19	4.510	218.8	0.02	32.76	365.9	0.09
172	16.0	28.25	147.1	0.19	4.932	218.8	0.02	33.18	365.9	0.09
174	111	28.26	147.1	0.19	4.960	218.8	0.02	33.22	365.9	0.09
174	16.0	28.26	147.1	0.19	5.277	218.8	0.02	33.53	365.9	0.09
176	111	28.20	147.1	0.19	5.378	218.8	0.02	33.58	365.9	0.09
176	16.0	28.20	147.1	0.19	5.204	218.8	0.02	33.40	365.9	0.09
178	111	28.42	147.1	0.19	5.744	218.8	0.03	34.17	365.9	0.09
178	16.0	28.42	147.1	0.19	5.321	218.8	0.02	33.74	365.9	0.09
180	111	27.58	147.1	0.19	7.546	218.8	0.03	35.13	365.9	0.10
180	16.0	27.58	147.1	0.19	7.130	218.8	0.03	34.71	365.9	0.09
182	111	30.73	147.1	0.21	26.97	218.8	0.12	57.69	365.9	0.16
182	16.0	30.73	147.1	0.21	26.57	218.8	0.12	57.30	365.9	0.16
184	111	18.97	147.1	0.13	27.38	218.8	0.13	46.35	365.9	0.13
184	16.0	18.97	147.1	0.13	27.31	218.8	0.12	46.28	365.9	0.13
186A	111	10.21	147.1	0.07	64.29	218.8	0.29	74.50	365.9	0.20
186A	16.0	12.61	147.1	0.09	156.6	218.8	0.72	169.2	365.9	0.46
186B	80.0	12.56	147.1	0.09	156.6	218.8	0.72	169.1	365.9	0.46

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	10.19	147.1	0.07	64.27	218.8	0.29	74.46	365.9	0.20
188	111	16.40	147.1	0.11	26.99	218.8	0.12	43.39	365.9	0.12
188	16.0	16.40	147.1	0.11	26.98	218.8	0.12	43.38	365.9	0.12
190	111	27.98	147.1	0.19	33.25	218.8	0.15	61.23	365.9	0.17
190	16.0	27.98	147.1	0.19	33.23	218.8	0.15	61.21	365.9	0.17
192	111	24.88	147.1	0.17	7.715	218.8	0.04	32.60	365.9	0.09
192	16.0	24.88	147.1	0.17	7.342	218.8	0.03	32.22	365.9	0.09
194	111	25.71	147.1	0.17	3.885	218.8	0.02	29.60	365.9	0.08
194	16.0	25.71	147.1	0.17	3.488	218.8	0.02	29.20	365.9	0.08
196	111	25.49	147.1	0.17	3.053	218.8	0.01	28.54	365.9	0.08
196	16.0	25.49	147.1	0.17	2.659	218.8	0.01	28.14	365.9	0.08
198	111	25.56	147.1	0.17	2.760	218.8	0.01	28.32	365.9	0.08
198	16.0	25.56	147.1	0.17	2.365	218.8	0.01	27.92	365.9	0.08
200	111	25.50	147.1	0.17	2.190	218.8	0.01	27.69	365.9	0.08
200	16.0	25.50	147.1	0.17	1.795	218.8	0.01	27.29	365.9	0.07
202	111	25.66	147.1	0.17	2.533	218.8	0.01	28.19	365.9	0.08
202	16.0	25.66	147.1	0.17	2.136	218.8	0.01	27.79	365.9	0.08
204	111	25.08	147.1	0.17	1.498	218.8	0.01	26.58	365.9	0.07
204	16.0	25.08	147.1	0.17	1.108	218.8	0.01	26.19	365.9	0.07
206	111	27.24	147.1	0.19	7.750	218.8	0.04	34.99	365.9	0.10
206	16.0	27.24	147.1	0.19	7.337	218.8	0.03	34.58	365.9	0.09
208	111	19.17	147.1	0.13	14.28	218.8	0.07	33.45	365.9	0.09
208	16.0	19.17	147.1	0.13	13.97	218.8	0.06	33.14	365.9	0.09
210A	111	6.836	147.1	0.05	25.54	218.8	0.12	32.37	365.9	0.09
210A	16.0	7.110	147.1	0.05	64.08	218.8	0.29	71.19	365.9	0.19
210B	80.0	7.362	147.1	0.05	62.40	218.8	0.29	69.76	365.9	0.19
210B	16.0	6.909	147.1	0.05	24.80	218.8	0.11	31.71	365.9	0.09
212	111	7.560	147.1	0.05	14.27	218.8	0.07	21.83	365.9	0.06
212	16.0	7.560	147.1	0.05	14.29	218.8	0.07	21.85	365.9	0.06
214	111	16.34	147.1	0.11	21.50	218.8	0.10	37.84	365.9	0.10
214	16.0	16.34	147.1	0.11	21.66	218.8	0.10	38.00	365.9	0.10
216	111	12.42	147.1	0.08	11.63	218.8	0.05	24.05	365.9	0.07
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	-102	-43	57	0	0.000	0.000	0.000	
Operating1	-128	-126	-102	-43	57	-26	0.000	0.000	0.000	
Operating2	88	72	-102	-43	57	2	0.000	0.000	0.000	
Maximum	88	72	-102	-43	57	2	0.000	0.000	0.000	
Minimum	-128	-126	-102	-43	57	-26	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	-55	10	-18	0	0.000	0.000	0.000	
Operating1	30	25	-55	10	-18	37	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	-41	-37	-55	10	-18	8	0.000	0.000	0.000
Maximum	30	25	-55	10	-18	37	0.000	0.000	0.000
Minimum	-41	-37	-55	10	-18	0	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	-225	0.000	0.000	0.000			
Operating1	69	39	-225	2.497	1.999	0.000			
Operating2	-68	0	-225	-0.499	-0.400	0.000			
Maximum	69	39	-225	2.497	1.999	0.000			
Minimum	-68	0	-225	-0.499	-0.400	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	-148	0.000	0.000	0.000			
Operating1	-55	109	-148	-21.622	25.426	0.000			
Operating2	46	-36	-148	4.150	-4.880	0.000			
Maximum	46	109	-148	4.150	25.426	0.000			
Minimum	-55	-36	-148	-21.622	-4.880	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	-191	0.000	0.000	0.000			
Operating1	-57	-4	-191	-17.805	20.931	0.000			
Operating2	57	-1	-191	3.388	-3.983	0.000			
Maximum	57	0	-191	3.388	20.931	0.000			
Minimum	-57	-4	-191	-17.805	-3.983	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	-194	0.000	0.000	0.000			
Operating1	-58	0	-194	-13.999	16.456	0.000			
Operating2	58	0	-194	2.636	-3.099	0.000			
Maximum	58	0	-194	2.636	16.456	0.000			
Minimum	-58	0	-194	-13.999	-3.099	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	-202	0.000	0.000	0.000			
Operating1	-61	5	-202	-10.203	11.994	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	60	1	-202	1.895	-2.228	0.000
Maximum	60	5	-202	1.895	11.994	0.000
Minimum	-61	0	-202	-10.203	-2.228	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	-202	0.000	0.000	0.000
Operating1	-61	6	-202	-4.967	7.174	0.000
Operating2	60	1	-202	0.942	-1.361	0.000
Maximum	60	6	-202	0.942	7.174	0.000
Minimum	-61	0	-202	-4.967	-1.361	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	-195	0.000	0.000	0.000
Operating1	-58	0	-195	-1.653	2.388	0.000
