

Caepipe

přeložka HV Kralupy UT vratka

Quality Assurance Block

Caepipe

Version 10.10

Client : Digitronic CZ s.r.o.

Project : přeložka HV Kralupy

File Number : UT vratka

Report Number : 231021/1

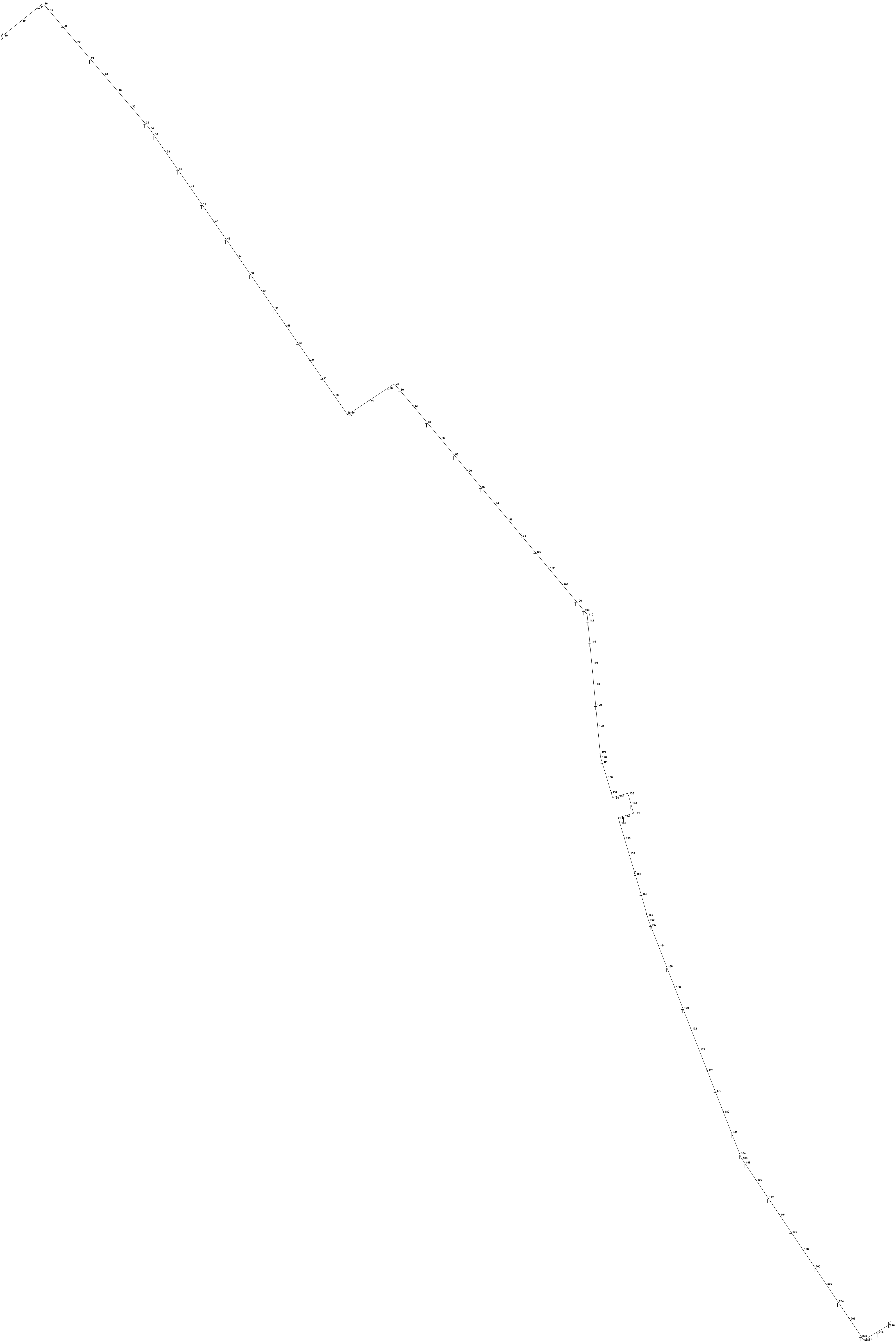
Model Name : 1 UT vrat v1

Title : přeložka HV Kralupy UT vratka

Analyzed : Sat Oct 23 15:29:44 2021

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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 UT vratka								
2	10	From	-63627	69665					Anchor
3	12		3393	2716		M1	125A	UTVR	Guide
4	14		3393	2716		M1	125A	UTVR	Limit stop
5	16	Bend	781	625		M1	125A	UTVR	
6	18		1006.72	-1183.82		M1	125A	UTVR	Guide
7	20		2596.47	-3053.26		M1	125A	UTVR	Limit stop
8	22		2592	-3047		M1	125A	UTVR	Guide
9	24		2592	-3047		M1	125A	UTVR	Limit stop
10	26		2592	-3047		M1	125A	UTVR	Guide
11	28		2592	-3047		M1	125A	UTVR	Limit stop
12	30		2592	-3047		M1	125A	UTVR	Guide
13	32		2592	-3047		M1	125A	UTVR	Limit stop
14	34		893.347	-1050.51		M1	125A	UTVR	
15	36		785	-1134		M1	125A	UTVR	Limit stop
16	38		2277	-3289		M1	125A	UTVR	Guide
17	40		2277	-3289		M1	125A	UTVR	Limit stop
18	42		2277	-3289		M1	125A	UTVR	Guide
19	44		2277	-3289		M1	125A	UTVR	Limit stop
20	46		2277	-3289		M1	125A	UTVR	Guide
21	48		2277	-3289		M1	125A	UTVR	Limit stop
22	50		2277	-3289		M1	125A	UTVR	Guide
23	52		2277	-3289		M1	125A	UTVR	Limit stop
24	54		2277	-3289		M1	125A	UTVR	Guide
25	56		2277	-3289		M1	125A	UTVR	Limit stop
26	58		2277	-3289		M1	125A	UTVR	Guide
27	60		2277	-3289		M1	125A	UTVR	Limit stop

Layout (108)									
#	Node	Type	DX (mm)	DY (mm)	DZ (mm)	Matl	Sect	Load	Data
28	62		2277	-3289		M1	125A	UTVR	Guide
29	64		2277	-3289		M1	125A	UTVR	Limit stop
30	66		2277	-3289		M1	125A	UTVR	Guide
31	68		2277	-3289		M1	100A	UTVR	Limit stop
32	70	Bend	306.776	-443.181		M1	100A	UTVR	
33	72		448.641	298.734		M1	100A	UTVR	Limit stop
34	74		3594	2389		M1	100A	UTVR	Guide
35	76		3595	2390		M1	100A	UTVR	Limit stop
36	78	Bend	1184.7	786.485		M1	100A	UTVR	
37	80		911.181	-1091.71		M1	100A	UTVR	Limit stop
38	82		2612.71	-3028.82		M1	100A	UTVR	Guide
39	84		2562	-3072		M1	100A	UTVR	Limit stop
40	86		2562	-3072		M1	100A	UTVR	Guide
41	88		2562	-3072		M1	100A	UTVR	Limit stop
42	90		2562	-3072		M1	100A	UTVR	Guide
43	92		2562	-3072		M1	100A	UTVR	Limit stop
44	94		2562	-3072		M1	100A	UTVR	Guide
45	96		2562	-3072		M1	100A	UTVR	Limit stop
46	98		2562	-3072		M1	100A	UTVR	Guide
47	100		2562	-3072		M1	100A	UTVR	Limit stop
48	102		2562	-3072		M1	100A	UTVR	Guide
49	104		2562	-3072		M1	100A	UTVR	Guide
50	106		2562	-3072		M1	100A	UTVR	Limit stop
51	108		1456	-1745		M1	100A	UTVR	Limit stop
52	110	Bend	734.327	-879.818		M1	100A	UTVR	
53	112		106.543	-1141.04		M1	100A	UTVR	Limit stop
54	114		373	-3983		M1	100A	UTVR	Limit stop
55	116		373	-3983		M1	100A	UTVR	Guide
56	118		373	-3983		M1	100A	UTVR	Guide
57	120		373	-3983		M1	100A	UTVR	Limit stop
58	122		373	-3983		M1	100A	UTVR	Guide
59	124		464	-4960		M1	100A	UTVR	Limit stop
60	126	Bend	85.765	-949.133		M1	100A	UTVR	
61	128		277.238	-918.052		M1	100A	UTVR	Limit stop
62	130		856.473	-2868.88		M1	100A	UTVR	Guide
63	132		856.759	-2869.84		M1	100A	UTVR	Guide
64	134	Bend	297.505	-996.539		M1	100A	UTVR	
65	136		990.602	282.147		M1	100A	UTVR	Limit stop
66	138	Bend	1894.65	539.64		M1	100A	UTVR	
67	140		535.993	-1895.68		M1	100A	UTVR	Limit stop
68	142	Bend	535.993	-1895.68		M1	100A	UTVR	
69	144		-1894.65	-539.64		M1	100A	UTVR	Limit stop
70	146	Bend	-990.602	-282.147		M1	100A	UTVR	
71	148		282.961	-1000.77		M1	100A	UTVR	Guide
72	150		856.759	-2869.84		M1	100A	UTVR	Guide
73	152		856.473	-2868.88		M1	100A	UTVR	Limit stop

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

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



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

Limit stops (51)												
Node	Tag	Lower Lmt (mm)	Upper Lmt (mm)	Direction			Friction Coeff.	Stiffness (N/mm)	CNode			
				X comp	Y comp	Z comp						
162		0.000	None			1.000	0.300	Rigid				
166		0.000	None			1.000	0.300	Rigid				
170		0.000	None			1.000	0.300	Rigid				
174		0.000	None			1.000	0.300	Rigid				
178		0.000	None			1.000	0.300	Rigid				
182		0.000	None			1.000	0.300	Rigid				
184		0.000	None			1.000	0.300	Rigid				
188		0.000	None			1.000	0.300	Rigid				
192		0.000	None			1.000	0.300	Rigid				
196		0.000	None			1.000	0.300	Rigid				
200		0.000	None			1.000	0.300	Rigid				
204		0.000	None			1.000	0.300	Rigid				
208		0.000	None			1.000	0.300	Rigid				
212		0.000	None			1.000	0.300	Rigid				
214		0.000	None			1.000	0.300	Rigid				
98		-50.000	50.000	0.640	-0.768		0.300	Rigid				
154		-50.000	50.000	0.286	-0.958		0.300	Rigid				
Pipe material M1: EN 1.0345 (P235GH) z=1												
Density = 7850 (kg/m3), Nu = 0.300, Joint factor = 1.00, Type = CS Tensile strength = 360.0 (MPa)												
Temp (C)	E (MPa)	Alpha (mm/mm/C)	f (MPa)	fCR (MPa)								
20	212000	11.90E-6	150.0									
50	209500	12.20E-6	150.0									
100	207000	12.50E-6	132.0									
150	203000	12.80E-6	124.7									
Pipe Sections (2)												
Name	Nom Dia	Sch	OD (mm)	Thk (mm)	Cor.Al (mm)	M.Tol (%)	Ins.Dens (kg/m3)	Ins.Thk (mm)	Lin.Dens (kg/m3)	Lin.Thk (mm)	Soil	
100A	Non Std		114.3	3.6	1	12.5	100	80				
125A	Non Std		139.7	4	1	12.5	100	60				
Pipe Loads (1)												
Name	T1 (C)	P1 (bar)	T2 (C)	P2 (bar)	Desg.T (C)	Desg.Pr. (bar)	Specific gravity	Add.Wgt. (kg/m)	Wind Load			
UTVR	60	6.00	0	6.00	105	16.0	1.0					
EN 13480 (2017) Code Compliance												
Node	Press. Allow. (bar)	Sustained (12.3.2-1)			Expansion (12.3.4-1)			Expansion (12.3.4-2)				
		S1 (MPa)	ff (MPa)	S1 ff	S3 (MPa)	fa (MPa)	S3 fa	S4 (MPa)	ff+fa (MPa)	S4 ff+fa		
10	16.0	13.08	146.4	0.09	22.50	177.5	0.13	35.58	323.9	0.11		
12	47.8	14.90	146.4	0.10	42.79	177.5	0.24	57.68	323.9	0.18		
12	16.0	14.90	146.4	0.10	42.19	177.5	0.24	57.08	323.9	0.18		
14	47.8	9.405	146.4	0.06	25.03	177.5	0.14	34.44	323.9	0.11		
14	16.0	9.405	146.4	0.06	24.95	177.5	0.14	34.36	323.9	0.11		
16A	47.8	5.719	146.4	0.04	45.03	177.5	0.25	50.75	323.9	0.16		

