INSTITUTO SUPERIOR DE ENGENHARIA DE LISBOA

Área Departamental de Engenharia Civil

Projeto de Execução de um Viaduto Rodoviário Construído Tramo a Tramo

ANEXOS

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ANEXO A – Estado Limite de Esforço Transverso do Tabuleiro

x [m]	e [m]	$\sigma_{P0,a}$ [MPa]	$\sigma_{P0,a+rc}$ [MPa]	$P_{0,a+rc}$ [kN]
0,000	0,000	1069,356	1069,356	16168,669
0,410	-0,100	1071,997	1071,997	16208,601
0,820	-0,196	1074,645	1074,645	16248,630
1,230	-0,289	1077,299	1077,299	16288,759
1,640	-0,378	1079,959	1079,959	16328,986
2,050	-0,464	1082,627	1082,627	16369,313
2,460	-0,547	1085,300	1085,300	16409,740
2,870	-0,626	1087,981	1087,981	16450,266
3,280	-0,702	1090,668	1090,668	16490,893
3,690	-0,775	1093,361	1093,361	16531,620
4,100	-0,844	1096,061	1096,061	16572,447
4,582	-0,921	1099,247	1099,247	16620,608
5,065	-0,993	1102,441	1102,441	16668,910
5,547	-1,061	1105,645	1105,645	16717,352
6,029	-1,124	1108,858	1108,858	16765,934
6,512	-1,183	1112,081	1112,081	16814,657
6,994	-1,236	1115,312	1115,312	16863,523
7,476	-1,285	1118,554	1118,554	16912,530
7,959	-1,330	1121,804	1121,804	16961,680
8,441	-1,369	1125,064	1125,064	17010,973
8,924	-1,404	1128,334	1128,334	17060,408
9,406	-1,435	1131,613	1131,613	17109,988
9,888	-1,461	1134,902	1134,902	17159,712
10,371	-1,482	1138,200	1138,200	17209,580
10,853	-1,498	1141,507	1141,507	17259,592
11,335	-1,510	1144,825	1144,825	17309,750
11,818	-1,517	1148,152	1148,152	17360,055
12,300	-1,519	1151,488	1151,488	17410,505
12,756	-1,518	1153,863	1153,863	17446,411
13,211	-1,514	1156,243	1156,243	17482,390
13,667	-1,507	1158,627	1158,627	17518,444
14,122	-1,498	1161,017	1161,017	17554,572

x [m]	e [m]	$\sigma_{P0,a}$ [MPa]	$\sigma_{P0,a+rc}$ [MPa]	$P_{0,a+rc}$ [kN]
14,578	-1,486	1163,411	1163,411	17590,774
15,033	-1,472	1165,810	1165,810	17627,051
15,489	-1,455	1168,215	1168,215	17663,404
15,944	-1,435	1170,624	1170,624	17699,830
16,400	-1,413	1173,038	1173,038	17736,333
16,892	-1,386	1175,651	1175,651	17775,839
17,384	-1,356	1178,269	1178,269	17815,434
17,876	-1,323	1180,894	1180,894	17855,117
18,368	-1,287	1183,524	1183,524	17894,889
18,860	-1,248	1186,161	1186,161	17934,749
19,352	-1,205	1188,803	1188,803	17974,698
19,844	-1,160	1191,451	1191,451	18014,735
20,336	-1,112	1194,105	1194,105	18054,862
20,828	-1,060	1196,764	1196,764	18095,079
21,320	-1,006	1199,430	1199,430	18135,385
21,812	-0,948	1202,102	1202,102	18175,780
22,304	-0,888	1204,779	1204,779	18216,266
22,796	-0,824	1207,463	1207,463	18256,842
23,288	-0,758	1210,153	1210,153	18297,508
23,780	-0,688	1212,848	1212,848	18338,265
24,272	-0,615	1215,550	1215,550	18379,113
24,764	-0,539	1218,257	1218,257	18420,051
25,256	-0,460	1220,971	1220,971	18461,081
25,748	-0,379	1223,691	1223,691	18502,202
26,240	-0,294	1226,416	1226,416	18543,415
26,732	-0,206	1229,148	1229,148	18566,893
26,944	-0,165	1230,328	1227,969	18543,415
27,224	-0,114	1231,886	1226,416	18543,415
27,716	-0,020	1234,630	1223,691	18502,202
28,208	0,077	1237,380	1220,971	18461,081
28,700	0,177	1240,136	1220,598	18455,442
29,110	0,258	1246,298	1214,563	18364,192
29,520	0,330	1252,491	1208,558	18273,394

x [m]	e [m]	$\sigma_{P0,a}$ [MPa]	$\sigma_{P0,a+rc}$ [MPa]	$P_{0,a+rc}$ [kN]
29,930	0,393	1258,715	1202,582	18183,044
30,340	0,448	1264,969	1196,636	18093,141
30,750	0,495	1271,254	1190,720	18003,683
31,160	0,533	1277,571	1184,832	17914,667
31,570	0,563	1283,919	1178,974	17826,091
31,980	0,584	1290,299	1173,145	17737,953
32,390	0,597	1296,710	1167,345	17650,251
32,800	0,601	1303,154	1161,573	17562,982
33,210	0,597	1309,629	1155,830	17476,145
33,620	0,584	1316,136	1150,115	17389,738
34,030	0,563	1322,676	1144,428	17303,757
34,440	0,533	1329,248	1138,770	17218,202
34,850	0,495	1335,853	1133,140	17133,070
35,260	0,448	1342,491	1127,537	17048,358
35,670	0,393	1349,161	1121,962	16964,066
36,080	0,330	1355,865	1116,415	16880,190
36,490	0,258	1362,602	1110,895	16796,729
36,900	0,177	1369,373	1105,402	16713,677
37,356	0,084	1372,197	1103,127	16679,279
37,811	-0,006	1375,027	1100,857	16644,953
38,267	-0,094	1377,863	1098,591	16610,697
38,722	-0,179	1380,704	1096,330	16576,512
39,178	-0,261	1383,552	1094,074	16542,396
39,633	-0,341	1386,405	1091,822	16508,352
40,089	-0,418	1389,264	1089,575	16474,377
40,544	-0,493	1392,129	1087,333	16440,472
41,000	-0,565	1395,000	1085,095	16406,637
41,492	-0,640	1091,613	1091,613	16505,181
41,984	-0,711	1094,044	1094,044	16541,946
42,476	-0,780	1096,481	1096,481	16578,792
42,968	-0,846	1098,923	1098,923	16615,721
43,460	-0,908	1101,371	1101,371	16652,731
43,952	-0,968	1103,824	1103,824	16689,825

x [m]	e [m]	$\sigma_{P0,a}$ [MPa]	$\sigma_{P0,a+rc}$ [MPa]	$P_{0,a+rc}$ [kN]
44,444	-1,024	1106,283	1106,283	16727,000
44,936	-1,078	1108,747	1108,747	16764,259
45,428	-1,128	1111,217	1111,217	16801,601
45,920	-1,175	1113,692	1113,692	16839,025
46,412	-1,220	1116,173	1116,173	16876,533
46,904	-1,261	1118,659	1118,659	16914,125
47,396	-1,299	1121,151	1121,151	16951,801
47,888	-1,334	1123,648	1123,648	16989,560
48,380	-1,366	1126,151	1126,151	17027,403
48,872	-1,395	1128,659	1128,659	17065,331
49,364	-1,421	1131,173	1131,173	17103,343
49,856	-1,444	1133,693	1133,693	17141,440
50,348	-1,464	1136,218	1136,218	17179,622
50,840	-1,481	1138,749	1138,749	17217,889
51,332	-1,495	1141,286	1141,286	17256,241
51,824	-1,505	1143,828	1143,828	17294,678
52,316	-1,513	1146,376	1146,376	17333,201
52,808	-1,517	1148,929	1148,929	17371,810
53,300	-1,519	1151,488	1151,488	17410,505
53,797	-1,517	1154,079	1154,079	17449,678
54,294	-1,513	1156,676	1156,676	17488,940
54,791	-1,505	1159,278	1159,278	17528,289
55,288	-1,494	1161,887	1161,887	17567,728
55,785	-1,480	1164,501	1164,501	17607,255
56,282	-1,463	1167,121	1167,121	17646,871
56,779	-1,443	1169,747	1169,747	17686,576
57,276	-1,419	1172,379	1172,379	17726,370
57,773	-1,393	1175,017	1175,017	17766,254
58,270	-1,363	1177,661	1177,661	17806,228
58,767	-1,331	1180,310	1180,310	17846,292
59,264	-1,295	1182,966	1182,966	17886,445
59,761	-1,256	1185,628	1185,628	17926,689
60,258	-1,214	1188,295	1188,295	17967,024

x [m]	e [m]	$\sigma_{P0,a}$ [MPa]	$\sigma_{P0,a+rc}$ [MPa]	$P_{0,a+rc}$ [kN]
60,755	-1,169	1190,969	1190,969	18007,450
61,252	-1,120	1193,649	1193,649	18047,966
61,748	-1,069	1196,334	1196,334	18088,573
62,245	-1,014	1199,026	1199,026	18129,272
62,742	-0,957	1201,724	1201,724	18170,062
63,239	-0,896	1204,428	1204,428	18210,944
63,736	-0,832	1207,137	1207,137	18251,918
64,233	-0,765	1209,854	1209,854	18292,985
64,730	-0,695	1212,576	1212,576	18334,144
65,227	-0,622	1215,304	1215,304	18375,395
65,724	-0,546	1218,038	1218,038	18416,739
66,221	-0,466	1220,779	1220,779	18458,177
66,718	-0,384	1223,526	1223,526	18499,707
67,215	-0,298	1226,279	1226,279	18541,331
67,712	-0,209	1229,038	1229,038	18583,049
67,944	-0,168	1230,327	1227,749	18563,572
68,209	-0,117	1231,803	1226,279	18541,331
68,706	-0,022	1234,574	1223,526	18499,707
69,203	0,076	1237,352	1220,779	18458,177
69,700	0,177	1240,136	1220,598	18455,438
70,110	0,258	1250,171	1214,563	18364,189
70,520	0,330	1256,383	1208,558	18273,390
70,930	0,393	1262,626	1202,582	18183,041
71,340	0,448	1268,900	1196,636	18093,138
71,750	0,495	1275,205	1190,720	18003,680
72,160	0,533	1281,541	1184,832	17914,664
72,570	0,563	1287,909	1178,974	17826,088
72,980	0,584	1294,308	1173,145	17737,950
73,390	0,597	1300,740	1167,344	17650,248
73,800	0,601	1307,203	1161,573	17562,979
74,210	0,597	1313,698	1155,830	17476,142
74,620	0,584	1320,226	1150,115	17389,735
75,030	0,563	1326,786	1144,428	17303,754

x [m]	e [m]	$\sigma_{P0,a}$ [MPa]	$\sigma_{P0,a+rc}$ [MPa]	$P_{0,a+rc}$ [kN]
75,440	0,533	1333,378	1138,770	17218,199
75,850	0,495	1340,004	1133,139	17133,066
76,260	0,448	1346,662	1127,537	17048,355
76,670	0,393	1353,354	1121,962	16964,063
77,080	0,330	1360,078	1116,414	16880,187
77,490	0,258	1366,836	1110,895	16796,726
77,900	0,177	1369,373	1108,837	16765,611
78,356	0,084	1372,197	1106,555	16731,106
78,811	-0,006	1375,027	1104,277	16696,673
79,267	-0,094	1377,863	1102,005	16662,311
79,722	-0,179	1380,704	1099,737	16628,019
80,178	-0,261	1383,552	1097,473	16593,798
80,633	-0,341	1386,405	1095,215	16559,647
81,089	-0,418	1389,264	1092,961	16525,567
81,544	-0,493	1392,129	1090,711	16491,557
82,000	-0,565	1395,000	1085,095	16406,637
82,492	-0,640	1091,613	1091,613	16505,181
82,984	-0,711	1094,044	1094,044	16541,946
83,476	-0,780	1096,481	1096,481	16578,792
83,968	-0,846	1098,923	1098,923	16615,721
84,460	-0,908	1101,371	1101,371	16652,731
84,952	-0,968	1103,824	1103,824	16689,825
85,444	-1,024	1106,283	1106,283	16727,000
85,936	-1,078	1108,747	1108,747	16764,259
86,428	-1,128	1111,217	1111,217	16801,601
86,920	-1,175	1113,692	1113,692	16839,025
87,412	-1,220	1116,173	1116,173	16876,533
87,904	-1,261	1118,659	1118,659	16914,125
88,396	-1,299	1121,151	1121,151	16951,801
88,888	-1,334	1123,648	1123,648	16989,560
89,380	-1,366	1126,151	1126,151	17027,403
89,872	-1,395	1128,659	1128,659	17065,331
90,364	-1,421	1131,173	1131,173	17103,343

x [m]	e [m]	$\sigma_{P0,a}$ [MPa]	$\sigma_{P0,a+rc}$ [MPa]	$P_{0,a+rc}$ [kN]
90,856	-1,444	1133,693	1133,693	17141,440
91,348	-1,464	1136,218	1136,218	17179,622
91,840	-1,481	1138,749	1138,749	17217,889
92,332	-1,495	1141,286	1141,286	17256,241
92,824	-1,505	1143,828	1143,828	17294,678
93,316	-1,513	1146,376	1146,376	17333,201
93,808	-1,517	1148,929	1148,929	17371,810
94,300	-1,519	1151,488	1151,488	17410,505
94,797	-1,517	1154,079	1154,079	17449,678
95,294	-1,513	1156,676	1156,676	17488,940
95,791	-1,505	1159,278	1159,278	17528,289
96,288	-1,494	1161,887	1161,887	17567,728
96,785	-1,480	1164,501	1164,501	17607,255
97,282	-1,463	1167,121	1167,121	17646,871
97,779	-1,443	1169,747	1169,747	17686,576
98,276	-1,419	1172,379	1172,379	17726,370
98,773	-1,393	1175,017	1175,017	17766,254
99,270	-1,363	1177,661	1177,661	17806,228
99,767	-1,331	1180,310	1180,310	17846,292
100,264	-1,295	1182,966	1182,966	17886,445
100,761	-1,256	1185,628	1185,628	17926,689
101,258	-1,214	1188,295	1188,295	17967,024
101,755	-1,169	1190,969	1190,969	18007,450
102,252	-1,120	1193,649	1193,649	18047,966
102,748	-1,069	1196,334	1196,334	18088,573
103,245	-1,014	1199,026	1199,026	18129,272
103,742	-0,957	1201,724	1201,724	18170,062
104,239	-0,896	1204,428	1204,428	18210,944
104,736	-0,832	1207,137	1207,137	18251,918
105,233	-0,765	1209,854	1209,854	18292,985
105,730	-0,695	1212,576	1212,576	18334,144
106,227	-0,622	1215,304	1215,304	18375,395
106,724	-0,546	1218,038	1218,038	18416,739

x [m]	e [m]	$\sigma_{P0,a}$ [MPa]	$\sigma_{P0,a+rc}$ [MPa]	$P_{0,a+rc}$ [kN]
107,221	-0,466	1220,779	1220,779	18458,177
107,718	-0,384	1223,526	1223,526	18499,707
108,215	-0,298	1226,279	1226,279	18541,331
108,944	-0,257	1229,038	1229,038	18583,049
108,712	-0,209	1230,327	1227,749	18563,572
109,209	-0,117	1231,803	1226,279	18541,331
109,706	-0,022	1234,574	1223,526	18499,707
110,203	0,076	1237,352	1220,779	18458,177
110,700	0,177	1240,136	1220,598	18455,438
111,110	0,258	1250,171	1214,563	18364,189
111,520	0,330	1256,383	1208,558	18273,390
111,930	0,393	1262,626	1202,582	18183,041
112,340	0,448	1268,900	1196,636	18093,138
112,750	0,495	1275,205	1190,720	18003,680
113,160	0,533	1281,541	1184,832	17914,664
113,570	0,563	1287,909	1178,974	17826,088
113,980	0,584	1294,308	1173,145	17737,950
114,390	0,597	1300,740	1167,344	17650,248
114,800	0,601	1307,203	1161,573	17562,979
115,210	0,597	1313,698	1155,830	17476,142
115,620	0,584	1320,226	1150,115	17389,735
116,030	0,563	1326,786	1144,428	17303,754
116,440	0,533	1333,378	1138,770	17218,199
116,850	0,495	1340,004	1133,139	17133,066
117,260	0,448	1346,662	1127,537	17048,355
117,670	0,393	1353,354	1121,962	16964,063
118,080	0,330	1360,078	1116,414	16880,187
118,490	0,258	1366,836	1110,895	16796,726
118,900	0,177	1369,373	1108,837	16765,611
119,356	0,084	1372,197	1106,555	16731,106
119,811	-0,006	1375,027	1104,277	16696,673
120,267	-0,094	1377,863	1102,005	16662,311
120,722	-0,179	1380,704	1099,737	16628,019

x [m]	e [m]	$\sigma_{P0,a}$ [MPa]	$\sigma_{P0,a+rc}$ [MPa]	$P_{0,a+rc}$ [kN]
121,178	-0,261	1383,552	1097,473	16593,798
121,633	-0,341	1386,405	1095,215	16559,647
122,089	-0,418	1389,264	1092,961	16525,567
122,544	-0,493	1392,129	1090,711	16491,557
123,000	-0,565	1395,000	1085,095	16406,637
123,492	-0,640	1091,613	1091,613	16505,181
123,984	-0,711	1094,044	1094,044	16541,946
124,476	-0,780	1096,481	1096,481	16578,792
124,968	-0,846	1098,923	1098,923	16615,721
125,460	-0,908	1101,371	1101,371	16652,731
125,952	-0,968	1103,824	1103,824	16689,825
126,444	-1,024	1106,283	1106,283	16727,000
126,936	-1,078	1108,747	1108,747	16764,259
127,428	-1,128	1111,217	1111,217	16801,601
127,920	-1,175	1113,692	1113,692	16839,025
128,412	-1,220	1116,173	1116,173	16876,533
128,904	-1,261	1118,659	1118,659	16914,125
129,396	-1,299	1121,151	1121,151	16951,801
129,888	-1,334	1123,648	1123,648	16989,560
130,380	-1,366	1126,151	1126,151	17027,403
130,872	-1,395	1128,659	1128,659	17065,331
131,364	-1,421	1131,173	1131,173	17103,343
131,856	-1,444	1133,693	1133,693	17141,440
132,348	-1,464	1136,218	1136,218	17179,622
132,840	-1,481	1138,749	1138,749	17217,889
133,332	-1,495	1141,286	1141,286	17256,241
133,824	-1,505	1143,828	1143,828	17294,678
134,316	-1,513	1146,376	1146,376	17333,201
134,808	-1,517	1148,929	1148,929	17371,810
135,300	-1,519	1151,488	1151,488	17410,505
135,797	-1,517	1154,079	1154,079	17449,678
136,294	-1,513	1156,676	1156,676	17488,940
136,791	-1,505	1159,278	1159,278	17528,289

