

Caepipe

přeložka HV Kralupy TV přívod

Quality Assurance Block

Caepipe

Version 10.10

Client : Digitronic CZ s.r.o.

Project : přeložka HV Kralupy

File Number : TV přívod

Report Number : 231021/4

Model Name : 4 tv přívod v1

Title : přeložka HV Kralupy TV přívod

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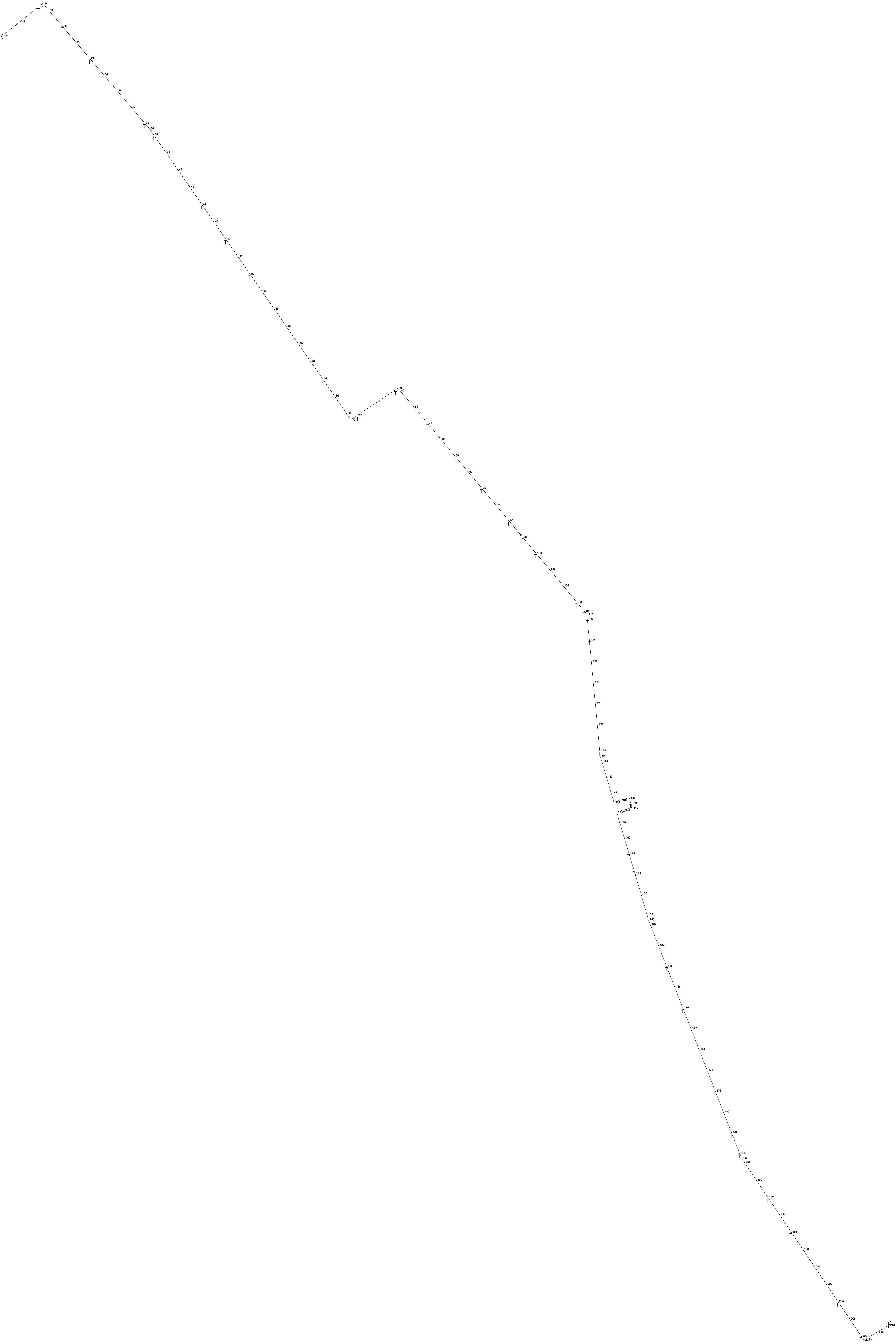