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	6.087	146.4	0.04	131.1	177.5	0.74	137.2	323.9	0.42
16B	36.9	5.400	146.4	0.04	114.5	177.5	0.65	119.9	323.9	0.37
16B	16.0	5.363	146.4	0.04	38.85	177.5	0.22	44.21	323.9	0.14
18	47.8	9.110	146.4	0.06	35.66	177.5	0.20	44.77	323.9	0.14
18	16.0	9.110	146.4	0.06	36.36	177.5	0.20	45.47	323.9	0.14
20	47.8	13.29	146.4	0.09	10.00	177.5	0.06	23.29	323.9	0.07
20	16.0	13.29	146.4	0.09	10.44	177.5	0.06	23.73	323.9	0.07
22	47.8	12.16	146.4	0.08	9.440	177.5	0.05	21.60	323.9	0.07
22	16.0	12.16	146.4	0.08	9.863	177.5	0.06	22.02	323.9	0.07
24	47.8	12.44	146.4	0.09	4.393	177.5	0.02	16.84	323.9	0.05
24	16.0	12.44	146.4	0.09	4.818	177.5	0.03	17.26	323.9	0.05
26	47.8	12.41	146.4	0.08	3.628	177.5	0.02	16.04	323.9	0.05
26	16.0	12.41	146.4	0.08	4.053	177.5	0.02	16.47	323.9	0.05
28	47.8	12.25	146.4	0.08	4.445	177.5	0.03	16.70	323.9	0.05
28	16.0	12.25	146.4	0.08	4.864	177.5	0.03	17.12	323.9	0.05
30	47.8	12.93	146.4	0.09	8.204	177.5	0.05	21.13	323.9	0.07
30	16.0	12.93	146.4	0.09	8.646	177.5	0.05	21.57	323.9	0.07
32	47.8	10.37	146.4	0.07	7.780	177.5	0.04	18.15	323.9	0.06
32	16.0	10.37	146.4	0.07	8.091	177.5	0.05	18.46	323.9	0.06
34	47.8	5.350	146.4	0.04	17.19	177.5	0.10	22.54	323.9	0.07
34	16.0	5.350	146.4	0.04	17.19	177.5	0.10	22.54	323.9	0.07
36	47.8	10.37	146.4	0.07	7.794	177.5	0.04	18.17	323.9	0.06
36	16.0	10.37	146.4	0.07	8.105	177.5	0.05	18.48	323.9	0.06
38	47.8	12.93	146.4	0.09	10.13	177.5	0.06	23.06	323.9	0.07
38	16.0	12.93	146.4	0.09	10.57	177.5	0.06	23.50	323.9	0.07
40	47.8	12.25	146.4	0.08	6.462	177.5	0.04	18.71	323.9	0.06
40	16.0	12.25	146.4	0.08	6.795	177.5	0.04	19.04	323.9	0.06
42	47.8	12.43	146.4	0.08	5.743	177.5	0.03	18.17	323.9	0.06
42	16.0	12.43	146.4	0.08	5.743	177.5	0.03	18.17	323.9	0.06
44	47.8	12.38	146.4	0.08	5.574	177.5	0.03	17.95	323.9	0.06
44	16.0	12.38	146.4	0.08	5.221	177.5	0.03	17.60	323.9	0.05
46	47.8	12.39	146.4	0.08	5.220	177.5	0.03	17.61	323.9	0.05
46	16.0	12.39	146.4	0.08	4.796	177.5	0.03	17.19	323.9	0.05
48	47.8	12.39	146.4	0.08	4.775	177.5	0.03	17.17	323.9	0.05
48	16.0	12.39	146.4	0.08	4.350	177.5	0.02	16.74	323.9	0.05
50	47.8	12.39	146.4	0.08	4.353	177.5	0.02	16.74	323.9	0.05
50	16.0	12.39	146.4	0.08	3.928	177.5	0.02	16.32	323.9	0.05
52	47.8	12.39	146.4	0.08	3.938	177.5	0.02	16.33	323.9	0.05
52	16.0	12.39	146.4	0.08	3.514	177.5	0.02	15.91	323.9	0.05
54	47.8	12.39	146.4	0.08	3.581	177.5	0.02	15.97	323.9	0.05
54	16.0	12.39	146.4	0.08	3.156	177.5	0.02	15.55	323.9	0.05
56	47.8	12.39	146.4	0.08	3.170	177.5	0.02	15.56	323.9	0.05
56	16.0	12.39	146.4	0.08	2.746	177.5	0.02	15.14	323.9	0.05
58	47.8	12.40	146.4	0.08	3.049	177.5	0.02	15.44	323.9	0.05
58	16.0	12.40	146.4	0.08	2.625	177.5	0.01	15.02	323.9	0.05
60	47.8	12.38	146.4	0.08	2.689	177.5	0.02	15.07	323.9	0.05
60	16.0	12.38	146.4	0.08	2.265	177.5	0.01	14.64	323.9	0.05
62	47.8	12.44	146.4	0.09	3.588	177.5	0.02	16.03	323.9	0.05

EN 13480 (2017) Code Compliance										
Node	Press.	Sustained (12.3.2-1)			Expansion (12.3.4-1)			Expansion (12.3.4-2)		
	Allow. (bar)	S1 (MPa)	ff (MPa)	S1 ff	S3 (MPa)	fa (MPa)	S3 fa	S4 (MPa)	ff+fa (MPa)	S4 ff+fa
62	16.0	12.44	146.4	0.09	3.162	177.5	0.02	15.61	323.9	0.05
64	47.8	12.19	146.4	0.08	3.462	177.5	0.02	15.65	323.9	0.05
64	16.0	12.19	146.4	0.08	3.043	177.5	0.02	15.24	323.9	0.05
66	47.8	13.14	146.4	0.09	8.815	177.5	0.05	21.96	323.9	0.07
66	16.0	17.99	146.4	0.12	13.88	177.5	0.08	31.87	323.9	0.10
68	50.3	4.985	146.4	0.03	24.42	177.5	0.14	29.40	323.9	0.09
68	16.0	4.985	146.4	0.03	24.23	177.5	0.14	29.22	323.9	0.09
70A	50.3	5.059	146.4	0.03	28.21	177.5	0.16	33.26	323.9	0.10
70A	16.0	5.216	146.4	0.04	79.08	177.5	0.45	84.30	323.9	0.26
70B	38.5	5.947	146.4	0.04	74.99	177.5	0.42	80.93	323.9	0.25
70B	16.0	5.575	146.4	0.04	26.61	177.5	0.15	32.18	323.9	0.10
72	50.3	7.208	146.4	0.05	19.09	177.5	0.11	26.30	323.9	0.08
72	16.0	7.208	146.4	0.05	19.12	177.5	0.11	26.33	323.9	0.08
74	50.3	18.46	146.4	0.13	17.65	177.5	0.10	36.12	323.9	0.11
74	16.0	18.46	146.4	0.13	17.63	177.5	0.10	36.10	323.9	0.11
76	50.3	12.07	146.4	0.08	6.163	177.5	0.03	18.24	323.9	0.06
76	16.0	12.07	146.4	0.08	6.138	177.5	0.03	18.21	323.9	0.06
78A	50.3	5.336	146.4	0.04	16.49	177.5	0.09	21.83	323.9	0.07
78A	16.0	5.373	146.4	0.04	46.37	177.5	0.26	51.74	323.9	0.16
78B	38.5	5.725	146.4	0.04	47.62	177.5	0.27	53.34	323.9	0.16
78B	16.0	5.305	146.4	0.04	16.98	177.5	0.10	22.28	323.9	0.07
80	50.3	11.58	146.4	0.08	7.382	177.5	0.04	18.96	323.9	0.06
80	16.0	11.58	146.4	0.08	7.733	177.5	0.04	19.31	323.9	0.06
82	50.3	14.64	146.4	0.10	8.467	177.5	0.05	23.11	323.9	0.07
82	16.0	14.64	146.4	0.10	8.933	177.5	0.05	23.57	323.9	0.07
84	50.3	13.82	146.4	0.09	2.303	177.5	0.01	16.12	323.9	0.05
84	16.0	13.82	146.4	0.09	2.743	177.5	0.02	16.56	323.9	0.05
86	50.3	14.04	146.4	0.10	3.101	177.5	0.02	17.14	323.9	0.05
86	16.0	14.04	146.4	0.10	3.548	177.5	0.02	17.59	323.9	0.05
88	50.3	13.98	146.4	0.10	2.253	177.5	0.01	16.23	323.9	0.05
88	16.0	13.98	146.4	0.10	2.699	177.5	0.02	16.68	323.9	0.05
90	50.3	14.00	146.4	0.10	2.745	177.5	0.02	16.74	323.9	0.05
90	16.0	14.00	146.4	0.10	3.191	177.5	0.02	17.19	323.9	0.05
92	50.3	13.99	146.4	0.10	2.928	177.5	0.02	16.92	323.9	0.05
92	16.0	13.99	146.4	0.10	3.374	177.5	0.02	17.37	323.9	0.05
94	50.3	13.99	146.4	0.10	3.413	177.5	0.02	17.41	323.9	0.05
94	16.0	13.99	146.4	0.10	3.859	177.5	0.02	17.85	323.9	0.06
96	50.3	14.00	146.4	0.10	3.807	177.5	0.02	17.80	323.9	0.05
96	16.0	14.00	146.4	0.10	3.910	177.5	0.02	17.90	323.9	0.06
98	50.3	13.98	146.4	0.10	4.197	177.5	0.02	18.18	323.9	0.06
98	16.0	13.98	146.4	0.10	3.868	177.5	0.02	17.85	323.9	0.06
100	50.3	14.03	146.4	0.10	3.883	177.5	0.02	17.92	323.9	0.06
100	16.0	14.03	146.4	0.10	3.439	177.5	0.02	17.47	323.9	0.05
102	50.3	13.83	146.4	0.09	7.902	177.5	0.04	21.74	323.9	0.07
102	16.0	13.83	146.4	0.09	7.453	177.5	0.04	21.29	323.9	0.07
104	50.3	14.59	146.4	0.10	23.17	177.5	0.13	37.75	323.9	0.12
104	16.0	14.59	146.4	0.10	22.69	177.5	0.13	37.28	323.9	0.12
106	50.3	11.76	146.4	0.08	9.951	177.5	0.06	21.71	323.9	0.07

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	11.76	146.4	0.08	9.726	177.5	0.05	21.49	323.9	0.07
108	50.3	6.467	146.4	0.04	26.75	177.5	0.15	33.22	323.9	0.10
108	16.0	6.467	146.4	0.04	26.68	177.5	0.15	33.15	323.9	0.10
110A	50.3	4.859	146.4	0.03	48.98	177.5	0.28	53.84	323.9	0.17
110A	16.0	4.911	146.4	0.03	135.5	177.5	0.76	140.4	323.9	0.43
110B	38.5	5.249	146.4	0.04	135.0	177.5	0.76	140.3	323.9	0.43
110B	16.0	5.067	146.4	0.03	48.80	177.5	0.28	53.87	323.9	0.17
112	50.3	12.45	146.4	0.09	22.94	177.5	0.13	35.39	323.9	0.11
112	16.0	12.45	146.4	0.09	23.03	177.5	0.13	35.48	323.9	0.11
114	50.3	14.43	146.4	0.10	19.20	177.5	0.11	33.63	323.9	0.10
114	16.0	14.43	146.4	0.10	19.50	177.5	0.11	33.92	323.9	0.10
116	50.3	13.81	146.4	0.09	11.36	177.5	0.06	25.17	323.9	0.08
116	16.0	13.81	146.4	0.09	11.70	177.5	0.07	25.51	323.9	0.08
118	50.3	14.31	146.4	0.10	4.630	177.5	0.03	18.94	323.9	0.06
118	16.0	14.31	146.4	0.10	4.732	177.5	0.03	19.04	323.9	0.06
120	50.3	12.92	146.4	0.09	3.029	177.5	0.02	15.95	323.9	0.05
120	16.0	12.92	146.4	0.09	2.611	177.5	0.01	15.53	323.9	0.05
122	50.3	17.99	146.4	0.12	4.337	177.5	0.02	22.32	323.9	0.07
122	16.0	17.99	146.4	0.12	3.808	177.5	0.02	21.79	323.9	0.07
124	50.3	15.70	146.4	0.11	5.255	177.5	0.03	20.95	323.9	0.06
124	16.0	15.70	146.4	0.11	4.803	177.5	0.03	20.50	323.9	0.06
126A	50.3	7.535	146.4	0.05	9.342	177.5	0.05	16.88	323.9	0.05
126A	16.0	9.671	146.4	0.07	23.91	177.5	0.13	33.58	323.9	0.10
126B	38.5	9.358	146.4	0.06	23.87	177.5	0.13	33.23	323.9	0.10
126B	16.0	7.370	146.4	0.05	9.325	177.5	0.05	16.69	323.9	0.05
128	50.3	5.553	146.4	0.04	3.770	177.5	0.02	9.323	323.9	0.03
128	16.0	5.553	146.4	0.04	3.628	177.5	0.02	9.181	323.9	0.03
130	50.3	12.55	146.4	0.09	11.21	177.5	0.06	23.76	323.9	0.07
130	16.0	12.55	146.4	0.09	10.77	177.5	0.06	23.32	323.9	0.07
132	50.3	5.695	146.4	0.04	18.42	177.5	0.10	24.11	323.9	0.07
132	16.0	5.695	146.4	0.04	18.22	177.5	0.10	23.92	323.9	0.07
134A	50.3	6.303	146.4	0.04	25.73	177.5	0.14	32.03	323.9	0.10
134A	16.0	7.447	146.4	0.05	71.85	177.5	0.40	79.30	323.9	0.24
134B	38.5	5.847	146.4	0.04	65.05	177.5	0.37	70.90	323.9	0.22
134B	16.0	5.825	146.4	0.04	23.08	177.5	0.13	28.90	323.9	0.09
136	50.3	11.20	146.4	0.08	4.152	177.5	0.02	15.35	323.9	0.05
136	16.0	11.20	146.4	0.08	4.084	177.5	0.02	15.28	323.9	0.05
138A	50.3	5.902	146.4	0.04	19.84	177.5	0.11	25.74	323.9	0.08
138A	16.0	6.069	146.4	0.04	56.05	177.5	0.32	62.12	323.9	0.19
138B	38.5	5.654	146.4	0.04	59.19	177.5	0.33	64.84	323.9	0.20
138B	16.0	5.266	146.4	0.04	21.07	177.5	0.12	26.33	323.9	0.08
140	50.3	23.35	146.4	0.16	15.65	177.5	0.09	39.00	323.9	0.12
140	16.0	23.35	146.4	0.16	15.81	177.5	0.09	39.16	323.9	0.12
142A	50.3	5.282	146.4	0.04	35.04	177.5	0.20	40.33	323.9	0.12
142A	16.0	5.682	146.4	0.04	98.44	177.5	0.55	104.1	323.9	0.32
142B	38.5	6.176	146.4	0.04	94.94	177.5	0.53	101.1	323.9	0.31
142B	16.0	5.950	146.4	0.04	33.68	177.5	0.19	39.63	323.9	0.12
144	50.3	11.11	146.4	0.08	5.125	177.5	0.03	16.24	323.9	0.05