Operating2	58	0	-195	0.312	-0.450	0.000
Maximum	58	0	-195	0.312	2.388	0.000
Minimum	-58	0	-195	-1.653	-0.450	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	-194	0.000	0.000	0.000
Operating1	58	0	-194	1.653	-2.388	0.000
Operating2	-58	0	-194	-0.311	0.449	0.000
Maximum	58	0	-194	1.653	0.449	0.000
Minimum	-58	0	-194	-0.311	-2.388	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	-194	0.000	0.000	0.000
Operating1	58	0	-194	4.967	-7.175	0.000
Operating2	-58	0	-194	-0.939	1.357	0.000
Maximum	58	0	-194	4.967	1.357	0.000
Minimum	-58	0	-194	-0.939	-7.175	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	-194	0.000	0.000	0.000
Operating1	58	0	-194	8.291	-11.976	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	-58	0	-194	-1.577	2.278	0.000
Maximum	58	0	-194	8.291	2.278	0.000
Minimum	-58	0	-194	-1.577	-11.976	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	-194	0.000	0.000	0.000
Operating1	58	0	-194	11.624	-16.790	0.000
Operating2	-58	0	-194	-2.224	3.212	0.000
Maximum	58	0	-194	11.624	3.212	0.000
Minimum	-58	0	-194	-2.224	-16.790	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	-195	0.000	0.000	0.000
Operating1	58	1	-195	14.966	-21.617	0.000
Operating2	-58	0	-195	-2.880	4.160	0.000
Maximum	58	1	-195	14.966	4.160	0.000
Minimum	-58	0	-195	-2.880	-21.617	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	-205	0.000	0.000	0.000
Operating1	62	-14	-205	18.318	-26.459	0.000
Operating2	-61	5	-205	-3.546	5.122	0.000
Maximum	62	5	-205	18.318	5.122	0.000
Minimum	-61	-14	-205	-3.546	-26.459	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	-240	0.000	0.000	0.000
Operating1	-5	2	-240	0.000	0.000	0.000
Operating2	2	-5	-240	0.000	0.000	0.000
Maximum	2	2	-240	0.000	0.000	0.000
Minimum	-5	-5	-240	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	-215	0.000	0.000	0.000
Operating1	-65	16	-215	-13.419	15.557	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	65	-7	-215	2.478	-2.873	0.000
Maximum	65	16	-215	2.478	15.557	0.000
Minimum	-65	-7	-215	-13.419	-2.873	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	-196	0.000	0.000	0.000
Operating1	-59	-1	-196	-9.384	11.252	0.000
Operating2	59	0	-196	1.680	-2.014	0.000
Maximum	59	0	-196	1.680	11.252	0.000
Minimum	-59	-1	-196	-9.384	-2.014	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	-194	0.000	0.000	0.000
Operating1	-58	0	-194	-5.623	6.742	0.000
Operating2	58	0	-194	0.940	-1.127	0.000
Maximum	58	0	-194	0.940	6.742	0.000
Minimum	-58	0	-194	-5.623	-1.127	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	-194	0.000	0.000	0.000
Operating1	-58	0	-194	-1.872	2.244	0.000
Operating2	58	0	-194	0.211	-0.253	0.000
Maximum	58	0	-194	0.211	2.244	0.000
Minimum	-58	0	-194	-1.872	-0.253	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	-194	0.000	0.000	0.000
Operating1	58	0	-194	1.872	-2.245	0.000
Operating2	-58	0	-194	-0.512	0.614	0.000
Maximum	58	0	-194	1.872	0.614	0.000
Minimum	-58	0	-194	-0.512	-2.245	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	-193	0.000	0.000	0.000
Operating1	58	-9	-193	5.624	-6.743	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	-58	-1	-193	-1.247	1.495	0.000
Maximum	58	0	-193	5.624	1.495	0.000
Minimum	-58	-9	-193	-1.247	-6.743	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	-199	0.000	0.000	0.000
Operating1	60	6	-199	7.504	-8.997	0.000
Operating2	-60	7	-199	-1.618	1.940	0.000
Maximum	60	7	-199	7.504	1.940	0.000
Minimum	-60	0	-199	-1.618	-8.997	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	-191	0.000	0.000	0.000
Operating1	-58	-17	-191	-0.274	2.922	0.000
Operating2	57	5	-191	0.107	-1.148	0.000
Maximum	57	5	-191	0.107	2.922	0.000
Minimum	-58	-17	-191	-0.274	-1.148	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	-198	0.000	0.000	0.000
Operating1	-32	2	-198	0.000	0.000	0.000
Operating2	59	-1	-198	0.054	-0.572	0.000
Maximum	59	2	-198	0.054	0.000	0.000
Minimum	-32	-1	-198	0.000	-0.572	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	-229	0.000	0.000	0.000
Operating1	69	-2	-229	0.547	-5.843	0.000
Operating2	-69	-1	-229	-0.054	0.575	0.000
Maximum	69	0	-229	0.547	0.575	0.000
Minimum	-69	-2	-229	-0.054	-5.843	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	-155	0.000	0.000	0.000
Operating1	47	-15	-155	3.568	-11.953	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	-47	-1	-155	-0.532	1.782	0.000
Maximum	47	0	-155	3.568	1.782	0.000
Minimum	-47	-15	-155	-0.532	-11.953	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	-141	0.000	0.000	0.000
Operating1	43	-16	-141	4.200	-14.069	0.000
Operating2	-43	16	-141	-0.659	2.206	0.000
Maximum	43	16	-141	4.200	2.206	0.000
Minimum	-43	-16	-141	-0.659	-14.069	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	-146	0.000	0.000	0.000
Operating1	-46	-46	-146	-9.829	34.762	0.000
Operating2	45	30	-146	1.736	-6.141	0.000
Maximum	45	30	-146	1.736	34.762	0.000
Minimum	-46	-46	-146	-9.829	-6.141	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	-134	0.000	0.000	0.000
Operating1	-40	-3	-134	-9.701	32.497	0.000
Operating2	40	-5	-134	1.699	-5.691	0.000
Maximum	40	0	-134	1.699	32.497	0.000