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Analysis Options									
Code	: Piping code = EN 13480 (2017) Occasional load factor (k) = 1.20 Include axial force in stress calculations								
Temperature	: Reference temperature = 10 (C) Number of thermal cycles = 7000 Number of thermal loads = 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 TV přívod								
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	862.843	-1246.5		M2	40	CIRK	
33	72		1261.85	840.225		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	439.89	292.028		M2	40	CIRK	
37	80		338.329	-405.361		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	536.328	-642.59		M2	40	CIRK	
53	112		77.8151	-833.375		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	94.6745	-1047.73		M2	40	CIRK	
61	128		302.678	-1002.29		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	582.424	-1950.92		M2	40	CIRK	
65	136		1371.46	390.622		M2	40	CIRK	Limit stop
66	138	Bend	1513.79	431.164		M2	40	CIRK	
67	140		265.004	-937.256		M2	40	CIRK	Limit stop
68	142	Bend	265.004	-937.256		M2	40	CIRK	
69	144		-1513.79	-431.164		M2	40	CIRK	Limit stop
70	146	Bend	-1371.46	-390.622		M2	40	CIRK	
71	148		553.95	-1959.19		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	9.833	218.8	0.04	37.85	365.9	0.10		
12	111	32.95	147.1	0.22	18.68	218.8	0.09	51.62	365.9	0.14		
12	16.0	32.95	147.1	0.22	18.21	218.8	0.08	51.15	365.9	0.14		
14	111	18.15	147.1	0.12	12.01	218.8	0.05	30.15	365.9	0.08		
14	16.0	18.15	147.1	0.12	11.97	218.8	0.05	30.12	365.9	0.08		
16A	111	6.638	147.1	0.05	42.11	218.8	0.19	48.75	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	6.755	147.1	0.05	105.7	218.8	0.48	112.4	365.9	0.31
16B	80.0	6.445	147.1	0.04	104.8	218.8	0.48	111.2	365.9	0.30
16B	16.0	6.297	147.1	0.04	41.74	218.8	0.19	48.04	365.9	0.13
18	111	17.07	147.1	0.12	19.38	218.8	0.09	36.45	365.9	0.10
18	16.0	17.07	147.1	0.12	19.73	218.8	0.09	36.80	365.9	0.10
20	111	28.51	147.1	0.19	1.195	218.8	0.01	29.71	365.9	0.08
20	16.0	28.51	147.1	0.19	1.405	218.8	0.01	29.92	365.9	0.08
22	111	25.39	147.1	0.17	3.081	218.8	0.01	28.47	365.9	0.08
22	16.0	25.39	147.1	0.17	3.475	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	2.016	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	28.47	365.9	0.08
30	111	27.61	147.1	0.19	5.920	218.8	0.03	33.53	365.9	0.09
30	16.0	27.61	147.1	0.19	6.336	218.8	0.03	33.95	365.9	0.09
32	111	20.17	147.1	0.14	4.404	218.8	0.02	24.58	365.9	0.07
32	16.0	20.17	147.1	0.14	4.683	218.8	0.02	24.86	365.9	0.07
34	111	6.173	147.1	0.04	23.62	218.8	0.11	29.79	365.9	0.08
34	16.0	6.173	147.1	0.04	23.62	218.8	0.11	29.79	365.9	0.08
36	111	20.17	147.1	0.14	4.444	218.8	0.02	24.62	365.9	0.07
36	16.0	20.17	147.1	0.14	4.725	218.8	0.02	24.90	365.9	0.07
38	111	27.62	147.1	0.19	6.846	218.8	0.03	34.46	365.9	0.09
38	16.0	27.62	147.1	0.19	7.263	218.8	0.03	34.88	365.9	0.10
40	111	25.62	147.1	0.17	4.646	218.8	0.02	30.27	365.9	0.08
40	16.0	25.62	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	4.964	218.8	0.02	31.12	365.9	0.09
44	111	26.01	147.1	0.18	4.953	218.8	0.02	30.97	365.9	0.08
44	16.0	26.01	147.1	0.18	5.042	218.8	0.02	31.06	365.9	0.08
46	111	26.05	147.1	0.18	5.039	218.8	0.02	31.09	365.9	0.08
46	16.0	26.05	147.1	0.18	4.638	218.8	0.02	30.69	365.9	0.08
48	111	26.04	147.1	0.18	4.638	218.8	0.02	30.68	365.9	0.08
48	16.0	26.04	147.1	0.18	4.237	218.8	0.02	30.28	365.9	0.08
50	111	26.05	147.1	0.18	4.237	218.8	0.02	30.28	365.9	0.08
50	16.0	26.05	147.1	0.18	3.837	218.8	0.02	29.88	365.9	0.08
52	111	26.04	147.1	0.18	3.837	218.8	0.02	29.88	365.9	0.08
52	16.0	26.04	147.1	0.18	3.437	218.8	0.02	29.48	365.9	0.08
54	111	26.05	147.1	0.18	3.442	218.8	0.02	29.49	365.9	0.08
54	16.0	26.05	147.1	0.18	3.042	218.8	0.01	29.09	365.9	0.08
56	111	26.04	147.1	0.18	3.038	218.8	0.01	29.08	365.9	0.08
56	16.0	26.04	147.1	0.18	2.637	218.8	0.01	28.68	365.9	0.08
58	111	26.05	147.1	0.18	2.701	218.8	0.01	28.75	365.9	0.08
58	16.0	26.05	147.1	0.18	2.301	218.8	0.01	28.35	365.9	0.08
60	111	26.03	147.1	0.18	2.245	218.8	0.01	28.28	365.9	0.08
60	16.0	26.03	147.1	0.18	1.845	218.8	0.01	27.88	365.9	0.08
62	111	26.10	147.1	0.18	2.415	218.8	0.01	28.51	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	26.10	147.1	0.18	2.014	218.8	0.01	28.11	365.9	0.08
64	111	25.85	147.1	0.18	1.460	218.8	0.01	27.31	365.9	0.07
64	16.0	25.85	147.1	0.18	1.062	218.8	0.00	26.91	365.9	0.07
66	111	26.78	147.1	0.18	6.671	218.8	0.03	33.45	365.9	0.09
66	16.0	26.78	147.1	0.18	6.263	218.8	0.03	33.04	365.9	0.09
68	111	23.30	147.1	0.16	9.910	218.8	0.05	33.21	365.9	0.09
68	16.0	23.30	147.1	0.16	9.579	218.8	0.04	32.88	365.9	0.09
70A	111	7.280	147.1	0.05	25.53	218.8	0.12	32.81	365.9	0.09
70A	16.0	7.999	147.1	0.05	64.02	218.8	0.29	72.02	365.9	0.20
70B	80.0	7.314	147.1	0.05	61.64	218.8	0.28	68.95	365.9	0.19
70B	16.0	7.309	147.1	0.05	24.48	218.8	0.11	31.79	365.9	0.09
72	111	24.08	147.1	0.16	14.55	218.8	0.07	38.63	365.9	0.11
72	16.0	24.08	147.1	0.16	14.63	218.8	0.07	38.70	365.9	0.11
74	111	35.44	147.1	0.24	4.577	218.8	0.02	40.01	365.9	0.11
74	16.0	35.44	147.1	0.24	4.558	218.8	0.02	39.99	365.9	0.11
76	111	10.48	147.1	0.07	5.630	218.8	0.03	16.11	365.9	0.04
76	16.0	10.48	147.1	0.07	5.612	218.8	0.03	16.09	365.9	0.04
78A	111	7.302	147.1	0.05	16.74	218.8	0.08	24.04	365.9	0.07
78A	16.0	7.319	147.1	0.05	42.06	218.8	0.19	49.38	365.9	0.13
78B	80.0	7.666	147.1	0.05	44.11	218.8	0.20	51.78	365.9	0.14
78B	16.0	7.081	147.1	0.05	17.64	218.8	0.08	24.72	365.9	0.07
80	111	6.999	147.1	0.05	12.75	218.8	0.06	19.75	365.9	0.05
80	16.0	6.999	147.1	0.05	12.92	218.8	0.06	19.92	365.9	0.05
82	111	30.97	147.1	0.21	7.073	218.8	0.03	38.05	365.9	0.10
82	16.0	30.97	147.1	0.21	7.525	218.8	0.03	38.50	365.9	0.11
84	111	24.72	147.1	0.17	1.447	218.8	0.01	26.17	365.9	0.07
84	16.0	24.72	147.1	0.17	1.833	218.8	0.01	26.56	365.9	0.07
86	111	26.40	147.1	0.18	1.743	218.8	0.01	28.14	365.9	0.08
86	16.0	26.40	147.1	0.18	2.147	218.8	0.01	28.54	365.9	0.08
88	111	25.95	147.1	0.18	1.740	218.8	0.01	27.69	365.9	0.08
88	16.0	25.95	147.1	0.18	2.139	218.8	0.01	28.09	365.9	0.08
90	111	26.07	147.1	0.18	2.139	218.8	0.01	28.21	365.9	0.08
90	16.0	26.07	147.1	0.18	2.539	218.8	0.01	28.61	365.9	0.08
92	111	26.04	147.1	0.18	2.515	218.8	0.01	28.55	365.9	0.08
92	16.0	26.04	147.1	0.18	2.915	218.8	0.01	28.95	365.9	0.08
94	111	26.04	147.1	0.18	2.912	218.8	0.01	28.96	365.9	0.08
94	16.0	26.04	147.1	0.18	3.312	218.8	0.02	29.36	365.9	0.08
96	111	26.05	147.1	0.18	3.318	218.8	0.02	29.37	365.9	0.08
96	16.0	26.05	147.1	0.18	3.092	218.8	0.01	29.14	365.9	0.08
98	111	26.03	147.1	0.18	3.113	218.8	0.01	29.14	365.9	0.08
98	16.0	26.03	147.1	0.18	2.713	218.8	0.01	28.74	365.9	0.08
100	111	26.11	147.1	0.18	2.906	218.8	0.01	29.02	365.9	0.08
100	16.0	26.11	147.1	0.18	2.505	218.8	0.01	28.62	365.9	0.08
102	111	25.79	147.1	0.18	3.862	218.8	0.02	29.65	365.9	0.08
102	16.0	25.79	147.1	0.18	3.464	218.8	0.02	29.25	365.9	0.08
104	111	26.99	147.1	0.18	8.523	218.8	0.04	35.51	365.9	0.10
104	16.0	26.99	147.1	0.18	8.318	218.8	0.04	35.31	365.9	0.10
106	111	22.51	147.1	0.15	16.60	218.8	0.08	39.11	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	22.51	147.1	0.15	16.34	218.8	0.07	38.85	365.9	0.11
108	111	8.861	147.1	0.06	30.46	218.8	0.14	39.32	365.9	0.11
108	16.0	8.861	147.1	0.06	30.43	218.8	0.14	39.29	365.9	0.11
110A	111	6.272	147.1	0.04	51.63	218.8	0.24	57.90	365.9	0.16
110A	16.0	6.317	147.1	0.04	128.6	218.8	0.59	134.9	365.9	0.37
110B	80.0	6.283	147.1	0.04	128.0	218.8	0.58	134.3	365.9	0.37
110B	16.0	6.251	147.1	0.04	51.35	218.8	0.23	57.61	365.9	0.16
112	111	19.32	147.1	0.13	19.35	218.8	0.09	38.67	365.9	0.11
112	16.0	19.32	147.1	0.13	19.43	218.8	0.09	38.75	365.9	0.11
114	111	27.89	147.1	0.19	22.50	218.8	0.10	50.39	365.9	0.14
114	16.0	27.89	147.1	0.19	22.86	218.8	0.10	50.74	365.9	0.14
116	111	25.40	147.1	0.17	4.477	218.8	0.02	29.88	365.9	0.08
116	16.0	25.40	147.1	0.17	4.872	218.8	0.02	30.28	365.9	0.08
118	111	26.78	147.1	0.18	2.715	218.8	0.01	29.49	365.9	0.08
118	16.0	26.78	147.1	0.18	3.045	218.8	0.01	29.82	365.9	0.08
120	111	23.77	147.1	0.16	2.309	218.8	0.01	26.08	365.9	0.07
120	16.0	23.77	147.1	0.16	1.960	218.8	0.01	25.73	365.9	0.07
122	111	34.45	147.1	0.23	2.802	218.8	0.01	37.25	365.9	0.10
122	16.0	34.45	147.1	0.23	2.330	218.8	0.01	36.78	365.9	0.10
124	111	30.64	147.1	0.21	1.980	218.8	0.01	32.62	365.9	0.09
124	16.0	30.64	147.1	0.21	1.711	222.0	0.01	32.22	365.9	0.09
126A	111	12.76	147.1	0.09	11.91	218.8	0.05	24.67	365.9	0.07
126A	16.0	16.64	147.1	0.11	28.42	218.8	0.13	45.06	365.9	0.12
126B	80.0	16.40	147.1	0.11	28.45	218.8	0.13	44.85	365.9	0.12
126B	16.0	12.65	147.1	0.09	11.92	218.8	0.05	24.58	365.9	0.07
128	111	11.36	147.1	0.08	2.425	218.8	0.01	13.79	365.9	0.04
128	16.0	11.36	147.1	0.08	2.263	218.8	0.01	13.62	365.9	0.04
130	111	17.20	147.1	0.12	5.085	218.8	0.02	22.29	365.9	0.06
130	16.0	17.20	147.1	0.12	4.787	218.8	0.02	21.99	365.9	0.06
132	111	23.67	147.1	0.16	2.290	218.8	0.01	25.96	365.9	0.07
132	16.0	23.67	147.1	0.16	2.123	218.8	0.01	25.79	365.9	0.07
134A	111	8.795	147.1	0.06	24.37	218.8	0.11	33.16	365.9	0.09
134A	16.0	10.19	147.1	0.07	61.09	218.8	0.28	71.28	365.9	0.19
134B	80.0	8.595	147.1	0.06	58.88	218.8	0.27	67.47	365.9	0.18
134B	16.0	8.409	147.1	0.06	23.40	218.8	0.11	31.81	365.9	0.09
136	111	27.68	147.1	0.19	12.99	218.8	0.06	40.67	365.9	0.11
136	16.0	27.68	147.1	0.19	12.88	218.8	0.06	40.55	365.9	0.11
138A	111	8.292	147.1	0.06	13.15	218.8	0.06	21.45	365.9	0.06
138A	16.0	8.316	147.1	0.06	33.19	218.8	0.15	41.51	365.9	0.11
138B	80.0	9.735	147.1	0.07	34.37	218.8	0.16	44.10	365.9	0.12
138B	16.0	8.382	147.1	0.06	13.64	218.8	0.06	22.03	365.9	0.06
140	111	8.826	147.1	0.06	16.31	218.8	0.07	25.14	365.9	0.07
140	16.0	8.826	147.1	0.06	16.37	218.8	0.07	25.19	365.9	0.07
142A	111	8.433	147.1	0.06	28.17	218.8	0.13	36.61	365.9	0.10
142A	16.0	9.814	147.1	0.07	71.03	218.8	0.32	80.84	365.9	0.22
142B	80.0	8.330	147.1	0.06	72.12	218.8	0.33	80.45	365.9	0.22
142B	16.0	8.330	147.1	0.06	28.65	218.8	0.13	36.98	365.9	0.10
144	111	27.31	147.1	0.19	17.26	218.8	0.08	44.57	365.9	0.12