EN 13480 (2017) Code Compliance										
Node	Press.	Sustained (12.3.2-1)			Expansion (12.3.4-1)			Expansion (12.3.4-2)		
	Allow. (bar)	S1 (MPa)	ff (MPa)	S1 ff	S3 (MPa)	fa (MPa)	S3 fa	S4 (MPa)	ff+fa (MPa)	S4 ff+fa
144	16.0	11.11	146.4	0.08	5.152	177.5	0.03	16.26	323.9	0.05
146A	50.3	5.864	146.4	0.04	32.47	177.5	0.18	38.33	323.9	0.12
146A	16.0	5.936	146.4	0.04	91.40	177.5	0.52	97.34	323.9	0.30
146B	38.5	7.393	146.4	0.05	99.44	177.5	0.56	106.8	323.9	0.33
146B	16.0	6.255	146.4	0.04	35.60	177.5	0.20	41.86	323.9	0.13
148	50.3	5.426	146.4	0.04	22.62	177.5	0.13	28.05	323.9	0.09
148	16.0	5.426	146.4	0.04	22.83	177.5	0.13	28.25	323.9	0.09
150	50.3	10.87	146.4	0.07	4.608	177.5	0.03	15.47	323.9	0.05
150	16.0	10.87	146.4	0.07	4.985	177.5	0.03	15.85	323.9	0.05
152	50.3	12.00	146.4	0.08	2.320	177.5	0.01	14.32	323.9	0.04
152	16.0	12.00	146.4	0.08	2.707	177.5	0.02	14.71	323.9	0.05
154	50.3	14.20	146.4	0.10	4.320	177.5	0.02	18.52	323.9	0.06
154	16.0	14.20	146.4	0.10	4.771	177.5	0.03	18.97	323.9	0.06
156	50.3	15.16	146.4	0.10	4.102	177.5	0.02	19.26	323.9	0.06
156	16.0	15.16	146.4	0.10	4.574	177.5	0.03	19.73	323.9	0.06
158	50.3	10.75	146.4	0.07	7.814	177.5	0.04	18.56	323.9	0.06
158	16.0	10.75	146.4	0.07	8.145	177.5	0.05	18.90	323.9	0.06
160A	50.3	7.491	146.4	0.05	7.916	177.5	0.04	15.41	323.9	0.05
160A	16.0	9.570	146.4	0.07	16.79	177.5	0.09	26.36	323.9	0.08
160B	38.5	9.603	146.4	0.07	16.99	177.5	0.10	26.59	323.9	0.08
160B	16.0	7.494	146.4	0.05	7.995	177.5	0.05	15.49	323.9	0.05
162	50.3	11.14	146.4	0.08	6.832	177.5	0.04	17.97	323.9	0.06
162	16.0	11.14	146.4	0.08	7.162	177.5	0.04	18.30	323.9	0.06
164	50.3	16.04	146.4	0.11	3.922	177.5	0.02	19.96	323.9	0.06
164	16.0	16.04	146.4	0.11	4.415	177.5	0.02	20.45	323.9	0.06
166	50.3	14.73	146.4	0.10	3.980	177.5	0.02	18.71	323.9	0.06
166	16.0	14.73	146.4	0.10	4.444	177.5	0.03	19.18	323.9	0.06
168	50.3	15.08	146.4	0.10	4.405	177.5	0.02	19.49	323.9	0.06
168	16.0	15.08	146.4	0.10	4.876	177.5	0.03	19.96	323.9	0.06
170	50.3	14.99	146.4	0.10	4.863	177.5	0.03	19.85	323.9	0.06
170	16.0	14.99	146.4	0.10	5.332	177.5	0.03	20.32	323.9	0.06
172	50.3	15.01	146.4	0.10	5.336	177.5	0.03	20.35	323.9	0.06
172	16.0	15.01	146.4	0.10	5.805	177.5	0.03	20.82	323.9	0.06
174	50.3	15.01	146.4	0.10	5.824	177.5	0.03	20.84	323.9	0.06
174	16.0	15.01	146.4	0.10	6.293	177.5	0.04	21.31	323.9	0.07
176	50.3	14.99	146.4	0.10	6.532	177.5	0.04	21.52	323.9	0.07
176	16.0	14.99	146.4	0.10	6.839	177.5	0.04	21.82	323.9	0.07
178	50.3	15.09	146.4	0.10	6.701	177.5	0.04	21.79	323.9	0.07
178	16.0	15.09	146.4	0.10	6.231	177.5	0.04	21.32	323.9	0.07
180	50.3	14.69	146.4	0.10	9.360	177.5	0.05	24.05	323.9	0.07
180	16.0	14.69	146.4	0.10	8.897	177.5	0.05	23.59	323.9	0.07
182	50.3	16.19	146.4	0.11	19.11	177.5	0.11	35.30	323.9	0.11
182	16.0	16.19	146.4	0.11	18.71	177.5	0.11	34.90	323.9	0.11
184	50.3	10.56	146.4	0.07	28.02	177.5	0.16	38.57	323.9	0.12
184	16.0	10.56	146.4	0.07	27.89	177.5	0.16	38.44	323.9	0.12
186A	50.3	6.521	146.4	0.04	47.39	177.5	0.27	53.91	323.9	0.17
186A	16.0	7.877	146.4	0.05	125.1	177.5	0.70	133.0	323.9	0.41
186B	38.5	7.819	146.4	0.05	125.0	177.5	0.70	132.8	323.9	0.41

EN 13480 (2017) Code Compliance										
Node	Press.	Sustained (12.3.2-1)			Expansion (12.3.4-1)			Expansion (12.3.4-2)		
	Allow. (bar)	S1 (MPa)	ff (MPa)	S1 ff	S3 (MPa)	fa (MPa)	S3 fa	S4 (MPa)	ff+fa (MPa)	S4 ff+fa
186B	16.0	6.501	146.4	0.04	47.36	177.5	0.27	53.86	323.9	0.17
188	50.3	9.370	146.4	0.06	25.55	177.5	0.14	34.92	323.9	0.11
188	16.0	9.370	146.4	0.06	25.47	177.5	0.14	34.84	323.9	0.11
190	50.3	14.93	146.4	0.10	30.67	177.5	0.17	45.60	323.9	0.14
190	16.0	14.93	146.4	0.10	30.18	177.5	0.17	45.10	323.9	0.14
192	50.3	13.45	146.4	0.09	6.350	177.5	0.04	19.80	323.9	0.06
192	16.0	13.45	146.4	0.09	5.938	177.5	0.03	19.38	323.9	0.06
194	50.3	13.84	146.4	0.09	7.525	177.5	0.04	21.37	323.9	0.07
194	16.0	13.84	146.4	0.09	7.082	177.5	0.04	20.92	323.9	0.06
196	50.3	13.74	146.4	0.09	4.279	177.5	0.02	18.01	323.9	0.06
196	16.0	13.74	146.4	0.09	3.840	177.5	0.02	17.58	323.9	0.05
198	50.3	13.77	146.4	0.09	4.407	177.5	0.02	18.18	323.9	0.06
198	16.0	13.77	146.4	0.09	3.967	177.5	0.02	17.74	323.9	0.05
200	50.3	13.74	146.4	0.09	3.169	177.5	0.02	16.91	323.9	0.05
200	16.0	13.74	146.4	0.09	2.730	177.5	0.02	16.47	323.9	0.05
202	50.3	13.82	146.4	0.09	4.849	177.5	0.03	18.67	323.9	0.06
202	16.0	13.82	146.4	0.09	4.407	177.5	0.02	18.22	323.9	0.06
204	50.3	13.54	146.4	0.09	4.394	177.5	0.02	17.94	323.9	0.06
204	16.0	13.54	146.4	0.09	3.961	177.5	0.02	17.50	323.9	0.05
206	50.3	14.57	146.4	0.10	12.59	177.5	0.07	27.16	323.9	0.08
206	16.0	14.57	146.4	0.10	12.12	177.5	0.07	26.69	323.9	0.08
208	50.3	10.72	146.4	0.07	23.89	177.5	0.13	34.61	323.9	0.11
208	16.0	10.72	146.4	0.07	23.54	177.5	0.13	34.26	323.9	0.11
210A	50.3	5.375	146.4	0.04	33.24	177.5	0.19	38.62	323.9	0.12
210A	16.0	5.767	146.4	0.04	93.10	177.5	0.52	98.87	323.9	0.31
210B	38.5	5.862	146.4	0.04	87.41	177.5	0.49	93.27	323.9	0.29
210B	16.0	5.395	146.4	0.04	31.02	177.5	0.17	36.42	323.9	0.11
212	50.3	5.580	146.4	0.04	22.36	177.5	0.13	27.94	323.9	0.09
212	16.0	5.580	146.4	0.04	22.37	177.5	0.13	27.95	323.9	0.09
214	50.3	9.534	146.4	0.07	28.41	177.5	0.16	37.95	323.9	0.12
214	16.0	9.534	146.4	0.07	28.49	177.5	0.16	38.02	323.9	0.12
216	50.3	7.707	146.4	0.05	49.48	177.5	0.28	57.19	323.9	0.18
Support load summary for anchor at node 10										
Load combination	FX (N)	FY (N)	FZ (N)	MX (Nm)	MY (Nm)	MZ (Nm)	Displacements (global)			
							X (mm)	Y (mm)	Z (mm)	
Sustained	0	0	-632	-267	351	0	0.000	0.000	0.000	
Operating1	-2038	-2485	-632	-267	351	-961	0.000	0.000	0.000	
Operating2	740	741	-632	-267	351	167	0.000	0.000	0.000	
Maximum	740	741	-632	-267	351	167	0.000	0.000	0.000	
Minimum	-2038	-2485	-632	-267	351	-961	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	-263	47	-87	0	0.000	0.000	0.000	
Operating1	491	-114	-263	47	-87	1590	0.000	0.000	0.000	