x [m]	e [m]	$\sigma_{P0,a}$ [MPa]	$\sigma_{P0,a+rc}$ [MPa]	$P_{0,a+rc}$ [kN]
137,288	-1,494	1161,887	1161,887	17567,728
137,785	-1,480	1164,501	1164,501	17607,255
138,282	-1,463	1167,121	1167,121	17646,871
138,779	-1,443	1169,747	1169,747	17686,576
139,276	-1,419	1172,379	1172,379	17726,370
139,773	-1,393	1175,017	1175,017	17766,254
140,270	-1,363	1177,661	1177,661	17806,228
140,767	-1,331	1180,310	1180,310	17846,292
141,264	-1,295	1182,966	1182,966	17886,445
141,761	-1,256	1185,628	1185,628	17926,689
142,258	-1,214	1188,295	1188,295	17967,024
142,755	-1,169	1190,969	1190,969	18007,450
143,252	-1,120	1193,649	1193,649	18047,966
143,748	-1,069	1196,334	1196,334	18088,573
144,245	-1,014	1199,026	1199,026	18129,272
144,742	-0,957	1201,724	1201,724	18170,062
145,239	-0,896	1204,428	1204,428	18210,944
145,736	-0,832	1207,137	1207,137	18251,918
146,233	-0,765	1209,854	1209,854	18292,985
146,730	-0,695	1212,576	1212,576	18334,144
147,227	-0,622	1215,304	1215,304	18375,395
147,724	-0,546	1218,038	1218,038	18416,739
148,221	-0,466	1220,779	1220,779	18458,177
148,718	-0,384	1223,526	1223,526	18499,707
149,215	-0,298	1226,279	1226,279	18541,331
149,944	-0,257	1229,038	1229,038	18583,049
149,712	-0,209	1230,327	1227,749	18563,572
150,209	-0,117	1231,803	1226,279	18541,331
150,706	-0,022	1234,574	1223,526	18499,707
151,203	0,076	1237,352	1220,779	18458,177
151,700	0,177	1240,136	1220,598	18455,438
152,110	0,258	1250,171	1214,563	18364,189
152,520	0,330	1256,383	1208,558	18273,390

x [m]	e [m]	$\sigma_{P0,a}$ [MPa]	$\sigma_{P0,a+rc}$ [MPa]	$P_{0,a+rc}$ [kN]
152,930	0,393	1262,626	1202,582	18183,041
153,340	0,448	1268,900	1196,636	18093,138
153,750	0,495	1275,205	1190,720	18003,680
154,160	0,533	1281,541	1184,832	17914,664
154,570	0,563	1287,909	1178,974	17826,088
154,980	0,584	1294,308	1173,145	17737,950
155,390	0,597	1300,740	1167,344	17650,248
155,800	0,601	1307,203	1161,573	17562,979
156,210	0,597	1313,698	1155,830	17476,142
156,620	0,584	1320,226	1150,115	17389,735
157,030	0,563	1326,786	1144,428	17303,754
157,440	0,533	1333,378	1138,770	17218,199
157,850	0,495	1340,004	1133,139	17133,066
158,260	0,448	1346,662	1127,537	17048,355
158,670	0,393	1353,354	1121,962	16964,063
159,080	0,330	1360,078	1116,414	16880,187
159,490	0,258	1366,836	1110,895	16796,726
159,900	0,177	1369,373	1108,837	16765,611
160,356	0,084	1372,197	1106,555	16731,106
160,811	-0,006	1375,027	1104,277	16696,673
161,267	-0,094	1377,863	1102,005	16662,311
161,722	-0,179	1380,704	1099,737	16628,019
162,178	-0,261	1383,552	1097,473	16593,798
162,633	-0,341	1386,405	1095,215	16559,647
163,089	-0,418	1389,264	1092,961	16525,567
163,544	-0,493	1392,129	1090,711	16491,557
164,000	-0,565	1395,000	1085,095	16406,637
164,492	-0,640	1091,613	1091,613	16505,181
164,984	-0,711	1094,044	1094,044	16541,946
165,476	-0,780	1096,481	1096,481	16578,792
165,968	-0,846	1098,923	1098,923	16615,721
166,460	-0,908	1101,371	1101,371	16652,731
166,952	-0,968	1103,824	1103,824	16689,825

x [m]	e [m]	$\sigma_{P0,a}$ [MPa]	$\sigma_{P0,a+rc}$ [MPa]	$P_{0,a+rc}$ [kN]
167,444	-1,024	1106,283	1106,283	16727,000
167,936	-1,078	1108,747	1108,747	16764,259
168,428	-1,128	1111,217	1111,217	16801,601
168,920	-1,175	1113,692	1113,692	16839,025
169,412	-1,220	1116,173	1116,173	16876,533
169,904	-1,261	1118,659	1118,659	16914,125
170,396	-1,299	1121,151	1121,151	16951,801
170,888	-1,334	1123,648	1123,648	16989,560
171,380	-1,366	1126,151	1126,151	17027,403
171,872	-1,395	1128,659	1128,659	17065,331
172,364	-1,421	1131,173	1131,173	17103,343
172,856	-1,444	1133,693	1133,693	17141,440
173,348	-1,464	1136,218	1136,218	17179,622
173,840	-1,481	1138,749	1138,749	17217,889
174,332	-1,495	1141,286	1141,286	17256,241
174,824	-1,505	1143,828	1143,828	17294,678
175,316	-1,513	1146,376	1146,376	17333,201
175,808	-1,517	1148,929	1148,929	17371,810
176,300	-1,519	1151,488	1151,488	17410,505
176,797	-1,517	1154,079	1154,079	17449,678
177,294	-1,513	1156,676	1156,676	17488,940
177,791	-1,505	1159,278	1159,278	17528,289
178,288	-1,494	1161,887	1161,887	17567,728
178,785	-1,480	1164,501	1164,501	17607,255
179,282	-1,463	1167,121	1167,121	17646,871
179,779	-1,443	1169,747	1169,747	17686,576
180,276	-1,419	1172,379	1172,379	17726,370
180,773	-1,393	1175,017	1175,017	17766,254
181,270	-1,363	1177,661	1177,661	17806,228
181,767	-1,331	1180,310	1180,310	17846,292
182,264	-1,295	1182,966	1182,966	17886,445
182,761	-1,256	1185,628	1185,628	17926,689
183,258	-1,214	1188,295	1188,295	17967,024

x [m]	e [m]	$\sigma_{P0,a}$ [MPa]	$\sigma_{P0,a+rc}$ [MPa]	$P_{0,a+rc}$ [kN]
183,755	-1,169	1190,969	1190,969	18007,450
184,252	-1,120	1193,649	1193,649	18047,966
184,748	-1,069	1196,334	1196,334	18088,573
185,245	-1,014	1199,026	1199,026	18129,272
185,742	-0,957	1201,724	1201,724	18170,062
186,239	-0,896	1204,428	1204,428	18210,944
186,736	-0,832	1207,137	1207,137	18251,918
187,233	-0,765	1209,854	1209,854	18292,985
187,730	-0,695	1212,576	1212,576	18334,144
188,227	-0,622	1215,304	1215,304	18375,395
188,724	-0,546	1218,038	1218,038	18416,739
189,221	-0,466	1220,779	1220,779	18458,177
189,718	-0,384	1223,526	1223,526	18499,707
190,215	-0,298	1226,279	1226,279	18541,331
190,712	-0,257	1229,038	1229,038	18583,049
190,944	-0,209	1230,327	1227,749	18563,572
191,209	-0,117	1231,803	1226,279	18541,331
191,706	-0,022	1234,574	1223,526	18499,707
192,203	0,076	1237,352	1220,779	18458,177
192,700	0,177	1240,136	1220,598	18455,438
193,110	0,258	1250,171	1214,563	18364,189
193,520	0,330	1256,383	1208,558	18273,390
193,930	0,393	1262,626	1202,582	18183,041
194,340	0,448	1268,900	1196,636	18093,138
194,750	0,495	1275,205	1190,720	18003,680
195,160	0,533	1281,541	1184,832	17914,664
195,570	0,563	1287,909	1178,974	17826,088
195,980	0,584	1294,308	1173,145	17737,950
196,390	0,597	1300,740	1167,344	17650,248
196,800	0,601	1307,203	1161,573	17562,979
197,210	0,597	1313,698	1155,830	17476,142
197,620	0,584	1320,226	1150,115	17389,735
198,030	0,563	1326,786	1144,428	17303,754

x [m]	e [m]	$\sigma_{P0,a}$ [MPa]	$\sigma_{P0,a+rc}$ [MPa]	$P_{0,a+rc}$ [kN]
198,440	0,533	1333,378	1138,770	17218,199
198,850	0,495	1340,004	1133,139	17133,066
199,260	0,448	1346,662	1127,537	17048,355
199,670	0,393	1353,354	1121,962	16964,063
200,080	0,330	1360,078	1116,414	16880,187
200,490	0,258	1366,836	1110,895	16796,726
200,900	0,177	1369,373	1108,837	16765,611
201,356	0,084	1372,197	1106,555	16731,106
201,811	-0,006	1375,027	1104,277	16696,673
202,267	-0,094	1377,863	1102,005	16662,311
202,722	-0,179	1380,704	1099,737	16628,019
203,178	-0,261	1383,552	1097,473	16593,798
203,633	-0,341	1386,405	1095,215	16559,647
204,089	-0,418	1389,264	1092,961	16525,567
204,544	-0,493	1392,129	1090,711	16491,557
205,000	-0,565	1395,000	1085,095	16406,637
205,492	-0,640	1091,613	1091,613	16505,181
205,984	-0,711	1094,044	1094,044	16541,946
206,476	-0,780	1096,481	1096,481	16578,792
206,968	-0,846	1098,923	1098,923	16615,721
207,460	-0,908	1101,371	1101,371	16652,731
207,952	-0,968	1103,824	1103,824	16689,825
208,444	-1,024	1106,283	1106,283	16727,000
208,936	-1,078	1108,747	1108,747	16764,259
209,428	-1,128	1111,217	1111,217	16801,601
209,920	-1,175	1113,692	1113,692	16839,025
210,412	-1,220	1116,173	1116,173	16876,533
210,904	-1,261	1118,659	1118,659	16914,125
211,396	-1,299	1121,151	1121,151	16951,801
211,888	-1,334	1123,648	1123,648	16989,560
212,380	-1,366	1126,151	1126,151	17027,403
212,872	-1,395	1128,659	1128,659	17065,331
213,364	-1,421	1131,173	1131,173	17103,343

x [m]	e [m]	$\sigma_{P0,a}$ [MPa]	$\sigma_{P0,a+rc}$ [MPa]	$P_{0,a+rc}$ [kN]
213,856	-1,444	1133,693	1133,693	17141,440
214,348	-1,464	1136,218	1136,218	17179,622
214,840	-1,481	1138,749	1138,749	17217,889
215,332	-1,495	1141,286	1141,286	17256,241
215,824	-1,505	1143,828	1143,828	17294,678
216,316	-1,513	1146,376	1146,376	17333,201
216,808	-1,517	1148,929	1148,929	17371,810
217,300	-1,519	1151,488	1151,488	17410,505
217,797	-1,517	1154,079	1154,079	17449,678
218,294	-1,513	1156,676	1156,676	17488,940
218,791	-1,505	1159,278	1159,278	17528,289
219,288	-1,494	1161,887	1161,887	17567,728
219,785	-1,480	1164,501	1164,501	17607,255
220,282	-1,463	1167,121	1167,121	17646,871
220,779	-1,443	1169,747	1169,747	17686,576
221,276	-1,419	1172,379	1172,379	17726,370
221,773	-1,393	1175,017	1175,017	17766,254
222,270	-1,363	1177,661	1177,661	17806,228
222,767	-1,331	1180,310	1180,310	17846,292
223,264	-1,295	1182,966	1182,966	17886,445
223,761	-1,256	1185,628	1185,628	17926,689
224,258	-1,214	1188,295	1188,295	17967,024
224,755	-1,169	1190,969	1190,969	18007,450
225,252	-1,120	1193,649	1193,649	18047,966
225,748	-1,069	1196,334	1196,334	18088,573
226,245	-1,014	1199,026	1199,026	18129,272
226,742	-0,957	1201,724	1201,724	18170,062
227,239	-0,896	1204,428	1204,428	18210,944
227,736	-0,832	1207,137	1207,137	18251,918
228,233	-0,765	1209,854	1209,854	18292,985
228,730	-0,695	1212,576	1212,576	18334,144
229,227	-0,622	1215,304	1215,304	18375,395
229,724	-0,546	1218,038	1218,038	18416,739

x [m]	e [m]	$\sigma_{P0,a}$ [MPa]	$\sigma_{P0,a+rc}$ [MPa]	$P_{0,a+rc}$ [kN]
230,221	-0,466	1220,779	1220,779	18458,177
230,718	-0,384	1223,526	1223,526	18499,707
231,215	-0,298	1226,279	1226,279	18541,331
231,712	-0,257	1229,038	1229,038	18583,049
231,944	-0,209	1230,327	1227,749	18563,572
232,209	-0,117	1231,803	1226,279	18541,331
232,706	-0,022	1234,574	1223,526	18499,707
233,203	0,076	1237,352	1220,779	18458,177
233,700	0,177	1240,136	1220,598	18455,438
234,110	0,258	1250,171	1214,563	18364,189
234,520	0,330	1256,383	1208,558	18273,390
234,930	0,393	1262,626	1202,582	18183,041
235,340	0,448	1268,900	1196,636	18093,138
235,750	0,495	1275,205	1190,720	18003,680
236,160	0,533	1281,541	1184,832	17914,664
236,570	0,563	1287,909	1178,974	17826,088
236,980	0,584	1294,308	1173,145	17737,950
237,390	0,597	1300,740	1167,344	17650,248
237,800	0,601	1307,203	1161,573	17562,979
238,210	0,597	1313,698	1155,830	17476,142
238,620	0,584	1320,226	1150,115	17389,735
239,030	0,563	1326,786	1144,428	17303,754
239,440	0,533	1333,378	1138,770	17218,199
239,850	0,495	1340,004	1133,139	17133,066
240,260	0,448	1346,662	1127,537	17048,355
240,670	0,393	1353,354	1121,962	16964,063
241,080	0,330	1360,078	1116,414	16880,187
241,490	0,258	1366,836	1110,895	16796,726
241,900	0,177	1369,373	1108,837	16765,611
242,356	0,084	1372,197	1106,555	16731,106
242,811	-0,006	1375,027	1104,277	16696,673
243,267	-0,094	1377,863	1102,005	16662,311
243,722	-0,179	1380,704	1099,737	16628,019

x [m]	e [m]	$\sigma_{P0,a}$ [MPa]	$\sigma_{P0,a+rc}$ [MPa]	$P_{0,a+rc}$ [kN]
244,178	-0,261	1383,552	1097,473	16593,798
244,633	-0,341	1386,405	1095,215	16559,647
245,089	-0,418	1389,264	1092,961	16525,567
245,544	-0,493	1392,129	1090,711	16491,557
246,000	-0,565	1395,000	1085,095	16406,637
246,492	-0,640	1091,613	1091,613	16505,181
246,984	-0,711	1094,044	1094,044	16541,946
247,476	-0,780	1096,481	1096,481	16578,792
247,968	-0,846	1098,923	1098,923	16615,721
248,460	-0,908	1101,371	1101,371	16652,731
248,952	-0,968	1103,824	1103,824	16689,825
249,444	-1,024	1106,283	1106,283	16727,000
249,936	-1,078	1108,747	1108,747	16764,259
250,428	-1,128	1111,217	1111,217	16801,601
250,920	-1,175	1113,692	1113,692	16839,025
251,412	-1,220	1116,173	1116,173	16876,533
251,904	-1,261	1118,659	1118,659	16914,125
252,396	-1,299	1121,151	1121,151	16951,801
252,888	-1,334	1123,648	1123,648	16989,560
253,380	-1,366	1126,151	1126,151	17027,403
253,872	-1,395	1128,659	1128,659	17065,331
254,364	-1,421	1131,173	1131,173	17103,343
254,856	-1,444	1133,693	1133,693	17141,440
255,348	-1,464	1136,218	1136,218	17179,622
255,840	-1,481	1138,749	1138,749	17217,889
256,332	-1,495	1141,286	1141,286	17256,241
256,824	-1,505	1143,828	1143,828	17294,678
257,316	-1,513	1146,376	1146,376	17333,201
257,808	-1,517	1148,929	1148,929	17371,810
258,300	-1,519	1151,488	1151,488	17410,505
258,797	-1,517	1154,079	1154,079	17449,678
259,294	-1,513	1156,676	1156,676	17488,940
259,791	-1,505	1159,278	1159,278	17528,289

x [m]	e [m]	$\sigma_{P0,a}$ [MPa]	$\sigma_{P0,a+rc}$ [MPa]	$P_{0,a+rc}$ [kN]
260,288	-1,494	1161,887	1161,887	17567,728
260,785	-1,480	1164,501	1164,501	17607,255
261,282	-1,463	1167,121	1167,121	17646,871
261,779	-1,443	1169,747	1169,747	17686,576
262,276	-1,419	1172,379	1172,379	17726,370
262,773	-1,393	1175,017	1175,017	17766,254
263,270	-1,363	1177,661	1177,661	17806,228
263,767	-1,331	1180,310	1180,310	17846,292
264,264	-1,295	1182,966	1182,966	17886,445
264,761	-1,256	1185,628	1185,628	17926,689
265,258	-1,214	1188,295	1188,295	17967,024
265,755	-1,169	1190,969	1190,969	18007,450
266,252	-1,120	1193,649	1193,649	18047,966
266,748	-1,069	1196,334	1196,334	18088,573
267,245	-1,014	1199,026	1199,026	18129,272
267,742	-0,957	1201,724	1201,724	18170,062
268,239	-0,896	1204,428	1204,428	18210,944
268,736	-0,832	1207,137	1207,137	18251,918
269,233	-0,765	1209,854	1209,854	18292,985
269,730	-0,695	1212,576	1212,576	18334,144
270,227	-0,622	1215,304	1215,304	18375,395
270,724	-0,546	1218,038	1218,038	18416,739
271,221	-0,466	1220,779	1220,779	18458,177
271,718	-0,384	1223,526	1223,526	18499,707
272,215	-0,298	1226,279	1226,279	18541,331
272,712	-0,257	1229,038	1229,038	18583,049
272,944	-0,209	1230,327	1227,749	18563,572
273,209	-0,117	1231,803	1226,279	18541,331
273,706	-0,022	1234,574	1223,526	18499,707
274,203	0,076	1237,352	1220,779	18458,177
274,700	0,177	1240,136	1220,598	18455,438
275,110	0,258	1250,171	1214,563	18364,189
275,520	0,330	1256,383	1208,558	18273,390

x [m]	e [m]	$\sigma_{P0,a}$ [MPa]	$\sigma_{P0,a+rc}$ [MPa]	$P_{0,a+rc}$ [kN]
275,930	0,393	1262,626	1202,582	18183,041
276,340	0,448	1268,900	1196,636	18093,138
276,750	0,495	1275,205	1190,720	18003,680
277,160	0,533	1281,541	1184,832	17914,664
277,570	0,563	1287,909	1178,974	17826,088
277,980	0,584	1294,308	1173,145	17737,950
278,390	0,597	1300,740	1167,344	17650,248
278,800	0,601	1307,203	1161,573	17562,979
279,210	0,597	1313,698	1155,830	17476,142
279,620	0,584	1320,226	1150,115	17389,735
280,030	0,563	1326,786	1144,428	17303,754
280,440	0,533	1333,378	1138,770	17218,199
280,850	0,495	1340,004	1133,139	17133,066
281,260	0,448	1346,662	1127,537	17048,355
281,670	0,393	1353,354	1121,962	16964,063
282,080	0,330	1360,078	1116,414	16880,187
282,490	0,258	1366,836	1110,895	16796,726
282,900	0,177	1369,373	1108,837	16765,611
283,356	0,084	1372,197	1106,555	16731,106
283,811	-0,006	1375,027	1104,277	16696,673
284,267	-0,094	1377,863	1102,005	16662,311
284,722	-0,179	1380,704	1099,737	16628,019
285,178	-0,261	1383,552	1097,473	16593,798
285,633	-0,341	1386,405	1095,215	16559,647
286,089	-0,418	1389,264	1092,961	16525,567
286,544	-0,493	1392,129	1090,711	16491,557
287,000	-0,565	1395,000	1085,095	16406,637
287,492	-0,640	1229,038	1229,038	18583,052
287,984	-0,711	1232,681	1232,681	18638,138
288,476	-0,780	1236,335	1236,335	18693,387
288,968	-0,846	1240,000	1240,000	18748,800
289,460	-0,908	1243,676	1243,676	18804,378
289,952	-0,968	1247,362	1247,362	18860,120