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	27.31	147.1	0.19	17.31	218.8	0.08	44.62	365.9	0.12
146A	111	8.442	147.1	0.06	34.99	218.8	0.16	43.44	365.9	0.12
146A	16.0	8.601	147.1	0.06	88.06	218.8	0.40	96.66	365.9	0.26
146B	80.0	10.22	147.1	0.07	90.95	218.8	0.42	101.2	365.9	0.28
146B	16.0	8.803	147.1	0.06	36.27	218.8	0.17	45.07	365.9	0.12
148	111	24.24	147.1	0.16	2.714	222.0	0.01	26.76	365.9	0.07
148	16.0	24.24	147.1	0.16	2.872	218.8	0.01	27.11	365.9	0.07
150	111	14.14	147.1	0.10	1.393	218.8	0.01	15.53	365.9	0.04
150	16.0	14.14	147.1	0.10	1.651	218.8	0.01	15.79	365.9	0.04
152	111	22.91	147.1	0.16	1.094	218.8	0.01	24.00	365.9	0.07
152	16.0	22.91	147.1	0.16	1.458	218.8	0.01	24.36	365.9	0.07
154	111	26.27	147.1	0.18	2.635	218.8	0.01	28.91	365.9	0.08
154	16.0	26.27	147.1	0.18	3.038	218.8	0.01	29.31	365.9	0.08
156	111	28.36	147.1	0.19	2.640	218.8	0.01	31.00	365.9	0.08
156	16.0	28.36	147.1	0.19	3.061	218.8	0.01	31.43	365.9	0.09
158	111	19.65	147.1	0.13	9.054	218.8	0.04	28.70	365.9	0.08
158	16.0	19.65	147.1	0.13	9.349	218.8	0.04	29.00	365.9	0.08
160A	111	12.57	147.1	0.09	12.36	218.8	0.06	24.93	365.9	0.07
160A	16.0	16.28	147.1	0.11	27.40	218.8	0.13	43.68	365.9	0.12
160B	80.0	16.35	147.1	0.11	27.44	218.8	0.13	43.79	365.9	0.12
160B	16.0	12.57	147.1	0.09	12.39	218.8	0.06	24.96	365.9	0.07
162	111	20.44	147.1	0.14	7.308	218.8	0.03	27.75	365.9	0.08
162	16.0	20.44	147.1	0.14	7.602	218.8	0.03	28.04	365.9	0.08
164	111	30.34	147.1	0.21	4.657	218.8	0.02	34.99	365.9	0.10
164	16.0	30.34	147.1	0.21	5.098	218.8	0.02	35.43	365.9	0.10
166	111	27.69	147.1	0.19	3.474	218.8	0.02	31.16	365.9	0.09
166	16.0	27.69	147.1	0.19	3.890	218.8	0.02	31.58	365.9	0.09
168	111	28.40	147.1	0.19	3.724	218.8	0.02	32.12	365.9	0.09
168	16.0	28.40	147.1	0.19	4.147	218.8	0.02	32.54	365.9	0.09
170	111	28.21	147.1	0.19	4.098	218.8	0.02	32.31	365.9	0.09
170	16.0	28.21	147.1	0.19	4.520	218.8	0.02	32.73	365.9	0.09
172	111	28.25	147.1	0.19	4.518	218.8	0.02	32.77	365.9	0.09
172	16.0	28.25	147.1	0.19	4.940	218.8	0.02	33.19	365.9	0.09
174	111	28.26	147.1	0.19	4.968	218.8	0.02	33.22	365.9	0.09
174	16.0	28.26	147.1	0.19	5.282	218.8	0.02	33.54	365.9	0.09
176	111	28.20	147.1	0.19	5.383	218.8	0.02	33.58	365.9	0.09
176	16.0	28.20	147.1	0.19	5.205	218.8	0.02	33.41	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	27.59	147.1	0.19	7.544	218.8	0.03	35.14	365.9	0.10
180	16.0	27.59	147.1	0.19	7.128	218.8	0.03	34.72	365.9	0.09
182	111	30.69	147.1	0.21	26.94	218.8	0.12	57.64	365.9	0.16
182	16.0	30.69	147.1	0.21	26.55	218.8	0.12	57.24	365.9	0.16
184	111	19.11	147.1	0.13	27.35	218.8	0.12	46.46	365.9	0.13
184	16.0	19.11	147.1	0.13	27.28	218.8	0.12	46.39	365.9	0.13
186A	111	10.35	147.1	0.07	64.27	218.8	0.29	74.62	365.9	0.20
186A	16.0	12.83	147.1	0.09	156.6	218.8	0.72	169.4	365.9	0.46
186B	80.0	12.79	147.1	0.09	156.5	218.8	0.72	169.3	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	10.33	147.1	0.07	64.25	218.8	0.29	74.59	365.9	0.20
188	111	16.54	147.1	0.11	26.96	218.8	0.12	43.50	365.9	0.12
188	16.0	16.54	147.1	0.11	26.95	218.8	0.12	43.49	365.9	0.12
190	111	27.94	147.1	0.19	33.23	218.8	0.15	61.17	365.9	0.17
190	16.0	27.94	147.1	0.19	33.20	218.8	0.15	61.15	365.9	0.17
192	111	24.89	147.1	0.17	7.711	218.8	0.04	32.60	365.9	0.09
192	16.0	24.89	147.1	0.17	7.338	218.8	0.03	32.23	365.9	0.09
194	111	25.71	147.1	0.17	3.885	218.8	0.02	29.59	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	25.55	147.1	0.17	2.760	218.8	0.01	28.32	365.9	0.08
198	16.0	25.55	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	2.137	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	27.23	147.1	0.19	7.750	218.8	0.04	34.98	365.9	0.10
206	16.0	27.23	147.1	0.19	7.337	218.8	0.03	34.57	365.9	0.09
208	111	19.18	147.1	0.13	14.28	218.8	0.07	33.47	365.9	0.09
208	16.0	19.18	147.1	0.13	13.97	218.8	0.06	33.16	365.9	0.09
210A	111	6.801	147.1	0.05	25.54	218.8	0.12	32.34	365.9	0.09
210A	16.0	7.083	147.1	0.05	64.09	218.8	0.29	71.17	365.9	0.19
210B	80.0	7.284	147.1	0.05	62.41	218.8	0.29	69.69	365.9	0.19
210B	16.0	6.861	147.1	0.05	24.80	218.8	0.11	31.66	365.9	0.09
212	111	7.518	147.1	0.05	14.28	218.8	0.07	21.79	365.9	0.06
212	16.0	7.518	147.1	0.05	14.29	218.8	0.07	21.81	365.9	0.06
214	111	16.33	147.1	0.11	21.50	218.8	0.10	37.83	365.9	0.10
214	16.0	16.33	147.1	0.11	21.66	218.8	0.10	37.98	365.9	0.10
216	111	12.43	147.1	0.08	11.64	218.8	0.05	24.07	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	24	-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	24	-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	-226	0.000	0.000	0.000			
Operating1	69	39	-226	2.497	1.999	0.000			
Operating2	-68	0	-226	-0.499	-0.400	0.000			
Maximum	69	39	-226	2.497	1.999	0.000			
Minimum	-68	0	-226	-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	-3.982	0.000			
Maximum	57	0	-191	3.388	20.931	0.000			
Minimum	-57	-4	-191	-17.805	-3.982	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	61	1	-202	1.895	-2.228	0.000
Maximum	61	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	61	1	-202	0.942	-1.361	0.000
Maximum	61	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	-7.174	0.000
Operating2	-58	0	-194	-0.939	1.356	0.000
Maximum	58	0	-194	4.967	1.356	0.000
Minimum	-58	0	-194	-0.939	-7.174	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	8.290	-11.974	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	-1.576	2.277	0.000
Maximum	58	0	-194	8.290	2.277	0.000
Minimum	-58	0	-194	-1.576	-11.974	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	11.623	-16.788	0.000
Operating2	-58	0	-194	-2.223	3.211	0.000
Maximum	58	0	-194	11.623	3.211	0.000
Minimum	-58	0	-194	-2.223	-16.788	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	-194	0.000	0.000	0.000
Operating1	58	1	-194	14.964	-21.615	0.000
Operating2	-58	0	-194	-2.879	4.158	0.000
Maximum	58	1	-194	14.964	4.158	0.000
Minimum	-58	0	-194	-2.879	-21.615	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	-198	0.000	0.000	0.000
Operating1	59	-13	-198	18.316	-26.456	0.000
Operating2	-59	4	-198	-3.544	5.119	0.000
Maximum	59	4	-198	18.316	5.119	0.000
Minimum	-59	-13	-198	-3.544	-26.456	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	-237	0.000	0.000	0.000
Operating1	-3	10	-237	0.000	0.000	0.000
Operating2	-9	-10	-237	0.000	0.000	0.000
Maximum	0	10	-237	0.000	0.000	0.000
Minimum	-9	-10	-237	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	-219	0.000	0.000	0.000