Minimum	-40	-5	-134	-9.701	-5.691	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	-195	0.000	0.000	0.000
Operating1	-59	3	-195	-8.230	27.566	0.000
Operating2	59	0	-195	1.406	-4.710	0.000
Maximum	59	3	-195	1.406	27.566	0.000
Minimum	-59	0	-195	-8.230	-4.710	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	-140	0.000	0.000	0.000
Operating1	-43	-34	-140	-6.220	21.998	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	43	25	-140	1.021	-3.611	0.000
Maximum	43	25	-140	1.021	21.998	0.000
Minimum	-43	-34	-140	-6.220	-3.611	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	-214	0.000	0.000	0.000
Operating1	-64	-5	-214	-6.688	17.141	0.000
Operating2	64	2	-214	1.066	-2.731	0.000
Maximum	64	2	-214	1.066	17.141	0.000
Minimum	-64	-5	-214	-6.688	-2.731	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	-205	0.000	0.000	0.000
Operating1	-62	0	-205	-4.452	11.410	0.000
Operating2	62	0	-205	0.634	-1.626	0.000
Maximum	62	0	-205	0.634	11.410	0.000
Minimum	-62	0	-205	-4.452	-1.626	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	-205	0.000	0.000	0.000
Operating1	-61	0	-205	-2.223	5.697	0.000
Operating2	61	0	-205	0.210	-0.538	0.000
Maximum	61	0	-205	0.210	5.697	0.000
Minimum	-61	0	-205	-2.223	-0.538	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	-204	0.000	0.000	0.000
Operating1	-10	0	-204	0.000	0.000	0.000
Operating2	-61	0	-204	-0.209	0.536	0.000
Maximum	0	0	-204	0.000	0.536	0.000
Minimum	-61	0	-204	-0.209	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	-201	0.000	0.000	0.000
Operating1	61	14	-201	2.222	-5.695	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	-60	-9	-201	-0.632	1.620	0.000
Maximum	61	14	-201	2.222	1.620	0.000
Minimum	-60	-9	-201	-0.632	-5.695	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	-204	0.000	0.000	0.000
Operating1	63	-49	-204	3.905	-5.809	0.000
Operating2	57	21	-204	0.000	0.000	0.000
Maximum	63	21	-204	3.905	0.000	0.000
Minimum	0	-49	-204	0.000	-5.809	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	-192	0.000	0.000	0.000
Operating1	58	0	-192	7.121	-10.591	0.000
Operating2	-58	3	-192	-0.618	0.920	0.000
Maximum	58	3	-192	7.121	0.920	0.000
Minimum	-58	0	-192	-0.618	-10.591	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	-192	0.000	0.000	0.000
Operating1	58	0	-192	10.345	-15.387	0.000
Operating2	-58	0	-192	-1.246	1.853	0.000
Maximum	58	0	-192	10.345	1.853	0.000
Minimum	-58	0	-192	-1.246	-15.387	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	-192	0.000	0.000	0.000
Operating1	58	1	-192	13.577	-20.196	0.000
Operating2	-58	0	-192	-1.882	2.799	0.000
Maximum	58	1	-192	13.577	2.799	0.000
Minimum	-58	0	-192	-1.882	-20.196	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	-200	0.000	0.000	0.000
Operating1	60	-19	-200	16.819	-25.018	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	-60	3	-200	-2.527	3.758	0.000
Maximum	60	3	-200	16.819	3.758	0.000
Minimum	-60	-19	-200	-2.527	-25.018	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	-158	0	0.000	0.000	0.000	
Operating1	-158	47	-14.247	28.044	0.000	
Operating2	-158	47	1.996	-4.550	0.000	
Maximum	-158	47	1.996	28.044	0.000	
Minimum	-158	0	-14.247	-4.550	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	-206	0	0.000	0.000	0.000	
Operating1	-206	62	-23.178	20.225	0.000	
Operating2	-206	62	4.093	-4.152	0.000	
Maximum	-206	62	4.093	20.225	0.000	
Minimum	-206	0	-23.178	-4.152	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	-195	0	0.000	0.000	0.000	
Operating1	-195	58	-15.428	19.094	0.000	
Operating2	-195	58	3.010	-3.540	0.000	
Maximum	-195	58	3.010	19.094	0.000	
Minimum	-195	0	-15.428	-3.540	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	-192	0	0.000	0.000	0.000	
Operating1	-192	58	-12.700	13.712	0.000	
Operating2	-192	58	2.274	-2.654	0.000	
Maximum	-192	58	2.274	13.712	0.000	
Minimum	-192	0	-12.700	-2.654	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	-158	0	0.000	0.000	0.000	
Operating1	-158	47	-2.874	14.391	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	-158	47	0.367	-2.785	0.000
Maximum	-158	47	0.367	14.391	0.000
Minimum	-158	0	-2.874	-2.785	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	-158	0	0.000	0.000	0.000
Operating1	-158	47	-1.457	13.152	0.000
Operating2	-158	47	0.110	-2.618	0.000
Maximum	-158	47	0.110	13.152	0.000
Minimum	-158	0	-1.457	-2.618	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	-192	0	0.000	0.000	0.000
Operating1	-192	58	-3.567	4.601	0.000
Operating2	-192	58	0.629	-0.902	0.000
Maximum	-192	58	0.629	4.601	0.000
Minimum	-192	0	-3.567	-0.902	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	-194	0	0.000	0.000	0.000
Operating1	-194	0	0.000	0.000	0.000
Operating2	-194	0	0.000	0.000	0.000
Maximum	-194	0	0.000	0.000	0.000
Minimum	-194	0	0.000	0.000	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	-194	0	0.000	0.000	0.000
Operating1	-194	58	3.309	-4.780	0.000
Operating2	-194	58	-0.624	0.901	0.000
Maximum	-194	58	3.309	0.901	0.000
Minimum	-194	0	-0.624	-4.780	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	-194	0	0.000	0.000	0.000
Operating1	-194	58	6.627	-9.574	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	-194	58	-1.257	1.816	0.000