x [m]	e [m]	$\sigma_{P0,a}$ [MPa]	$\sigma_{P0,a+rc}$ [MPa]	$P_{0,a+rc}$ [kN]
290,444	-1,024	1251,060	1251,060	18916,027
290,936	-1,078	1254,769	1254,769	18972,100
291,428	-1,128	1258,488	1258,488	19028,340
291,920	-1,175	1262,219	1262,219	19084,746
292,412	-1,220	1265,960	1265,960	19141,319
292,904	-1,261	1269,713	1269,713	19198,060
293,396	-1,299	1273,477	1273,477	19254,969
293,888	-1,334	1277,252	1277,252	19312,047
294,380	-1,366	1281,038	1281,038	19369,294
294,872	-1,395	1284,835	1284,835	19426,711
295,364	-1,421	1288,644	1288,644	19484,298
295,856	-1,444	1292,464	1292,464	19542,056
296,348	-1,464	1296,295	1296,295	19599,985
296,840	-1,481	1300,138	1300,138	19658,085
297,332	-1,495	1303,992	1303,992	19716,358
297,824	-1,505	1307,857	1307,857	19774,804
298,316	-1,513	1311,734	1311,734	19833,423
298,808	-1,517	1315,623	1315,623	19892,215
299,300	-1,519	1319,523	1319,523	19951,182
299,352	-1,518	1319,833	1319,212	19946,491
299,782	-1,517	1322,404	1316,647	19907,709
300,265	-1,510	1325,292	1313,778	19864,330
300,747	-1,498	1328,186	1310,916	19821,047
301,229	-1,482	1331,086	1308,059	19777,858
301,712	-1,461	1333,993	1305,209	19734,762
302,194	-1,435	1336,906	1302,365	19691,760
302,676	-1,404	1339,826	1299,527	19648,853
303,159	-1,369	1342,751	1296,696	19606,039
303,641	-1,330	1345,684	1293,870	19563,317
304,124	-1,285	1348,622	1291,051	19520,690
304,606	-1,236	1351,567	1288,238	19478,155
305,088	-1,183	1354,519	1285,431	19435,712
305,571	-1,124	1357,477	1282,630	19393,362

x [m]	e [m]	$\sigma_{P0,a}$ [MPa]	$\sigma_{P0,a+rc}$ [MPa]	$P_{0,a+rc}$ [kN]
306,053	-1,061	1360,441	1279,835	19351,105
306,535	-0,993	1363,412	1277,046	19308,940
307,018	-0,921	1366,389	1274,264	19266,865
307,500	-0,844	1369,373	1271,487	19224,884
307,910	-0,775	1371,914	1269,132	19189,271
308,320	-0,702	1374,460	1266,781	19153,724
308,730	-0,626	1377,011	1264,434	19118,243
309,140	-0,547	1379,567	1262,092	19082,828
309,550	-0,464	1382,127	1259,754	19047,479
309,960	-0,378	1384,692	1257,420	19012,195
310,370	-0,289	1387,262	1255,091	18976,976
310,780	-0,196	1389,837	1252,766	18941,822
311,190	-0,100	1392,416	1250,445	18906,734
311,600	0,000	1395,000	1248,721	18880,666

ANEXO B – Perdas Diferidas do Pré-esforço

x [m]	e [m]	σ_c (MPa)	μ	$\Delta\sigma_{pt,s}$ (MPa)	$\Delta\sigma_{pt,c}$ (MPa)	$\Delta\sigma_{pt,r}$ (MPa)	$\Delta\sigma_{pt,s+c+r}$ (MPa)	$\sigma_{p\infty}$ (MPa)	P_∞ (kN)
0,000	0,000	-1,991	0,575	60,255	26,856	23,635	102,854	966,503	14613,523
0,410	-0,100	-2,002	0,577	60,255	26,997	23,876	103,133	969,266	14655,296
0,820	-0,196	-2,022	0,578	60,255	27,274	24,119	103,462	971,979	14696,318
1,230	-0,289	-2,053	0,580	60,255	27,694	24,365	103,854	974,628	14736,381
1,640	-0,378	-2,095	0,581	60,255	28,257	24,613	104,318	977,206	14775,362
2,050	-0,464	-2,148	0,583	60,255	28,972	24,863	104,869	979,697	14813,025
2,460	-0,547	-2,711	0,585	60,255	37,340	25,116	111,522	976,086	14758,418
2,870	-0,626	-2,800	0,586	60,255	38,556	25,371	112,302	978,348	14792,619
3,280	-0,702	-2,898	0,588	60,255	39,902	25,628	113,152	980,540	14825,768
3,690	-0,775	-3,007	0,590	60,255	41,405	25,888	114,101	982,633	14857,408
4,100	-0,844	-3,119	0,591	60,255	42,946	26,150	115,048	984,728	14889,080
4,582	-0,921	-3,687	0,593	60,255	51,404	26,415	120,711	982,106	14849,449
5,065	-0,993	-3,847	0,595	60,255	53,638	26,682	121,909	983,951	14877,333
5,547	-1,061	-4,009	0,596	60,255	55,884	26,952	123,096	985,806	14905,382
6,029	-1,124	-4,162	0,598	60,255	58,027	27,224	124,183	987,760	14934,930
6,512	-1,183	-4,310	0,599	60,255	60,086	27,499	125,204	989,781	14965,494
6,994	-1,236	-4,462	0,601	60,255	62,199	27,776	126,293	991,734	14995,024
7,476	-1,285	-4,592	0,603	60,255	64,011	28,056	127,152	993,917	15028,025
7,959	-1,330	-4,709	0,604	60,255	65,647	28,339	127,905	996,206	15062,630
8,441	-1,369	-4,819	0,606	60,255	67,189	28,624	128,636	998,517	15097,580
8,924	-1,404	-4,916	0,608	60,255	68,535	28,912	129,266	1000,929	15134,048
9,406	-1,435	-4,987	0,609	60,255	69,518	29,202	129,664	1003,573	15174,018
9,888	-1,461	-5,040	0,611	60,255	70,263	29,495	129,946	1006,333	15215,749
10,371	-1,482	-5,089	0,613	60,255	70,944	29,791	130,266	1009,055	15256,907
10,853	-1,498	-5,104	0,614	60,255	71,159	30,090	130,290	1012,072	15302,532
11,335	-1,510	-5,096	0,616	60,255	71,042	30,391	130,139	1015,266	15350,818
11,818	-1,517	-5,078	0,617	60,255	70,796	30,696	129,983	1018,464	15399,174
12,300	-1,519	-5,040	0,619	60,255	70,267	31,003	129,694	1021,794	15449,524
12,756	-1,518	-4,964	0,620	60,255	69,204	31,141	128,927	1023,916	15481,617
13,211	-1,514	-4,857	0,619	60,255	67,715	31,003	127,676	1023,812	15480,037
13,667	-1,507	-4,787	0,620	60,255	66,731	31,141	127,087	1025,757	15509,451
14,122	-1,498	-4,676	0,619	60,255	65,188	31,003	125,897	1025,591	15506,938

x [m]	e [m]	σ_c (MPa)	μ	$\Delta\sigma_{pt,s}$ (MPa)	$\Delta\sigma_{pt,c}$ (MPa)	$\Delta\sigma_{pt,r}$ (MPa)	$\Delta\sigma_{pt,s+c+r}$ (MPa)	$\sigma_{p\infty}$ (MPa)	P_∞ (kN)
14,578	-1,486	-4,581	0,620	60,255	63,868	31,141	125,130	1027,714	15539,035
15,033	-1,472	-4,466	0,619	60,255	62,256	31,003	123,981	1027,508	15535,916
15,489	-1,455	-4,380	0,620	60,255	61,060	31,141	123,412	1029,432	15565,006
15,944	-1,435	-4,255	0,619	60,255	59,313	31,003	122,236	1029,252	15562,292
16,400	-1,413	-4,149	0,620	60,255	57,844	31,141	121,522	1031,322	15593,589
16,892	-1,386	-4,025	0,619	60,255	56,111	31,003	120,472	1031,016	15588,963
17,384	-1,356	-3,921	0,620	60,255	54,659	31,141	119,890	1032,954	15618,259
17,876	-1,323	-3,782	0,619	60,255	52,720	31,003	118,736	1032,753	15615,219
18,368	-1,287	-3,676	0,620	60,255	51,242	31,141	118,199	1034,645	15643,833
18,860	-1,248	-3,555	0,619	60,255	49,564	31,003	117,325	1034,164	15636,556
19,352	-1,205	-3,447	0,620	60,255	48,057	31,141	116,812	1036,032	15664,804
19,844	-1,160	-3,325	0,619	60,255	46,358	31,003	115,954	1035,534	15657,280
20,336	-1,112	-3,234	0,620	60,255	45,090	31,141	115,682	1037,162	15681,885
20,828	-1,060	-3,128	0,619	60,255	43,609	31,003	115,031	1036,458	15671,238
21,320	-1,006	-3,036	0,620	60,255	42,326	31,141	114,754	1038,090	15695,922
21,812	-0,948	-2,949	0,619	60,255	41,111	31,003	114,335	1037,154	15681,761
22,304	-0,888	-2,883	0,620	60,255	40,192	31,141	114,372	1038,472	15701,695
22,796	-0,824	-2,805	0,619	60,255	39,109	31,003	114,041	1037,448	15686,210
23,288	-0,758	-2,756	0,620	60,255	38,417	31,141	114,246	1038,598	15703,604
23,780	-0,688	-2,710	0,619	60,255	37,783	31,003	114,269	1037,219	15682,750
24,272	-0,615	-2,682	0,620	60,255	37,395	31,141	114,688	1038,156	15696,920
24,764	-0,539	-2,660	0,619	60,255	37,086	31,003	114,924	1036,564	15672,849
25,256	-0,460	-2,665	0,620	60,255	37,158	31,141	115,670	1037,174	15682,077
25,748	-0,379	-2,678	0,619	60,255	37,335	31,003	116,238	1035,251	15652,991
26,240	-0,294	-3,032	0,620	60,255	42,268	31,141	121,468	1031,376	15594,410
26,732	-0,206	-2,986	0,619	60,255	41,629	31,003	121,093	1030,396	15579,583
27,224	-0,114	-2,964	0,620	60,255	41,328	31,141	121,136	1031,708	15599,427
27,716	-0,020	-2,955	0,619	60,255	41,202	31,003	121,009	1030,480	15580,856
28,208	0,077	-2,974	0,620	60,255	41,465	31,141	121,323	1031,521	15596,598
28,700	0,177	-3,216	0,656	60,255	44,832	38,801	130,208	1090,390	16486,698
29,110	0,258	-2,888	0,653	60,255	39,768	38,087	125,232	1089,606	16474,849
29,520	0,330	-2,910	0,650	60,255	40,074	37,385	124,698	1084,380	16395,825
29,930	0,393	-2,911	0,647	60,255	40,092	36,695	123,875	1079,443	16321,179

x [m]	e [m]	σ_c (MPa)	μ	$\Delta\sigma_{pt,s}$ (MPa)	$\Delta\sigma_{pt,c}$ (MPa)	$\Delta\sigma_{pt,r}$ (MPa)	$\Delta\sigma_{pt,s+c+r}$ (MPa)	$\sigma_{p\infty}$ (MPa)	P_∞ (kN)
30,340	0,448	-2,883	0,644	60,255	39,709	36,018	122,682	1074,877	16252,133
30,750	0,495	-2,821	0,641	60,255	38,849	35,352	121,065	1070,733	16189,489
31,160	0,533	-2,221	0,638	60,255	29,948	34,697	113,029	1073,010	16223,916
31,570	0,563	-2,108	0,635	60,255	28,435	34,054	110,929	1069,350	16168,576
31,980	0,584	-1,966	0,631	60,255	26,514	33,422	108,493	1066,026	16118,314
32,390	0,597	-1,796	0,628	60,255	24,228	32,801	105,765	1062,995	16072,482
32,800	0,601	-1,605	0,625	60,255	21,644	32,191	102,808	1060,192	16030,106
33,210	0,597	-1,772	0,622	60,255	23,896	31,591	104,523	1052,717	15917,084
33,620	0,584	-1,917	0,619	60,255	25,857	31,002	106,014	1045,466	15807,448
34,030	0,563	-2,036	0,616	60,255	27,465	30,423	107,221	1038,499	15702,112
34,440	0,533	-2,126	0,613	60,255	28,667	29,854	108,089	1031,872	15601,904
34,850	0,495	-2,186	0,610	60,255	30,099	29,295	109,157	1025,044	15498,665
35,260	0,448	-2,718	0,607	60,255	37,434	28,745	114,972	1013,469	15323,655
35,670	0,393	-2,725	0,604	60,255	37,528	28,205	114,940	1007,742	15237,056
36,080	0,330	-2,704	0,600	60,255	37,237	27,675	114,544	1002,378	15155,953
36,490	0,258	-2,661	0,597	60,255	36,650	27,154	113,846	997,316	15079,414
36,900	0,177	-2,936	0,594	60,255	40,427	26,642	116,731	988,671	14948,700
37,356	0,084	-2,876	0,593	60,255	40,093	26,444	116,400	986,746	14919,593
37,811	-0,006	-2,824	0,592	60,255	39,370	26,247	115,608	985,281	14897,446
38,267	-0,094	-2,779	0,591	60,255	38,748	26,051	114,798	983,835	14875,579
38,722	-0,179	-2,744	0,589	60,255	38,249	25,857	114,002	982,374	14853,498
39,178	-0,261	-2,715	0,588	60,255	37,857	25,665	113,217	980,903	14831,256
39,633	-0,341	-2,332	0,587	60,255	32,516	25,473	107,644	984,220	14881,405
40,089	-0,418	-2,233	0,586	60,255	31,127	25,283	105,783	983,824	14875,425
40,544	-0,493	-2,136	0,585	60,255	29,774	25,094	103,910	983,441	14869,626
41,000	-0,565	-2,044	0,583	60,255	28,493	24,907	102,069	983,026	14863,346
41,492	-0,640	-1,972	0,585	60,255	27,491	25,128	100,724	987,026	14923,840
41,984	-0,711	-1,902	0,586	60,255	26,519	25,350	99,381	991,025	14984,301
42,476	-0,780	-1,835	0,588	60,255	25,581	25,575	98,053	995,009	15044,534
42,968	-0,846	-1,780	0,589	60,255	24,821	25,801	96,882	998,836	15102,394
43,460	-0,908	-1,733	0,591	60,255	24,166	26,029	95,805	1002,569	15158,841
43,952	-0,968	-1,686	0,592	60,255	23,505	26,259	94,726	1006,303	15215,307
44,444	-1,024	-1,648	0,593	60,255	22,979	26,491	93,780	1009,905	15269,764

x [m]	e [m]	σ_c (MPa)	μ	$\Delta\sigma_{pt,s}$ (MPa)	$\Delta\sigma_{pt,c}$ (MPa)	$\Delta\sigma_{pt,r}$ (MPa)	$\Delta\sigma_{pt,s+c+r}$ (MPa)	$\sigma_{p\infty}$ (MPa)	P_∞ (kN)
44,936	-1,078	-1,625	0,595	60,255	22,651	26,725	93,027	1013,314	15321,310
45,428	-1,128	-1,596	0,596	60,255	22,245	26,960	92,222	1016,775	15373,634
45,920	-1,175	-1,571	0,598	60,255	21,902	27,198	91,495	1020,157	15424,774
46,412	-1,220	-1,565	0,599	60,255	21,821	27,437	91,025	1023,284	15472,048
46,904	-1,261	-1,556	0,601	60,255	21,699	27,679	90,545	1026,419	15519,450
47,396	-1,299	-1,546	0,602	60,255	21,556	27,922	90,078	1029,542	15566,670
47,888	-1,334	-1,550	0,603	60,255	21,607	28,168	89,812	1032,463	15610,847
48,380	-1,366	-1,563	0,605	60,255	21,785	28,415	89,689	1035,242	15652,865
48,872	-1,395	-1,579	0,606	60,255	22,013	28,665	89,644	1037,943	15693,694
49,364	-1,421	-1,588	0,608	60,255	22,139	28,916	89,550	1040,692	15735,270
49,856	-1,444	-1,595	0,609	60,255	22,236	29,170	89,471	1043,427	15776,620
50,348	-1,464	-1,604	0,611	60,255	22,359	29,425	89,456	1046,098	15817,001
50,840	-1,481	-1,614	0,612	60,255	22,503	29,683	89,502	1048,707	15856,455
51,332	-1,495	-1,643	0,613	60,255	22,907	29,943	89,810	1051,055	15891,958
51,824	-1,505	-1,666	0,615	60,255	23,232	30,204	90,097	1053,425	15927,782
52,316	-1,513	-1,681	0,616	60,255	23,431	30,468	90,323	1055,854	15964,514
52,808	-1,517	-1,707	0,618	60,255	23,798	30,734	90,737	1058,095	15998,404
53,300	-1,519	-1,739	0,619	60,255	24,247	31,003	91,268	1060,220	16030,529
53,797	-1,517	-1,750	0,620	60,255	24,393	31,216	91,557	1062,026	16057,832
54,294	-1,513	-1,766	0,621	60,255	24,622	31,430	91,964	1063,713	16083,343
54,791	-1,505	-1,794	0,622	60,255	25,004	31,646	92,549	1065,222	16106,159
55,288	-1,494	-1,810	0,624	60,255	25,229	31,863	93,053	1066,812	16130,201
55,785	-1,480	-1,820	0,625	60,255	25,373	32,082	93,539	1068,421	16154,518
56,282	-1,463	-1,846	0,626	60,255	25,737	32,302	94,259	1069,794	16175,292
56,779	-1,443	-1,867	0,627	60,255	26,027	32,523	94,969	1071,179	16196,233
57,276	-1,419	-1,875	0,628	60,255	26,145	32,746	95,580	1072,662	16218,655
57,773	-1,393	-1,896	0,629	60,255	26,429	32,970	96,380	1073,956	16238,217
58,270	-1,363	-1,919	0,630	60,255	26,760	33,196	97,269	1075,162	16256,452
58,767	-1,331	-1,929	0,631	60,255	26,896	33,423	98,035	1076,490	16276,527
59,264	-1,295	-1,945	0,633	60,255	27,111	33,651	98,913	1077,706	16294,917
59,761	-1,256	-1,969	0,634	60,255	27,444	33,881	99,934	1078,779	16311,137
60,258	-1,214	-1,985	0,635	60,255	27,676	34,113	100,907	1079,900	16328,092
60,755	-1,169	-1,999	0,636	60,255	27,869	34,346	101,882	1081,020	16345,021