Operating1	-66	18	-219	-13.420	15.558	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	66	-8	-219	2.582	-2.993	0.000
Maximum	66	18	-219	2.582	15.558	0.000
Minimum	-66	-8	-219	-13.420	-2.993	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	-9.385	11.253	0.000
Operating2	59	0	-196	1.781	-2.136	0.000
Maximum	59	0	-196	1.781	11.253	0.000
Minimum	-59	-1	-196	-9.385	-2.136	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	1.041	-1.249	0.000
Maximum	58	0	-194	1.041	6.742	0.000
Minimum	-58	0	-194	-5.623	-1.249	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	0.312	-0.374	0.000
Maximum	58	0	-194	0.312	2.244	0.000
Minimum	-58	0	-194	-1.872	-0.374	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	-0.412	0.494	0.000
Maximum	58	0	-194	1.872	0.494	0.000
Minimum	-58	0	-194	-0.412	-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	-6.744	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	-1.146	1.375	0.000
Maximum	58	0	-193	5.624	1.375	0.000
Minimum	-58	-9	-193	-1.146	-6.744	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	7	-199	7.504	-8.998	0.000
Operating2	-60	8	-199	-1.518	1.820	0.000
Maximum	60	8	-199	7.504	1.820	0.000
Minimum	-60	0	-199	-1.518	-8.998	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	0.108	-1.148	0.000
Maximum	57	5	-191	0.108	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	-37	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	-37	-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	-145	0.000	0.000	0.000
Operating1	44	-12	-145	3.571	-11.963	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	-43	-2	-145	-0.533	1.786	0.000
Maximum	44	0	-145	3.571	1.786	0.000
Minimum	-43	-12	-145	-0.533	-11.963	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	-161	0.000	0.000	0.000
Operating1	49	-20	-161	4.203	-14.079	0.000
Operating2	-48	14	-161	-0.660	2.210	0.000
Maximum	49	14	-161	4.203	2.210	0.000
Minimum	-48	-20	-161	-0.660	-14.079	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	-165	0.000	0.000	0.000
Operating1	-51	-43	-165	-9.828	34.760	0.000
Operating2	50	25	-165	1.736	-6.140	0.000
Maximum	50	25	-165	1.736	34.760	0.000
Minimum	-51	-43	-165	-9.828	-6.140	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	-125	0.000	0.000	0.000
Operating1	-37	-1	-125	-9.701	32.495	0.000
Operating2	37	-4	-125	1.699	-5.690	0.000
Maximum	37	0	-125	1.699	32.495	0.000
Minimum	-37	-4	-125	-9.701	-5.690	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	-8.229	27.565	0.000
Operating2	59	0	-195	1.406	-4.709	0.000
Maximum	59	3	-195	1.406	27.565	0.000
Minimum	-59	0	-195	-8.229	-4.709	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	-6.219	21.997	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	-3.610	0.000
Maximum	43	25	-140	1.021	21.997	0.000
Minimum	-43	-34	-140	-6.219	-3.610	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	-9	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	-203	0.000	0.000	0.000
Operating1	63	-49	-203	3.911	-5.818	0.000
Operating2	57	21	-203	0.000	0.000	0.000
Maximum	63	21	-203	3.911	0.000	0.000
Minimum	0	-49	-203	0.000	-5.818	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	7.126	-10.600	0.000
Operating2	-58	3	-192	-0.618	0.920	0.000
Maximum	58	3	-192	7.126	0.920	0.000
Minimum	-58	0	-192	-0.618	-10.600	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	10.350	-15.396	0.000
Operating2	-58	0	-192	-1.246	1.853	0.000
Maximum	58	0	-192	10.350	1.853	0.000
Minimum	-58	0	-192	-1.246	-15.396	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	13.583	-20.205	0.000
Operating2	-58	0	-192	-1.882	2.799	0.000
Maximum	58	1	-192	13.583	2.799	0.000
Minimum	-58	0	-192	-1.882	-20.205	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	16.825	-25.027	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	16.825	3.758	0.000
Minimum	-60	-19	-200	-2.527	-25.027	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	-14.246	28.043	0.000	
Operating2	-158	47	1.996	-4.550	0.000	
Maximum	-158	47	1.996	28.043	0.000	
Minimum	-158	0	-14.246	-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	-2.872	14.392	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	14.392	0.000
Minimum	-158	0	-2.872	-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	-1.455	13.153	0.000
Operating2	-158	47	0.110	-2.618	0.000
Maximum	-158	47	0.110	13.153	0.000
Minimum	-158	0	-1.455	-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	-4.779	0.000
Operating2	-194	58	-0.623	0.901	0.000
Maximum	-194	58	3.309	0.901	0.000
Minimum	-194	0	-0.623	-4.779	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	6.626	-9.573	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	-1.256	1.815	0.000
Maximum	-194	58	6.626	1.815	0.000
Minimum	-194	0	-1.256	-9.573	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	9.968	-14.371	0.000
Operating2	-194	58	-1.898	2.742	0.000
Maximum	-194	58	9.968	2.742	0.000
Minimum	-194	0	-1.898	-14.371	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	13.163	-19.289	0.000
Operating2	-194	58	-2.549	3.683	0.000
Maximum	-194	58	13.163	3.683	0.000
Minimum	-194	0	-2.549	-19.289	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	-193	0	0.000	0.000	0.000
Operating1	-193	58	17.736	-23.275	0.000
Operating2	-193	58	-3.323	4.560	0.000
Maximum	-193	58	17.736	4.560	0.000
Minimum	-193	0	-3.323	-23.275	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	-165	0	0.000	0.000	0.000
Operating1	-165	50	14.142	-32.934	0.000
Operating2	-165	50	-2.302	6.698	0.000
Maximum	-165	50	14.142	6.698	0.000
Minimum	-165	0	-2.302	-32.934	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	-171	0	0.000	0.000	0.000
Operating1	-171	51	11.604	-23.215	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	-171	51	-0.587	2.042	0.000
Maximum	-171	51	11.604	2.042	0.000
Minimum	-171	0	-0.587	-23.215	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	-125	0	0.000	0.000	0.000
Operating1	-125	38	-9.955	20.734	0.000
Operating2	-125	38	1.652	-3.645	0.000
Maximum	-125	38	1.652	20.734	0.000
Minimum	-125	0	-9.955	-3.645	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	-89	0	0.000	0.000	0.000
Operating1	-89	27	-10.030	22.380	0.000
Operating2	-89	27	1.765	-4.480	0.000
Maximum	-89	27	1.765	22.380	0.000
Minimum	-89	0	-10.030	-4.480	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	-188	0	0.000	0.000	0.000