Maximum	-194	58	6.627	1.816	0.000
Minimum	-194	0	-1.257	-9.574	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	-194	0	0.000	0.000	0.000
Operating1	-194	58	9.969	-14.372	0.000
Operating2	-194	58	-1.899	2.743	0.000
Maximum	-194	58	9.969	2.743	0.000
Minimum	-194	0	-1.899	-14.372	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	-194	0	0.000	0.000	0.000
Operating1	-194	58	13.159	-19.295	0.000
Operating2	-194	58	-2.550	3.685	0.000
Maximum	-194	58	13.159	3.685	0.000
Minimum	-194	0	-2.550	-19.295	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	-191	0	0.000	0.000	0.000
Operating1	-191	57	17.780	-23.247	0.000
Operating2	-191	57	-3.338	4.552	0.000
Maximum	-191	57	17.780	4.552	0.000
Minimum	-191	0	-3.338	-23.247	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	-146	0	0.000	0.000	0.000
Operating1	-146	44	14.377	-32.776	0.000
Operating2	-146	44	-2.354	6.666	0.000
Maximum	-146	44	14.377	6.666	0.000
Minimum	-146	0	-2.354	-32.776	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	-156	0	0.000	0.000	0.000
Operating1	-156	47	12.727	-24.906	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	-156	47	-1.272	3.073	0.000
Maximum	-156	47	12.727	3.073	0.000
Minimum	-156	0	-1.272	-24.906	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	-132	0	0.000	0.000	0.000
Operating1	-132	40	-9.551	20.125	0.000
Operating2	-132	40	1.306	-3.124	0.000
Maximum	-132	40	1.306	20.125	0.000
Minimum	-132	0	-9.551	-3.124	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	-108	0	0.000	0.000	0.000
Operating1	-108	32	-9.898	22.492	0.000
Operating2	-108	32	1.615	-4.399	0.000
Maximum	-108	32	1.615	22.492	0.000
Minimum	-108	0	-9.898	-4.399	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	-189	0	0.000	0.000	0.000
Operating1	-189	57	-12.179	12.754	0.000
Operating2	-189	57	2.127	-2.401	0.000
Maximum	-189	57	2.127	12.754	0.000
Minimum	-189	0	-12.179	-2.401	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	-194	0	0.000	0.000	0.000
Operating1	-194	58	-7.441	9.047	0.000
Operating2	-194	58	1.310	-1.568	0.000
Maximum	-194	58	1.310	9.047	0.000
Minimum	-194	0	-7.441	-1.568	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	-194	0	0.000	0.000	0.000
Operating1	-194	58	-3.748	4.490	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	-194	58	0.575	-0.689	0.000
Maximum	-194	58	0.575	4.490	0.000
Minimum	-194	0	-3.748	-0.689	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	-194	0	0.000	0.000	0.000
Operating1	-194	0	0.000	0.000	0.000
Operating2	-194	58	-0.149	0.179	0.000
Maximum	-194	58	0.000	0.179	0.000
Minimum	-194	0	-0.149	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	-194	0	0.000	0.000	0.000
Operating1	-194	58	3.891	-4.372	0.000
Operating2	-194	58	-0.872	1.058	0.000
Maximum	-194	58	3.891	1.058	0.000
Minimum	-194	0	-0.872	-4.372	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	-173	0	0.000	0.000	0.000
Operating1	-173	52	24.861	1.651	0.000
Operating2	-173	52	-3.355	1.251	0.000
Maximum	-173	52	24.861	1.651	0.000
Minimum	-173	0	-3.355	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	-48	0	0.000	0.000	0.000
Operating1	-48	14	40.197	12.271	0.000
Operating2	-48	14	-8.543	-2.644	0.000
Maximum	-48	14	40.197	12.271	0.000
Minimum	-48	0	-8.543	-2.644	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	-163	0	0.000	0.000	0.000
Operating1	-163	49	38.671	12.475	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	-163	49	-8.123	-3.093	0.000
Maximum	-163	49	38.671	12.475	0.000
Minimum	-163	0	-8.123	-3.093	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	-202	0	0.000	0.000	0.000
Operating1	-202	61	4.817	6.350	0.000
Operating2	-202	61	-0.079	-1.750	0.000
Maximum	-202	61	4.817	6.350	0.000
Minimum	-202	0	-0.079	-1.750	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	-183	0	0.000	0.000	0.000
Operating1	-183	55	0.310	-2.916	0.000
Operating2	-183	0	0.000	0.000	0.000
Maximum	-183	55	0.310	0.000	0.000
Minimum	-183	0	0.000	-2.916	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	-200	0	0.000	0.000	0.000
Operating1	-200	60	-1.839	-9.745	0.000
Operating2	-200	60	0.257	1.333	0.000
Maximum	-200	60	0.257	1.333	0.000
Minimum	-200	0	-1.839	-9.745	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	-81	0	0.000	0.000	0.000
Operating1	-81	24	-0.743	-10.938	0.000
Operating2	-81	24	0.412	1.604	0.000
Maximum	-81	24	0.412	1.604	0.000
Minimum	-81	0	-0.743	-10.938	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	-144	0	0.000	0.000	0.000
Operating1	-144	43	6.190	-5.499	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	-144	43	-0.196	0.669	0.000
Maximum	-144	43	6.190	0.669	0.000
Minimum	-144	0	-0.196	-5.499	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	-153	0	0.000	0.000	0.000
Operating1	-153	46	6.913	7.319	0.000
Operating2	-153	0	0.000	0.000	0.000
Maximum	-153	46	6.913	7.319	0.000
Minimum	-153	0	0.000	0.000	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	-142	0	0.000	0.000	0.000
Operating1	-142	43	-1.191	24.412	0.000
Operating2	-142	43	0.977	-3.124	0.000
Maximum	-142	43	0.977	24.412	0.000
Minimum	-142	0	-1.191	-3.124	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	-174	0	0.000	0.000	0.000
Operating1	-174	52	-9.346	30.303	0.000