x [m]	e [m]	σ_c (MPa)	μ	$\Delta\sigma_{pt,s}$ (MPa)	$\Delta\sigma_{pt,c}$ (MPa)	$\Delta\sigma_{pt,r}$ (MPa)	$\Delta\sigma_{pt,s+c+r}$ (MPa)	$\sigma_{p\infty}$ (MPa)	P_∞ (kN)
61,252	-1,120	-2,026	0,637	60,255	28,245	34,580	103,050	1081,946	16359,028
61,748	-1,069	-2,052	0,638	60,255	28,609	34,816	104,235	1082,855	16372,770
62,245	-1,014	-2,072	0,639	60,255	28,880	35,053	105,361	1083,824	16387,415
62,742	-0,957	-2,105	0,640	60,255	29,340	35,292	106,675	1084,604	16399,211
63,239	-0,896	-2,143	0,642	60,255	29,874	35,533	108,068	1085,304	16409,804
63,736	-0,832	-2,177	0,643	60,255	30,354	35,775	109,418	1086,049	16421,061
64,233	-0,765	-2,222	0,644	60,255	30,979	36,018	110,898	1086,663	16430,347
64,730	-0,695	-2,277	0,645	60,255	31,750	36,263	112,503	1087,152	16437,741
65,227	-0,622	-2,336	0,646	60,255	32,562	36,510	114,125	1087,624	16444,879
65,724	-0,546	-2,401	0,647	60,255	33,477	36,758	115,812	1088,032	16451,047
66,221	-0,466	-2,482	0,648	60,255	34,607	37,008	117,656	1088,282	16454,821
66,718	-0,384	-2,573	0,649	60,255	35,877	37,259	119,577	1088,456	16457,449
67,215	-0,298	-2,987	0,651	60,255	41,642	37,512	125,709	1084,418	16396,394
67,712	-0,209	-3,010	0,652	60,255	41,970	37,766	126,579	1085,642	16414,912
68,209	-0,117	-3,050	0,653	60,255	42,525	38,022	127,550	1086,765	16431,893
68,706	-0,022	-3,109	0,654	60,255	43,338	38,280	128,634	1087,775	16447,161
69,203	0,076	-3,186	0,655	60,255	44,418	38,540	129,824	1088,679	16460,832
69,700	0,177	-3,283	0,656	60,255	45,765	38,801	131,100	1089,498	16473,206
70,110	0,258	-2,963	0,653	60,255	40,801	38,087	126,223	1088,615	16459,858
70,520	0,330	-2,995	0,650	60,255	41,247	37,385	125,821	1083,257	16378,852
70,930	0,393	-3,000	0,647	60,255	41,313	36,695	125,042	1078,277	16303,543
71,340	0,448	-2,970	0,644	60,255	40,901	36,018	123,818	1073,741	16234,965
71,750	0,495	-2,901	0,641	60,255	39,945	35,352	122,107	1069,692	16173,737
72,160	0,533	-2,276	0,638	60,255	30,693	34,697	113,742	1072,297	16213,129
72,570	0,563	-2,152	0,635	60,255	29,027	34,054	111,496	1068,783	16160,003
72,980	0,584	-1,997	0,631	60,255	26,930	33,422	108,891	1065,629	16112,305
73,390	0,597	-1,813	0,628	60,255	24,451	32,801	105,978	1062,782	16069,261
73,800	0,601	-1,607	0,625	60,255	21,667	32,191	102,830	1060,170	16029,772
74,210	0,597	-1,772	0,622	60,255	23,897	31,591	104,524	1052,716	15917,066
74,620	0,584	-1,916	0,619	60,255	25,834	31,002	105,993	1045,488	15807,774
75,030	0,563	-2,033	0,616	60,255	27,424	30,423	107,182	1038,538	15702,697
75,440	0,533	-2,123	0,613	60,255	28,632	29,854	108,055	1031,906	15602,416
75,850	0,495	-2,183	0,610	60,255	30,068	29,295	109,127	1025,073	15499,111

x [m]	e [m]	σ_c (MPa)	μ	$\Delta\sigma_{pt,s}$ (MPa)	$\Delta\sigma_{pt,c}$ (MPa)	$\Delta\sigma_{pt,r}$ (MPa)	$\Delta\sigma_{pt,s+c+r}$ (MPa)	$\sigma_{p\infty}$ (MPa)	P_∞ (kN)
76,260	0,448	-2,716	0,607	60,255	37,402	28,745	114,942	1013,499	15324,110
76,670	0,393	-2,723	0,604	60,255	37,503	28,205	114,916	1007,766	15237,416
77,080	0,330	-2,703	0,600	60,255	37,218	27,675	114,526	1002,396	15156,224
77,490	0,258	-2,660	0,597	60,255	36,637	27,154	113,834	997,328	15079,601
77,900	0,177	-2,935	0,594	60,255	40,418	26,642	116,723	988,679	14948,830
78,356	0,084	-2,876	0,593	60,255	40,089	26,444	116,396	986,749	14919,649
78,811	-0,006	-2,824	0,592	60,255	39,370	26,247	115,609	985,281	14897,442
79,267	-0,094	-2,780	0,591	60,255	38,761	26,051	114,810	983,823	14875,398
79,722	-0,179	-2,745	0,589	60,255	38,272	25,857	114,024	982,353	14853,170
80,178	-0,261	-2,718	0,588	60,255	37,889	25,665	113,247	980,873	14830,802
80,633	-0,341	-2,355	0,587	60,255	32,831	25,473	107,944	983,920	14876,871
81,089	-0,418	-2,260	0,586	60,255	31,503	25,283	106,140	983,468	14870,034
81,544	-0,493	-2,167	0,585	60,255	30,207	25,094	104,319	983,032	14863,448
82,000	-0,565	-2,079	0,583	60,255	28,977	24,907	102,524	982,571	14856,468
82,492	-0,640	-2,010	0,585	60,255	28,028	25,128	101,225	986,525	14916,264
82,984	-0,711	-1,942	0,586	60,255	27,079	25,350	99,901	990,506	14976,445
83,476	-0,780	-1,878	0,588	60,255	26,180	25,575	98,607	994,456	15036,170
83,968	-0,846	-1,826	0,589	60,255	25,456	25,801	97,464	998,254	15093,597
84,460	-0,908	-1,781	0,591	60,255	24,830	26,029	96,409	1001,965	15149,705
84,952	-0,968	-1,735	0,592	60,255	24,195	26,259	95,350	1005,680	15205,876
85,444	-1,024	-1,699	0,593	60,255	23,690	26,491	94,419	1009,266	15260,103
85,936	-1,078	-1,677	0,595	60,255	23,380	26,725	93,677	1012,664	15311,479
86,428	-1,128	-1,649	0,596	60,255	22,987	26,960	92,879	1016,118	15363,703
86,920	-1,175	-1,625	0,598	60,255	22,653	27,198	92,156	1019,496	15414,779
87,412	-1,220	-1,620	0,599	60,255	22,578	27,437	91,687	1022,621	15462,037
87,904	-1,261	-1,611	0,601	60,255	22,458	27,679	91,205	1025,759	15509,476
88,396	-1,299	-1,601	0,602	60,255	22,313	27,922	90,733	1028,887	15556,765
88,888	-1,334	-1,604	0,603	60,255	22,360	28,168	90,460	1031,815	15601,050
89,380	-1,366	-1,613	0,605	60,255	22,487	28,415	90,290	1034,641	15643,772
89,872	-1,395	-1,613	0,606	60,255	22,489	28,665	90,050	1037,537	15687,556
90,364	-1,421	-1,621	0,608	60,255	22,602	28,916	89,943	1040,300	15729,334
90,856	-1,444	-1,643	0,609	60,255	22,901	29,170	90,034	1042,865	15768,112
91,348	-1,464	-1,653	0,611	60,255	23,049	29,425	90,038	1045,516	15808,208

x [m]	e [m]	σ_c (MPa)	μ	$\Delta\sigma_{pt,s}$ (MPa)	$\Delta\sigma_{pt,c}$ (MPa)	$\Delta\sigma_{pt,r}$ (MPa)	$\Delta\sigma_{pt,s+c+r}$ (MPa)	$\sigma_{p\infty}$ (MPa)	P_∞ (kN)
91,840	-1,481	-1,662	0,612	60,255	23,174	29,683	90,066	1048,144	15847,940
92,332	-1,495	-1,690	0,613	60,255	23,555	29,943	90,353	1050,512	15883,743
92,824	-1,505	-1,711	0,615	60,255	23,858	30,204	90,620	1052,902	15919,871
93,316	-1,513	-1,724	0,616	60,255	24,030	30,468	90,824	1055,353	15956,939
93,808	-1,517	-1,748	0,618	60,255	24,370	30,734	91,215	1057,618	15991,179
94,300	-1,519	-1,778	0,619	60,255	24,792	31,003	91,723	1059,765	16023,652
94,797	-1,517	-1,787	0,620	60,255	24,908	31,216	91,986	1061,596	16051,337
95,294	-1,513	-1,801	0,621	60,255	25,105	31,430	92,367	1063,310	16077,242
95,791	-1,505	-1,826	0,622	60,255	25,455	31,646	92,926	1064,845	16100,458
96,288	-1,494	-1,840	0,624	60,255	25,648	31,863	93,404	1066,461	16124,893
96,785	-1,480	-1,848	0,625	60,255	25,758	32,082	93,863	1068,097	16149,623
97,282	-1,463	-1,871	0,626	60,255	26,088	32,302	94,556	1069,498	16170,813
97,779	-1,443	-1,890	0,627	60,255	26,346	32,523	95,238	1070,910	16192,157
98,276	-1,419	-1,896	0,628	60,255	26,430	32,746	95,822	1072,420	16214,996
98,773	-1,393	-1,914	0,629	60,255	26,680	32,970	96,595	1073,742	16234,973
99,270	-1,363	-1,935	0,630	60,255	26,978	33,196	97,456	1074,975	16253,619
99,767	-1,331	-1,943	0,631	60,255	27,083	33,423	98,196	1076,329	16274,089
100,264	-1,295	-1,956	0,633	60,255	27,267	33,651	99,048	1077,571	16292,876
100,761	-1,256	-1,978	0,634	60,255	27,569	33,881	100,044	1078,670	16309,483
101,258	-1,214	-1,992	0,635	60,255	27,773	34,113	100,992	1079,815	16326,804
101,755	-1,169	-2,004	0,636	60,255	27,939	34,346	101,943	1080,959	16344,093
102,252	-1,120	-2,029	0,637	60,255	28,289	34,580	103,088	1081,908	16358,442
102,748	-1,069	-2,054	0,638	60,255	28,629	34,816	104,253	1082,837	16372,499
103,245	-1,014	-2,071	0,639	60,255	28,878	35,053	105,359	1083,826	16387,442
103,742	-0,957	-2,103	0,640	60,255	29,318	35,292	106,655	1084,624	16399,509
104,239	-0,896	-2,140	0,642	60,255	29,835	35,533	108,033	1085,340	16410,342
104,736	-0,832	-2,173	0,643	60,255	30,300	35,775	109,369	1086,098	16421,804
105,233	-0,765	-2,217	0,644	60,255	30,913	36,018	110,838	1086,723	16431,259
105,730	-0,695	-2,272	0,645	60,255	31,676	36,263	112,435	1087,221	16438,780
106,227	-0,622	-2,330	0,646	60,255	32,480	36,510	114,049	1087,701	16446,042
106,724	-0,546	-2,394	0,647	60,255	33,382	36,758	115,722	1088,122	16452,402
107,221	-0,466	-2,475	0,648	60,255	34,505	37,008	117,561	1088,377	16456,267
107,718	-0,384	-2,566	0,649	60,255	35,777	37,259	119,482	1088,550	16458,879

x [m]	e [m]	σ_c (MPa)	μ	$\Delta\sigma_{pt,s}$ (MPa)	$\Delta\sigma_{pt,c}$ (MPa)	$\Delta\sigma_{pt,r}$ (MPa)	$\Delta\sigma_{pt,s+c+r}$ (MPa)	$\sigma_{p\infty}$ (MPa)	P_∞ (kN)
108,215	-0,298	-2,986	0,651	60,255	41,628	37,512	125,696	1084,431	16396,597
108,712	-0,209	-3,010	0,652	60,255	41,964	37,766	126,572	1085,648	16415,004
109,209	-0,117	-3,050	0,653	60,255	42,524	38,022	127,548	1086,767	16431,917
109,706	-0,022	-3,109	0,654	60,255	43,338	38,280	128,634	1087,775	16447,156
110,203	0,076	-3,186	0,655	60,255	44,415	38,540	129,822	1088,682	16460,869
110,700	0,177	-3,282	0,656	60,255	45,756	38,801	131,091	1089,507	16473,340
111,110	0,258	-2,962	0,653	60,255	40,786	38,087	126,209	1088,629	16460,069
111,520	0,330	-2,993	0,650	60,255	41,224	37,385	125,799	1083,279	16379,179
111,930	0,393	-2,998	0,647	60,255	41,281	36,695	125,012	1078,307	16304,000
112,340	0,448	-2,967	0,644	60,255	40,860	36,018	123,778	1073,781	16235,563
112,750	0,495	-2,897	0,641	60,255	39,894	35,352	122,058	1069,741	16174,482
113,160	0,533	-2,272	0,638	60,255	30,643	34,697	113,695	1072,344	16213,841
113,570	0,563	-2,148	0,635	60,255	28,970	34,054	111,441	1068,838	16160,834
113,980	0,584	-1,992	0,631	60,255	26,865	33,422	108,828	1065,691	16113,249
114,390	0,597	-1,808	0,628	60,255	24,378	32,801	105,908	1062,851	16070,310
114,800	0,601	-1,601	0,625	60,255	21,588	32,191	102,754	1060,246	16030,915
115,210	0,597	-1,766	0,622	60,255	23,814	31,591	104,444	1052,796	15918,274
115,620	0,584	-1,909	0,619	60,255	25,752	31,002	105,915	1045,566	15808,954
116,030	0,563	-2,028	0,616	60,255	27,346	30,423	107,107	1038,613	15703,833
116,440	0,533	-2,118	0,613	60,255	28,558	29,854	107,984	1031,977	15603,490
116,850	0,495	-2,178	0,610	60,255	29,998	29,295	109,060	1025,141	15500,128
117,260	0,448	-2,710	0,607	60,255	37,324	28,745	114,867	1013,574	15325,245
117,670	0,393	-2,718	0,604	60,255	37,434	28,205	114,850	1007,831	15238,412
118,080	0,330	-2,698	0,600	60,255	37,160	27,675	114,471	1002,451	15157,058
118,490	0,258	-2,657	0,597	60,255	36,592	27,154	113,790	997,371	15080,253
118,900	0,177	-2,932	0,594	60,255	40,382	26,642	116,688	988,713	14949,348
119,356	0,084	-2,874	0,593	60,255	40,072	26,444	116,380	986,766	14919,898
119,811	-0,006	-2,824	0,592	60,255	39,371	26,247	115,610	985,279	14897,424
120,267	-0,094	-2,782	0,591	60,255	38,780	26,051	114,829	983,804	14875,112
120,722	-0,179	-2,748	0,589	60,255	38,309	25,857	114,060	982,317	14852,627
121,178	-0,261	-2,722	0,588	60,255	37,943	25,665	113,299	980,821	14830,012
121,633	-0,341	-2,338	0,587	60,255	32,597	25,473	107,721	984,143	14880,240
122,089	-0,418	-2,240	0,586	60,255	31,222	25,283	105,874	983,734	14874,057

x [m]	e [m]	σ_c (MPa)	μ	$\Delta\sigma_{pt,s}$ (MPa)	$\Delta\sigma_{pt,c}$ (MPa)	$\Delta\sigma_{pt,r}$ (MPa)	$\Delta\sigma_{pt,s+c+r}$ (MPa)	$\sigma_{p\infty}$ (MPa)	P_∞ (kN)
122,544	-0,493	-2,144	0,585	60,255	29,884	25,094	104,014	983,337	14868,057
123,000	-0,565	-2,053	0,583	60,255	28,616	24,907	102,185	982,910	14861,597
123,492	-0,640	-1,982	0,585	60,255	27,629	25,128	100,853	986,897	14921,887
123,984	-0,711	-1,911	0,586	60,255	26,647	25,350	99,500	990,906	14982,501
124,476	-0,780	-1,845	0,588	60,255	25,721	25,575	98,183	994,879	15042,573
124,968	-0,846	-1,791	0,589	60,255	24,974	25,801	97,022	998,696	15100,284
125,460	-0,908	-1,745	0,591	60,255	24,328	26,029	95,952	1002,422	15156,616
125,952	-0,968	-1,698	0,592	60,255	23,677	26,259	94,882	1006,148	15212,955
126,444	-1,024	-1,661	0,593	60,255	23,160	26,491	93,943	1009,742	15267,295
126,936	-1,078	-1,638	0,595	60,255	22,842	26,725	93,197	1013,144	15318,735
127,428	-1,128	-1,610	0,596	60,255	22,444	26,960	92,398	1016,599	15370,978
127,920	-1,175	-1,586	0,598	60,255	22,108	27,198	91,677	1019,976	15422,031
128,412	-1,220	-1,581	0,599	60,255	22,034	27,437	91,211	1023,097	15469,227
128,904	-1,261	-1,572	0,601	60,255	21,918	27,679	90,736	1026,228	15516,568
129,396	-1,299	-1,562	0,602	60,255	21,781	27,922	90,273	1029,347	15563,727
129,888	-1,334	-1,566	0,603	60,255	21,837	28,168	90,010	1032,265	15607,851
130,380	-1,366	-1,576	0,605	60,255	21,976	28,415	89,853	1035,078	15650,386
130,872	-1,395	-1,578	0,606	60,255	21,993	28,665	89,627	1037,960	15693,958
131,364	-1,421	-1,587	0,608	60,255	22,121	28,916	89,535	1040,708	15735,502
131,856	-1,444	-1,610	0,609	60,255	22,439	29,170	89,643	1043,256	15774,026
132,348	-1,464	-1,622	0,611	60,255	22,606	29,425	89,665	1045,890	15813,849
132,840	-1,481	-1,632	0,612	60,255	22,752	29,683	89,711	1048,498	15853,294
133,332	-1,495	-1,661	0,613	60,255	23,157	29,943	90,019	1050,846	15888,795
133,824	-1,505	-1,684	0,615	60,255	23,483	30,204	90,306	1053,215	15924,610
134,316	-1,513	-1,699	0,616	60,255	23,681	30,468	90,532	1055,645	15961,353
134,808	-1,517	-1,725	0,618	60,255	24,047	30,734	90,945	1057,888	15995,261
135,300	-1,519	-1,757	0,619	60,255	24,496	31,003	91,476	1060,013	16027,394
135,797	-1,517	-1,767	0,620	60,255	24,639	31,216	91,762	1061,821	16054,731
136,294	-1,513	-1,783	0,621	60,255	24,864	31,430	92,166	1063,511	16080,284
136,791	-1,505	-1,811	0,622	60,255	25,242	31,646	92,748	1065,023	16103,145
137,288	-1,494	-1,827	0,624	60,255	25,464	31,863	93,250	1066,615	16127,224
137,785	-1,480	-1,836	0,625	60,255	25,603	32,082	93,732	1068,227	16151,599
138,282	-1,463	-1,862	0,626	60,255	25,961	32,302	94,448	1069,606	16172,436