Support load summary for anchor at node 216									
Load combination	FX (N)	FY (N)	FZ (N)	MX (Nm)	MY (Nm)	MZ (Nm)	Displacements (global)		
							X (mm)	Y (mm)	Z (mm)
Operating2	-111	-145	-263	47	-87	-58	0.000	0.000	0.000
Maximum	491	0	-263	47	-87	1590	0.000	0.000	0.000
Minimum	-111	-145	-263	47	-87	-58	0.000	0.000	0.000
Allowables	0	0	0	0	0	0	0.000	0.000	0.000
Support load summary for guide at node 12									
Load combination	fx (N)	fy (N)	fz (N)	Displacements (global)					
				X (mm)	Y (mm)	Z (mm)			
Sustained	0	0	-1406	0.000	0.000	0.000			
Operating1	592	1386	-1406	2.083	1.667	0.000			
Operating2	-427	-217	-1406	-0.361	-0.289	0.000			
Maximum	592	1386	-1406	2.083	1.667	0.000			
Minimum	-427	-217	-1406	-0.361	-0.289	0.000			
Support load summary for guide at node 18									
Load combination	fx (N)	fy (N)	fz (N)	Displacements (global)					
				X (mm)	Y (mm)	Z (mm)			
Sustained	0	0	-914	0.000	0.000	0.000			
Operating1	-867	2742	-914	-15.198	17.872	0.000			
Operating2	331	-617	-914	3.024	-3.556	0.000			
Maximum	331	2742	-914	3.024	17.872	0.000			
Minimum	-867	-617	-914	-15.198	-3.556	0.000			
Support load summary for guide at node 22									
Load combination	fx (N)	fy (N)	fz (N)	Displacements (global)					
				X (mm)	Y (mm)	Z (mm)			
Sustained	0	0	-1187	0.000	0.000	0.000			
Operating1	-365	-268	-1187	-12.001	14.108	0.000			
Operating2	356	32	-1187	2.471	-2.904	0.000			
Maximum	356	32	-1187	2.471	14.108	0.000			
Minimum	-365	-268	-1187	-12.001	-2.904	0.000			
Support load summary for guide at node 26									
Load combination	fx (N)	fy (N)	fz (N)	Displacements (global)					
				X (mm)	Y (mm)	Z (mm)			
Sustained	0	0	-1208	0.000	0.000	0.000			
Operating1	-363	33	-1208	-8.814	10.362	0.000			
Operating2	363	0	-1208	1.927	-2.265	0.000			
Maximum	363	33	-1208	1.927	10.362	0.000			
Minimum	-363	0	-1208	-8.814	-2.265	0.000			
Support load summary for guide at node 30									
Load combination	fx (N)	fy (N)	fz (N)	Displacements (global)					
				X (mm)	Y (mm)	Z (mm)			
Sustained	0	0	-1252	0.000	0.000	0.000			
Operating1	-377	121	-1252	-5.638	6.628	0.000			



Support load summary for guide at node 30						
Load combination	fx (N)	fy (N)	fz (N)	Displacements (global)		
				X (mm)	Y (mm)	Z (mm)
Operating2	376	-40	-1252	1.394	-1.639	0.000
Maximum	376	121	-1252	1.394	6.628	0.000
Minimum	-377	-40	-1252	-5.638	-1.639	0.000
Support load summary for guide at node 38						
Load combination	fx (N)	fy (N)	fz (N)	Displacements (global)		
				X (mm)	Y (mm)	Z (mm)
Sustained	0	0	-1252	0.000	0.000	0.000
Operating1	-379	172	-1252	-1.386	2.002	0.000
Operating2	376	-43	-1252	0.668	-0.965	0.000
Maximum	376	172	-1252	0.668	2.002	0.000
Minimum	-379	-43	-1252	-1.386	-0.965	0.000
Support load summary for guide at node 42						
Load combination	fx (N)	fy (N)	fz (N)	Displacements (global)		
				X (mm)	Y (mm)	Z (mm)
Sustained	0	0	-1210	0.000	0.000	0.000
Operating1	363	21	-1210	1.384	-2.000	0.000
Operating2	363	-2	-1210	0.220	-0.318	0.000
Maximum	363	21	-1210	1.384	0.000	0.000
Minimum	0	-2	-1210	0.000	-2.000	0.000
Support load summary for guide at node 46						
Load combination	fx (N)	fy (N)	fz (N)	Displacements (global)		
				X (mm)	Y (mm)	Z (mm)
Sustained	0	0	-1207	0.000	0.000	0.000
Operating1	362	-1	-1207	4.160	-6.009	0.000
Operating2	-362	0	-1207	-0.222	0.321	0.000
Maximum	362	0	-1207	4.160	0.321	0.000
Minimum	-362	-1	-1207	-0.222	-6.009	0.000
Support load summary for guide at node 50						
Load combination	fx (N)	fy (N)	fz (N)	Displacements (global)		
				X (mm)	Y (mm)	Z (mm)
Sustained	0	0	-1207	0.000	0.000	0.000
Operating1	362	-1	-1207	6.945	-10.031	0.000
Operating2	-362	0	-1207	-0.673	0.972	0.000
Maximum	362	0	-1207	6.945	0.972	0.000
Minimum	-362	-1	-1207	-0.673	-10.031	0.000
Support load summary for guide at node 54						
Load combination	fx (N)	fy (N)	fz (N)	Displacements (global)		
				X (mm)	Y (mm)	Z (mm)
Sustained	0	0	-1207	0.000	0.000	0.000
Operating1	362	4	-1207	9.739	-14.067	0.000

Support load summary for guide at node 54						
Load combination	fx (N)	fy (N)	fz (N)	Displacements (global)		
				X (mm)	Y (mm)	Z (mm)
Operating2	-362	0	-1207	-1.133	1.636	0.000
Maximum	362	4	-1207	9.739	1.636	0.000
Minimum	-362	0	-1207	-1.133	-14.067	0.000
Support load summary for guide at node 58						
Load combination	fx (N)	fy (N)	fz (N)	Displacements (global)		
				X (mm)	Y (mm)	Z (mm)
Sustained	0	0	-1207	0.000	0.000	0.000
Operating1	362	-16	-1207	12.542	-18.117	0.000
Operating2	-362	1	-1207	-1.602	2.313	0.000
Maximum	362	1	-1207	12.542	2.313	0.000
Minimum	-362	-16	-1207	-1.602	-18.117	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	-1211	0.000	0.000	0.000
Operating1	364	66	-1211	15.355	-22.179	0.000
Operating2	-363	-7	-1211	-2.080	3.004	0.000
Maximum	364	66	-1211	15.355	3.004	0.000
Minimum	-363	-7	-1211	-2.080	-22.179	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	-1192	0.000	0.000	0.000
Operating1	371	-326	-1192	18.177	-26.256	0.000
Operating2	-358	65	-1192	-2.567	3.708	0.000
Maximum	371	65	-1192	18.177	3.708	0.000
Minimum	-358	-326	-1192	-2.567	-26.256	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	-1141	0.000	0.000	0.000
Operating1	83	-312	-1141	0.000	0.000	0.000
Operating2	59	83	-1141	0.000	0.000	0.000
Maximum	83	83	-1141	0.000	0.000	0.000
Minimum	0	-312	-1141	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	-963	0.000	0.000	0.000
Operating1	-293	162	-963	-12.865	14.914	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	289	-42	-963	1.912	-2.216	0.000
Maximum	289	162	-963	1.912	14.914	0.000
Minimum	-293	-42	-963	-12.865	-2.216	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	-932	0.000	0.000	0.000
Operating1	-280	-33	-932	-9.444	11.324	0.000
Operating2	280	1	-932	1.325	-1.589	0.000
Maximum	280	1	-932	1.325	11.324	0.000
Minimum	-280	-33	-932	-9.444	-1.589	0.000
Support load summary for guide at node 90						
Load combination	fx (N)	fy (N)	fz (N)	Displacements (global)		
				X (mm)	Y (mm)	Z (mm)
Sustained	0	0	-930	0.000	0.000	0.000
Operating1	-279	7	-930	-6.285	7.536	0.000
Operating2	279	0	-930	0.787	-0.944	0.000
Maximum	279	7	-930	0.787	7.536	0.000
Minimum	-279	0	-930	-6.285	-0.944	0.000
Support load summary for guide at node 94						
Load combination	fx (N)	fy (N)	fz (N)	Displacements (global)		
				X (mm)	Y (mm)	Z (mm)
Sustained	0	0	-930	0.000	0.000	0.000
Operating1	-279	-1	-930	-3.137	3.761	0.000
Operating2	279	0	-930	0.260	-0.311	0.000
Maximum	279	0	-930	0.260	3.761	0.000
Minimum	-279	-1	-930	-3.137	-0.311	0.000
Support load summary for guide at node 98						
Load combination	fx (N)	fy (N)	fz (N)	Displacements (global)		
				X (mm)	Y (mm)	Z (mm)
Sustained	0	0	-930	0.000	0.000	0.000
Operating1	133	3	-930	0.000	0.000	0.000
Operating2	-279	1	-930	-0.261	0.313	0.000
Maximum	133	3	-930	0.000	0.313	0.000
Minimum	-279	0	-930	-0.261	0.000	0.000
Support load summary for guide at node 102						
Load combination	fx (N)	fy (N)	fz (N)	Displacements (global)		
				X (mm)	Y (mm)	Z (mm)
Sustained	0	0	-922	0.000	0.000	0.000
Operating1	286	-237	-922	3.140	-3.765	0.000

Support load summary for guide at node 102						
Load combination	fx (N)	fy (N)	fz (N)	Displacements (global)		
				X (mm)	Y (mm)	Z (mm)
Operating2	-277	18	-922	-0.791	0.949	0.000
Maximum	286	18	-922	3.140	0.949	0.000
Minimum	-277	-237	-922	-0.791	-3.765	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	-960	0.000	0.000	0.000
Operating1	305	333	-960	4.714	-5.652	0.000
Operating2	-288	14	-960	-1.061	1.272	0.000
Maximum	305	333	-960	4.714	1.272	0.000
Minimum	-288	0	-960	-1.061	-5.652	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	-921	0.000	0.000	0.000
Operating1	-278	92	-921	-0.229	2.447	0.000
Operating2	277	69	-921	0.039	-0.417	0.000
Maximum	277	92	-921	0.039	2.447	0.000
Minimum	-278	0	-921	-0.229	-0.417	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	-946	0.000	0.000	0.000
Operating1	-18	-123	-946	0.000	0.000	0.000
Operating2	111	-13	-946	0.000	0.000	0.000
Maximum	111	0	-946	0.000	0.000	0.000
Minimum	-18	-123	-946	0.000	0.000	0.000
Support load summary for guide at node 122						
Load combination	fx (N)	fy (N)	fz (N)	Displacements (global)		
				X (mm)	Y (mm)	Z (mm)
Sustained	0	0	-1102	0.000	0.000	0.000
Operating1	331	-48	-1102	0.459	-4.898	0.000
Operating2	-331	6	-1102	-0.078	0.835	0.000
Maximum	331	6	-1102	0.459	0.835	0.000
Minimum	-331	-48	-1102	-0.078	-4.898	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	-873	0.000	0.000	0.000
Operating1	289	-406	-873	3.051	-10.218	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	-262	41	-873	-0.511	1.712	0.000
Maximum	289	41	-873	3.051	1.712	0.000
Minimum	-262	-406	-873	-0.511	-10.218	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	-379	0.000	0.000	0.000
Operating1	124	167	-379	3.581	-11.995	0.000
Operating2	-121	142	-379	-0.604	2.025	0.000
Maximum	124	167	-379	3.581	2.025	0.000
Minimum	-121	0	-379	-0.604	-11.995	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	-408	0.000	0.000	0.000
Operating1	-122	-8	-408	-8.260	29.214	0.000
Operating2	139	219	-408	1.376	-4.867	0.000
Maximum	139	219	-408	1.376	29.214	0.000
Minimum	-122	-8	-408	-8.260	-4.867	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	-759	0.000	0.000	0.000
Operating1	-244	-295	-759	-8.154	27.313	0.000
Operating2	228	19	-759	1.354	-4.534	0.000
Maximum	228	19	-759	1.354	27.313	0.000
Minimum	-244	-295	-759	-8.154	-4.534	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	-941	0.000	0.000	0.000
Operating1	-283	54	-941	-6.920	23.178	0.000
Operating2	282	-10	-941	1.139	-3.815	0.000
Maximum	282	54	-941	1.139	23.178	0.000
Minimum	-283	-10	-941	-6.920	-3.815	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	-666	0.000	0.000	0.000
Operating1	-210	-213	-666	-5.230	18.497	0.000