Operating2	-174	52	1.672	-5.240	0.000
Maximum	-174	52	1.672	30.303	0.000
Minimum	-174	0	-9.346	-5.240	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	-205	0	0.000	0.000	0.000
Operating1	-205	62	-5.127	25.427	0.000
Operating2	-205	62	0.781	-4.291	0.000
Maximum	-205	62	0.781	25.427	0.000
Minimum	-205	0	-5.127	-4.291	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	-144	0	0.000	0.000	0.000
Operating1	-144	43	-8.732	19.653	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	-144	43	2.010	-3.007	0.000
Maximum	-144	43	2.010	19.653	0.000
Minimum	-144	0	-8.732	-3.007	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	-202	0	0.000	0.000	0.000
Operating1	-202	61	-5.328	14.368	0.000
Operating2	-202	61	0.825	-2.186	0.000
Maximum	-202	61	0.825	14.368	0.000
Minimum	-202	0	-5.328	-2.186	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	-204	0	0.000	0.000	0.000
Operating1	-204	61	-3.347	8.547	0.000
Operating2	-204	61	0.421	-1.080	0.000
Maximum	-204	61	0.421	8.547	0.000
Minimum	-204	0	-3.347	-1.080	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	-205	0	0.000	0.000	0.000
Operating1	-205	61	-1.112	2.845	0.000
Operating2	-205	0	0.000	0.000	0.000
Maximum	-205	61	0.000	2.845	0.000
Minimum	-205	0	-1.112	0.000	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	-205	0	0.000	0.000	0.000
Operating1	-205	62	1.047	-2.870	0.000
Operating2	-205	62	-0.385	1.089	0.000
Maximum	-205	62	1.047	1.089	0.000
Minimum	-205	0	-0.385	-2.870	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	-216	0	0.000	0.000	0.000
Operating1	-216	65	-2.939	-10.998	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	-216	65	-0.262	2.396	0.000
Maximum	-216	65	0.000	2.396	0.000
Minimum	-216	0	-2.939	-10.998	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	-146	0	0.000	0.000	0.000
Operating1	-146	44	-33.072	-26.047	0.000
Operating2	-146	44	13.064	8.232	0.000
Maximum	-146	44	13.064	8.232	0.000
Minimum	-146	0	-33.072	-26.047	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	-131	0	0.000	0.000	0.000
Operating1	-131	39	-30.029	-25.158	0.000
Operating2	-131	39	12.756	7.906	0.000
Maximum	-131	39	12.756	7.906	0.000
Minimum	-131	0	-30.029	-25.158	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	-188	0	0.000	0.000	0.000
Operating1	-188	57	8.424	-6.241	0.000
Operating2	-188	57	-0.402	0.395	0.000
Maximum	-188	57	8.424	0.395	0.000
Minimum	-188	0	-0.402	-6.241	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	-191	0	0.000	0.000	0.000
Operating1	-191	57	8.556	-13.106	0.000
Operating2	-191	57	-0.947	1.374	0.000
Maximum	-191	57	8.556	1.374	0.000
Minimum	-191	0	-0.947	-13.106	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	-191	0	0.000	0.000	0.000
Operating1	-191	57	11.814	-17.888	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	-191	57	-1.564	2.323	0.000
Maximum	-191	57	11.814	2.323	0.000
Minimum	-191	0	-1.564	-17.888	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	-189	0	0.000	0.000	0.000
Operating1	-189	57	16.621	-21.648	0.000
Operating2	-189	57	-2.270	3.232	0.000
Maximum	-189	57	16.621	3.232	0.000
Minimum	-189	0	-2.270	-21.648	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	-155	0	0.000	0.000	0.000
Operating1	-155	46	11.886	-31.843	0.000
Operating2	-155	46	-1.722	5.003	0.000
Maximum	-155	46	11.886	5.003	0.000
Minimum	-155	0	-1.722	-31.843	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	-51	0	0.000	0.000	0.000
Operating1	-51	15	12.594	-27.932	0.000
Operating2	-51	15	-1.684	4.213	0.000
Maximum	-51	15	12.594	4.213	0.000
Minimum	-51	0	-1.684	-27.932	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	-141	0	0.000	0.000	0.000
Operating1	-141	42	2.802	-8.179	0.000
Operating2	-141	42	0.206	0.370	0.000
Maximum	-141	42	2.802	0.370	0.000
Minimum	-141	0	0.000	-8.179	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	1.872	-2.245	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	-0.512	0.614	0.000	
Maximum	0	0	1.872	0.614	0.000	
Minimum	0	0	-0.512	-2.245	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	-8.230	27.566	0.000	
Operating2	0	0	1.406	-4.710	0.000	
Maximum	0	0	1.406	27.566	0.000	
Minimum	0	0	-8.230	-4.710	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	-0.0001	0.0559	0.0000
14	0.000	0.000	0.000	0.1636	-0.0930	0.0000
16A	0.000	0.000	2.200	0.1322	-0.0416	0.0000
16B	0.000	0.000	2.238	0.1326	-0.0385	0.0000
18	0.000	0.000	0.000	0.1708	-0.0026	0.0000
20	0.000	0.000	0.000	0.0420	-0.1032	0.0000
22	0.000	0.000	0.000	0.0715	-0.0694	0.0000
24	0.000	0.000	0.000	0.0577	-0.0724	0.0000
26	0.000	0.000	0.000	0.0574	-0.0640	0.0000
28	0.000	0.000	0.000	0.0467	-0.0643	0.0000
30	0.000	0.000	0.000	0.0639	-0.0410	0.0000
32	0.000	0.000	0.000	-0.0200	-0.1037	0.0000
34	0.000	0.000	0.541	0.0389	-0.0506	0.0000
36	0.000	0.000	0.000	0.1028	-0.0037	0.0000
38	0.000	0.000	0.000	0.0133	-0.0580	0.0000
40	0.000	0.000	0.000	0.0328	-0.0369	0.0000
42	0.000	0.000	0.000	0.0230	-0.0361	0.0000
44	0.000	0.000	0.000	0.0211	-0.0298	0.0000
46	0.000	0.000	0.000	0.0171	-0.0249	0.0000
48	0.000	0.000	0.000	0.0137	-0.0197	0.0000
50	0.000	0.000	0.000	0.0101	-0.0145	0.0000
52	0.000	0.000	0.000	0.0065	-0.0094	0.0000