x [m]	e [m]	σ_c (MPa)	μ	$\Delta\sigma_{pt,s}$ (MPa)	$\Delta\sigma_{pt,c}$ (MPa)	$\Delta\sigma_{pt,r}$ (MPa)	$\Delta\sigma_{pt,s+c+r}$ (MPa)	$\sigma_{p\infty}$ (MPa)	P_∞ (kN)
138,779	-1,443	-1,883	0,627	60,255	26,247	32,523	95,154	1070,994	16193,429
139,276	-1,419	-1,891	0,628	60,255	26,358	32,746	95,760	1072,482	16215,925
139,773	-1,393	-1,910	0,629	60,255	26,634	32,970	96,556	1073,781	16235,565
140,270	-1,363	-1,934	0,630	60,255	26,958	33,196	97,438	1074,992	16253,884
140,767	-1,331	-1,943	0,631	60,255	27,087	33,423	98,200	1076,325	16274,036
141,264	-1,295	-1,958	0,633	60,255	27,294	33,651	99,071	1077,548	16292,520
141,761	-1,256	-1,981	0,634	60,255	27,618	33,881	100,086	1078,627	16308,838
142,258	-1,214	-1,997	0,635	60,255	27,842	34,113	101,053	1079,754	16325,887
142,755	-1,169	-2,010	0,636	60,255	28,026	34,346	102,020	1080,881	16342,925
143,252	-1,120	-2,037	0,637	60,255	28,393	34,580	103,181	1081,815	16357,045
143,748	-1,069	-2,062	0,638	60,255	28,748	34,816	104,359	1082,731	16370,897
144,245	-1,014	-2,081	0,639	60,255	29,008	35,053	105,477	1083,708	16385,664
144,742	-0,957	-2,113	0,640	60,255	29,459	35,292	106,782	1084,496	16397,585
145,239	-0,896	-2,151	0,642	60,255	29,982	35,533	108,167	1085,205	16408,306
145,736	-0,832	-2,184	0,643	60,255	30,452	35,775	109,509	1085,959	16419,693
146,233	-0,765	-2,228	0,644	60,255	31,067	36,018	110,980	1086,582	16429,113
146,730	-0,695	-2,283	0,645	60,255	31,829	36,263	112,576	1087,080	16436,643
147,227	-0,622	-2,340	0,646	60,255	32,627	36,510	114,185	1087,564	16443,973
147,724	-0,546	-2,404	0,647	60,255	33,517	36,758	115,849	1087,995	16450,486
148,221	-0,466	-2,484	0,648	60,255	34,626	37,008	117,675	1088,263	16454,543
148,718	-0,384	-2,574	0,649	60,255	35,881	37,259	119,581	1088,452	16457,390
149,215	-0,298	-2,990	0,651	60,255	41,686	37,512	125,751	1084,375	16395,755
149,712	-0,209	-3,013	0,652	60,255	42,006	37,766	126,613	1085,608	16414,395
150,209	-0,117	-3,052	0,653	60,255	42,548	38,022	127,571	1086,744	16431,565
150,706	-0,022	-3,109	0,654	60,255	43,343	38,280	128,639	1087,770	16447,087
151,203	0,076	-3,185	0,655	60,255	44,398	38,540	129,806	1088,698	16461,110
151,700	0,177	-3,279	0,656	60,255	45,716	38,801	131,053	1089,545	16473,915
152,110	0,258	-2,958	0,653	60,255	40,736	38,087	126,161	1088,677	16460,797
152,520	0,330	-2,989	0,650	60,255	41,159	37,385	125,736	1083,342	16380,127
152,930	0,393	-2,992	0,647	60,255	41,202	36,695	124,936	1078,383	16305,149
153,340	0,448	-2,960	0,644	60,255	40,767	36,018	123,690	1073,869	16236,894
153,750	0,495	-2,889	0,641	60,255	39,790	35,352	121,959	1069,840	16175,975
154,160	0,533	-2,266	0,638	60,255	30,554	34,697	113,609	1072,430	16215,140

x [m]	e [m]	σ_c (MPa)	μ	$\Delta\sigma_{pt,s}$ (MPa)	$\Delta\sigma_{pt,c}$ (MPa)	$\Delta\sigma_{pt,r}$ (MPa)	$\Delta\sigma_{pt,s+c+r}$ (MPa)	$\sigma_{p\infty}$ (MPa)	P_∞ (kN)
154,570	0,563	-2,141	0,635	60,255	28,873	34,054	111,349	1068,930	16162,227
154,980	0,584	-1,984	0,631	60,255	26,763	33,422	108,731	1065,788	16114,718
155,390	0,597	-1,800	0,628	60,255	24,273	32,801	105,808	1062,952	16071,836
155,800	0,601	-1,593	0,625	60,255	21,480	32,191	102,651	1060,349	16032,477
156,210	0,597	-1,758	0,622	60,255	23,711	31,591	104,346	1052,894	15919,762
156,620	0,584	-1,902	0,619	60,255	25,656	31,002	105,823	1045,658	15810,343
157,030	0,563	-2,021	0,616	60,255	27,257	30,423	107,023	1038,698	15705,108
157,440	0,533	-2,112	0,613	60,255	28,479	29,854	107,908	1032,053	15604,639
157,850	0,495	-2,173	0,610	60,255	29,927	29,295	108,992	1025,209	15501,160
158,260	0,448	-2,705	0,607	60,255	37,248	28,745	114,795	1013,646	15326,334
158,670	0,393	-2,714	0,604	60,255	37,371	28,205	114,790	1007,891	15239,313
159,080	0,330	-2,695	0,600	60,255	37,111	27,675	114,424	1002,498	15157,767
159,490	0,258	-2,655	0,597	60,255	36,556	27,154	113,756	997,405	15080,771
159,900	0,177	-2,930	0,594	60,255	40,356	26,642	116,663	988,739	14949,730
160,356	0,084	-2,874	0,593	60,255	40,060	26,444	116,369	986,777	14920,066
160,811	-0,006	-2,824	0,592	60,255	39,372	26,247	115,611	985,279	14897,413
161,267	-0,094	-2,782	0,591	60,255	38,791	26,051	114,839	983,794	14874,960
161,722	-0,179	-2,749	0,589	60,255	38,327	25,857	114,077	982,300	14852,369
162,178	-0,261	-2,723	0,588	60,255	37,966	25,665	113,321	980,799	14829,687
162,633	-0,341	-2,342	0,587	60,255	32,650	25,473	107,771	984,093	14879,484
163,089	-0,418	-2,244	0,586	60,255	31,279	25,283	105,927	983,680	14873,244
163,544	-0,493	-2,148	0,585	60,255	29,942	25,094	104,069	983,283	14867,233
164,000	-0,565	-2,057	0,583	60,255	28,672	24,907	102,238	982,857	14860,805
164,492	-0,640	-1,985	0,585	60,255	27,680	25,128	100,900	986,850	14921,176
164,984	-0,711	-1,914	0,586	60,255	26,690	25,350	99,540	990,866	14981,897
165,476	-0,780	-1,847	0,588	60,255	25,754	25,575	98,213	994,849	15042,113
165,968	-0,846	-1,793	0,589	60,255	24,994	25,801	97,041	998,677	15100,001
166,460	-0,908	-1,745	0,591	60,255	24,333	26,029	95,957	1002,417	15156,543
166,952	-0,968	-1,697	0,592	60,255	23,665	26,259	94,871	1006,159	15213,117
167,444	-1,024	-1,659	0,593	60,255	23,129	26,491	93,915	1009,770	15267,719
167,936	-1,078	-1,635	0,595	60,255	22,790	26,725	93,150	1013,191	15319,443
168,428	-1,128	-1,604	0,596	60,255	22,368	26,960	92,331	1016,666	15371,991
168,920	-1,175	-1,579	0,598	60,255	22,008	27,198	91,589	1020,064	15423,365

x [m]	e [m]	σ_c (MPa)	μ	$\Delta\sigma_{pt,s}$ (MPa)	$\Delta\sigma_{pt,c}$ (MPa)	$\Delta\sigma_{pt,r}$ (MPa)	$\Delta\sigma_{pt,s+c+r}$ (MPa)	$\sigma_{p\infty}$ (MPa)	P_∞ (kN)
169,412	-1,220	-1,571	0,599	60,255	21,908	27,437	91,101	1023,207	15470,896
169,904	-1,261	-1,561	0,601	60,255	21,765	27,679	90,602	1026,362	15518,586
170,396	-1,299	-1,549	0,602	60,255	21,599	27,922	90,115	1029,504	15566,105
170,888	-1,334	-1,551	0,603	60,255	21,626	28,168	89,828	1032,447	15610,597
171,380	-1,366	-1,559	0,605	60,255	21,735	28,415	89,646	1035,285	15653,507
171,872	-1,395	-1,558	0,606	60,255	21,721	28,665	89,395	1038,192	15697,460
172,364	-1,421	-1,565	0,608	60,255	21,818	28,916	89,278	1040,965	15739,387
172,856	-1,444	-1,586	0,609	60,255	22,104	29,170	89,360	1043,538	15778,297
173,348	-1,464	-1,595	0,611	60,255	22,241	29,425	89,356	1046,198	15818,506
173,840	-1,481	-1,604	0,612	60,255	22,355	29,683	89,378	1048,832	15858,336
174,332	-1,495	-1,630	0,613	60,255	22,729	29,943	89,661	1051,205	15894,219
174,824	-1,505	-1,652	0,615	60,255	23,025	30,204	89,923	1053,599	15930,412
175,316	-1,513	-1,664	0,616	60,255	23,192	30,468	90,124	1056,053	15967,527
175,808	-1,517	-1,688	0,618	60,255	23,529	30,734	90,513	1058,320	16001,801
176,300	-1,519	-1,718	0,619	60,255	23,949	31,003	91,020	1060,469	16034,290
176,797	-1,517	-1,726	0,620	60,255	24,065	31,216	91,283	1062,300	16061,977
177,294	-1,513	-1,740	0,621	60,255	24,264	31,430	91,664	1064,012	16087,867
177,791	-1,505	-1,766	0,622	60,255	24,617	31,646	92,225	1065,546	16111,053
178,288	-1,494	-1,791	0,624	60,255	24,962	31,863	92,829	1067,036	16133,589
178,785	-1,480	-1,814	0,625	60,255	25,296	32,082	93,474	1068,485	16155,497
179,282	-1,463	-1,825	0,626	60,255	25,441	32,302	94,010	1070,044	16179,064
179,779	-1,443	-1,832	0,627	60,255	25,541	32,523	94,557	1071,591	16202,456
180,276	-1,419	-1,839	0,628	60,255	25,637	32,746	95,148	1073,094	16225,178
180,773	-1,393	-1,858	0,629	60,255	25,901	32,970	95,931	1074,406	16245,017
181,270	-1,363	-1,880	0,630	60,255	26,215	33,196	96,802	1075,629	16263,506
181,767	-1,331	-1,889	0,631	60,255	26,337	33,423	97,554	1076,971	16283,797
182,264	-1,295	-1,904	0,633	60,255	26,540	33,651	98,419	1078,200	16302,384
182,761	-1,256	-1,927	0,634	60,255	26,864	33,881	99,430	1079,284	16318,769
183,258	-1,214	-1,943	0,635	60,255	27,090	34,113	100,395	1080,413	16335,842
183,755	-1,169	-1,957	0,636	60,255	27,281	34,346	101,363	1081,538	16352,860
184,252	-1,120	-1,984	0,637	60,255	27,658	34,580	102,528	1082,468	16366,912
184,748	-1,069	-2,010	0,638	60,255	28,026	34,816	103,714	1083,376	16380,644
185,245	-1,014	-2,030	0,639	60,255	28,304	35,053	104,844	1084,341	16395,233

x [m]	e [m]	σ_c (MPa)	μ	$\Delta\sigma_{pt,s}$ (MPa)	$\Delta\sigma_{pt,c}$ (MPa)	$\Delta\sigma_{pt,r}$ (MPa)	$\Delta\sigma_{pt,s+c+r}$ (MPa)	$\sigma_{p\infty}$ (MPa)	P_∞ (kN)
185,742	-0,957	-2,064	0,640	60,255	28,777	35,292	106,165	1085,114	16406,916
186,239	-0,896	-2,104	0,642	60,255	29,327	35,533	107,570	1085,803	16417,335
186,736	-0,832	-2,140	0,643	60,255	29,828	35,775	108,936	1086,531	16428,350
187,233	-0,765	-2,186	0,644	60,255	30,479	36,018	110,437	1087,125	16437,325
187,730	-0,695	-2,244	0,645	60,255	31,281	36,263	112,067	1087,588	16444,333
188,227	-0,622	-2,304	0,646	60,255	32,125	36,510	113,716	1088,033	16451,064
188,724	-0,546	-2,372	0,647	60,255	33,066	36,758	115,425	1088,419	16456,899
189,221	-0,466	-2,455	0,648	60,255	34,231	37,008	117,302	1088,637	16460,186
189,718	-0,384	-2,550	0,649	60,255	35,548	37,259	119,265	1088,768	16462,167
190,215	-0,298	-2,973	0,651	60,255	41,447	37,512	125,523	1084,604	16399,208
190,712	-0,209	-3,001	0,652	60,255	41,834	37,766	126,449	1085,772	16416,869
191,209	-0,117	-3,045	0,653	60,255	42,450	38,022	127,478	1086,837	16432,980
191,706	-0,022	-3,108	0,654	60,255	43,324	38,280	128,621	1087,788	16447,361
192,203	0,076	-3,189	0,655	60,255	44,464	38,540	129,868	1088,635	16460,163
192,700	0,177	-3,290	0,656	60,255	45,871	38,801	131,202	1089,396	16471,671
193,110	0,258	-2,972	0,653	60,255	40,930	38,087	126,348	1088,490	16457,975
193,520	0,330	-3,007	0,650	60,255	41,411	37,385	125,978	1083,100	16376,478
193,930	0,393	-3,014	0,647	60,255	41,506	36,695	125,226	1078,092	16300,752
194,340	0,448	-2,986	0,644	60,255	41,119	36,018	124,025	1073,534	16231,831
194,750	0,495	-2,918	0,641	60,255	40,183	35,352	122,333	1069,466	16170,330
195,160	0,533	-2,291	0,638	60,255	30,891	34,697	113,932	1072,107	16210,256
195,570	0,563	-2,168	0,635	60,255	29,233	34,054	111,693	1068,586	16157,017
195,980	0,584	-2,012	0,631	60,255	27,141	33,422	109,093	1065,427	16109,254
196,390	0,597	-1,829	0,628	60,255	24,664	32,801	106,181	1062,579	16066,191
196,800	0,601	-1,622	0,625	60,255	21,878	32,191	103,031	1059,969	16026,734
197,210	0,597	-1,786	0,622	60,255	24,086	31,591	104,705	1052,535	15914,334
197,620	0,584	-1,928	0,619	60,255	26,005	31,002	106,156	1045,324	15805,299
198,030	0,563	-2,045	0,616	60,255	27,576	30,423	107,327	1038,393	15700,502
198,440	0,533	-2,133	0,613	60,255	28,763	29,854	108,180	1031,780	15600,516
198,850	0,495	-2,192	0,610	60,255	30,180	29,295	109,235	1024,966	15497,481
199,260	0,448	-2,724	0,607	60,255	37,516	28,745	115,050	1013,391	15322,479
199,670	0,393	-2,730	0,604	60,255	37,590	28,205	114,999	1007,682	15236,152
200,080	0,330	-2,707	0,600	60,255	37,282	27,675	114,587	1002,335	15155,304

x [m]	e [m]	σ_c (MPa)	μ	$\Delta\sigma_{pt,s}$ (MPa)	$\Delta\sigma_{pt,c}$ (MPa)	$\Delta\sigma_{pt,r}$ (MPa)	$\Delta\sigma_{pt,s+c+r}$ (MPa)	$\sigma_{p\infty}$ (MPa)	P_∞ (kN)
200,490	0,258	-2,663	0,597	60,255	36,679	27,154	113,874	997,288	15078,993
200,900	0,177	-2,937	0,594	60,255	40,446	26,642	116,749	988,653	14948,434
201,356	0,084	-2,876	0,593	60,255	40,099	26,444	116,406	986,740	14919,506
201,811	-0,006	-2,824	0,592	60,255	39,370	26,247	115,608	985,281	14897,449
202,267	-0,094	-2,780	0,591	60,255	38,758	26,051	114,808	983,825	14875,440
202,722	-0,179	-2,745	0,589	60,255	38,273	25,857	114,026	982,351	14853,148
203,178	-0,261	-2,719	0,588	60,255	37,901	25,665	113,259	980,861	14830,625
203,633	-0,341	-2,335	0,587	60,255	32,554	25,473	107,680	984,184	14880,856
204,089	-0,418	-2,237	0,586	60,255	31,186	25,283	105,840	983,768	14874,572
204,544	-0,493	-2,142	0,585	60,255	29,861	25,094	103,993	983,359	14868,383
205,000	-0,565	-2,052	0,583	60,255	28,612	24,907	102,182	982,913	14861,651
205,492	-0,640	-1,983	0,585	60,255	27,652	25,128	100,875	986,876	14921,563
205,984	-0,711	-1,916	0,586	60,255	26,709	25,350	99,557	990,849	14981,638
206,476	-0,780	-1,853	0,588	60,255	25,828	25,575	98,282	994,781	15041,082
206,968	-0,846	-1,803	0,589	60,255	25,132	25,801	97,167	998,551	15098,085
207,460	-0,908	-1,761	0,591	60,255	24,544	26,029	96,149	1002,225	15153,638
207,952	-0,968	-1,718	0,592	60,255	23,956	26,259	95,134	1005,895	15209,132
208,444	-1,024	-1,686	0,593	60,255	23,508	26,491	94,256	1009,429	15262,571
208,936	-1,078	-1,669	0,595	60,255	23,263	26,725	93,572	1012,769	15313,061
209,428	-1,128	-1,646	0,596	60,255	22,941	26,960	92,838	1016,158	15364,312
209,920	-1,175	-1,627	0,598	60,255	22,686	27,198	92,186	1019,467	15414,336
210,412	-1,220	-1,628	0,599	60,255	22,696	27,437	91,790	1022,518	15460,472
210,904	-1,261	-1,626	0,601	60,255	22,667	27,679	91,387	1025,577	15506,728
211,396	-1,299	-1,622	0,602	60,255	22,617	27,922	90,996	1028,623	15552,784
211,888	-1,334	-1,633	0,603	60,255	22,764	28,168	90,808	1031,468	15595,790
212,380	-1,366	-1,649	0,605	60,255	22,995	28,415	90,725	1034,206	15637,195
212,872	-1,395	-1,657	0,606	60,255	23,104	28,665	90,574	1037,013	15679,635
213,364	-1,421	-1,673	0,608	60,255	23,326	28,916	90,557	1039,686	15720,045
213,856	-1,444	-1,703	0,609	60,255	23,736	29,170	90,740	1042,159	15757,439
214,348	-1,464	-1,721	0,611	60,255	23,996	29,425	90,836	1044,718	15796,138
214,840	-1,481	-1,738	0,612	60,255	24,234	29,683	90,956	1047,253	15834,471
215,332	-1,495	-1,774	0,613	60,255	24,728	29,943	91,337	1049,529	15868,876
215,824	-1,505	-1,803	0,615	60,255	25,142	30,204	91,695	1051,826	15903,611

x [m]	e [m]	σ_c (MPa)	μ	$\Delta\sigma_{pt,s}$ (MPa)	$\Delta\sigma_{pt,c}$ (MPa)	$\Delta\sigma_{pt,r}$ (MPa)	$\Delta\sigma_{pt,s+c+r}$ (MPa)	$\sigma_{p\infty}$ (MPa)	P_∞ (kN)
216,316	-1,513	-1,824	0,616	60,255	25,426	30,468	91,990	1054,187	15939,300
216,808	-1,517	-1,856	0,618	60,255	25,874	30,734	92,471	1056,361	15972,181
217,300	-1,519	-1,894	0,619	60,255	26,403	31,003	93,068	1058,420	16003,318
217,797	-1,517	-1,910	0,620	60,255	26,622	31,216	93,418	1060,164	16029,685
218,294	-1,513	-1,931	0,621	60,255	26,919	31,430	93,884	1061,793	16054,310
218,791	-1,505	-1,963	0,622	60,255	27,364	31,646	94,524	1063,247	16076,289
219,288	-1,494	-1,983	0,624	60,255	27,648	31,863	95,081	1064,784	16099,535
219,785	-1,480	-1,997	0,625	60,255	27,843	32,082	95,615	1066,345	16123,136
220,282	-1,463	-2,026	0,626	60,255	28,250	32,302	96,378	1067,676	16143,261
220,779	-1,443	-2,050	0,627	60,255	28,579	32,523	97,126	1069,022	16163,609
221,276	-1,419	-2,060	0,628	60,255	28,725	32,746	97,770	1070,472	16185,536
221,773	-1,393	-2,082	0,629	60,255	29,030	32,970	98,598	1071,739	16204,690
222,270	-1,363	-2,107	0,630	60,255	29,373	33,196	99,507	1072,924	16222,611
222,767	-1,331	-2,117	0,631	60,255	29,513	33,423	100,288	1074,237	16242,464
223,264	-1,295	-2,132	0,633	60,255	29,721	33,651	101,172	1075,447	16260,755
223,761	-1,256	-2,155	0,634	60,255	30,038	33,881	102,192	1076,521	16276,996
224,258	-1,214	-2,169	0,635	60,255	30,243	34,113	103,156	1077,652	16294,093
224,755	-1,169	-2,180	0,636	60,255	30,399	34,346	104,111	1078,791	16311,314
225,252	-1,120	-2,204	0,637	60,255	30,725	34,580	105,250	1079,746	16325,765
225,748	-1,069	-2,226	0,638	60,255	31,028	34,816	106,395	1080,695	16340,106
226,245	-1,014	-2,240	0,639	60,255	31,225	35,053	107,470	1081,715	16355,529
226,742	-0,957	-2,267	0,640	60,255	31,599	35,292	108,720	1082,559	16368,288
227,239	-0,896	-2,298	0,642	60,255	32,033	35,533	110,037	1083,336	16380,042
227,736	-0,832	-2,324	0,643	60,255	32,400	35,775	111,296	1084,171	16392,668
228,233	-0,765	-2,360	0,644	60,255	32,897	36,018	112,671	1084,891	16403,545
228,730	-0,695	-2,405	0,645	60,255	33,527	36,263	114,155	1085,500	16412,763
229,227	-0,622	-2,451	0,646	60,255	34,177	36,510	115,635	1086,114	16422,051
229,724	-0,546	-2,504	0,647	60,255	34,904	36,758	117,153	1086,690	16430,760
230,221	-0,466	-2,570	0,648	60,255	35,834	37,008	118,817	1087,121	16437,273
230,718	-0,384	-2,646	0,649	60,255	36,894	37,259	120,543	1087,490	16442,843
231,215	-0,298	-3,030	0,651	60,255	42,244	37,512	126,282	1083,844	16387,726
231,712	-0,209	-3,042	0,652	60,255	42,405	37,766	126,994	1085,227	16408,627
232,209	-0,117	-3,068	0,653	60,255	42,776	38,022	127,790	1086,525	16428,262