Support load summary for guide at node 158						
Load combination	fx (N)	fy (N)	fz (N)	Displacements (global)		
				X (mm)	Y (mm)	Z (mm)
Operating2	205	148	-666	0.853	-3.016	0.000
Maximum	205	148	-666	0.853	18.497	0.000
Minimum	-210	-213	-666	-5.230	-3.016	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	-1029	0.000	0.000	0.000
Operating1	-309	-18	-1029	-5.595	14.340	0.000
Operating2	309	20	-1029	0.911	-2.336	0.000
Maximum	309	20	-1029	0.911	14.340	0.000
Minimum	-309	-18	-1029	-5.595	-2.336	0.000
Support load summary for guide at node 168						
Load combination	fx (N)	fy (N)	fz (N)	Displacements (global)		
				X (mm)	Y (mm)	Z (mm)
Sustained	0	0	-983	0.000	0.000	0.000
Operating1	-295	0	-983	-3.723	9.542	0.000
Operating2	295	0	-983	0.601	-1.540	0.000
Maximum	295	0	-983	0.601	9.542	0.000
Minimum	-295	0	-983	-3.723	-1.540	0.000
Support load summary for guide at node 172						
Load combination	fx (N)	fy (N)	fz (N)	Displacements (global)		
				X (mm)	Y (mm)	Z (mm)
Sustained	0	0	-980	0.000	0.000	0.000
Operating1	-294	0	-980	-1.858	4.762	0.000
Operating2	294	0	-980	0.297	-0.761	0.000
Maximum	294	0	-980	0.297	4.762	0.000
Minimum	-294	0	-980	-1.858	-0.761	0.000
Support load summary for guide at node 176						
Load combination	fx (N)	fy (N)	fz (N)	Displacements (global)		
				X (mm)	Y (mm)	Z (mm)
Sustained	0	0	-979	0.000	0.000	0.000
Operating1	-269	1	-979	0.000	0.000	0.000
Operating2	117	-2	-979	0.000	0.000	0.000
Maximum	117	1	-979	0.000	0.000	0.000
Minimum	-269	-2	-979	0.000	0.000	0.000
Support load summary for guide at node 180						
Load combination	fx (N)	fy (N)	fz (N)	Displacements (global)		
				X (mm)	Y (mm)	Z (mm)
Sustained	0	0	-965	0.000	0.000	0.000
Operating1	289	-19	-965	1.855	-4.754	0.000

Support load summary for guide at node 180						
Load combination	fx (N)	fy (N)	fz (N)	Displacements (global)		
				X (mm)	Y (mm)	Z (mm)
Operating2	-290	-74	-965	-0.296	0.758	0.000
Maximum	289	0	-965	1.855	0.758	0.000
Minimum	-290	-74	-965	-0.296	-4.754	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	-978	0.000	0.000	0.000
Operating1	313	-367	-978	5.710	-8.493	0.000
Operating2	-301	228	-978	-0.339	0.504	0.000
Maximum	313	228	-978	5.710	0.504	0.000
Minimum	-301	-367	-978	-0.339	-8.493	0.000
Support load summary for guide at node 194						
Load combination	fx (N)	fy (N)	fz (N)	Displacements (global)		
				X (mm)	Y (mm)	Z (mm)
Sustained	0	0	-922	0.000	0.000	0.000
Operating1	278	77	-922	8.400	-12.495	0.000
Operating2	-277	9	-922	-0.783	1.165	0.000
Maximum	278	77	-922	8.400	1.165	0.000
Minimum	-277	0	-922	-0.783	-12.495	0.000
Support load summary for guide at node 198						
Load combination	fx (N)	fy (N)	fz (N)	Displacements (global)		
				X (mm)	Y (mm)	Z (mm)
Sustained	0	0	-919	0.000	0.000	0.000
Operating1	276	-28	-919	11.099	-16.510	0.000
Operating2	-276	0	-919	-1.237	1.840	0.000
Maximum	276	0	-919	11.099	1.840	0.000
Minimum	-276	-28	-919	-1.237	-16.510	0.000
Support load summary for guide at node 202						
Load combination	fx (N)	fy (N)	fz (N)	Displacements (global)		
				X (mm)	Y (mm)	Z (mm)
Sustained	0	0	-921	0.000	0.000	0.000
Operating1	277	57	-921	13.808	-20.539	0.000
Operating2	-276	-3	-921	-1.700	2.528	0.000
Maximum	277	57	-921	13.808	2.528	0.000
Minimum	-276	-3	-921	-1.700	-20.539	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	-960	0.000	0.000	0.000
Operating1	302	-309	-960	16.526	-24.581	0.000

Support load summary for guide at node 206						
Load combination	fx (N)	fy (N)	fz (N)	Displacements (global)		
				X (mm)	Y (mm)	Z (mm)
Operating2	-288	54	-960	-2.172	3.230	0.000
Maximum	302	54	-960	16.526	3.230	0.000
Minimum	-288	-309	-960	-2.172	-24.581	0.000
Support load summary for limit stop at node 14 (0.000,0.000,1.000)						
Load combination	Load (N)	Friction (N)	Displacements (global)			
			X (mm)	Y (mm)	Z (mm)	
Sustained	-964	0	0.000	0.000	0.000	
Operating1	-964	289	-9.235	20.088	0.000	
Operating2	-964	289	1.809	-3.750	0.000	
Maximum	-964	289	1.809	20.088	0.000	
Minimum	-964	0	-9.235	-3.750	0.000	
Support load summary for limit stop at node 20 (0.000,0.000,1.000)						
Load combination	Load (N)	Friction (N)	Displacements (global)			
			X (mm)	Y (mm)	Z (mm)	
Sustained	-1282	0	0.000	0.000	0.000	
Operating1	-1282	385	-17.342	12.801	0.000	
Operating2	-1282	385	3.252	-2.798	0.000	
Maximum	-1282	385	3.252	12.801	0.000	
Minimum	-1282	0	-17.342	-2.798	0.000	
Support load summary for limit stop at node 24 (0.000,0.000,1.000)						
Load combination	Load (N)	Friction (N)	Displacements (global)			
			X (mm)	Y (mm)	Z (mm)	
Sustained	-1211	0	0.000	0.000	0.000	
Operating1	-1211	363	-9.477	13.023	0.000	
Operating2	-1211	363	2.119	-2.650	0.000	
Maximum	-1211	363	2.119	13.023	0.000	
Minimum	-1211	0	-9.477	-2.650	0.000	
Support load summary for limit stop at node 28 (0.000,0.000,1.000)						
Load combination	Load (N)	Friction (N)	Displacements (global)			
			X (mm)	Y (mm)	Z (mm)	
Sustained	-1195	0	0.000	0.000	0.000	
Operating1	-1195	358	-7.825	7.983	0.000	
Operating2	-1195	358	1.747	-1.875	0.000	
Maximum	-1195	358	1.747	7.983	0.000	
Minimum	-1195	0	-7.825	-1.875	0.000	
Support load summary for limit stop at node 32 (0.000,0.000,1.000)						
Load combination	Load (N)	Friction (N)	Displacements (global)			
			X (mm)	Y (mm)	Z (mm)	
Sustained	-983	0	0.000	0.000	0.000	
Operating1	-983	295	-1.901	6.598	0.000	



Support load summary for limit stop at node 32 (0.000,0.000,1.000)					
Load combination	Load (N)	Friction (N)	Displacements (global)		
			X (mm)	Y (mm)	Z (mm)
Operating2	-983	295	0.437	-1.921	0.000
Maximum	-983	295	0.437	6.598	0.000
Minimum	-983	0	-1.901	-1.921	0.000
Support load summary for limit stop at node 36 (0.000,0.000,1.000)					
Load combination	Load (N)	Friction (N)	Displacements (global)		
			X (mm)	Y (mm)	Z (mm)
Sustained	-984	0	0.000	0.000	0.000
Operating1	-984	295	-0.857	5.334	0.000
Operating2	-984	295	0.241	-1.747	0.000
Maximum	-984	295	0.241	5.334	0.000
Minimum	-984	0	-0.857	-1.747	0.000
Support load summary for limit stop at node 40 (0.000,0.000,1.000)					
Load combination	Load (N)	Friction (N)	Displacements (global)		
			X (mm)	Y (mm)	Z (mm)
Sustained	-1195	0	0.000	0.000	0.000
Operating1	-1195	0	0.000	0.000	0.000
Operating2	-1195	358	0.481	-0.614	0.000
Maximum	-1195	358	0.481	0.000	0.000
Minimum	-1195	0	0.000	-0.614	0.000
Support load summary for limit stop at node 44 (0.000,0.000,1.000)					
Load combination	Load (N)	Friction (N)	Displacements (global)		
			X (mm)	Y (mm)	Z (mm)
Sustained	-1206	0	0.000	0.000	0.000
Operating1	-1206	362	2.748	-4.018	0.000
Operating2	-1206	0	0.000	0.000	0.000
Maximum	-1206	362	2.748	0.000	0.000
Minimum	-1206	0	0.000	-4.018	0.000
Support load summary for limit stop at node 48 (0.000,0.000,1.000)					
Load combination	Load (N)	Friction (N)	Displacements (global)		
			X (mm)	Y (mm)	Z (mm)
Sustained	-1207	0	0.000	0.000	0.000
Operating1	-1207	362	5.558	-8.014	0.000
Operating2	-1207	362	-0.446	0.644	0.000
Maximum	-1207	362	5.558	0.644	0.000
Minimum	-1207	0	-0.446	-8.014	0.000
Support load summary for limit stop at node 52 (0.000,0.000,1.000)					
Load combination	Load (N)	Friction (N)	Displacements (global)		
			X (mm)	Y (mm)	Z (mm)
Sustained	-1207	0	0.000	0.000	0.000
Operating1	-1207	362	8.328	-12.057	0.000

Support load summary for limit stop at node 52 (0.000,0.000,1.000)					
Load combination	Load (N)	Friction (N)	Displacements (global)		
			X (mm)	Y (mm)	Z (mm)
Operating2	-1207	362	-0.901	1.302	0.000
Maximum	-1207	362	8.328	1.302	0.000
Minimum	-1207	0	-0.901	-12.057	0.000
Support load summary for limit stop at node 56 (0.000,0.000,1.000)					
Load combination	Load (N)	Friction (N)	Displacements (global)		
			X (mm)	Y (mm)	Z (mm)
Sustained	-1207	0	0.000	0.000	0.000
Operating1	-1207	362	11.193	-16.053	0.000
Operating2	-1207	362	-1.368	1.972	0.000
Maximum	-1207	362	11.193	1.972	0.000
Minimum	-1207	0	-1.368	-16.053	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	-1205	0	0.000	0.000	0.000
Operating1	-1205	362	13.717	-20.306	0.000
Operating2	-1205	362	-1.824	2.668	0.000
Maximum	-1205	362	13.717	2.668	0.000
Minimum	-1205	0	-1.824	-20.306	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	-1190	0	0.000	0.000	0.000
Operating1	-1190	357	17.734	-23.545	0.000
Operating2	-1190	357	-2.437	3.275	0.000
Maximum	-1190	357	17.734	3.275	0.000
Minimum	-1190	0	-2.437	-23.545	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	-391	0	0.000	0.000	0.000
Operating1	-391	117	15.956	-30.808	0.000
Operating2	-391	117	-2.185	4.503	0.000
Maximum	-391	117	15.956	4.503	0.000
Minimum	-391	0	-2.185	-30.808	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	-614	0	0.000	0.000	0.000
Operating1	-614	184	15.452	-28.084	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	-614	184	-2.096	4.011	0.000
Maximum	-614	184	15.452	4.011	0.000
Minimum	-614	0	-2.096	-28.084	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	-788	0	0.000	0.000	0.000
Operating1	-788	237	-8.897	18.225	0.000
Operating2	-788	237	0.982	-2.333	0.000
Maximum	-788	237	0.982	18.225	0.000
Minimum	-788	0	-8.897	-2.333	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	-753	0	0.000	0.000	0.000
Operating1	-753	226	-10.155	20.529	0.000
Operating2	-753	226	1.456	-3.184	0.000
Maximum	-753	226	1.456	20.529	0.000
Minimum	-753	0	-10.155	-3.184	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	-921	0	0.000	0.000	0.000
Operating1	-921	276	-12.029	12.387	0.000
Operating2	-921	276	1.681	-1.847	0.000
Maximum	-921	276	1.681	12.387	0.000
Minimum	-921	0	-12.029	-1.847	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	-930	0	0.000	0.000	0.000
Operating1	-930	279	-7.677	9.583	0.000
Operating2	-930	279	1.051	-1.268	0.000
Maximum	-930	279	1.051	9.583	0.000
Minimum	-930	0	-7.677	-1.268	0.000
Support load summary for limit stop at node 92 (0.000,0.000,1.000)					
Load combination	Load (N)	Friction (N)	Displacements (global)		
			X (mm)	Y (mm)	Z (mm)
Sustained	-930	0	0.000	0.000	0.000
Operating1	-930	279	-4.738	5.624	0.000