54	0.000	0.000	0.000	0.0029	-0.0042	0.0000
56	0.000	0.000	0.000	-0.0007	0.0009	0.0000
58	0.000	0.000	0.000	-0.0041	0.0062	0.0000
60	0.000	0.000	0.000	-0.0083	0.0109	0.0000
62	0.000	0.000	0.000	-0.0095	0.0176	0.0000
64	0.000	0.000	0.000	-0.0216	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	0.0066	0.0441	0.0000
68	0.000	0.000	0.000	-0.1158	-0.0331	0.0000
70A	0.000	0.000	1.361	-0.0568	0.0101	0.0000
70B	0.000	0.000	1.355	-0.0525	0.0182	0.0000
72	0.000	0.000	0.000	-0.0671	0.0960	0.0000
74	0.000	0.000	0.000	0.0723	0.0852	0.0000
76	0.000	0.000	0.000	0.3145	-0.0800	0.0000
78A	0.000	0.000	2.779	0.3170	-0.0511	0.0000
78B	0.000	0.000	2.781	0.3205	-0.0440	0.0000
80	0.000	0.000	0.000	0.3348	-0.0341	0.0000
82	0.000	0.000	0.000	0.1195	-0.2364	0.0000
84	0.000	0.000	0.000	0.1691	-0.1779	0.0000
86	0.000	0.000	0.000	0.1452	-0.1807	0.0000
88	0.000	0.000	0.000	0.1409	-0.1672	0.0000
90	0.000	0.000	0.000	0.1314	-0.1580	0.0000
92	0.000	0.000	0.000	0.1233	-0.1477	0.0000
94	0.000	0.000	0.000	0.1148	-0.1377	0.0000
96	0.000	0.000	0.000	0.1064	-0.1275	0.0000
98	0.000	0.000	0.000	0.0978	-0.1177	0.0000
100	0.000	0.000	0.000	0.0904	-0.1067	0.0000
102	0.000	0.000	0.000	0.0781	-0.0998	0.0000
104	0.000	0.000	0.000	0.0840	-0.0778	0.0000
106	0.000	0.000	0.000	0.0224	-0.1121	0.0000
108	0.000	0.000	0.000	0.0395	-0.0882	0.0000
110A	0.000	0.000	0.566	0.0244	-0.0971	0.0000
110B	0.000	0.000	0.574	0.0248	-0.0968	0.0000
112	0.000	0.000	0.000	0.0920	-0.0863	0.0000
114	0.000	0.000	0.000	-0.0146	-0.0775	0.0000
116	0.000	0.000	0.000	0.0090	-0.0566	0.0000
118	0.000	0.000	0.000	0.0106	-0.0377	0.0000
120	0.000	0.000	0.000	-0.0297	-0.0228	0.0000
122	0.000	0.000	0.000	0.1194	0.0099	0.0000
124	0.000	0.000	0.000	-0.1629	0.0070	0.0000
126A	0.000	0.000	0.964	0.0134	0.0291	0.0000
126B	0.000	0.000	0.959	0.0202	0.0304	0.0000
128	0.000	0.000	0.000	0.0709	0.0304	0.0000
130	0.000	0.000	0.000	-0.0136	-0.0394	0.0000
132	0.000	0.000	0.000	0.0419	-0.0675	0.0000
134A	0.000	0.000	-1.782	0.0733	-0.0838	0.0000
134B	0.000	0.000	-1.717	0.0635	-0.0956	0.0000
136	0.000	0.000	0.000	0.0072	-0.0306	0.0000
138A	0.000	0.000	-1.090	-0.0697	0.0279	0.0000
138B	0.000	0.000	-1.070	-0.0775	0.0210	0.0000
140	0.000	0.000	0.000	-0.0054	0.0438	0.0000
142A	0.000	0.000	-1.343	0.0662	0.0665	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	-1.370	0.0547	0.0694	0.0000
144	0.000	0.000	0.000	0.0163	-0.0148	0.0000
146A	0.000	0.000	-1.442	0.0010	-0.0981	0.0000
146B	0.000	0.000	-1.501	-0.0138	-0.0935	0.0000
148	0.000	0.000	0.000	0.0099	-0.0628	0.0000
150	0.000	0.000	0.000	-0.0020	-0.0338	0.0000
152	0.000	0.000	0.000	0.0526	0.0151	0.0000
154	0.000	0.000	0.000	-0.0347	0.0326	0.0000
156	0.000	0.000	0.000	0.0158	0.0912	0.0000
158	0.000	0.000	0.000	-0.1513	0.1105	0.0000
160A	0.000	0.000	0.969	-0.0545	0.1540	0.0000
160B	0.000	0.000	0.968	-0.0514	0.1552	0.0000
162	0.000	0.000	0.000	0.0495	0.2009	0.0000
164	0.000	0.000	0.000	-0.1003	0.1692	0.0000
166	0.000	0.000	0.000	-0.0717	0.2072	0.0000
168	0.000	0.000	0.000	-0.0908	0.2265	0.0000
170	0.000	0.000	0.000	-0.0972	0.2509	0.0000
172	0.000	0.000	0.000	-0.1071	0.2738	0.0000
174	0.000	0.000	0.000	-0.1157	0.2972	0.0000
176	0.000	0.000	0.000	-0.1257	0.3202	0.0000
178	0.000	0.000	0.000	-0.1316	0.3446	0.0000
180	0.000	0.000	0.000	-0.1524	0.3633	0.0000
182	0.000	0.000	0.000	-0.1177	0.4037	0.0000
184	0.000	0.000	0.000	-0.2904	0.3631	0.0000
186A	0.000	0.000	1.473	-0.2095	0.4010	0.0000
186B	0.000	0.000	1.472	-0.2052	0.4033	0.0000
188	0.000	0.000	0.000	-0.1397	0.4370	0.0000
190	0.000	0.000	0.000	-0.2552	0.3182	0.0000
192	0.000	0.000	0.000	-0.2001	0.3141	0.0000
194	0.000	0.000	0.000	-0.1907	0.2793	0.0000
196	0.000	0.000	0.000	-0.1691	0.2527	0.0000
198	0.000	0.000	0.000	-0.1506	0.2240	0.0000
200	0.000	0.000	0.000	-0.1319	0.1955	0.0000
202	0.000	0.000	0.000	-0.1111	0.1683	0.0000
204	0.000	0.000	0.000	-0.0988	0.1355	0.0000
206	0.000	0.000	0.000	-0.0547	0.1241	0.0000
208	0.000	0.000	0.000	-0.1294	0.0327	0.0000
210A	0.000	0.000	0.718	-0.0696	0.0631	0.0000
210B	0.000	0.000	0.654	-0.0677	0.0614	0.0000
212	0.000	0.000	0.000	-0.0618	0.0559	0.0000
214	0.000	0.000	0.000	0.0000	-0.0233	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	2.497	1.999	0.000	-0.0001	0.0559	0.2183
14	-14.247	28.044	0.000	0.1636	-0.0930	0.3446
16A	-16.172	31.565	2.200	0.1322	-0.0416	0.0961
16B	-16.168	31.515	2.238	0.1326	-0.0385	-0.1661
18	-21.622	25.426	0.000	0.1708	-0.0026	-0.3129
20	-23.178	20.225	0.000	0.0420	-0.1032	0.0681
22	-17.805	20.931	0.000	0.0715	-0.0694	0.0404
24	-15.428	19.094	0.000	0.0577	-0.0724	-0.0076
26	-13.999	16.456	0.000	0.0574	-0.0640	-0.0102
28	-12.700	13.712	0.000	0.0467	-0.0643	-0.0124
30	-10.203	11.994	0.000	0.0639	-0.0410	0.0596
32	-2.874	14.391	0.000	-0.0200	-0.1037	0.1143
34	-0.813	14.822	0.541	0.0389	-0.0506	0.0079
36	-1.457	13.152	0.000	0.1028	-0.0037	-0.0997
38	-4.967	7.174	0.000	0.0133	-0.0580	-0.0490
40	-3.567	4.601	0.000	0.0328	-0.0369	0.0122
42	-1.653	2.388	0.000	0.0230	-0.0361	0.0004
44	0.000	0.000	0.000	0.0211	-0.0298	-0.0001
46	1.653	-2.388	0.000	0.0171	-0.0249	0.0000
48	3.309	-4.780	0.000	0.0137	-0.0197	0.0000
50	4.967	-7.175	0.000	0.0101	-0.0145	0.0000