x [m]	e [m]	σ_c (MPa)	μ	$\Delta\sigma_{pt,s}$ (MPa)	$\Delta\sigma_{pt,c}$ (MPa)	$\Delta\sigma_{pt,r}$ (MPa)	$\Delta\sigma_{pt,s+c+r}$ (MPa)	$\sigma_{p\infty}$ (MPa)	P_∞ (kN)
232,706	-0,022	-3,112	0,654	60,255	43,387	38,280	128,681	1087,728	16446,445
233,203	0,076	-3,174	0,655	60,255	44,244	38,540	129,658	1088,845	16463,341
233,700	0,177	-3,253	0,656	60,255	45,350	38,801	130,703	1089,895	16479,212
234,110	0,258	-2,925	0,653	60,255	40,276	38,087	125,720	1089,118	16467,464
234,520	0,330	-2,945	0,650	60,255	40,562	37,385	125,166	1083,913	16388,759
234,930	0,393	-2,939	0,647	60,255	40,481	36,695	124,247	1079,072	16315,565
235,340	0,448	-2,900	0,644	60,255	39,934	36,018	122,896	1074,663	16248,903
235,750	0,495	-2,822	0,641	60,255	38,857	35,352	121,073	1070,726	16189,380
236,160	0,533	-2,206	0,638	60,255	29,752	34,697	112,841	1073,198	16226,750
236,570	0,563	-2,077	0,635	60,255	28,016	34,054	110,529	1069,750	16174,627
236,980	0,584	-1,918	0,631	60,255	25,862	33,422	107,870	1066,649	16127,739
237,390	0,597	-1,731	0,628	60,255	23,340	32,801	104,917	1063,843	16085,302
237,800	0,601	-1,522	0,625	60,255	20,523	32,191	101,737	1061,263	16046,289
238,210	0,597	-1,691	0,622	60,255	22,806	31,591	103,482	1053,759	15932,829
238,620	0,584	-1,840	0,619	60,255	24,815	31,002	105,018	1046,462	15822,504
239,030	0,563	-1,964	0,616	60,255	26,489	30,423	106,287	1039,433	15716,227
239,440	0,533	-2,061	0,613	60,255	27,791	29,854	107,249	1032,712	15614,606
239,850	0,495	-2,129	0,610	60,255	29,312	29,295	108,403	1025,798	15510,069
240,260	0,448	-2,658	0,607	60,255	36,599	28,745	114,176	1014,265	15335,690
240,670	0,393	-2,675	0,604	60,255	36,839	28,205	114,282	1008,399	15246,999
241,080	0,330	-2,665	0,600	60,255	36,697	27,675	114,027	1002,895	15163,772
241,490	0,258	-2,633	0,597	60,255	36,257	27,154	113,469	997,693	15085,119
241,900	0,177	-2,914	0,594	60,255	40,136	26,642	116,453	988,949	14952,910
242,356	0,084	-2,867	0,593	60,255	39,965	26,444	116,277	986,868	14921,448
242,811	-0,006	-2,825	0,592	60,255	39,378	26,247	115,617	985,273	14897,324
243,267	-0,094	-2,789	0,591	60,255	38,875	26,051	114,920	983,713	14873,738
243,722	-0,179	-2,759	0,589	60,255	38,466	25,857	114,210	982,167	14850,367
244,178	-0,261	-2,735	0,588	60,255	38,136	25,665	113,483	980,637	14827,238
244,633	-0,341	-2,358	0,587	60,255	32,877	25,473	107,988	983,876	14876,211
245,089	-0,418	-2,258	0,586	60,255	31,486	25,283	106,123	983,484	14870,285
245,544	-0,493	-2,159	0,585	60,255	30,100	25,094	104,218	983,134	14864,980
246,000	-0,565	-2,063	0,583	60,255	28,755	24,907	102,316	982,779	14859,625
246,492	-0,640	-1,984	0,585	60,255	27,654	25,128	100,877	986,874	14921,534

x [m]	e [m]	σ_c (MPa)	μ	$\Delta\sigma_{pt,s}$ (MPa)	$\Delta\sigma_{pt,c}$ (MPa)	$\Delta\sigma_{pt,r}$ (MPa)	$\Delta\sigma_{pt,s+c+r}$ (MPa)	$\sigma_{p\infty}$ (MPa)	P_∞ (kN)
246,984	-0,711	-1,904	0,586	60,255	26,548	25,350	99,408	990,998	14983,890
247,476	-0,780	-1,827	0,588	60,255	25,474	25,575	97,955	995,107	15046,024
247,968	-0,846	-1,761	0,589	60,255	24,555	25,801	96,638	999,080	15106,090
248,460	-0,908	-1,701	0,591	60,255	23,716	26,029	95,395	1002,979	15165,037
248,952	-0,968	-1,639	0,592	60,255	22,852	26,259	94,136	1006,893	15224,225
249,444	-1,024	-1,586	0,593	60,255	22,105	26,491	92,996	1010,689	15281,624
249,936	-1,078	-1,545	0,595	60,255	21,539	26,725	92,035	1014,306	15336,305
250,428	-1,128	-1,498	0,596	60,255	20,879	26,960	91,011	1017,985	15391,940
250,920	-1,175	-1,454	0,598	60,255	20,268	27,198	90,057	1021,596	15446,527
251,412	-1,220	-1,428	0,599	60,255	19,907	27,437	89,350	1024,958	15497,370
251,904	-1,261	-1,398	0,601	60,255	19,495	27,679	88,628	1028,336	15548,443
252,396	-1,299	-1,367	0,602	60,255	19,051	27,922	87,912	1031,708	15599,418
252,888	-1,334	-1,348	0,603	60,255	18,796	28,168	87,393	1034,882	15647,415
253,380	-1,366	-1,335	0,605	60,255	18,618	28,415	86,978	1037,953	15693,850
253,872	-1,395	-1,314	0,606	60,255	18,314	28,665	86,492	1041,095	15741,360
254,364	-1,421	-1,300	0,608	60,255	18,119	28,916	86,139	1044,104	15786,849
254,856	-1,444	-1,299	0,609	60,255	18,114	29,170	85,986	1046,912	15829,314
255,348	-1,464	-1,288	0,611	60,255	17,961	29,425	85,750	1049,804	15873,041
255,840	-1,481	-1,276	0,612	60,255	17,788	29,683	85,540	1052,670	15916,370
256,332	-1,495	-1,282	0,613	60,255	17,878	29,943	85,594	1055,272	15955,708
256,824	-1,505	-1,284	0,615	60,255	17,898	30,204	85,632	1057,889	15995,280
257,316	-1,513	-1,277	0,616	60,255	17,797	30,468	85,613	1060,564	16035,720
257,808	-1,517	-1,282	0,618	60,255	17,872	30,734	85,788	1063,045	16073,235
258,300	-1,519	-1,294	0,619	60,255	18,042	31,003	86,087	1065,401	16108,870
258,797	-1,517	-1,285	0,620	60,255	17,918	31,216	86,149	1067,434	16139,603
259,294	-1,513	-1,283	0,621	60,255	17,890	31,430	86,336	1069,340	16168,427
259,791	-1,505	-1,293	0,622	60,255	18,031	31,646	86,713	1071,058	16194,404
260,288	-1,494	-1,294	0,624	60,255	18,035	31,863	87,021	1072,845	16221,411
260,785	-1,480	-1,289	0,625	60,255	17,975	32,082	87,321	1074,638	16248,534
261,282	-1,463	-1,302	0,626	60,255	18,156	32,302	87,870	1076,184	16271,905
261,779	-1,443	-1,312	0,627	60,255	18,288	32,523	88,424	1077,724	16295,190
262,276	-1,419	-1,311	0,628	60,255	18,270	32,746	88,895	1079,347	16319,727
262,773	-1,393	-1,323	0,629	60,255	18,445	32,970	89,574	1080,762	16341,125

x [m]	e [m]	σ_c (MPa)	μ	$\Delta\sigma_{pt,s}$ (MPa)	$\Delta\sigma_{pt,c}$ (MPa)	$\Delta\sigma_{pt,r}$ (MPa)	$\Delta\sigma_{pt,s+c+r}$ (MPa)	$\sigma_{p\infty}$ (MPa)	P_∞ (kN)
263,270	-1,363	-1,341	0,630	60,255	18,695	33,196	90,361	1082,070	16360,891
263,767	-1,331	-1,347	0,631	60,255	18,780	33,423	91,049	1083,476	16382,155
264,264	-1,295	-1,361	0,633	60,255	18,975	33,651	91,872	1084,747	16401,382
264,761	-1,256	-1,386	0,634	60,255	19,321	33,881	92,864	1085,849	16418,044
265,258	-1,214	-1,406	0,635	60,255	19,601	34,113	93,836	1086,972	16435,011
265,755	-1,169	-1,426	0,636	60,255	19,879	34,346	94,840	1088,061	16451,489
266,252	-1,120	-1,462	0,637	60,255	20,379	34,580	96,071	1088,925	16464,543
266,748	-1,069	-1,499	0,638	60,255	20,905	34,816	97,355	1089,735	16476,800
267,245	-1,014	-1,534	0,639	60,255	21,381	35,053	98,618	1090,566	16489,365
267,742	-0,957	-1,584	0,640	60,255	22,090	35,292	100,111	1091,168	16498,456
268,239	-0,896	-1,644	0,642	60,255	22,918	35,533	101,728	1091,645	16505,674
268,736	-0,832	-1,703	0,643	60,255	23,738	35,775	103,346	1092,121	16512,864
269,233	-0,765	-1,776	0,644	60,255	24,753	36,018	105,147	1092,414	16517,303
269,730	-0,695	-1,863	0,645	60,255	25,966	36,263	107,126	1092,530	16519,050
270,227	-0,622	-1,954	0,646	60,255	27,245	36,510	109,152	1092,598	16520,082
270,724	-0,546	-2,058	0,647	60,255	28,694	36,758	111,313	1092,531	16519,070
271,221	-0,466	-2,182	0,648	60,255	30,419	37,008	113,698	1092,241	16514,678
271,718	-0,384	-2,320	0,649	60,255	32,345	37,259	116,224	1091,808	16508,142
272,215	-0,298	-2,474	0,651	60,255	34,491	37,512	118,894	1091,233	16499,443
272,712	-0,209	-2,651	0,652	60,255	36,962	37,766	121,793	1090,428	16487,275
273,209	-0,117	-2,970	0,653	60,255	41,403	38,022	126,474	1087,841	16448,150
273,706	-0,022	-3,093	0,654	60,255	43,124	38,280	128,429	1087,980	16450,261
274,203	0,076	-3,239	0,655	60,255	45,159	38,540	130,535	1087,969	16450,090
274,700	0,177	-3,409	0,656	60,255	47,523	38,801	132,782	1087,816	16447,772
275,110	0,258	-3,123	0,653	60,255	43,003	38,087	128,336	1086,502	16427,904
275,520	0,330	-3,202	0,650	60,255	44,100	37,385	128,552	1080,526	16337,551
275,930	0,393	-3,250	0,647	60,255	44,758	36,695	128,331	1074,987	16253,802
276,340	0,448	-3,259	0,644	60,255	44,876	36,018	127,604	1069,955	16177,719
276,750	0,495	-3,223	0,641	60,255	44,385	35,352	126,326	1065,473	16109,944
277,160	0,533	-2,558	0,638	60,255	34,500	34,697	117,390	1068,649	16157,971
277,570	0,563	-2,454	0,635	60,255	33,092	34,054	115,386	1064,894	16101,190
277,980	0,584	-2,311	0,631	60,255	31,171	33,422	112,944	1061,575	16051,016
278,390	0,597	-2,136	0,628	60,255	28,805	32,801	110,136	1058,623	16006,383

x [m]	e [m]	σ_c (MPa)	μ	$\Delta\sigma_{pt,s}$ (MPa)	$\Delta\sigma_{pt,c}$ (MPa)	$\Delta\sigma_{pt,r}$ (MPa)	$\Delta\sigma_{pt,s+c+r}$ (MPa)	$\sigma_{p\infty}$ (MPa)	P_∞ (kN)
278,800	0,601	-1,933	0,625	60,255	26,072	32,191	107,036	1055,963	15966,166
279,210	0,597	-2,076	0,622	60,255	28,002	31,591	108,445	1048,795	15857,785
279,620	0,584	-2,194	0,619	60,255	29,595	31,002	109,587	1041,893	15753,426
280,030	0,563	-2,284	0,616	60,255	30,802	30,423	110,415	1035,306	15653,821
280,440	0,533	-2,343	0,613	60,255	31,601	29,854	110,900	1029,061	15559,403
280,850	0,495	-2,372	0,610	60,255	32,665	29,295	111,618	1022,582	15461,446
281,260	0,448	-2,911	0,607	60,255	40,085	28,745	117,497	1010,944	15285,469
281,670	0,393	-2,879	0,604	60,255	39,643	28,205	116,960	1005,722	15206,511
282,080	0,330	-2,820	0,600	60,255	38,835	27,675	116,074	1000,848	15132,816
282,490	0,258	-2,742	0,597	60,255	37,763	27,154	114,914	996,248	15063,265
282,900	0,177	-2,992	0,594	60,255	41,206	26,642	117,477	987,925	14937,433
283,356	0,084	-2,897	0,593	60,255	40,392	26,444	116,686	986,460	14915,269
283,811	-0,006	-2,823	0,592	60,255	39,354	26,247	115,593	985,296	14897,680
284,267	-0,094	-2,767	0,591	60,255	38,577	26,051	114,635	983,998	14878,050
284,722	-0,179	-2,729	0,589	60,255	38,042	25,857	113,804	982,573	14856,500
285,178	-0,261	-2,423	0,588	60,255	33,776	25,665	109,323	984,797	14890,136
285,633	-0,341	-2,328	0,587	60,255	32,456	25,473	107,587	984,277	14882,266
286,089	-0,418	-2,250	0,586	60,255	31,372	25,283	106,015	983,592	14871,915
286,544	-0,493	-2,184	0,585	60,255	30,446	25,094	104,544	982,807	14860,043
287,000	-0,565	-2,130	0,583	60,255	29,701	24,907	103,204	981,891	14846,198
287,492	-0,640	-2,557	0,659	60,255	35,641	39,406	119,004	1106,401	16728,790
287,984	-0,711	-2,593	0,661	60,255	36,155	39,906	119,137	1110,190	16786,075
288,476	-0,780	-2,649	0,663	60,255	36,925	40,413	119,468	1113,780	16840,358
288,968	-0,846	-2,729	0,665	60,255	38,049	40,925	120,093	1117,077	16890,206
289,460	-0,908	-2,828	0,667	60,255	39,425	41,444	120,921	1120,171	16936,985
289,952	-0,968	-2,937	0,669	60,255	40,946	41,968	121,858	1123,155	16982,098
290,444	-1,024	-3,065	0,671	60,255	42,726	42,499	123,015	1125,919	17023,897
290,936	-1,078	-3,214	0,674	60,255	44,812	43,036	124,436	1128,420	17061,718
291,428	-1,128	-3,365	0,676	60,255	46,906	43,580	125,857	1130,921	17099,520
291,920	-1,175	-3,525	0,678	60,255	49,144	44,129	127,407	1133,292	17135,380
292,412	-1,220	-3,709	0,680	60,255	51,702	44,686	129,245	1135,376	17166,890
292,904	-1,261	-3,892	0,682	60,255	54,261	45,249	131,093	1137,449	17198,229
293,396	-1,299	-4,076	0,684	60,255	56,826	45,818	132,966	1139,498	17229,213

x [m]	e [m]	σ_c (MPa)	μ	$\Delta\sigma_{pt,s}$ (MPa)	$\Delta\sigma_{pt,c}$ (MPa)	$\Delta\sigma_{pt,r}$ (MPa)	$\Delta\sigma_{pt,s+c+r}$ (MPa)	$\sigma_{p\infty}$ (MPa)	P_∞ (kN)
293,888	-1,334	-4,275	0,686	60,255	59,597	46,395	135,039	1141,346	17257,159
294,380	-1,366	-4,480	0,688	60,255	62,455	46,978	137,216	1143,091	17283,537
294,872	-1,395	-4,674	0,690	60,255	65,163	47,568	139,300	1144,929	17311,320
295,364	-1,421	-4,874	0,693	60,255	67,949	48,165	141,492	1146,658	17337,471
295,856	-1,444	-5,084	0,695	60,255	70,875	48,769	143,849	1148,222	17361,120
296,348	-1,464	-5,280	0,697	60,255	73,610	49,380	146,099	1149,895	17386,405
296,840	-1,481	-5,468	0,699	60,255	76,225	49,999	148,306	1151,609	17412,325
297,332	-1,495	-5,667	0,701	60,255	79,007	50,624	150,718	1153,118	17435,149
297,824	-1,505	-5,856	0,703	60,255	81,644	51,257	153,079	1154,679	17458,745
298,316	-1,513	-6,025	0,705	60,255	83,998	51,898	155,278	1156,402	17484,794
298,808	-1,517	-6,197	0,707	60,255	86,389	52,546	157,587	1158,014	17509,168
299,300	-1,519	-6,364	0,709	60,255	88,720	53,201	159,931	1159,592	17533,027
299,782	-1,517	-6,428	0,708	60,255	89,609	52,762	160,444	1156,457	17485,627
300,265	-1,510	-6,463	0,707	60,255	90,108	52,326	160,760	1153,518	17441,200
300,747	-1,498	-6,482	0,705	60,255	90,369	51,894	161,004	1150,652	17397,852
301,229	-1,482	-6,469	0,704	60,255	90,188	51,465	161,004	1148,029	17358,202
301,712	-1,461	-6,415	0,702	60,255	89,430	51,039	160,639	1145,772	17324,072
302,194	-1,435	-6,348	0,701	60,255	88,499	50,617	160,242	1143,547	17290,432
302,676	-1,404	-6,257	0,700	60,255	87,224	50,198	159,658	1141,509	17259,618
303,159	-1,369	-6,132	0,698	60,255	85,484	49,782	158,772	1139,773	17233,363
303,641	-1,330	-5,986	0,697	60,255	83,451	49,369	157,717	1138,205	17209,665
304,124	-1,285	-5,827	0,695	60,255	81,234	48,960	156,572	1136,727	17187,319
304,606	-1,236	-5,649	0,694	60,255	78,759	48,553	155,258	1135,419	17167,541
305,088	-1,183	-5,445	0,693	60,255	75,909	48,150	153,655	1134,401	17152,140
305,571	-1,124	-5,240	0,691	60,255	73,051	47,751	152,064	1133,369	17136,535
306,053	-1,061	-5,025	0,690	60,255	70,059	47,354	150,359	1132,452	17122,678
306,535	-0,993	-4,801	0,688	60,255	66,928	46,960	148,513	1131,676	17110,937
307,018	-0,921	-4,575	0,687	60,255	63,787	46,570	146,625	1130,942	17099,836
307,500	-0,844	-3,839	0,685	60,255	52,871	46,182	139,101	1135,843	17173,949
307,910	-0,775	-3,680	0,684	60,255	50,681	45,798	137,602	1134,720	17156,969
308,320	-0,702	-3,525	0,683	60,255	48,547	45,416	136,104	1133,595	17139,963
308,730	-0,626	-3,384	0,681	60,255	46,597	45,038	134,719	1132,358	17121,258
309,140	-0,547	-3,254	0,680	60,255	44,817	44,662	133,426	1131,029	17101,164

x [m]	e [m]	σ_c (MPa)	μ	$\Delta\sigma_{pt,s}$ (MPa)	$\Delta\sigma_{pt,c}$ (MPa)	$\Delta\sigma_{pt,r}$ (MPa)	$\Delta\sigma_{pt,s+c+r}$ (MPa)	$\sigma_{p\infty}$ (MPa)	P_∞ (kN)
309,550	-0,464	-2,560	0,678	60,255	35,251	44,290	125,771	1136,061	17177,245
309,960	-0,378	-2,481	0,677	60,255	33,453	43,920	124,219	1134,992	17161,076
310,370	-0,289	-2,417	0,676	60,255	32,598	43,553	123,432	1133,156	17133,322
310,780	-0,196	-2,370	0,674	60,255	31,957	43,189	122,773	1131,193	17103,637
311,190	-0,100	-2,339	0,673	60,255	31,543	42,828	122,244	1129,100	17071,985
311,600	0,000	-2,325	0,671	60,255	31,360	42,470	121,842	1126,879	17038,413