Support load summary for limit stop at node 92 (0.000,0.000,1.000)					
Load combination	Load (N)	Friction (N)	Displacements (global)		
			X (mm)	Y (mm)	Z (mm)
Operating2	-930	279	0.522	-0.626	0.000
Maximum	-930	279	0.522	5.624	0.000
Minimum	-930	0	-4.738	-0.626	0.000
Support load summary for limit stop at node 96 (0.000,0.000,1.000)					
Load combination	Load (N)	Friction (N)	Displacements (global)		
			X (mm)	Y (mm)	Z (mm)
Sustained	-930	0	0.000	0.000	0.000
Operating1	-930	279	-1.582	1.866	0.000
Operating2	-930	0	0.000	0.000	0.000
Maximum	-930	279	0.000	1.866	0.000
Minimum	-930	0	-1.582	0.000	0.000
Support load summary for limit stop at node 100 (0.000,0.000,1.000)					
Load combination	Load (N)	Friction (N)	Displacements (global)		
			X (mm)	Y (mm)	Z (mm)
Sustained	-932	0	0.000	0.000	0.000
Operating1	-932	280	1.833	-1.660	0.000
Operating2	-932	280	-0.534	0.622	0.000
Maximum	-932	280	1.833	0.622	0.000
Minimum	-932	0	-0.534	-1.660	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	-784	0	0.000	0.000	0.000
Operating1	-784	235	19.174	3.202	0.000
Operating2	-784	235	-3.010	0.199	0.000
Maximum	-784	235	19.174	3.202	0.000
Minimum	-784	0	-3.010	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	-363	0	0.000	0.000	0.000
Operating1	-363	109	29.066	9.632	0.000
Operating2	-363	109	-5.429	-1.503	0.000
Maximum	-363	109	29.066	9.632	0.000
Minimum	-363	0	-5.429	-1.503	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	-803	0	0.000	0.000	0.000
Operating1	-803	241	29.479	10.177	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	-803	241	-5.121	-1.755	0.000
Maximum	-803	241	29.479	10.177	0.000
Minimum	-803	0	-5.121	-1.755	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	-952	0	0.000	0.000	0.000
Operating1	-952	286	10.511	5.926	0.000
Operating2	-952	286	-0.350	-0.879	0.000
Maximum	-952	286	10.511	5.926	0.000
Minimum	-952	0	-0.350	-0.879	0.000
Support load summary for limit stop at node 120 (0.000,0.000,1.000)					
Load combination	Load (N)	Friction (N)	Displacements (global)		
			X (mm)	Y (mm)	Z (mm)
Sustained	-876	0	0.000	0.000	0.000
Operating1	-876	263	0.559	-2.416	0.000
Operating2	-876	263	-0.040	0.416	0.000
Maximum	-876	263	0.559	0.416	0.000
Minimum	-876	0	-0.040	-2.416	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	-965	0	0.000	0.000	0.000
Operating1	-965	290	-0.478	-8.071	0.000
Operating2	-965	290	0.249	1.400	0.000
Maximum	-965	290	0.249	1.400	0.000
Minimum	-965	0	-0.478	-8.071	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	-312	0	0.000	0.000	0.000
Operating1	-312	94	0.678	-8.995	0.000
Operating2	-312	94	0.133	1.567	0.000
Maximum	-312	94	0.678	1.567	0.000
Minimum	-312	0	0.000	-8.995	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	-676	0	0.000	0.000	0.000
Operating1	-676	203	4.641	-5.399	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	-676	203	-0.547	1.135	0.000
Maximum	-676	203	4.641	1.135	0.000
Minimum	-676	0	-0.547	-5.399	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	-1128	0	0.000	0.000	0.000
Operating1	-1128	339	5.936	7.439	0.000
Operating2	-1128	339	-0.416	-0.244	0.000
Maximum	-1128	339	5.936	7.439	0.000
Minimum	-1128	0	-0.416	-0.244	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	-668	0	0.000	0.000	0.000
Operating1	-668	200	-2.361	22.130	0.000
Operating2	-668	200	0.434	-3.262	0.000
Maximum	-668	200	0.434	22.130	0.000
Minimum	-668	0	-2.361	-3.262	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	-807	0	0.000	0.000	0.000
Operating1	-807	242	-7.307	25.637	0.000
Operating2	-807	242	1.284	-4.218	0.000
Maximum	-807	242	1.284	25.637	0.000
Minimum	-807	0	-7.307	-4.218	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	-986	0	0.000	0.000	0.000
Operating1	-986	296	-5.274	21.100	0.000
Operating2	-986	296	0.701	-3.504	0.000
Maximum	-986	296	0.701	21.100	0.000
Minimum	-986	0	-5.274	-3.504	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	-690	0	0.000	0.000	0.000
Operating1	-690	207	-5.975	16.963	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	-690	207	1.237	-2.675	0.000
Maximum	-690	207	1.237	16.963	0.000
Minimum	-690	0	-5.975	-2.675	0.000
Support load summary for limit stop at node 166 (0.000,0.000,1.000)					
Load combination	Load (N)	Friction (N)	Displacements (global)		
			X (mm)	Y (mm)	Z (mm)
Sustained	-967	0	0.000	0.000	0.000
Operating1	-967	290	-4.663	11.937	0.000
Operating2	-967	290	0.723	-1.948	0.000
Maximum	-967	290	0.723	11.937	0.000
Minimum	-967	0	-4.663	-1.948	0.000
Support load summary for limit stop at node 170 (0.000,0.000,1.000)					
Load combination	Load (N)	Friction (N)	Displacements (global)		
			X (mm)	Y (mm)	Z (mm)
Sustained	-979	0	0.000	0.000	0.000
Operating1	-979	294	-2.788	7.151	0.000
Operating2	-979	294	0.449	-1.148	0.000
Maximum	-979	294	0.449	7.151	0.000
Minimum	-979	0	-2.788	-1.148	0.000
Support load summary for limit stop at node 174 (0.000,0.000,1.000)					
Load combination	Load (N)	Friction (N)	Displacements (global)		
			X (mm)	Y (mm)	Z (mm)
Sustained	-980	0	0.000	0.000	0.000
Operating1	-980	294	-0.945	2.373	0.000
Operating2	-980	294	0.148	-0.378	0.000
Maximum	-980	294	0.148	2.373	0.000
Minimum	-980	0	-0.945	-0.378	0.000
Support load summary for limit stop at node 178 (0.000,0.000,1.000)					
Load combination	Load (N)	Friction (N)	Displacements (global)		
			X (mm)	Y (mm)	Z (mm)
Sustained	-984	0	0.000	0.000	0.000
Operating1	-984	295	1.226	-2.258	0.000
Operating2	-984	295	-0.133	0.382	0.000
Maximum	-984	295	1.226	0.382	0.000
Minimum	-984	0	-0.133	-2.258	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	-1037	0	0.000	0.000	0.000
Operating1	-1037	311	-2.763	-9.303	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	-1037	311	0.361	1.458	0.000
Maximum	-1037	311	0.361	1.458	0.000
Minimum	-1037	0	-2.763	-9.303	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	-697	0	0.000	0.000	0.000
Operating1	-697	209	-10.606	-15.113	0.000
Operating2	-697	209	5.680	3.982	0.000
Maximum	-697	209	5.680	3.982	0.000
Minimum	-697	0	-10.606	-15.113	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	-624	0	0.000	0.000	0.000
Operating1	-624	187	-7.987	-14.805	0.000
Operating2	-624	187	5.291	3.815	0.000
Maximum	-624	187	5.291	3.815	0.000
Minimum	-624	0	-7.987	-14.805	0.000
Support load summary for limit stop at node 192 (0.000,0.000,1.000)					
Load combination	Load (N)	Friction (N)	Displacements (global)		
			X (mm)	Y (mm)	Z (mm)
Sustained	-902	0	0.000	0.000	0.000
Operating1	-902	271	9.375	-8.932	0.000
Operating2	-902	271	-0.891	0.610	0.000
Maximum	-902	271	9.375	0.610	0.000
Minimum	-902	0	-0.891	-8.932	0.000
Support load summary for limit stop at node 196 (0.000,0.000,1.000)					
Load combination	Load (N)	Friction (N)	Displacements (global)		
			X (mm)	Y (mm)	Z (mm)
Sustained	-917	0	0.000	0.000	0.000
Operating1	-917	275	9.338	-14.777	0.000
Operating2	-917	275	-1.003	1.505	0.000
Maximum	-917	275	9.338	1.505	0.000
Minimum	-917	0	-1.003	-14.777	0.000
Support load summary for limit stop at node 200 (0.000,0.000,1.000)					
Load combination	Load (N)	Friction (N)	Displacements (global)		
			X (mm)	Y (mm)	Z (mm)
Sustained	-917	0	0.000	0.000	0.000
Operating1	-917	275	12.213	-18.684	0.000



Support load summary for limit stop at node 200 (0.000,0.000,1.000)					
Load combination	Load (N)	Friction (N)	Displacements (global)		
			X (mm)	Y (mm)	Z (mm)
Operating2	-917	275	-1.456	2.190	0.000
Maximum	-917	275	12.213	2.190	0.000
Minimum	-917	0	-1.456	-18.684	0.000
Support load summary for limit stop at node 204 (0.000,0.000,1.000)					
Load combination	Load (N)	Friction (N)	Displacements (global)		
			X (mm)	Y (mm)	Z (mm)
Sustained	-907	0	0.000	0.000	0.000
Operating1	-907	272	16.698	-21.528	0.000
Operating2	-907	272	-2.070	2.786	0.000
Maximum	-907	272	16.698	2.786	0.000
Minimum	-907	0	-2.070	-21.528	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	-738	0	0.000	0.000	0.000
Operating1	-738	221	12.694	-30.100	0.000
Operating2	-738	221	-1.588	4.140	0.000
Maximum	-738	221	12.694	4.140	0.000
Minimum	-738	0	-1.588	-30.100	0.000
Support load summary for limit stop at node 212 (0.000,0.000,1.000)					
Load combination	Load (N)	Friction (N)	Displacements (global)		
			X (mm)	Y (mm)	Z (mm)
Sustained	-236	0	0.000	0.000	0.000
Operating1	-236	71	12.708	-26.989	0.000
Operating2	-236	71	-1.554	3.626	0.000
Maximum	-236	71	12.708	3.626	0.000
Minimum	-236	0	-1.554	-26.989	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	-677	0	0.000	0.000	0.000
Operating1	-677	203	3.836	-9.326	0.000
Operating2	-677	203	-0.210	0.874	0.000
Maximum	-677	203	3.836	0.874	0.000
Minimum	-677	0	-0.210	-9.326	0.000
Support load summary for limit stop at node 98 (0.640,-0.768,0.000)					
Load combination	Load (N)	Friction (N)	Displacements (global)		
			X (mm)	Y (mm)	Z (mm)
Sustained	0	0	0.000	0.000	0.000
Operating1	0	0	0.000	0.000	0.000