Operating1	-188	56	-12.231	12.712	0.000
Operating2	-188	56	2.240	-2.513	0.000
Maximum	-188	56	2.240	12.712	0.000
Minimum	-188	0	-12.231	-2.513	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	-7.438	9.050	0.000
Operating2	-194	58	1.411	-1.690	0.000
Maximum	-194	58	1.411	9.050	0.000
Minimum	-194	0	-7.438	-1.690	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	0.676	-0.810	0.000
Maximum	-194	58	0.676	4.490	0.000
Minimum	-194	0	-3.748	-0.810	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	-0.048	0.058	0.000
Maximum	-194	58	0.000	0.058	0.000
Minimum	-194	0	-0.048	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	3.897	-4.367	0.000
Operating2	-194	58	-0.772	0.937	0.000
Maximum	-194	58	3.897	0.937	0.000
Minimum	-194	0	-0.772	-4.367	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	-176	0	0.000	0.000	0.000
Operating1	-176	53	25.240	1.966	0.000
Operating2	-176	53	-3.243	1.141	0.000
Maximum	-176	53	25.240	1.966	0.000
Minimum	-176	0	-3.243	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	-37	0	0.000	0.000	0.000
Operating1	-37	11	40.394	12.434	0.000
Operating2	-37	11	-8.384	-2.714	0.000
Maximum	-37	11	40.394	12.434	0.000
Minimum	-37	0	-8.384	-2.714	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	-162	0	0.000	0.000	0.000
Operating1	-162	49	39.031	12.509	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	-162	49	-8.075	-3.089	0.000
Maximum	-162	49	39.031	12.509	0.000
Minimum	-162	0	-8.075	-3.089	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	-203	0	0.000	0.000	0.000
Operating1	-203	61	5.106	6.377	0.000
Operating2	-203	61	-0.100	-1.753	0.000
Maximum	-203	61	5.106	6.377	0.000
Minimum	-203	0	-0.100	-1.753	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	0.311	-2.916	0.000
Operating2	-183	0	0.000	0.000	0.000
Maximum	-183	55	0.311	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	-199	0	0.000	0.000	0.000
Operating1	-199	60	-1.917	-9.751	0.000
Operating2	-199	60	0.260	1.333	0.000
Maximum	-199	60	0.260	1.333	0.000
Minimum	-199	0	-1.917	-9.751	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	-87	0	0.000	0.000	0.000
Operating1	-87	26	-0.820	-10.972	0.000
Operating2	-87	26	0.388	1.602	0.000
Maximum	-87	26	0.388	1.602	0.000
Minimum	-87	0	-0.820	-10.972	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	-168	0	0.000	0.000	0.000
Operating1	-168	50	5.618	-3.005	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	-168	50	-0.107	0.220	0.000
Maximum	-168	50	5.618	0.220	0.000
Minimum	-168	0	-0.107	-3.005	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	-81	0	0.000	0.000	0.000
Operating1	-81	24	6.090	8.443	0.000
Operating2	-81	24	-0.230	-0.172	0.000
Maximum	-81	24	6.090	8.443	0.000
Minimum	-81	0	-0.230	-0.172	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	-167	0	0.000	0.000	0.000
Operating1	-167	50	-0.141	21.804	0.000
Operating2	-167	50	0.578	-2.344	0.000
Maximum	-167	50	0.578	21.804	0.000
Minimum	-167	0	-0.141	-2.344	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	-176	0	0.000	0.000	0.000
Operating1	-176	53	-9.431	30.275	0.000
Operating2	-176	53	1.665	-5.241	0.000
Maximum	-176	53	1.665	30.275	0.000
Minimum	-176	0	-9.431	-5.241	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	-5.107	25.432	0.000
Operating2	-205	62	0.779	-4.291	0.000
Maximum	-205	62	0.779	25.432	0.000
Minimum	-205	0	-5.107	-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	-8.739	19.650	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	2.012	-3.006	0.000
Maximum	-144	43	2.012	19.650	0.000
Minimum	-144	0	-8.739	-3.006	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	-5.327	14.368	0.000
Operating2	-202	61	0.824	-2.186	0.000
Maximum	-202	61	0.824	14.368	0.000
Minimum	-202	0	-5.327	-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	-2.933	-10.995	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	-0.261	2.396	0.000
Maximum	-216	65	0.000	2.396	0.000
Minimum	-216	0	-2.933	-10.995	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	-33.028	-26.030	0.000
Operating2	-146	44	13.063	8.232	0.000
Maximum	-146	44	13.063	8.232	0.000
Minimum	-146	0	-33.028	-26.030	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	-29.987	-25.143	0.000
Operating2	-131	39	12.755	7.905	0.000
Maximum	-131	39	12.755	7.905	0.000
Minimum	-131	0	-29.987	-25.143	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	8.428	-6.251	0.000
Operating2	-188	57	-0.402	0.395	0.000
Maximum	-188	57	8.428	0.395	0.000
Minimum	-188	0	-0.402	-6.251	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	8.562	-13.114	0.000
Operating2	-191	57	-0.947	1.374	0.000
Maximum	-191	57	8.562	1.374	0.000
Minimum	-191	0	-0.947	-13.114	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	11.819	-17.897	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	11.819	2.323	0.000
Minimum	-191	0	-1.564	-17.897	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	16.627	-21.657	0.000
Operating2	-189	57	-2.270	3.232	0.000
Maximum	-189	57	16.627	3.232	0.000
Minimum	-189	0	-2.270	-21.657	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	47	11.892	-31.852	0.000
Operating2	-155	47	-1.722	5.003	0.000
Maximum	-155	47	11.892	5.003	0.000
Minimum	-155	0	-1.722	-31.852	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	12.599	-27.941	0.000
Operating2	-51	15	-1.684	4.213	0.000
Maximum	-51	15	12.599	4.213	0.000
Minimum	-51	0	-1.684	-27.941	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	2.805	-8.184	0.000
Operating2	-141	42	0.206	0.370	0.000
Maximum	-141	42	2.805	0.370	0.000
Minimum	-141	0	0.000	-8.184	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	-0.412	0.494	0.000	
Maximum	0	0	1.872	0.494	0.000	
Minimum	0	0	-0.412	-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	-8.229	27.565	0.000	
Operating2	0	0	1.406	-4.709	0.000	
Maximum	0	0	1.406	27.565	0.000	
Minimum	0	0	-8.229	-4.709	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	0.0563	0.0000
14	0.000	0.000	0.000	0.1647	-0.0930	0.0000
16A	0.000	0.000	2.217	0.1338	-0.0421	0.0000
16B	0.000	0.000	2.255	0.1343	-0.0394	0.0000
18	0.000	0.000	0.000	0.1735	-0.0050	0.0000
20	0.000	0.000	0.000	0.0471	-0.1094	0.0000
22	0.000	0.000	0.000	0.0797	-0.0791	0.0000
24	0.000	0.000	0.000	0.0689	-0.0855	0.0000
26	0.000	0.000	0.000	0.0716	-0.0806	0.0000
28	0.000	0.000	0.000	0.0638	-0.0845	0.0000
30	0.000	0.000	0.000	0.0842	-0.0645	0.0000
32	0.000	0.000	0.000	0.0025	-0.1314	0.0000