ANEXO C – Valor Característico dos Esforço Longitudinais

1. Momento Fletor

a. Momento fletor devido ao PP, RCP,SC,VDT

x [m]	M_{PP0} [kN.m]	$M_{PP\infty}$ [kN.m]	M_{RCP} [kN.m]	M_{SC}^{max+} [kN.m]	M_{SC}^{max-} [kN.m]	M_{VDT}^{max+} [kN.m]	M_{VDT}^{max-} [kN.m]
0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000
0,410	954,399	905,727	176,860	448,612	-79,040	81,303	-40,652
0,820	1846,739	1749,395	347,603	889,693	-158,080	162,606	-81,303
1,230	2681,166	2535,150	512,229	1323,244	-237,121	243,909	-121,955
1,640	3461,826	3267,138	670,737	1749,263	-316,161	325,212	-162,606
2,050	4192,865	3949,505	823,129	2110,326	-395,201	406,515	-203,257
2,460	4878,428	4584,369	969,403	2509,799	-474,241	487,818	-243,909
2,870	5522,663	5179,594	1109,560	2901,740	-553,281	569,121	-284,560
3,280	6129,715	5737,636	1243,600	3286,151	-632,321	650,424	-325,212
3,690	6703,729	6262,641	1371,523	3560,218	-711,362	731,727	-365,863
4,100	7248,853	6758,754	1493,328	3918,144	-790,402	813,030	-406,515
4,582	7857,681	7307,720	1628,797	4329,591	-883,390	908,680	-454,340
5,065	8432,260	7824,408	1755,800	4665,497	-976,379	1004,331	-502,165
5,547	8972,589	8306,846	1874,335	4968,057	-1069,367	1099,981	-549,991
6,029	9478,669	8755,036	1984,405	5334,916	-1162,355	1195,632	-597,816
6,512	9950,500	9168,976	2086,007	5691,352	-1255,344	1291,283	-645,641
6,994	10388,081	9548,667	2179,143	5846,635	-1348,332	1386,933	-693,467
7,476	10791,413	9894,108	2263,812	6169,070	-1441,321	1482,584	-741,292
7,959	11160,496	10205,300	2340,014	6481,082	-1534,309	1578,234	-789,117
8,441	11495,329	10482,242	2407,750	6674,141	-1627,298	1673,885	-836,942
8,924	11795,913	10724,936	2467,019	6834,290	-1720,286	1769,535	-884,768
9,406	12062,248	10933,379	2517,822	7102,083	-1813,274	1865,186	-932,593
9,888	12294,333	11107,574	2560,158	7337,748	-1906,263	1960,836	-980,418
10,371	12492,168	11247,519	2594,027	7367,635	-1999,251	2056,487	-1028,243
10,853	12655,755	11353,215	2619,429	7557,130	-2092,240	2152,137	-1076,069
11,335	12785,092	11424,661	2636,365	7770,528	-2185,228	2247,788	-1123,894
11,818	12880,180	11461,858	2644,835	7821,561	-2278,217	2343,439	-1171,719
12,300	12941,018	11464,806	2644,837	7849,486	-2371,205	2439,089	-1219,545
12,756	12967,029	11436,142	2637,065	8010,044	-2459,027	2529,426	-1264,713
13,211	12962,489	11376,928	2621,742	8120,305	-2546,850	2619,762	-1309,881

x [m]	M_{PP0} [kN.m]	$M_{PP\infty}$ [kN.m]	M_{RCP} [kN.m]	M_{SC}^{max+} [kN.m]	M_{SC}^{max-} [kN.m]	M_{VDT}^{max+} [kN.m]	M_{VDT}^{max-} [kN.m]
13,667	12927,401	11287,165	2598,866	8057,268	-2634,672	2710,099	-1355,050
14,122	12861,762	11166,852	2568,438	8082,088	-2722,495	2800,436	-1400,218
14,578	12765,574	11015,990	2530,458	8194,043	-2810,317	2890,772	-1445,386
15,033	12638,837	10834,578	2484,926	8173,700	-2898,139	2981,109	-1490,554
15,489	12481,550	10622,616	2431,842	8062,060	-2985,962	3071,446	-1535,723
15,944	12293,713	10380,105	2371,206	8086,837	-3073,784	3161,782	-1580,891
16,400	12075,327	10107,044	2303,018	8150,537	-3161,607	3252,119	-1626,059
16,892	11805,156	9777,825	2220,892	7987,490	-3256,455	3349,682	-1674,841
17,384	11499,353	9412,973	2129,958	7848,951	-3351,303	3447,246	-1723,623
17,876	11157,916	9012,488	2030,215	7874,084	-3446,151	3544,810	-1772,405
18,368	10780,847	8576,370	1921,663	7740,770	-3540,999	3642,373	-1821,187
18,860	10368,144	8104,619	1804,302	7522,813	-3635,848	3739,937	-1869,968
19,352	9919,809	7597,235	1678,133	7448,955	-3730,696	3837,500	-1918,750
19,844	9435,840	7054,218	1543,155	7345,857	-3825,544	3935,064	-1967,532
20,336	8916,238	6475,568	1399,369	7084,296	-3920,392	4032,627	-2016,314
20,828	8361,004	5861,285	1246,773	6881,107	-4015,240	4130,191	-2065,095
21,320	7770,136	5211,369	1085,369	6808,689	-4110,089	4227,754	-2113,877
21,812	7143,635	4525,819	915,157	6504,027	-4204,937	4325,318	-2162,659
22,304	6481,501	3804,637	736,135	6188,521	-4299,785	4422,882	-2211,441
22,796	5783,734	3047,822	548,305	6061,968	-4394,633	4520,445	-2260,223
23,288	5050,335	2255,373	351,666	5788,531	-4489,481	4618,009	-2309,004
23,780	4281,302	1427,292	146,218	5430,468	-4584,329	4715,572	-2357,786
24,272	3476,636	563,578	-68,038	5186,418	-4679,178	4813,136	-2406,568
24,764	2636,337	-335,770	-291,103	4944,831	-4774,026	4910,699	-2455,350
25,256	1760,405	-1270,750	-522,977	4544,797	-4868,874	5008,263	-2504,132
25,748	848,840	-2241,364	-763,659	4189,548	-4963,722	5105,827	-2552,913
26,240	-98,358	-3247,610	-1013,150	3980,417	-5058,570	5203,390	-2601,695
26,732	-1081,189	-4289,490	-1271,450	3539,042	-5153,419	5300,954	-2650,477
27,224	-2099,653	-5367,002	-1538,558	3086,823	-5248,267	5398,517	-2699,259
27,716	-3153,751	-6480,148	-1814,476	2829,517	-5343,115	5496,081	-2748,040
28,208	-4243,481	-7628,927	-2099,202	2421,269	-5437,963	5593,644	-2796,822
28,700	-5368,844	-8813,338	-2392,736	1928,378	-5532,811	5691,208	-2845,604
29,110	-6334,376	-9814,076	-2644,077	1872,203	-5861,325	5772,511	-2886,255

x [m]	M_{PP0} [kN.m]	$M_{PP\infty}$ [kN.m]	M_{RCP} [kN.m]	M_{SC}^{max+} [kN.m]	M_{SC}^{max-} [kN.m]	M_{VDT}^{max+} [kN.m]	M_{VDT}^{max-} [kN.m]
29,520	-7327,709	-10856,419	-2901,536	1898,572	-6214,990	5853,814	-2926,907
29,930	-8351,901	-11929,621	-3165,111	1740,441	-6576,187	5935,117	-2967,558
30,340	-9410,008	-13036,737	-3434,804	1582,310	-6944,914	6016,420	-3008,210
30,750	-10505,086	-14180,825	-3710,613	1593,603	-7321,172	6097,723	-3048,861
31,160	-11640,192	-15339,253	-3992,540	1614,851	-7704,961	6179,026	-3089,513
31,570	-12818,382	-16566,116	-4280,584	1636,099	-8096,281	6260,329	-3130,164
31,980	-14042,714	-17839,119	-4574,745	1657,347	-8495,132	6341,632	-3170,816
32,390	-15316,243	-19161,320	-4875,024	1678,595	-8901,514	6422,935	-3211,467
32,800	-16642,027	-20535,776	-5181,419	1699,843	-9315,426	6504,238	-3252,119
33,210	-15275,356	-19174,507	-4879,894	1621,958	-8763,775	6488,035	-3244,017
33,620	-13960,939	-17865,493	-4584,485	1544,072	-8229,997	6471,831	-3235,916
34,030	-12695,720	-16605,676	-4295,194	1466,187	-7719,076	6455,628	-3227,814
34,440	-11476,642	-15392,000	-4012,020	1388,301	-7295,525	6439,425	-3219,713
34,850	-10300,648	-14248,636	-3734,963	1317,121	-6879,505	6423,222	-3211,611
35,260	-9164,683	-13118,111	-3464,023	1275,207	-6471,015	6407,019	-3203,510
35,670	-8065,688	-12024,556	-3199,200	1392,370	-6070,057	6390,816	-3195,408
36,080	-7000,609	-10964,917	-2940,494	1509,532	-5676,629	6374,613	-3187,307
36,490	-5966,388	-9936,136	-2687,906	1442,195	-5290,732	6358,410	-3179,205
36,900	-4959,969	-8935,157	-2441,435	1411,859	-4912,366	6342,207	-3171,103
37,356	-3871,313	-7868,565	-2174,752	1535,465	-4500,792	6324,203	-3162,102
37,811	-2813,207	-6816,528	-1915,622	1618,070	-4098,515	6306,200	-3153,100
38,267	-1785,651	-5795,040	-1664,044	1619,833	-3788,694	6288,197	-3144,098
38,722	-788,644	-4804,102	-1420,017	1974,557	-3709,601	6270,193	-3135,097
39,178	177,813	-3843,713	-1183,543	2386,289	-3630,509	6252,190	-3126,095
39,633	1113,721	-2913,874	-954,621	2665,725	-3551,416	6234,186	-3117,093
40,089	2019,079	-2014,585	-733,250	2876,789	-3472,324	6216,183	-3108,091
40,544	2893,887	-1145,845	-519,432	3252,925	-3393,232	6198,180	-3099,090
41,000	3738,146	-307,655	-313,166	3619,764	-3314,139	6180,176	-3090,088
41,492	4615,632	563,277	-98,881	3784,107	-3228,719	6160,732	-3080,366
41,984	5457,485	1398,576	106,595	4116,949	-3184,900	6141,289	-3070,644
42,476	6263,706	2198,242	303,263	4558,967	-3186,280	6121,845	-3060,923
42,968	7034,293	2962,275	491,121	4842,539	-3187,659	6102,401	-3051,201
43,460	7769,247	3690,675	670,171	5108,040	-3189,039	6082,958	-3041,479

x [m]	M_{PP0} [kN.m]	$M_{PP\infty}$ [kN.m]	M_{RCP} [kN.m]	M_{SC}^{max+} [kN.m]	M_{SC}^{max-} [kN.m]	M_{VDT}^{max+} [kN.m]	M_{VDT}^{max-} [kN.m]
43,952	8468,568	4383,442	840,413	5508,240	-3190,418	6063,514	-3031,757
44,444	9132,256	5040,576	1001,845	5823,798	-3191,798	6044,070	-3022,035
44,936	9760,311	5662,077	1154,469	5980,909	-3193,177	6024,627	-3012,313
45,428	10352,733	6247,945	1298,285	6330,442	-3194,557	6005,183	-3002,591
45,920	10909,522	6798,180	1433,291	6677,599	-3195,936	5985,739	-2992,870
46,412	11430,678	7312,782	1559,489	6792,511	-3197,316	5966,296	-2983,148
46,904	11916,201	7791,750	1676,878	7021,225	-3198,696	5946,852	-2973,426
47,396	12366,091	8235,086	1785,459	7325,869	-3200,075	5927,408	-2963,704
47,888	12780,348	8642,789	1885,230	7472,067	-3201,455	5907,964	-2953,982
48,380	13158,972	9014,859	1976,193	7533,622	-3202,834	5888,521	-2944,260
48,872	13501,963	9351,295	2058,348	7584,332	-3204,214	5869,077	-2934,539
49,364	13809,320	9652,099	2131,693	7765,394	-3205,593	5849,633	-2924,817
49,856	14081,045	9917,270	2196,230	7995,182	-3206,973	5830,190	-2915,095
50,348	14317,137	10146,807	2251,958	8214,126	-3208,352	5810,746	-2905,373
50,840	14517,596	10340,712	2298,878	8422,225	-3209,732	5791,302	-2895,651
51,332	14682,421	10498,983	2336,988	8398,080	-3211,111	5771,859	-2885,929
51,824	14811,614	10621,622	2366,290	8449,670	-3212,491	5752,415	-2876,207
52,316	14905,174	10708,627	2386,784	8614,719	-3213,870	5732,971	-2866,486
52,808	14963,100	10759,999	2398,468	8621,139	-3240,466	5713,528	-2856,764
53,300	14985,394	10775,739	2401,344	8544,247	-3288,370	5694,084	-2847,042
53,797	14971,738	10755,462	2395,307	8667,371	-3336,758	5674,444	-2837,222
54,294	14921,725	10698,830	2380,281	8701,157	-3385,146	5654,804	-2827,402
54,791	14835,356	10605,840	2356,269	8578,515	-3433,534	5635,164	-2817,582
55,288	14712,630	10476,494	2323,268	8579,691	-3481,922	5615,523	-2807,762
55,785	14553,548	10310,792	2281,280	8636,723	-3530,310	5595,883	-2797,942
56,282	14358,110	10108,733	2230,305	8470,236	-3578,698	5576,243	-2788,122
56,779	14126,314	9870,317	2170,342	8348,987	-3627,085	5556,603	-2778,302
57,276	13858,163	9595,545	2101,391	8373,445	-3675,473	5536,963	-2768,482
57,773	13553,654	9284,417	2023,453	8219,111	-3723,861	5517,323	-2758,662
58,270	13212,790	8936,931	1936,527	7997,803	-3772,249	5497,683	-2748,841
58,767	12835,569	8553,090	1840,614	7957,555	-3820,637	5478,043	-2739,021
59,264	12421,991	8132,892	1735,713	7826,712	-3869,025	5458,403	-2729,201
59,761	11972,056	7676,337	1621,825	7561,806	-3917,413	5438,763	-2719,381

x [m]	M_{PP0} [kN.m]	$M_{PP\infty}$ [kN.m]	M_{RCP} [kN.m]	M_{SC}^{max+} [kN.m]	M_{SC}^{max-} [kN.m]	M_{VDT}^{max+} [kN.m]	M_{VDT}^{max-} [kN.m]
60,258	11485,766	7183,426	1498,949	7402,551	-3965,801	5419,123	-2709,561
60,755	10963,118	6654,158	1367,085	7295,425	-4014,189	5399,482	-2699,741
61,252	10404,114	6088,534	1226,234	6987,143	-4062,576	5379,842	-2689,921
61,748	9808,754	5486,553	1076,396	6711,565	-4110,964	5360,202	-2680,101
62,245	9177,037	4848,216	917,569	6594,902	-4159,352	5340,562	-2670,281
62,742	8508,963	4173,522	749,756	6277,083	-4207,740	5320,922	-2660,461
63,239	7804,533	3462,471	572,954	5914,654	-4256,128	5301,282	-2650,641
63,736	7063,747	2715,064	387,165	5729,152	-4304,516	5281,642	-2640,821
64,233	6286,604	1931,301	192,389	5435,701	-4352,904	5262,002	-2631,001
64,730	5473,104	1111,181	-11,375	5030,550	-4401,292	5242,362	-2621,181
65,227	4623,248	254,705	-224,127	4747,065	-4460,199	5222,722	-2611,361
65,724	3737,035	-638,128	-445,866	4524,429	-4554,606	5203,082	-2601,541
66,221	2814,466	-1567,318	-676,593	4123,001	-4649,013	5183,441	-2591,721
66,718	1855,541	-2532,864	-916,307	3771,292	-4743,420	5163,801	-2581,901
67,215	860,258	-3534,767	-1165,009	3562,766	-4837,826	5144,161	-2572,081
67,712	-171,381	-4573,026	-1422,698	3130,720	-4932,233	5124,521	-2562,261
68,209	-1239,376	-5647,641	-1689,375	2680,746	-5026,640	5104,881	-2552,441
68,706	-2343,728	-6758,613	-1965,039	2439,958	-5130,022	5085,241	-2542,621
69,203	-3484,436	-7905,942	-2249,692	2379,658	-5570,320	5065,601	-2532,800
69,700	-4661,501	-9089,627	-2543,331	2241,085	-6021,683	5045,961	-2522,980
70,110	-5660,458	-10076,279	-2792,350	2257,836	-6402,387	5029,758	-2514,879
70,520	-6687,218	-11108,478	-3047,486	2321,889	-6790,622	5013,555	-2506,777
70,930	-7744,835	-12171,535	-3308,739	2201,442	-7186,388	4997,352	-2498,676
71,340	-8836,368	-13268,508	-3576,109	2086,185	-7589,685	4981,149	-2490,574
71,750	-9964,871	-14402,451	-3849,596	2145,067	-8000,512	4964,945	-2482,473
72,160	-11133,403	-15545,782	-4129,200	2203,949	-8418,871	4948,742	-2474,371
72,570	-12345,020	-16762,801	-4414,922	2262,830	-8844,760	4932,539	-2466,270
72,980	-13602,777	-18025,960	-4706,761	2321,712	-9278,180	4916,336	-2458,168
73,390	-14909,732	-19338,318	-5004,717	2380,594	-9719,131	4900,133	-2450,067
73,800	-16268,941	-20702,930	-5308,790	2439,476	-10167,613	4883,930	-2441,965
74,210	-14905,553	-19339,215	-5005,642	2352,261	-9688,007	4888,364	-2444,182
74,620	-13594,419	-18027,754	-4708,611	2265,045	-9235,315	4892,798	-2446,399
75,030	-12332,482	-16765,492	-4417,697	2177,830	-8790,155	4897,232	-2448,616