Support load summary for limit stop at node 98 (0.640,-0.768,0.000)						
Load combination	Load (N)	Friction (N)	Displacements (global)			
			X (mm)	Y (mm)	Z (mm)	
Operating2	0	0	-0.261	0.313	0.000	
Maximum	0	0	0.000	0.313	0.000	
Minimum	0	0	-0.261	0.000	0.000	
Support load summary for limit stop at node 154 (0.286,-0.958,0.000)						
Load combination	Load (N)	Friction (N)	Displacements (global)			
			X (mm)	Y (mm)	Z (mm)	
Sustained	0	0	0.000	0.000	0.000	
Operating1	0	0	-6.920	23.178	0.000	
Operating2	0	0	1.139	-3.815	0.000	
Maximum	0	0	1.139	23.178	0.000	
Minimum	0	0	-6.920	-3.815	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	0.0066	0.0000
14	0.000	0.000	0.000	0.0195	-0.0112	0.0000
16A	0.000	0.000	0.235	0.0161	-0.0057	0.0000
16B	0.000	0.000	0.248	0.0155	-0.0037	0.0000
18	0.000	0.000	0.000	0.0194	0.0006	0.0000
20	0.000	0.000	0.000	0.0033	-0.0102	0.0000
22	0.000	0.000	0.000	0.0059	-0.0052	0.0000
24	0.000	0.000	0.000	0.0034	-0.0045	0.0000
26	0.000	0.000	0.000	0.0025	-0.0025	0.0000
28	0.000	0.000	0.000	0.0004	-0.0015	0.0000
30	0.000	0.000	0.000	0.0014	0.0021	0.0000
32	0.000	0.000	0.000	-0.0088	-0.0038	0.0000
34	0.000	0.000	0.049	-0.0022	0.0028	0.0000
36	0.000	0.000	0.000	0.0051	0.0088	0.0000
38	0.000	0.000	0.000	-0.0057	0.0040	0.0000
40	0.000	0.000	0.000	-0.0044	0.0076	0.0000
42	0.000	0.000	0.000	-0.0064	0.0089	0.0000
44	0.000	0.000	0.000	-0.0074	0.0108	0.0000
46	0.000	0.000	0.000	-0.0087	0.0126	0.0000
48	0.000	0.000	0.000	-0.0100	0.0144	0.0000
50	0.000	0.000	0.000	-0.0112	0.0162	0.0000
52	0.000	0.000	0.000	-0.0125	0.0181	0.0000
54	0.000	0.000	0.000	-0.0138	0.0199	0.0000
56	0.000	0.000	0.000	-0.0150	0.0217	0.0000
58	0.000	0.000	0.000	-0.0163	0.0235	0.0000
60	0.000	0.000	0.000	-0.0176	0.0253	0.0000
62	0.000	0.000	0.000	-0.0186	0.0273	0.0000
64	0.000	0.000	0.000	-0.0208	0.0284	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	-0.0185	0.0327	0.0000
68	0.000	0.000	0.000	-0.0613	0.0085	0.0000
70A	0.000	0.000	0.309	-0.0614	0.0090	0.0000
70B	0.000	0.000	0.312	-0.0608	0.0136	0.0000
72	0.000	0.000	0.000	-0.0611	0.0166	0.0000
74	0.000	0.000	0.000	-0.0176	-0.0218	0.0000
76	0.000	0.000	0.000	-0.0020	-0.0179	0.0000
78A	0.000	0.000	0.031	-0.0077	-0.0012	0.0000
78B	0.000	0.000	0.034	-0.0063	0.0022	0.0000
80	0.000	0.000	0.000	0.0065	0.0130	0.0000
82	0.000	0.000	0.000	-0.0046	-0.0001	0.0000
84	0.000	0.000	0.000	-0.0020	0.0040	0.0000
86	0.000	0.000	0.000	-0.0039	0.0043	0.0000
88	0.000	0.000	0.000	-0.0046	0.0057	0.0000
90	0.000	0.000	0.000	-0.0056	0.0067	0.0000
92	0.000	0.000	0.000	-0.0066	0.0079	0.0000
94	0.000	0.000	0.000	-0.0075	0.0090	0.0000
96	0.000	0.000	0.000	-0.0084	0.0102	0.0000
98	0.000	0.000	0.000	-0.0095	0.0112	0.0000
100	0.000	0.000	0.000	-0.0102	0.0126	0.0000
102	0.000	0.000	0.000	-0.0120	0.0130	0.0000
104	0.000	0.000	0.000	-0.0097	0.0168	0.0000
106	0.000	0.000	0.000	-0.0227	0.0079	0.0000
108	0.000	0.000	0.000	-0.0117	0.0181	0.0000
110A	0.000	0.000	-0.074	-0.0112	0.0191	0.0000
110B	0.000	0.000	-0.070	-0.0106	0.0193	0.0000
112	0.000	0.000	0.000	0.0065	0.0220	0.0000
114	0.000	0.000	0.000	-0.0045	0.0249	0.0000
116	0.000	0.000	0.000	-0.0025	0.0290	0.0000
118	0.000	0.000	0.000	-0.0017	0.0330	0.0000
120	0.000	0.000	0.000	-0.0093	0.0363	0.0000
122	0.000	0.000	0.000	0.0182	0.0428	0.0000
124	0.000	0.000	0.000	-0.0354	0.0427	0.0000
126A	0.000	0.000	0.226	-0.0071	0.0464	0.0000
126B	0.000	0.000	0.224	-0.0035	0.0470	0.0000
128	0.000	0.000	0.000	0.0020	0.0465	0.0000
130	0.000	0.000	0.000	-0.0089	0.0365	0.0000
132	0.000	0.000	0.000	-0.0307	0.0231	0.0000
134A	0.000	0.000	0.405	-0.0368	0.0193	0.0000
134B	0.000	0.000	0.428	-0.0437	0.0129	0.0000
136	0.000	0.000	0.000	-0.0525	0.0227	0.0000
138A	0.000	0.000	-1.456	-0.0665	0.0283	0.0000
138B	0.000	0.000	-1.414	-0.0703	0.0231	0.0000
140	0.000	0.000	0.000	-0.0106	0.0405	0.0000
142A	0.000	0.000	-1.466	0.0491	0.0578	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	-1.509	0.0426	0.0607	0.0000
144	0.000	0.000	0.000	0.0333	0.0493	0.0000
146A	0.000	0.000	0.460	0.0310	0.0363	0.0000
146B	0.000	0.000	0.436	0.0223	0.0373	0.0000
148	0.000	0.000	0.000	0.0158	0.0366	0.0000
150	0.000	0.000	0.000	-0.0189	0.0304	0.0000
152	0.000	0.000	0.000	0.0006	0.0403	0.0000
154	0.000	0.000	0.000	-0.0173	0.0405	0.0000
156	0.000	0.000	0.000	-0.0063	0.0493	0.0000
158	0.000	0.000	0.000	-0.0370	0.0503	0.0000
160A	0.000	0.000	0.200	-0.0203	0.0573	0.0000
160B	0.000	0.000	0.200	-0.0187	0.0579	0.0000
162	0.000	0.000	0.000	-0.0012	0.0654	0.0000
164	0.000	0.000	0.000	-0.0289	0.0574	0.0000
166	0.000	0.000	0.000	-0.0227	0.0627	0.0000
168	0.000	0.000	0.000	-0.0256	0.0644	0.0000
170	0.000	0.000	0.000	-0.0261	0.0671	0.0000
172	0.000	0.000	0.000	-0.0272	0.0695	0.0000
174	0.000	0.000	0.000	-0.0281	0.0720	0.0000
176	0.000	0.000	0.000	-0.0292	0.0744	0.0000
178	0.000	0.000	0.000	-0.0296	0.0772	0.0000
180	0.000	0.000	0.000	-0.0327	0.0788	0.0000
182	0.000	0.000	0.000	-0.0255	0.0845	0.0000
184	0.000	0.000	0.000	-0.0572	0.0749	0.0000
186A	0.000	0.000	0.287	-0.0433	0.0810	0.0000
186B	0.000	0.000	0.287	-0.0410	0.0822	0.0000
188	0.000	0.000	0.000	-0.0299	0.0876	0.0000
190	0.000	0.000	0.000	-0.0513	0.0648	0.0000
192	0.000	0.000	0.000	-0.0407	0.0636	0.0000
194	0.000	0.000	0.000	-0.0386	0.0566	0.0000
196	0.000	0.000	0.000	-0.0343	0.0512	0.0000
198	0.000	0.000	0.000	-0.0305	0.0454	0.0000
200	0.000	0.000	0.000	-0.0267	0.0396	0.0000
202	0.000	0.000	0.000	-0.0225	0.0340	0.0000
204	0.000	0.000	0.000	-0.0199	0.0274	0.0000
206	0.000	0.000	0.000	-0.0113	0.0248	0.0000
208	0.000	0.000	0.000	-0.0250	0.0073	0.0000
210A	0.000	0.000	0.131	-0.0145	0.0125	0.0000
210B	0.000	0.000	0.097	-0.0128	0.0112	0.0000
212	0.000	0.000	0.000	-0.0118	0.0103	0.0000
214	0.000	0.000	0.000	-0.0001	-0.0044	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	2.083	1.667	0.000	-0.0001	0.0066	0.1474
14	-9.235	20.088	0.000	0.0195	-0.0112	0.2588
16A	-10.780	22.823	0.235	0.0161	-0.0057	0.1673
16B	-10.889	22.650	0.248	0.0155	-0.0037	-0.2347
18	-15.198	17.872	0.000	0.0194	0.0006	-0.2413
20	-17.342	12.801	0.000	0.0033	-0.0102	0.0459
22	-12.001	14.108	0.000	0.0059	-0.0052	0.0567
24	-9.477	13.023	0.000	0.0034	-0.0045	-0.0095
26	-8.814	10.362	0.000	0.0025	-0.0025	-0.0183
28	-7.825	7.983	0.000	0.0004	-0.0015	-0.0033
30	-5.638	6.628	0.000	0.0014	0.0021	0.0315
32	-1.901	6.598	0.000	-0.0088	-0.0038	0.0324
34	-1.003	6.256	0.049	-0.0022	0.0028	0.0010
36	-0.857	5.334	0.000	0.0051	0.0088	-0.0293
38	-1.386	2.002	0.000	-0.0057	0.0040	-0.0190
40	0.000	0.000	0.000	-0.0044	0.0076	0.0051
42	1.384	-2.000	0.000	-0.0064	0.0089	-0.0016
44	2.748	-4.018	0.000	-0.0074	0.0108	0.0003
46	4.160	-6.009	0.000	-0.0087	0.0126	0.0003
48	5.558	-8.014	0.000	-0.0100	0.0144	0.0000
50	6.945	-10.031	0.000	-0.0112	0.0162	-0.0002
52	8.328	-12.057	0.000	-0.0125	0.0181	-0.0001
54	9.739	-14.067	0.000	-0.0138	0.0199	0.0007
56	11.193	-16.053	0.000	-0.0150	0.0217	0.0006
58	12.542	-18.117	0.000	-0.0163	0.0235	-0.0032
60	13.717	-20.306	0.000	-0.0176	0.0253	-0.0026
62	15.355	-22.179	0.000	-0.0186	0.0273	0.0136
64	17.734	-23.545	0.000	-0.0208	0.0284	0.0107
66	18.177	-26.256	0.000	-0.0185	0.0327	-0.0566
68	15.956	-30.808	0.000	-0.0613	0.0085	0.0300
70A	16.369	-30.816	0.309	-0.0614	0.0090	0.0704
70B	16.511	-30.112	0.312	-0.0608	0.0136	0.3144
72	15.452	-28.084	0.000	-0.0611	0.0166	0.3519
74	0.000	0.000	0.000	-0.0176	-0.0218	0.3860
76	-8.897	18.225	0.000	-0.0020	-0.0179	0.1763
78A	-10.111	21.497	0.031	-0.0077	-0.0012	0.1193
78B	-10.014	21.687	0.034	-0.0063	0.0022	-0.0056
80	-10.155	20.529	0.000	0.0065	0.0130	-0.0632
82	-12.865	14.914	0.000	-0.0046	-0.0001	-0.0598
84	-12.029	12.387	0.000	-0.0020	0.0040	0.0150
86	-9.444	11.324	0.000	-0.0039	0.0043	0.0135
88	-7.677	9.583	0.000	-0.0046	0.0057	-0.0028
90	-6.285	7.536	0.000	-0.0056	0.0067	-0.0024
92	-4.738	5.624	0.000	-0.0066	0.0079	0.0006

Displacements: Operating (W+P1+T1)						
Node	Displacements (global)					
	X (mm)	Y (mm)	Z (mm)	XX (deg)	YY (deg)	ZZ (deg)
94	-3.137	3.761	0.000	-0.0075	0.0090	0.0002
96	-1.582	1.866	0.000	-0.0084	0.0102	-0.0006
98	0.000	0.000	0.000	-0.0095	0.0112	0.0022
100	1.833	-1.660	0.000	-0.0102	0.0126	0.0076
102	3.140	-3.765	0.000	-0.0120	0.0130	-0.0325
104	4.714	-5.652	0.000	-0.0097	0.0168	0.1083
106	19.174	3.202	0.000	-0.0227	0.0079	0.3203
108	29.066	9.632	0.000	-0.0117	0.0181	0.2279
110A	31.903	11.118	-0.074	-0.0112	0.0191	0.0849
110B	31.941	11.087	-0.070	-0.0106	0.0193	-0.0552
112	29.479	10.177	0.000	0.0065	0.0220	-0.1942
114	10.511	5.926	0.000	-0.0045	0.0249	-0.2624
116	-0.229	2.447	0.000	-0.0025	0.0290	-0.0574
118	0.000	0.000	0.000	-0.0017	0.0330	0.0181
120	0.559	-2.416	0.000	-0.0093	0.0363	-0.0009
122	0.459	-4.898	0.000	0.0182	0.0428	-0.0144
124	-0.478	-8.071	0.000	-0.0354	0.0427	0.0057
126A	-0.185	-8.626	0.226	-0.0071	0.0464	0.0256
126B	-0.166	-8.641	0.224	-0.0035	0.0470	0.0332
128	0.678	-8.995	0.000	0.0020	0.0465	0.0493
130	3.051	-10.218	0.000	-0.0089	0.0365	-0.0004
132	3.581	-11.995	0.000	-0.0307	0.0231	0.0633
134A	5.267	-12.067	0.405	-0.0368	0.0193	0.1447
134B	5.740	-11.252	0.428	-0.0437	0.0129	0.3563
136	4.641	-5.399	0.000	-0.0525	0.0227	0.4044
138A	2.315	6.895	-1.456	-0.0665	0.0283	0.3506
138B	2.823	7.730	-1.414	-0.0703	0.0231	0.1663
140	5.936	7.439	0.000	-0.0106	0.0405	0.0214
142A	4.310	5.808	-1.466	0.0491	0.0578	-0.1664
142B	3.294	6.396	-1.509	0.0426	0.0607	-0.4562
144	-2.361	22.130	0.000	0.0333	0.0493	-0.5486
146A	-5.090	29.719	0.460	0.0310	0.0363	-0.4853
146B	-6.214	30.364	0.436	0.0223	0.0373	-0.2010
148	-8.260	29.214	0.000	0.0158	0.0366	-0.0989
150	-8.154	27.313	0.000	-0.0189	0.0304	0.0244
152	-7.307	25.637	0.000	0.0006	0.0403	-0.0057
154	-6.920	23.178	0.000	-0.0173	0.0405	0.0056
156	-5.274	21.100	0.000	-0.0063	0.0493	0.0111
158	-5.230	18.497	0.000	-0.0370	0.0503	-0.0356
160A	-5.714	17.728	0.200	-0.0203	0.0573	-0.0372
160B	-5.720	17.716	0.200	-0.0187	0.0579	-0.0355
162	-5.975	16.963	0.000	-0.0012	0.0654	-0.0238
164	-5.595	14.340	0.000	-0.0289	0.0574	-0.0003
166	-4.663	11.937	0.000	-0.0227	0.0627	0.0000
168	-3.723	9.542	0.000	-0.0256	0.0644	0.0001