34	0.000	0.000	0.574	0.0616	-0.0801	0.0000
36	0.000	0.000	0.000	0.1256	-0.0352	0.0000
38	0.000	0.000	0.000	0.0381	-0.0942	0.0000
40	0.000	0.000	0.000	0.0606	-0.0771	0.0000
42	0.000	0.000	0.000	0.0537	-0.0803	0.0000
44	0.000	0.000	0.000	0.0546	-0.0781	0.0000
46	0.000	0.000	0.000	0.0534	-0.0773	0.0000
48	0.000	0.000	0.000	0.0528	-0.0762	0.0000
50	0.000	0.000	0.000	0.0520	-0.0751	0.0000
52	0.000	0.000	0.000	0.0513	-0.0741	0.0000
54	0.000	0.000	0.000	0.0505	-0.0730	0.0000
56	0.000	0.000	0.000	0.0498	-0.0719	0.0000
58	0.000	0.000	0.000	0.0491	-0.0708	0.0000
60	0.000	0.000	0.000	0.0482	-0.0699	0.0000
62	0.000	0.000	0.000	0.0482	-0.0683	0.0000
64	0.000	0.000	0.000	0.0445	-0.0692	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	0.0547	-0.0606	0.0000
68	0.000	0.000	0.000	0.0133	-0.0877	0.0000
70A	0.000	0.000	-1.126	0.1101	-0.0201	0.0000
70B	0.000	0.000	-1.132	0.1135	-0.0140	0.0000
72	0.000	0.000	0.000	0.0748	0.0974	0.0000
74	0.000	0.000	0.000	0.1350	0.1627	0.0000
76	0.000	0.000	0.000	0.3971	-0.0754	0.0000
78A	0.000	0.000	2.286	0.3988	-0.0607	0.0000
78B	0.000	0.000	2.286	0.4014	-0.0556	0.0000
80	0.000	0.000	0.000	0.4055	-0.0541	0.0000
82	0.000	0.000	0.000	0.1517	-0.2909	0.0000
84	0.000	0.000	0.000	0.2114	-0.2243	0.0000
86	0.000	0.000	0.000	0.1849	-0.2296	0.0000
88	0.000	0.000	0.000	0.1815	-0.2156	0.0000
90	0.000	0.000	0.000	0.1720	-0.2067	0.0000
92	0.000	0.000	0.000	0.1640	-0.1965	0.0000
94	0.000	0.000	0.000	0.1556	-0.1867	0.0000
96	0.000	0.000	0.000	0.1475	-0.1767	0.0000
98	0.000	0.000	0.000	0.1389	-0.1670	0.0000
100	0.000	0.000	0.000	0.1316	-0.1563	0.0000
102	0.000	0.000	0.000	0.1198	-0.1493	0.0000
104	0.000	0.000	0.000	0.1246	-0.1285	0.0000
106	0.000	0.000	0.000	0.0676	-0.1592	0.0000
108	0.000	0.000	0.000	0.0709	-0.1471	0.0000
110A	0.000	0.000	0.768	0.0514	-0.1600	0.0000
110B	0.000	0.000	0.777	0.0513	-0.1599	0.0000
112	0.000	0.000	0.000	0.1097	-0.1520	0.0000
114	0.000	0.000	0.000	-0.0108	-0.1513	0.0000
116	0.000	0.000	0.000	0.0174	-0.1367	0.0000
118	0.000	0.000	0.000	0.0184	-0.1247	0.0000
120	0.000	0.000	0.000	-0.0206	-0.1164	0.0000
122	0.000	0.000	0.000	0.1278	-0.0906	0.0000
124	0.000	0.000	0.000	-0.1489	-0.1013	0.0000
126A	0.000	0.000	0.845	0.0334	-0.0804	0.0000
126B	0.000	0.000	0.840	0.0406	-0.0791	0.0000
128	0.000	0.000	0.000	0.1010	-0.0796	0.0000
130	0.000	0.000	0.000	0.0084	-0.1604	0.0000
132	0.000	0.000	0.000	0.1336	-0.1762	0.0000
134A	0.000	0.000	-5.199	0.2044	-0.1902	0.0000
134B	0.000	0.000	-5.091	0.1937	-0.2036	0.0000
136	0.000	0.000	0.000	0.1097	-0.0873	0.0000
138A	0.000	0.000	0.164	0.0167	0.0414	0.0000
138B	0.000	0.000	0.108	0.0072	0.0344	0.0000
140	0.000	0.000	0.000	-0.0023	0.0338	0.0000
142A	0.000	0.000	-0.114	-0.0121	0.0332	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	-0.067	-0.0251	0.0354	0.0000
144	0.000	0.000	0.000	-0.0393	-0.1173	0.0000
146A	0.000	0.000	-4.757	-0.0512	-0.2582	0.0000
146B	0.000	0.000	-4.860	-0.0676	-0.2527	0.0000
148	0.000	0.000	0.000	-0.0085	-0.2025	0.0000
150	0.000	0.000	0.000	0.0484	-0.1480	0.0000
152	0.000	0.000	0.000	0.0820	-0.1003	0.0000
154	0.000	0.000	0.000	-0.0010	-0.0749	0.0000
156	0.000	0.000	0.000	0.0445	-0.0111	0.0000
158	0.000	0.000	0.000	-0.1218	0.0152	0.0000
160A	0.000	0.000	0.906	-0.0233	0.0609	0.0000
160B	0.000	0.000	0.906	-0.0201	0.0621	0.0000
162	0.000	0.000	0.000	0.0823	0.1098	0.0000
164	0.000	0.000	0.000	-0.0665	0.0845	0.0000
166	0.000	0.000	0.000	-0.0407	0.1273	0.0000
168	0.000	0.000	0.000	-0.0616	0.1518	0.0000
170	0.000	0.000	0.000	-0.0701	0.1813	0.0000
172	0.000	0.000	0.000	-0.0819	0.2094	0.0000
174	0.000	0.000	0.000	-0.0926	0.2380	0.0000
176	0.000	0.000	0.000	-0.1046	0.2660	0.0000
178	0.000	0.000	0.000	-0.1125	0.2956	0.0000
180	0.000	0.000	0.000	-0.1352	0.3195	0.0000
182	0.000	0.000	0.000	-0.1031	0.3648	0.0000
184	0.000	0.000	0.000	-0.2754	0.3303	0.0000
186A	0.000	0.000	1.423	-0.1935	0.3700	0.0000
186B	0.000	0.000	1.422	-0.1889	0.3724	0.0000
188	0.000	0.000	0.000	-0.1224	0.4077	0.0000
190	0.000	0.000	0.000	-0.2376	0.2930	0.0000
192	0.000	0.000	0.000	-0.1849	0.2912	0.0000
194	0.000	0.000	0.000	-0.1772	0.2592	0.0000
196	0.000	0.000	0.000	-0.1574	0.2353	0.0000
198	0.000	0.000	0.000	-0.1407	0.2092	0.0000
200	0.000	0.000	0.000	-0.1238	0.1834	0.0000
202	0.000	0.000	0.000	-0.1048	0.1589	0.0000
204	0.000	0.000	0.000	-0.0943	0.1288	0.0000
206	0.000	0.000	0.000	-0.0520	0.1200	0.0000
208	0.000	0.000	0.000	-0.1283	0.0315	0.0000
210A	0.000	0.000	0.713	-0.0688	0.0625	0.0000
210B	0.000	0.000	0.650	-0.0670	0.0611	0.0000
212	0.000	0.000	0.000	-0.0613	0.0558	0.0000
214	0.000	0.000	0.000	0.0001	-0.0231	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	0.0563	0.2183
14	-14.246	28.043	0.000	0.1647	-0.0930	0.3446
16A	-16.172	31.565	2.217	0.1338	-0.0421	0.0961
16B	-16.168	31.515	2.255	0.1343	-0.0394	-0.1660
18	-21.622	25.426	0.000	0.1735	-0.0050	-0.3129
20	-23.178	20.225	0.000	0.0471	-0.1094	0.0681
22	-17.805	20.931	0.000	0.0797	-0.0791	0.0404
24	-15.428	19.094	0.000	0.0689	-0.0855	-0.0075
26	-13.999	16.456	0.000	0.0716	-0.0806	-0.0102
28	-12.700	13.712	0.000	0.0638	-0.0845	-0.0124
30	-10.203	11.994	0.000	0.0842	-0.0645	0.0597
32	-2.872	14.392	0.000	0.0025	-0.1314	0.1143
34	-0.811	14.823	0.574	0.0616	-0.0801	0.0079
36	-1.455	13.153	0.000	0.1256	-0.0352	-0.0997
38	-4.967	7.174	0.000	0.0381	-0.0942	-0.0491
40	-3.567	4.601	0.000	0.0606	-0.0771	0.0122
42	-1.653	2.388	0.000	0.0537	-0.0803	0.0004
44	0.000	0.000	0.000	0.0546	-0.0781	-0.0001
46	1.653	-2.388	0.000	0.0534	-0.0773	0.0000
48	3.309	-4.779	0.000	0.0528	-0.0762	0.0000
50	4.967	-7.174	0.000	0.0520	-0.0751	0.0000
52	6.626	-9.573	0.000	0.0513	-0.0741	0.0000
54	8.290	-11.974	0.000	0.0505	-0.0730	0.0001
56	9.968	-14.371	0.000	0.0498	-0.0719	0.0003
58	11.623	-16.788	0.000	0.0491	-0.0708	-0.0013
60	13.163	-19.289	0.000	0.0482	-0.0699	-0.0026
62	14.964	-21.615	0.000	0.0482	-0.0683	0.0117
64	17.736	-23.275	0.000	0.0445	-0.0692	0.0199
66	18.316	-26.456	0.000	0.0547	-0.0606	-0.0915
68	14.142	-32.934	0.000	0.0133	-0.0877	-0.0171
70A	16.317	-32.740	-1.126	0.1101	-0.0201	0.1922
70B	16.417	-32.390	-1.132	0.1135	-0.0140	0.3266
72	11.604	-23.215	0.000	0.0748	0.0974	0.4197
74	0.000	0.000	0.000	0.1350	0.1627	0.3237
76	-9.955	20.734	0.000	0.3971	-0.0754	0.2184
78A	-10.566	22.291	2.286	0.3988	-0.0607	0.1677
78B	-10.504	22.443	2.286	0.4014	-0.0556	0.0717
80	-10.030	22.380	0.000	0.4055	-0.0541	0.0092