52	6.627	-9.574	0.000	0.0065	-0.0094	0.0000
54	8.291	-11.976	0.000	0.0029	-0.0042	0.0001
56	9.969	-14.372	0.000	-0.0007	0.0009	0.0003
58	11.624	-16.790	0.000	-0.0041	0.0062	-0.0013
60	13.159	-19.295	0.000	-0.0083	0.0109	-0.0027
62	14.966	-21.617	0.000	-0.0095	0.0176	0.0122
64	17.780	-23.247	0.000	-0.0216	0.0169	0.0206
66	18.318	-26.459	0.000	0.0066	0.0441	-0.0948
68	14.377	-32.776	0.000	-0.1158	-0.0331	0.0053
70A	16.376	-32.477	1.361	-0.0568	0.0101	0.1842
70B	16.475	-32.141	1.355	-0.0525	0.0182	0.3149
72	12.727	-24.906	0.000	-0.0671	0.0960	0.4121
74	0.000	0.000	0.000	0.0723	0.0852	0.3351
76	-9.551	20.125	0.000	0.3145	-0.0800	0.2323
78A	-10.529	22.546	2.779	0.3170	-0.0511	0.1678
78B	-10.468	22.698	2.781	0.3205	-0.0440	0.0713
80	-9.898	22.492	0.000	0.3348	-0.0341	-0.0154
82	-13.419	15.557	0.000	0.1195	-0.2364	-0.0884
84	-12.179	12.754	0.000	0.1691	-0.1779	0.0237
86	-9.384	11.252	0.000	0.1452	-0.1807	0.0081
88	-7.441	9.047	0.000	0.1409	-0.1672	-0.0019
90	-5.623	6.742	0.000	0.1314	-0.1580	-0.0004
92	-3.748	4.490	0.000	0.1233	-0.1477	0.0001

Displacements: Operating (W+P1+T1)						
Node	Displacements (global)					
	X (mm)	Y (mm)	Z (mm)	XX (deg)	YY (deg)	ZZ (deg)
94	-1.872	2.244	0.000	0.1148	-0.1377	0.0000
96	0.000	0.000	0.000	0.1064	-0.1275	0.0000
98	1.872	-2.245	0.000	0.0978	-0.1177	0.0002
100	3.891	-4.372	0.000	0.0904	-0.1067	0.0073
102	5.624	-6.743	0.000	0.0781	-0.0998	-0.0295
104	7.504	-8.997	0.000	0.0840	-0.0778	0.1027
106	24.861	1.651	0.000	0.0224	-0.1121	0.4848
108	40.197	12.271	0.000	0.0395	-0.0882	0.3177
110A	42.763	13.550	0.566	0.0244	-0.0971	0.0095
110B	42.744	13.520	0.574	0.0248	-0.0968	-0.1066
112	38.671	12.475	0.000	0.0920	-0.0863	-0.3842
114	4.817	6.350	0.000	-0.0146	-0.0775	-0.3371
116	-0.274	2.922	0.000	0.0090	-0.0566	0.0284
118	0.000	0.000	0.000	0.0106	-0.0377	-0.0083
120	0.310	-2.916	0.000	-0.0297	-0.0228	0.0064
122	0.547	-5.843	0.000	0.1194	0.0099	-0.0173
124	-1.839	-9.745	0.000	-0.1629	0.0070	-0.0267
126A	-1.944	-10.516	0.964	0.0134	0.0291	0.0200
126B	-1.937	-10.524	0.959	0.0202	0.0304	0.0273
128	-0.743	-10.938	0.000	0.0709	0.0304	0.0789
130	3.568	-11.953	0.000	-0.0136	-0.0394	0.0309
132	4.200	-14.069	0.000	0.0419	-0.0675	0.0182
134A	7.536	-14.401	-1.782	0.0733	-0.0838	0.2347
134B	7.769	-14.040	-1.717	0.0635	-0.0956	0.3763
136	6.190	-5.499	0.000	0.0072	-0.0306	0.4721
138A	3.954	7.137	-1.090	-0.0697	0.0279	0.3171
138B	4.170	7.445	-1.070	-0.0775	0.0210	0.2134
140	6.913	7.319	0.000	-0.0054	0.0438	0.0430
142A	5.739	6.086	-1.343	0.0662	0.0665	-0.2187
142B	5.332	6.294	-1.370	0.0547	0.0694	-0.4319
144	-1.191	24.412	0.000	0.0163	-0.0148	-0.7267
146A	-5.581	36.829	-1.442	0.0010	-0.0981	-0.5635
146B	-6.140	37.125	-1.501	-0.0138	-0.0935	-0.3354
148	-9.829	34.762	0.000	0.0099	-0.0628	-0.0317
150	-9.701	32.497	0.000	-0.0020	-0.0338	-0.0021
152	-9.346	30.303	0.000	0.0526	0.0151	-0.0065
154	-8.230	27.566	0.000	-0.0347	0.0326	0.0237
156	-5.127	25.427	0.000	0.0158	0.0912	0.0255
158	-6.220	21.998	0.000	-0.1513	0.1105	-0.1071
160A	-7.916	20.759	0.969	-0.0545	0.1540	-0.0991
160B	-7.923	20.753	0.968	-0.0514	0.1552	-0.0963
162	-8.732	19.653	0.000	0.0495	0.2009	-0.0399
164	-6.688	17.141	0.000	-0.1003	0.1692	0.0241
166	-5.328	14.368	0.000	-0.0717	0.2072	-0.0057
168	-4.452	11.410	0.000	-0.0908	0.2265	-0.0014

Displacements: Operating (W+P1+T1)						
Node	Displacements (global)					
	X (mm)	Y (mm)	Z (mm)	XX (deg)	YY (deg)	ZZ (deg)
170	-3.347	8.547	0.000	-0.0972	0.2509	0.0003
172	-2.223	5.697	0.000	-0.1071	0.2738	0.0000
174	-1.112	2.845	0.000	-0.1157	0.2972	-0.0002
176	0.000	0.000	0.000	-0.1257	0.3202	0.0006
178	1.047	-2.870	0.000	-0.1316	0.3446	-0.0051
180	2.222	-5.695	0.000	-0.1524	0.3633	0.0197
182	-2.939	-10.998	0.000	-0.1177	0.4037	-0.3460
184	-33.072	-26.047	0.000	-0.2904	0.3631	-0.2783
186A	-34.860	-27.521	1.473	-0.2095	0.4010	0.0673
186B	-34.838	-27.520	1.472	-0.2052	0.4033	0.1135
188	-30.029	-25.158	0.000	-0.1397	0.4370	0.4543
190	3.905	-5.809	0.000	-0.2552	0.3182	0.3705
192	8.424	-6.241	0.000	-0.2001	0.3141	-0.0876
194	7.121	-10.591	0.000	-0.1907	0.2793	-0.0198
196	8.556	-13.106	0.000	-0.1691	0.2527	0.0049
198	10.345	-15.387	0.000	-0.1506	0.2240	0.0001
200	11.814	-17.888	0.000	-0.1319	0.1955	-0.0038
202	13.577	-20.196	0.000	-0.1111	0.1683	0.0150
204	16.621	-21.648	0.000	-0.0988	0.1355	0.0262
206	16.819	-25.018	0.000	-0.0547	0.1241	-0.1198
208	11.886	-31.843	0.000	-0.1294	0.0327	0.0345
210A	13.905	-31.327	0.718	-0.0696	0.0631	0.2180
210B	14.021	-30.932	0.654	-0.0677	0.0614	0.3789
212	12.594	-27.932	0.000	-0.0618	0.0559	0.4641
214	2.802	-8.179	0.000	0.0000	-0.0233	0.4111
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	-0.499	-0.400	0.000	-0.0001	0.0551	-0.0172
14	1.996	-4.550	0.000	0.1614	-0.0917	-0.1211
16A	3.036	-6.074	2.171	0.1304	-0.0411	-0.0767
16B	3.036	-6.120	2.208	0.1308	-0.0380	0.0116
18	4.150	-4.880	0.000	0.1685	-0.0026	0.0694
20	4.093	-4.152	0.000	0.0414	-0.1018	-0.0172
22	3.388	-3.983	0.000	0.0705	-0.0685	-0.0003
24	3.010	-3.540	0.000	0.0570	-0.0714	0.0001
26	2.636	-3.099	0.000	0.0566	-0.0631	0.0000
28	2.274	-2.654	0.000	0.0461	-0.0635	0.0007
30	1.895	-2.228	0.000	0.0631	-0.0405	-0.0029