Displacements: Operating (W+P1+T1)						
Node	Displacements (global)					
	X (mm)	Y (mm)	Z (mm)	XX (deg)	YY (deg)	ZZ (deg)
170	-2.788	7.151	0.000	-0.0261	0.0671	0.0000
172	-1.858	4.762	0.000	-0.0272	0.0695	-0.0001
174	-0.945	2.373	0.000	-0.0281	0.0720	-0.0004
176	0.000	0.000	0.000	-0.0292	0.0744	0.0017
178	1.226	-2.258	0.000	-0.0296	0.0772	0.0074
180	1.855	-4.754	0.000	-0.0327	0.0788	-0.0315
182	-2.763	-9.303	0.000	-0.0255	0.0845	-0.1376
184	-10.606	-15.113	0.000	-0.0572	0.0749	-0.0445
186A	-10.393	-15.673	0.287	-0.0433	0.0810	0.0527
186B	-10.347	-15.671	0.287	-0.0410	0.0822	0.0909
188	-7.987	-14.805	0.000	-0.0299	0.0876	0.1830
190	5.710	-8.493	0.000	-0.0513	0.0648	0.1544
192	9.375	-8.932	0.000	-0.0407	0.0636	-0.0310
194	8.400	-12.495	0.000	-0.0386	0.0566	-0.0298
196	9.338	-14.777	0.000	-0.0343	0.0512	0.0069
198	11.099	-16.510	0.000	-0.0305	0.0454	0.0019
200	12.213	-18.684	0.000	-0.0267	0.0396	-0.0054
202	13.808	-20.539	0.000	-0.0225	0.0340	0.0200
204	16.698	-21.528	0.000	-0.0199	0.0274	0.0184
206	16.526	-24.581	0.000	-0.0113	0.0248	-0.0941
208	12.694	-30.100	0.000	-0.0250	0.0073	0.0056
210A	13.625	-30.113	0.131	-0.0145	0.0125	0.1027
210B	13.810	-29.240	0.097	-0.0128	0.0112	0.3817
212	12.708	-26.989	0.000	-0.0118	0.0103	0.4204
214	3.836	-9.326	0.000	-0.0001	-0.0044	0.4085
216	0.000	0.000	0.000	0.0000	0.0000	0.0000
Displacements: Operating (W+P2+T2)						
Node	Displacements (global)					
	X (mm)	Y (mm)	Z (mm)	XX (deg)	YY (deg)	ZZ (deg)
10	0.000	0.000	0.000	0.0000	0.0000	0.0000
12	-0.361	-0.289	0.000	-0.0001	0.0065	-0.0252
14	1.809	-3.750	0.000	0.0192	-0.0111	-0.0597
16A	2.221	-4.406	0.232	0.0158	-0.0057	-0.0450
16B	2.244	-4.415	0.244	0.0153	-0.0036	0.0409
18	3.024	-3.556	0.000	0.0191	0.0006	0.0429
20	3.252	-2.798	0.000	0.0033	-0.0101	-0.0091
22	2.471	-2.904	0.000	0.0058	-0.0052	-0.0062
24	2.119	-2.650	0.000	0.0034	-0.0045	0.0011
26	1.927	-2.265	0.000	0.0025	-0.0025	0.0017
28	1.747	-1.875	0.000	0.0004	-0.0015	0.0016
30	1.394	-1.639	0.000	0.0014	0.0021	-0.0080
32	0.437	-1.921	0.000	-0.0087	-0.0038	-0.0138
34	0.176	-1.960	0.048	-0.0021	0.0028	-0.0010
36	0.241	-1.747	0.000	0.0050	0.0087	0.0119

Displacements: Operating (W+P2+T2)						
Node	Displacements (global)					
	X (mm)	Y (mm)	Z (mm)	XX (deg)	YY (deg)	ZZ (deg)
38	0.668	-0.965	0.000	-0.0056	0.0039	0.0065
40	0.481	-0.614	0.000	-0.0044	0.0074	-0.0016
42	0.220	-0.318	0.000	-0.0063	0.0088	-0.0001
44	0.000	0.000	0.000	-0.0073	0.0107	0.0000
46	-0.222	0.321	0.000	-0.0086	0.0124	0.0000
48	-0.446	0.644	0.000	-0.0099	0.0142	0.0000
50	-0.673	0.972	0.000	-0.0111	0.0160	0.0000
52	-0.901	1.302	0.000	-0.0123	0.0178	0.0000
54	-1.133	1.636	0.000	-0.0136	0.0196	0.0000
56	-1.368	1.972	0.000	-0.0148	0.0214	0.0000
58	-1.602	2.313	0.000	-0.0160	0.0232	0.0002
60	-1.824	2.668	0.000	-0.0173	0.0249	0.0003
62	-2.080	3.004	0.000	-0.0183	0.0269	-0.0013
64	-2.437	3.275	0.000	-0.0205	0.0280	-0.0019
66	-2.567	3.708	0.000	-0.0182	0.0322	0.0089
68	-2.185	4.503	0.000	-0.0604	0.0084	-0.0054
70A	-2.259	4.504	0.305	-0.0605	0.0089	-0.0129
70B	-2.286	4.374	0.308	-0.0599	0.0134	-0.0570
72	-2.096	4.011	0.000	-0.0603	0.0163	-0.0616
74	0.000	0.000	0.000	-0.0173	-0.0215	-0.0430
76	0.982	-2.333	0.000	-0.0020	-0.0176	-0.0446
78A	1.455	-3.301	0.031	-0.0076	-0.0012	-0.0431
78B	1.437	-3.383	0.033	-0.0063	0.0021	-0.0031
80	1.456	-3.184	0.000	0.0064	0.0128	0.0123
82	1.912	-2.216	0.000	-0.0045	-0.0001	0.0087
84	1.681	-1.847	0.000	-0.0020	0.0039	-0.0025
86	1.325	-1.589	0.000	-0.0039	0.0042	-0.0006
88	1.051	-1.268	0.000	-0.0046	0.0056	0.0001
90	0.787	-0.944	0.000	-0.0056	0.0066	0.0000
92	0.522	-0.626	0.000	-0.0065	0.0078	0.0000
94	0.260	-0.311	0.000	-0.0074	0.0089	0.0000
96	0.000	0.000	0.000	-0.0083	0.0100	0.0000
98	-0.261	0.313	0.000	-0.0093	0.0111	0.0000
100	-0.534	0.622	0.000	-0.0100	0.0124	-0.0005
102	-0.791	0.949	0.000	-0.0118	0.0128	0.0021
104	-1.061	1.272	0.000	-0.0096	0.0166	-0.0076
106	-3.010	0.199	0.000	-0.0224	0.0078	-0.0657
108	-5.429	-1.503	0.000	-0.0116	0.0178	-0.0654
110A	-6.185	-1.981	-0.073	-0.0110	0.0188	-0.0197
110B	-6.179	-1.972	-0.069	-0.0104	0.0191	0.0315
112	-5.121	-1.755	0.000	0.0064	0.0217	0.0712
114	-0.350	-0.879	0.000	-0.0044	0.0246	0.0402
116	0.039	-0.417	0.000	-0.0025	0.0286	-0.0058
118	0.000	0.000	0.000	-0.0017	0.0326	0.0017
120	-0.040	0.416	0.000	-0.0092	0.0357	-0.0009



Displacements: Operating (W+P2+T2)						
Node	Displacements (global)					
	X (mm)	Y (mm)	Z (mm)	XX (deg)	YY (deg)	ZZ (deg)
122	-0.078	0.835	0.000	0.0180	0.0422	0.0021
124	0.249	1.400	0.000	-0.0349	0.0421	0.0049
126A	0.291	1.505	0.222	-0.0070	0.0457	-0.0006
126B	0.289	1.508	0.220	-0.0035	0.0464	-0.0039
128	0.133	1.567	0.000	0.0020	0.0459	-0.0108
130	-0.511	1.712	0.000	-0.0088	0.0359	-0.0062
132	-0.604	2.025	0.000	-0.0303	0.0228	0.0025
134A	-0.642	2.115	0.399	-0.0363	0.0190	-0.0071
134B	-0.698	2.016	0.422	-0.0431	0.0127	-0.0533
136	-0.547	1.135	0.000	-0.0518	0.0224	-0.0579
138A	-0.323	-0.381	-1.435	-0.0656	0.0279	-0.0357
138B	-0.364	-0.437	-1.394	-0.0694	0.0228	-0.0025
140	-0.416	-0.244	0.000	-0.0104	0.0399	-0.0076
142A	-0.767	-0.135	-1.445	0.0484	0.0570	0.0042
142B	-0.638	-0.222	-1.488	0.0420	0.0598	0.0790
144	0.434	-3.262	0.000	0.0328	0.0486	0.1148
146A	0.997	-4.886	0.453	0.0305	0.0358	0.1028
146B	1.200	-5.017	0.429	0.0220	0.0368	0.0250
148	1.376	-4.867	0.000	0.0156	0.0361	0.0069
150	1.354	-4.534	0.000	-0.0186	0.0300	-0.0006
152	1.284	-4.218	0.000	0.0006	0.0398	0.0010
154	1.139	-3.815	0.000	-0.0171	0.0399	-0.0031
156	0.701	-3.504	0.000	-0.0062	0.0486	-0.0040
158	0.853	-3.016	0.000	-0.0365	0.0496	0.0165
160A	1.120	-2.833	0.197	-0.0201	0.0565	0.0155
160B	1.123	-2.830	0.197	-0.0184	0.0571	0.0140
162	1.237	-2.675	0.000	-0.0012	0.0645	0.0054
164	0.911	-2.336	0.000	-0.0285	0.0566	-0.0037
166	0.723	-1.948	0.000	-0.0224	0.0618	0.0009
168	0.601	-1.540	0.000	-0.0252	0.0635	0.0001
170	0.449	-1.148	0.000	-0.0257	0.0662	0.0000
172	0.297	-0.761	0.000	-0.0268	0.0685	0.0000
174	0.148	-0.378	0.000	-0.0277	0.0710	0.0001
176	0.000	0.000	0.000	-0.0288	0.0734	-0.0002
178	-0.133	0.382	0.000	-0.0292	0.0761	0.0015
180	-0.296	0.758	0.000	-0.0323	0.0777	-0.0057
182	0.361	1.458	0.000	-0.0251	0.0833	0.0563
184	5.680	3.982	0.000	-0.0564	0.0739	0.0553
186A	6.149	4.270	0.283	-0.0427	0.0799	-0.0001
186B	6.141	4.269	0.283	-0.0404	0.0810	-0.0244
188	5.291	3.815	0.000	-0.0294	0.0864	-0.0793
190	-0.339	0.504	0.000	-0.0506	0.0639	-0.0591
192	-0.891	0.610	0.000	-0.0401	0.0627	0.0145
194	-0.783	1.165	0.000	-0.0381	0.0558	0.0009
196	-1.003	1.505	0.000	-0.0338	0.0505	-0.0002

Displacements: Operating (W+P2+T2)						
Node	Displacements (global)					
	X (mm)	Y (mm)	Z (mm)	XX (deg)	YY (deg)	ZZ (deg)
198	-1.237	1.840	0.000	-0.0301	0.0447	0.0000
200	-1.456	2.190	0.000	-0.0263	0.0390	0.0003
202	-1.700	2.528	0.000	-0.0222	0.0335	-0.0013
204	-2.070	2.786	0.000	-0.0196	0.0270	-0.0029
206	-2.172	3.230	0.000	-0.0112	0.0244	0.0129
208	-1.588	4.140	0.000	-0.0246	0.0072	0.0014
210A	-1.714	4.168	0.129	-0.0143	0.0123	-0.0150
210B	-1.747	4.020	0.095	-0.0126	0.0111	-0.0669
212	-1.554	3.626	0.000	-0.0116	0.0101	-0.0731
214	-0.210	0.874	0.000	-0.0001	-0.0043	-0.0494
216	0.000	0.000	0.000	0.0000	0.0000	0.0000