82	-13.420	15.558	0.000	0.1517	-0.2909	-0.0937
84	-12.231	12.712	0.000	0.2114	-0.2243	0.0249
86	-9.385	11.253	0.000	0.1849	-0.2296	0.0086
88	-7.438	9.050	0.000	0.1815	-0.2156	-0.0020
90	-5.623	6.742	0.000	0.1720	-0.2067	-0.0005
92	-3.748	4.490	0.000	0.1640	-0.1965	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	0.1556	-0.1867	0.0000
96	0.000	0.000	0.000	0.1475	-0.1767	-0.0001
98	1.872	-2.245	0.000	0.1389	-0.1670	0.0002
100	3.897	-4.367	0.000	0.1316	-0.1563	0.0076
102	5.624	-6.744	0.000	0.1198	-0.1493	-0.0308
104	7.504	-8.998	0.000	0.1246	-0.1285	0.1073
106	25.240	1.966	0.000	0.0676	-0.1592	0.4889
108	40.394	12.434	0.000	0.0709	-0.1471	0.2963
110A	42.581	13.475	0.768	0.0514	-0.1600	0.0089
110B	42.563	13.444	0.777	0.0513	-0.1599	-0.1065
112	39.031	12.509	0.000	0.1097	-0.1520	-0.3651
114	5.106	6.377	0.000	-0.0108	-0.1513	-0.3455
116	-0.274	2.922	0.000	0.0174	-0.1367	0.0273
118	0.000	0.000	0.000	0.0184	-0.1247	-0.0080
120	0.311	-2.916	0.000	-0.0206	-0.1164	0.0063
122	0.547	-5.843	0.000	0.1278	-0.0906	-0.0174
124	-1.917	-9.751	0.000	-0.1489	-0.1013	-0.0291
126A	-2.062	-10.538	0.845	0.0334	-0.0804	0.0187
126B	-2.056	-10.545	0.840	0.0406	-0.0791	0.0261
128	-0.820	-10.972	0.000	0.1010	-0.0796	0.0795
130	3.571	-11.963	0.000	0.0084	-0.1604	0.0366
132	4.203	-14.079	0.000	0.1336	-0.1762	-0.0004
134A	7.526	-14.612	-5.199	0.2044	-0.1902	0.2409
134B	7.765	-14.238	-5.091	0.1937	-0.2036	0.3920
136	5.618	-3.005	0.000	0.1097	-0.0873	0.4980
138A	3.596	8.185	0.164	0.0167	0.0414	0.3310
138B	3.817	8.504	0.108	0.0072	0.0344	0.2170
140	6.090	8.443	0.000	-0.0023	0.0338	0.0492
142A	5.392	7.542	-0.114	-0.0121	0.0332	-0.1791
142B	5.036	7.719	-0.067	-0.0251	0.0354	-0.3869
144	-0.141	21.804	0.000	-0.0393	-0.1173	-0.6955
146A	-5.532	37.041	-4.757	-0.0512	-0.2582	-0.5579
146B	-6.090	37.334	-4.860	-0.0676	-0.2527	-0.3370
148	-9.828	34.760	0.000	-0.0085	-0.2025	-0.0156
150	-9.701	32.495	0.000	0.0484	-0.1480	-0.0076
152	-9.431	30.275	0.000	0.0820	-0.1003	-0.0058
154	-8.229	27.565	0.000	-0.0010	-0.0749	0.0247
156	-5.107	25.432	0.000	0.0445	-0.0111	0.0254
158	-6.219	21.997	0.000	-0.1218	0.0152	-0.1074
160A	-7.921	20.757	0.906	-0.0233	0.0609	-0.0994
160B	-7.929	20.750	0.906	-0.0201	0.0621	-0.0965
162	-8.739	19.650	0.000	0.0823	0.1098	-0.0399
164	-6.688	17.141	0.000	-0.0665	0.0845	0.0242
166	-5.327	14.368	0.000	-0.0407	0.1273	-0.0057
168	-4.452	11.410	0.000	-0.0616	0.1518	-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	-0.0701	0.1813	0.0003
172	-2.223	5.697	0.000	-0.0819	0.2094	0.0000
174	-1.112	2.845	0.000	-0.0926	0.2380	-0.0002
176	0.000	0.000	0.000	-0.1046	0.2660	0.0006
178	1.047	-2.870	0.000	-0.1125	0.2956	-0.0051
180	2.222	-5.695	0.000	-0.1352	0.3195	0.0197
182	-2.933	-10.995	0.000	-0.1031	0.3648	-0.3456
184	-33.028	-26.030	0.000	-0.2754	0.3303	-0.2781
186A	-34.814	-27.504	1.423	-0.1935	0.3700	0.0672
186B	-34.793	-27.502	1.422	-0.1889	0.3724	0.1134
188	-29.987	-25.143	0.000	-0.1224	0.4077	0.4539
190	3.911	-5.818	0.000	-0.2376	0.2930	0.3700
192	8.428	-6.251	0.000	-0.1849	0.2912	-0.0875
194	7.126	-10.600	0.000	-0.1772	0.2592	-0.0198
196	8.562	-13.114	0.000	-0.1574	0.2353	0.0049
198	10.350	-15.396	0.000	-0.1407	0.2092	0.0001
200	11.819	-17.897	0.000	-0.1238	0.1834	-0.0038
202	13.583	-20.205	0.000	-0.1048	0.1589	0.0150
204	16.627	-21.657	0.000	-0.0943	0.1288	0.0262
206	16.825	-25.027	0.000	-0.0520	0.1200	-0.1198
208	11.892	-31.852	0.000	-0.1283	0.0315	0.0345
210A	13.911	-31.336	0.713	-0.0688	0.0625	0.2181
210B	14.027	-30.942	0.650	-0.0670	0.0611	0.3790
212	12.599	-27.941	0.000	-0.0613	0.0558	0.4642
214	2.805	-8.184	0.000	0.0001	-0.0231	0.4113
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	0.0555	-0.0172
14	1.996	-4.550	0.000	0.1625	-0.0918	-0.1211
16A	3.036	-6.074	2.188	0.1320	-0.0416	-0.0767
16B	3.036	-6.120	2.225	0.1325	-0.0389	0.0116
18	4.150	-4.880	0.000	0.1711	-0.0049	0.0694
20	4.093	-4.152	0.000	0.0465	-0.1080	-0.0172
22	3.388	-3.982	0.000	0.0786	-0.0780	-0.0003
24	3.010	-3.540	0.000	0.0680	-0.0844	0.0001
26	2.636	-3.099	0.000	0.0706	-0.0795	0.0000
28	2.274	-2.654	0.000	0.0630	-0.0834	0.0007
30	1.895	-2.228	0.000	0.0831	-0.0637	-0.0029
32	0.367	-2.785	0.000	0.0024	-0.1296	-0.0553
34	-0.553	-3.312	0.566	0.0608	-0.0791	-0.0023
36	0.110	-2.618	0.000	0.1240	-0.0348	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	0.0376	-0.0930	0.0023
40	0.629	-0.902	0.000	0.0598	-0.0761	-0.0006
42	0.312	-0.450	0.000	0.0529	-0.0792	0.0001
44	0.000	0.000	0.000	0.0539	-0.0771	0.0000
46	-0.311	0.449	0.000	0.0527	-0.0763	0.0000
48	-0.623	0.901	0.000	0.0521	-0.0752	0.0000
50	-0.939	1.356	0.000	0.0513	-0.0741	0.0000
52	-1.256	1.815	0.000	0.0506	-0.0731	0.0000
54	-1.576	2.277	0.000	0.0499	-0.0720	0.0000
56	-1.898	2.742	0.000	0.0491	-0.0710	0.0000
58	-2.223	3.211	0.000	0.0484	-0.0699	0.0000
60	-2.549	3.683	0.000	0.0475	-0.0690	0.0000
62	-2.879	4.158	0.000	0.0475	-0.0674	-0.0001
64	-3.323	4.560	0.000	0.0439	-0.0683	-0.0054
66	-3.544	5.119	0.000	0.0539	-0.0598	0.0217
68	-2.302	6.698	0.000	0.0132	-0.0865	0.0068
70A	-3.088	6.417	-1.110	0.1086	-0.0198	-0.0916
70B	-3.121	6.239	-1.117	0.1120	-0.0139	-0.1675
72	-0.587	2.042	0.000	0.0738	0.0961	-0.1634
74	0.000	0.000	0.000	0.1332	0.1605	0.0044
76	1.652	-3.645	0.000	0.3918	-0.0744	-0.0923
78A	2.005	-4.306	2.255	0.3934	-0.0599	-0.0810
78B	1.988	-4.386	2.255	0.3960	-0.0548	-0.0410
80	1.765	-4.480	0.000	0.4000	-0.0534	-0.0167
82	2.582	-2.993	0.000	0.1496	-0.2871	0.0234
84	2.240	-2.513	0.000	0.2086	-0.2213	-0.0067
86	1.781	-2.136	0.000	0.1825	-0.2265	0.0005
88	1.411	-1.690	0.000	0.1791	-0.2127	-0.0001
90	1.041	-1.249	0.000	0.1697	-0.2040	0.0000
92	0.676	-0.810	0.000	0.1618	-0.1939	0.0000
94	0.312	-0.374	0.000	0.1536	-0.1842	0.0000
96	-0.048	0.058	0.000	0.1455	-0.1743	0.0000
98	-0.412	0.494	0.000	0.1371	-0.1648	-0.0002
100	-0.772	0.937	0.000	0.1298	-0.1542	0.0011
102	-1.146	1.375	0.000	0.1182	-0.1473	-0.0040
104	-1.518	1.820	0.000	0.1229	-0.1268	0.0147
106	-3.243	1.141	0.000	0.0667	-0.1571	-0.1307
108	-8.384	-2.714	0.000	0.0699	-0.1451	-0.1266
110A	-9.310	-3.330	0.758	0.0507	-0.1578	-0.0149
110B	-9.306	-3.325	0.766	0.0506	-0.1578	0.0341
112	-8.075	-3.089	0.000	0.1082	-0.1499	0.1182
114	-0.100	-1.753	0.000	-0.0107	-0.1493	0.0634
116	0.108	-1.148	0.000	0.0171	-0.1349	-0.0139
118	0.054	-0.572	0.000	0.0182	-0.1230	0.0035
120	0.000	0.000	0.000	-0.0203	-0.1148	-0.0002