32	0.367	-2.785	0.000	-0.0197	-0.1023	-0.0553
34	-0.552	-3.312	0.534	0.0384	-0.0499	-0.0023
36	0.110	-2.618	0.000	0.1014	-0.0037	0.0517

Displacements: Operating (W+P2+T2)						
Node	Displacements (global)					
	X (mm)	Y (mm)	Z (mm)	XX (deg)	YY (deg)	ZZ (deg)
38	0.942	-1.361	0.000	0.0132	-0.0572	0.0023
40	0.629	-0.902	0.000	0.0323	-0.0364	-0.0006
42	0.312	-0.450	0.000	0.0227	-0.0356	0.0001
44	0.000	0.000	0.000	0.0208	-0.0294	0.0000
46	-0.311	0.449	0.000	0.0169	-0.0246	0.0000
48	-0.624	0.901	0.000	0.0135	-0.0194	0.0000
50	-0.939	1.357	0.000	0.0099	-0.0143	0.0000
52	-1.257	1.816	0.000	0.0064	-0.0093	0.0000
54	-1.577	2.278	0.000	0.0029	-0.0042	0.0000
56	-1.899	2.743	0.000	-0.0007	0.0009	0.0000
58	-2.224	3.212	0.000	-0.0040	0.0061	0.0000
60	-2.550	3.685	0.000	-0.0082	0.0108	0.0000
62	-2.880	4.160	0.000	-0.0094	0.0174	-0.0002
64	-3.338	4.552	0.000	-0.0213	0.0167	-0.0060
66	-3.546	5.122	0.000	0.0065	0.0435	0.0242
68	-2.354	6.666	0.000	-0.1143	-0.0326	-0.0045
70A	-3.107	6.363	1.342	-0.0560	0.0100	-0.0843
70B	-3.139	6.200	1.337	-0.0518	0.0180	-0.1519
72	-1.272	3.073	0.000	-0.0662	0.0947	-0.1571
74	0.000	0.000	0.000	0.0713	0.0841	-0.0012
76	1.306	-3.124	0.000	0.3103	-0.0789	-0.1008
78A	1.907	-4.220	2.742	0.3127	-0.0504	-0.0884
78B	1.890	-4.306	2.744	0.3162	-0.0434	-0.0426
80	1.615	-4.399	0.000	0.3303	-0.0336	-0.0062
82	2.478	-2.873	0.000	0.1179	-0.2332	0.0211
84	2.127	-2.401	0.000	0.1669	-0.1755	-0.0061
86	1.680	-2.014	0.000	0.1432	-0.1783	0.0005
88	1.310	-1.568	0.000	0.1390	-0.1650	-0.0001
90	0.940	-1.127	0.000	0.1296	-0.1559	0.0000
92	0.575	-0.689	0.000	0.1216	-0.1457	0.0000
94	0.211	-0.253	0.000	0.1132	-0.1358	0.0000
96	-0.149	0.179	0.000	0.1050	-0.1258	0.0000
98	-0.512	0.614	0.000	0.0964	-0.1161	-0.0002
100	-0.872	1.058	0.000	0.0892	-0.1053	0.0010
102	-1.247	1.495	0.000	0.0771	-0.0985	-0.0039
104	-1.618	1.940	0.000	0.0828	-0.0768	0.0143
106	-3.355	1.251	0.000	0.0221	-0.1106	-0.1297
108	-8.543	-2.644	0.000	0.0390	-0.0871	-0.1346
110A	-9.620	-3.371	0.558	0.0241	-0.0958	-0.0134
110B	-9.615	-3.364	0.567	0.0245	-0.0955	0.0372
112	-8.123	-3.093	0.000	0.0907	-0.0851	0.1288
114	-0.079	-1.750	0.000	-0.0144	-0.0765	0.0612
116	0.107	-1.148	0.000	0.0089	-0.0558	-0.0135
118	0.054	-0.572	0.000	0.0104	-0.0372	0.0034
120	0.000	0.000	0.000	-0.0293	-0.0225	-0.0001

Displacements: Operating (W+P2+T2)						
Node	Displacements (global)					
	X (mm)	Y (mm)	Z (mm)	XX (deg)	YY (deg)	ZZ (deg)
122	-0.054	0.575	0.000	0.1178	0.0098	-0.0028
124	0.257	1.333	0.000	-0.1608	0.0069	0.0261
126A	0.654	1.521	0.951	0.0132	0.0287	0.0086
126B	0.655	1.523	0.946	0.0200	0.0300	0.0043
128	0.412	1.604	0.000	0.0700	0.0300	-0.0194
130	-0.532	1.782	0.000	-0.0134	-0.0389	-0.0123
132	-0.659	2.206	0.000	0.0414	-0.0666	0.0195
134A	-0.493	2.522	-1.758	0.0723	-0.0826	-0.0297
134B	-0.533	2.456	-1.694	0.0627	-0.0943	-0.0807
136	-0.196	0.669	0.000	0.0071	-0.0302	-0.0786
138A	-0.206	-0.260	-1.075	-0.0688	0.0275	0.0047
138B	-0.208	-0.241	-1.055	-0.0764	0.0207	0.0167
140	0.000	0.000	0.000	-0.0053	0.0432	-0.0034
142A	-0.251	0.111	-1.325	0.0654	0.0656	0.0051
142B	-0.215	0.095	-1.352	0.0540	0.0685	0.0515
144	0.977	-3.124	0.000	0.0161	-0.0146	0.1676
146A	2.031	-6.225	-1.423	0.0010	-0.0968	0.1356
146B	2.144	-6.292	-1.481	-0.0136	-0.0922	0.0498
148	1.736	-6.141	0.000	0.0098	-0.0620	-0.0277
150	1.699	-5.691	0.000	-0.0020	-0.0333	0.0101
152	1.672	-5.240	0.000	0.0519	0.0149	-0.0015
154	1.406	-4.710	0.000	-0.0343	0.0321	-0.0029
156	0.781	-4.291	0.000	0.0156	0.0900	-0.0119
158	1.021	-3.611	0.000	-0.1493	0.1090	0.0474
160A	1.810	-3.239	0.956	-0.0538	0.1520	0.0372
160B	1.813	-3.237	0.955	-0.0507	0.1531	0.0350
162	2.010	-3.007	0.000	0.0488	0.1982	0.0024
164	1.066	-2.731	0.000	-0.0989	0.1670	-0.0094
166	0.825	-2.186	0.000	-0.0707	0.2044	0.0024
168	0.634	-1.626	0.000	-0.0896	0.2235	-0.0004
170	0.421	-1.080	0.000	-0.0959	0.2475	0.0001
172	0.210	-0.538	0.000	-0.1056	0.2701	-0.0001
174	0.000	0.000	0.000	-0.1142	0.2933	0.0004
176	-0.209	0.536	0.000	-0.1240	0.3159	-0.0014
178	-0.385	1.089	0.000	-0.1299	0.3400	0.0067
180	-0.632	1.620	0.000	-0.1504	0.3585	-0.0255
182	-0.262	2.396	0.000	-0.1161	0.3983	0.1196
184	13.064	8.232	0.000	-0.2865	0.3583	0.1657
186A	14.628	8.993	1.453	-0.2067	0.3956	0.0011
186B	14.625	8.993	1.452	-0.2024	0.3979	-0.0246
188	12.756	7.906	0.000	-0.1378	0.4311	-0.1920
190	0.000	0.000	0.000	-0.2517	0.3139	-0.1247
192	-0.402	0.395	0.000	-0.1974	0.3099	0.0331
194	-0.618	0.920	0.000	-0.1882	0.2755	-0.0077
196	-0.947	1.374	0.000	-0.1669	0.2493	0.0020

Displacements: Operating (W+P2+T2)						
Node	Displacements (global)					
	X (mm)	Y (mm)	Z (mm)	XX (deg)	YY (deg)	ZZ (deg)
198	-1.246	1.853	0.000	-0.1486	0.2210	-0.0003
200	-1.564	2.323	0.000	-0.1301	0.1929	0.0000
202	-1.882	2.799	0.000	-0.1096	0.1661	0.0001
204	-2.270	3.232	0.000	-0.0975	0.1337	-0.0041
206	-2.527	3.758	0.000	-0.0539	0.1224	0.0161
208	-1.722	5.003	0.000	-0.1276	0.0323	0.0024
210A	-2.000	4.986	0.708	-0.0686	0.0622	-0.0396
210B	-2.023	4.902	0.645	-0.0668	0.0606	-0.0863
212	-1.684	4.213	0.000	-0.0610	0.0552	-0.1069
214	0.206	0.370	0.000	0.0000	-0.0230	-0.0509
216	0.000	0.000	0.000	0.0000	0.0000	0.0000