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	0.1261	-0.0893	-0.0028
124	0.260	1.333	0.000	-0.1469	-0.1000	0.0262
126A	0.661	1.523	0.833	0.0329	-0.0793	0.0080
126B	0.661	1.525	0.829	0.0400	-0.0780	0.0035
128	0.388	1.602	0.000	0.0996	-0.0786	-0.0205
130	-0.533	1.786	0.000	0.0083	-0.1582	-0.0117
132	-0.660	2.210	0.000	0.1318	-0.1738	0.0197
134A	-0.498	2.566	-5.130	0.2016	-0.1876	-0.0356
134B	-0.542	2.492	-5.022	0.1911	-0.2009	-0.0863
136	-0.107	0.220	0.000	0.1082	-0.0861	-0.0679
138A	-0.189	-0.318	0.162	0.0165	0.0408	0.0059
138B	-0.197	-0.305	0.106	0.0071	0.0339	0.0043
140	-0.230	-0.172	0.000	-0.0023	0.0334	-0.0059
142A	-0.336	-0.060	-0.112	-0.0120	0.0327	0.0068
142B	-0.305	-0.070	-0.066	-0.0248	0.0349	0.0407
144	0.578	-2.344	0.000	-0.0388	-0.1158	0.1548
146A	1.913	-6.287	-4.693	-0.0506	-0.2547	0.1441
146B	2.038	-6.360	-4.795	-0.0667	-0.2493	0.0618
148	1.736	-6.140	0.000	-0.0084	-0.1998	-0.0253
150	1.699	-5.690	0.000	0.0477	-0.1460	0.0094
152	1.665	-5.241	0.000	0.0809	-0.0990	-0.0014
154	1.406	-4.709	0.000	-0.0009	-0.0739	-0.0029
156	0.779	-4.291	0.000	0.0439	-0.0109	-0.0119
158	1.021	-3.610	0.000	-0.1201	0.0150	0.0475
160A	1.812	-3.238	0.894	-0.0230	0.0601	0.0373
160B	1.815	-3.236	0.894	-0.0198	0.0612	0.0350
162	2.012	-3.006	0.000	0.0812	0.1083	0.0024
164	1.066	-2.731	0.000	-0.0656	0.0833	-0.0094
166	0.824	-2.186	0.000	-0.0401	0.1256	0.0025
168	0.634	-1.626	0.000	-0.0608	0.1498	-0.0004
170	0.421	-1.080	0.000	-0.0691	0.1788	0.0001
172	0.210	-0.538	0.000	-0.0808	0.2066	-0.0001
174	0.000	0.000	0.000	-0.0914	0.2348	0.0004
176	-0.209	0.536	0.000	-0.1032	0.2625	-0.0014
178	-0.385	1.089	0.000	-0.1110	0.2917	0.0067
180	-0.632	1.620	0.000	-0.1334	0.3153	-0.0255
182	-0.261	2.396	0.000	-0.1017	0.3599	0.1195
184	13.063	8.232	0.000	-0.2717	0.3259	0.1657
186A	14.627	8.992	1.404	-0.1909	0.3650	0.0011
186B	14.624	8.993	1.403	-0.1864	0.3674	-0.0246
188	12.755	7.905	0.000	-0.1208	0.4023	-0.1920
190	0.000	0.000	0.000	-0.2344	0.2891	-0.1247
192	-0.402	0.395	0.000	-0.1825	0.2873	0.0331
194	-0.618	0.920	0.000	-0.1748	0.2557	-0.0077
196	-0.947	1.374	0.000	-0.1553	0.2321	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	-0.1389	0.2064	-0.0003
200	-1.564	2.323	0.000	-0.1221	0.1809	0.0000
202	-1.882	2.799	0.000	-0.1034	0.1568	0.0001
204	-2.270	3.232	0.000	-0.0930	0.1271	-0.0041
206	-2.527	3.758	0.000	-0.0513	0.1184	0.0161
208	-1.722	5.003	0.000	-0.1265	0.0310	0.0024
210A	-2.000	4.986	0.704	-0.0679	0.0617	-0.0396
210B	-2.023	4.902	0.641	-0.0661	0.0603	-0.0863
212	-1.684	4.213	0.000	-0.0605	0.0551	-0.1069
214	0.206	0.370	0.000	0.0001	-0.0228	-0.0509
216	0.000	0.000	0.000	0.0000	0.0000	0.0000