x [m]	M_{PP0} [kN.m]	$M_{PP\infty}$ [kN.m]	M_{RCP} [kN.m]	M_{SC}^{max+} [kN.m]	M_{SC}^{max-} [kN.m]	M_{VDT}^{max+} [kN.m]	M_{VDT}^{max-} [kN.m]
75,440	-11116,687	-15549,370	-4132,901	2109,962	-8352,525	4901,666	-2450,833
75,850	-9943,976	-14407,113	-3854,222	2038,310	-7922,426	4906,100	-2453,050
76,260	-8811,293	-13274,101	-3581,660	1997,545	-7499,858	4910,534	-2455,267
76,670	-7715,581	-12178,061	-3315,215	2104,847	-7084,821	4914,968	-2457,484
77,080	-6653,785	-11115,936	-3054,887	2212,148	-6677,314	4919,402	-2459,701
77,490	-5622,846	-10084,669	-2800,676	2134,950	-6277,339	4923,836	-2461,918
77,900	-4619,710	-9081,203	-2552,583	2103,598	-5884,894	4928,270	-2464,135
78,356	-3534,701	-8013,781	-2284,098	2216,104	-5457,677	4933,197	-2466,598
78,811	-2480,243	-6958,956	-2023,165	2287,610	-5039,758	4938,123	-2469,062
79,267	-1456,334	-5934,680	-1769,784	2410,839	-4846,858	4943,050	-2471,525
79,722	-462,974	-4940,954	-1523,955	2759,077	-4749,873	4947,976	-2473,988
80,178	499,836	-3977,778	-1285,678	3157,342	-4652,888	4952,903	-2476,452
80,633	1432,096	-3045,151	-1054,954	3423,310	-4555,903	4957,830	-2478,915
81,089	2333,807	-2143,074	-831,781	3626,134	-4458,919	4962,756	-2481,378
81,544	3204,968	-1271,546	-616,160	3988,708	-4361,934	4967,683	-2483,842
82,000	4045,579	-430,568	-408,092	4341,984	-4264,949	4972,610	-2486,305
82,492	4919,127	443,375	-191,860	4491,680	-4160,205	4977,930	-2488,965
82,984	5757,041	1281,685	15,563	4855,393	-4138,857	4983,251	-2491,626
83,476	6559,322	2084,362	214,177	5281,624	-4119,852	4988,572	-2494,286
83,968	7325,970	2851,406	403,983	5549,408	-4100,848	4993,893	-2496,946
84,460	8056,985	3582,817	584,980	5801,643	-4081,843	4999,214	-2499,607
84,952	8752,367	4278,595	757,168	6185,999	-4062,839	5004,534	-2502,267
85,444	9412,116	4938,740	920,547	6485,712	-4043,834	5009,855	-2504,928
85,936	10036,232	5563,251	1075,118	6626,979	-4024,830	5015,176	-2507,588
86,428	10624,715	6152,130	1220,880	6962,143	-4005,826	5020,497	-2510,248
86,920	11177,565	6705,376	1357,833	7293,419	-3986,821	5025,817	-2512,909
87,412	11694,782	7222,989	1485,977	7392,450	-3967,817	5031,138	-2515,569
87,904	12176,366	7704,968	1605,313	7605,954	-3948,812	5036,459	-2518,230
88,396	12622,317	8151,315	1715,840	7894,699	-3929,808	5041,780	-2520,890
88,888	13032,634	8562,029	1817,559	8024,997	-3910,803	5047,101	-2523,550
89,380	13407,319	8937,109	1910,469	8114,113	-3891,799	5052,421	-2526,211
89,872	13746,371	9276,557	1994,570	8360,096	-3872,794	5057,742	-2528,871
90,364	14049,790	9580,371	2069,862	8521,438	-3853,790	5063,063	-2531,531

x [m]	M_{PP0} [kN.m]	$M_{PP\infty}$ [kN.m]	M_{RCP} [kN.m]	M_{SC}^{max+} [kN.m]	M_{SC}^{max-} [kN.m]	M_{VDT}^{max+} [kN.m]	M_{VDT}^{max-} [kN.m]
90,856	14317,575	9848,553	2136,345	8524,332	-3834,786	5068,384	-2534,192
91,348	14549,728	10081,101	2194,020	8687,152	-3815,781	5073,704	-2536,852
91,840	14746,248	10278,017	2242,886	8879,366	-3796,777	5079,025	-2539,513
92,332	14907,134	10439,299	2282,944	8839,335	-3777,772	5084,346	-2542,173
92,824	15032,388	10564,948	2314,193	8874,183	-3758,768	5089,667	-2544,833
93,316	15122,008	10654,965	2336,633	9023,372	-3739,763	5094,987	-2547,494
93,808	15175,995	10709,348	2350,264	9014,115	-3720,759	5100,308	-2550,154
94,300	15194,350	10728,098	2355,087	8920,292	-3706,567	5105,629	-2552,815
94,797	15176,715	10710,863	2351,015	9027,440	-3737,180	5111,004	-2555,502
95,294	15122,724	10657,272	2337,956	9045,250	-3767,794	5116,378	-2558,189
95,791	15032,376	10567,324	2315,910	8906,632	-3798,407	5121,753	-2560,876
96,288	14905,671	10441,019	2284,876	8890,801	-3829,020	5127,127	-2563,564
96,785	14742,610	10278,358	2244,854	8931,909	-3859,634	5132,502	-2566,251
97,282	14543,193	10079,340	2195,845	8749,498	-3890,247	5137,876	-2568,938
97,779	14307,419	9843,966	2137,849	8611,296	-3920,861	5143,251	-2571,625
98,276	14035,288	9572,235	2070,864	8619,891	-3951,474	5148,625	-2574,313
98,773	13726,801	9264,148	1994,893	8449,695	-3982,087	5154,000	-2577,000
99,270	13381,957	8919,704	1909,933	8212,525	-4012,701	5159,374	-2579,687
99,767	13000,757	8538,904	1815,986	8155,532	-4043,314	5164,749	-2582,374
100,264	12583,201	8121,747	1713,052	8008,896	-4073,927	5170,123	-2585,062
100,761	12129,287	7668,233	1601,130	7728,196	-4104,541	5175,498	-2587,749
101,258	11639,018	7178,363	1480,220	7552,415	-4135,154	5180,872	-2590,436
101,755	11112,391	6652,137	1350,323	7429,571	-4165,767	5186,247	-2593,123
102,252	10549,408	6089,554	1211,438	7105,570	-4196,381	5191,621	-2595,811
102,748	9950,069	5490,615	1063,566	6813,736	-4226,994	5196,996	-2598,498
103,245	9314,373	4855,319	906,706	6681,433	-4257,607	5202,370	-2601,185
103,742	8642,321	4183,666	740,859	6347,975	-4288,221	5207,745	-2603,872
104,239	7933,912	3475,657	566,024	5969,907	-4318,834	5213,119	-2606,560
104,736	7189,147	2731,291	382,201	5768,538	-4349,447	5218,494	-2609,247
105,233	6408,025	1950,569	189,391	5459,531	-4380,061	5223,868	-2611,934
105,730	5590,546	1133,491	-12,406	5038,822	-4410,674	5229,243	-2614,622
106,227	4736,711	280,055	-223,192	4746,448	-4458,456	5234,618	-2617,309
106,724	3846,520	-609,736	-442,964	4537,422	-4564,172	5239,992	-2619,996

x [m]	M_{PP0} [kN.m]	$M_{PP\infty}$ [kN.m]	M_{RCP} [kN.m]	M_{SC}^{max+} [kN.m]	M_{SC}^{max-} [kN.m]	M_{VDT}^{max+} [kN.m]	M_{VDT}^{max-} [kN.m]
107,221	2919,972	-1535,885	-671,725	4149,603	-4669,887	5245,367	-2622,683
107,718	1957,067	-2498,389	-909,473	3811,771	-4775,603	5250,741	-2625,371
108,215	957,806	-3497,251	-1156,208	3616,937	-4881,318	5256,116	-2628,058
108,712	-77,812	-4532,468	-1411,931	3198,583	-4987,034	5261,490	-2630,745
109,209	-1149,786	-5604,043	-1676,642	2762,804	-5092,749	5266,865	-2633,432
109,706	-2258,117	-6711,974	-1950,340	2553,531	-5225,181	5272,239	-2636,120
110,203	-3402,804	-7856,261	-2233,025	2509,457	-5679,242	5277,614	-2638,807
110,700	-4583,848	-9036,905	-2524,699	2387,111	-6144,368	5282,988	-2641,494
111,110	-5586,088	-10020,970	-2772,095	2418,024	-6536,426	5287,422	-2643,711
111,520	-6616,130	-11050,683	-3025,609	2495,528	-6936,015	5291,856	-2645,928
111,930	-7677,030	-12111,255	-3285,239	2388,531	-7343,135	5296,290	-2648,145
112,340	-8771,845	-13205,742	-3550,987	2287,583	-7757,786	5300,724	-2650,362
112,750	-9903,631	-14337,200	-3822,852	2359,973	-8179,968	5305,158	-2652,579
113,160	-11075,445	-15478,112	-4100,834	2432,363	-8609,681	5309,592	-2654,796
113,570	-12290,344	-16692,684	-4384,934	2504,752	-9046,924	5314,026	-2657,013
113,980	-13551,385	-17953,398	-4675,150	2577,142	-9491,699	5318,460	-2659,230
114,390	-14861,622	-19263,309	-4971,484	2649,532	-9944,004	5322,894	-2661,447
114,800	-16224,114	-20625,475	-5273,935	2721,922	-10403,840	5327,328	-2663,664
115,210	-14861,802	-19262,897	-4971,252	2642,465	-9939,203	5325,844	-2662,922
115,620	-13551,744	-17952,573	-4674,686	2566,977	-9483,489	5324,361	-2662,181
116,030	-12290,883	-16691,447	-4384,238	2491,488	-9035,307	5322,877	-2661,439
116,440	-11076,164	-15476,462	-4099,907	2416,000	-8594,656	5321,394	-2660,697
116,850	-9904,529	-14335,118	-3821,693	2340,511	-8161,535	5319,910	-2659,955
117,260	-8772,922	-13203,243	-3549,596	2265,023	-7735,945	5318,427	-2659,214
117,670	-7678,287	-12108,341	-3283,616	2366,212	-7317,886	5316,944	-2658,472
118,080	-6617,566	-11047,353	-3023,753	2470,067	-6907,358	5315,460	-2657,730
118,490	-5587,704	-10017,223	-2770,008	2389,422	-6504,361	5313,977	-2656,988
118,900	-4585,643	-9014,895	-2522,379	2355,262	-6108,895	5312,493	-2656,247
119,356	-3501,831	-7948,606	-2254,411	2463,929	-5678,321	5310,845	-2655,422
119,811	-2448,568	-6895,045	-1993,995	2531,595	-5257,044	5309,196	-2654,598
120,267	-1425,854	-5872,033	-1741,131	2660,568	-5070,371	5307,548	-2653,774
120,722	-433,691	-4879,571	-1495,819	3005,299	-4969,866	5305,900	-2652,950
121,178	527,924	-3917,659	-1258,059	3399,552	-4869,360	5304,251	-2652,126

x [m]	M_{PP0} [kN.m]	$M_{PP\infty}$ [kN.m]	M_{RCP} [kN.m]	M_{SC}^{max+} [kN.m]	M_{SC}^{max-} [kN.m]	M_{VDT}^{max+} [kN.m]	M_{VDT}^{max-} [kN.m]
121,633	1458,988	-2986,296	-1027,851	3661,509	-4768,855	5302,603	-2651,302
122,089	2359,503	-2085,483	-805,195	3860,699	-4668,349	5300,955	-2650,477
122,544	3229,469	-1215,219	-590,092	4219,254	-4567,844	5299,306	-2649,653
123,000	4068,885	-375,505	-382,540	4568,511	-4467,338	5297,658	-2648,829
123,492	4941,141	497,073	-166,866	4714,607	-4359,533	5295,878	-2647,939
123,984	5777,764	1334,018	39,998	5075,906	-4336,039	5294,098	-2647,049
124,476	6578,753	2135,330	238,054	5497,104	-4312,545	5292,317	-2646,159
124,968	7344,110	2901,009	427,302	5759,855	-4289,051	5290,537	-2645,269
125,460	8073,834	3631,055	607,740	6007,239	-4265,557	5288,757	-2644,379
125,952	8767,925	4325,468	779,370	6386,557	-4242,064	5286,977	-2643,488
126,444	9426,382	4984,248	942,191	6681,233	-4218,570	5285,197	-2642,598
126,936	10049,207	5607,395	1096,204	6817,463	-4195,076	5283,416	-2641,708
127,428	10636,398	6194,908	1241,408	7147,697	-4171,582	5281,636	-2640,818
127,920	11187,957	6746,789	1377,803	7473,932	-4148,088	5279,856	-2639,928
128,412	11703,883	7263,037	1505,389	7567,924	-4124,594	5278,076	-2639,038
128,904	12184,175	7743,652	1624,167	7776,443	-4101,101	5276,296	-2638,148
129,396	12628,835	8188,633	1734,135	8060,146	-4077,607	5274,516	-2637,258
129,888	13037,861	8597,982	1835,296	8185,387	-4054,113	5272,735	-2636,368
130,380	13411,254	8971,697	1927,647	8269,473	-4030,619	5270,955	-2635,478
130,872	13749,015	9309,780	2011,190	8510,415	-4007,125	5269,175	-2634,587
131,364	14051,142	9612,230	2085,924	8666,715	-3983,631	5267,395	-2633,697
131,856	14317,637	9879,046	2151,849	8664,568	-3960,137	5265,615	-2632,807
132,348	14548,498	10110,230	2208,966	8822,314	-3936,644	5263,834	-2631,917
132,840	14743,726	10305,780	2257,274	9009,488	-3913,150	5262,054	-2631,027
133,332	14903,321	10465,697	2296,773	8964,417	-3889,656	5260,274	-2630,137
133,824	15027,284	10589,982	2327,464	8994,168	-3866,162	5258,494	-2629,247
134,316	15115,613	10678,633	2349,346	9138,319	-3842,668	5256,714	-2628,357
134,808	15168,309	10731,651	2362,419	9124,024	-3819,174	5254,933	-2627,467
135,300	15185,372	10749,037	2366,683	9025,092	-3796,003	5253,153	-2626,577
135,797	15166,433	10730,423	2362,048	9127,153	-3822,269	5251,355	-2625,678
136,294	15111,137	10675,452	2348,425	9139,877	-3848,534	5249,557	-2624,778
136,791	15019,485	10584,126	2325,815	8996,173	-3874,800	5247,759	-2623,879
137,288	14891,476	10456,442	2294,217	8975,181	-3901,065	5245,960	-2622,980

x [m]	M_{PP0} [kN.m]	$M_{PP\infty}$ [kN.m]	M_{RCP} [kN.m]	M_{SC}^{max+} [kN.m]	M_{SC}^{max-} [kN.m]	M_{VDT}^{max+} [kN.m]	M_{VDT}^{max-} [kN.m]
137,785	14727,111	10292,402	2253,632	9011,206	-3927,331	5244,162	-2622,081
138,282	14526,389	10092,006	2204,059	8823,713	-3953,596	5242,364	-2621,182
138,779	14289,310	9855,253	2145,499	8680,354	-3979,862	5240,566	-2620,283
139,276	14015,875	9582,143	2077,950	8683,871	-4006,127	5238,768	-2619,384
139,773	13706,084	9272,677	2001,415	8508,597	-4032,393	5236,970	-2618,485
140,270	13359,936	8926,854	1915,892	8266,348	-4058,658	5235,171	-2617,586
140,767	12977,431	8544,675	1821,381	8204,214	-4084,924	5233,373	-2616,687
141,264	12558,570	8126,140	1717,883	8052,505	-4111,189	5231,575	-2615,788
141,761	12103,352	7671,247	1605,397	7766,732	-4137,455	5229,777	-2614,888
142,258	11611,778	7179,999	1483,923	7585,826	-4163,720	5227,979	-2613,989
142,755	11083,848	6652,394	1353,462	7457,913	-4189,986	5226,181	-2613,090
143,252	10519,561	6088,432	1214,014	7128,845	-4216,251	5224,382	-2612,191
143,748	9918,917	5488,113	1065,578	6831,905	-4242,517	5222,584	-2611,292
144,245	9281,917	4851,439	908,154	6694,541	-4268,782	5220,786	-2610,393
144,742	8608,560	4178,407	741,743	6356,021	-4295,048	5218,988	-2609,494
145,239	7898,847	3469,020	566,344	5972,890	-4321,313	5217,190	-2608,595
145,736	7152,777	2723,275	381,958	5766,445	-4347,579	5215,391	-2607,696
146,233	6370,351	1941,174	188,584	5452,381	-4373,844	5213,593	-2606,797
146,730	5551,568	1122,717	-13,778	5026,616	-4400,110	5211,795	-2605,898
147,227	4696,428	267,903	-225,127	4731,143	-4445,498	5209,997	-2604,998
147,724	3804,932	-623,268	-445,464	4525,545	-4555,344	5208,199	-2604,099
148,221	2877,080	-1550,795	-674,788	4141,154	-4665,190	5206,401	-2603,200
148,718	1912,871	-2514,678	-913,099	3806,772	-4775,035	5204,602	-2602,301
149,215	912,306	-3514,918	-1160,399	3615,371	-4884,881	5202,804	-2601,402
149,712	-124,616	-4551,515	-1416,686	3200,451	-4994,726	5201,006	-2600,503
150,209	-1197,895	-5624,468	-1681,960	2768,146	-5104,572	5199,208	-2599,604
150,706	-2307,530	-6733,778	-1956,222	2563,645	-5242,466	5197,410	-2598,705
151,203	-3453,522	-7879,444	-2239,472	2523,189	-5700,836	5195,612	-2597,806
151,700	-4635,870	-9061,466	-2531,709	2404,461	-6170,270	5193,813	-2596,907
152,110	-5639,186	-10046,779	-2779,570	2438,419	-6565,882	5192,330	-2596,165
152,520	-6670,304	-11077,630	-3033,549	2518,912	-6969,026	5190,846	-2595,423
152,930	-7732,280	-12139,339	-3293,645	2414,905	-7379,700	5189,363	-2594,681
153,340	-8828,171	-13234,962	-3559,858	2316,777	-7797,905	5187,879	-2593,940

x [m]	M_{PP0} [kN.m]	$M_{PP\infty}$ [kN.m]	M_{RCP} [kN.m]	M_{SC}^{max+} [kN.m]	M_{SC}^{max-} [kN.m]	M_{VDT}^{max+} [kN.m]	M_{VDT}^{max-} [kN.m]
153,750	-9961,034	-14367,557	-3832,188	2392,158	-8223,642	5186,396	-2593,198
154,160	-11133,924	-15509,793	-4110,635	2467,538	-8656,909	5184,912	-2592,456
154,570	-12349,899	-16725,502	-4395,200	2542,919	-9097,707	5183,429	-2591,714
154,980	-13612,016	-17987,353	-4685,882	2618,299	-9546,035	5181,945	-2590,973
155,390	-14923,329	-19298,401	-4982,680	2693,680	-10001,895	5180,462	-2590,231
155,800	-16286,897	-20661,704	-5285,596	2769,060	-10465,286	5178,978	-2589,489
156,210	-14921,547	-19298,016	-4982,680	2693,680	-10001,895	5180,462	-2590,231
156,620	-13608,450	-17986,583	-4685,882	2618,299	-9546,035	5181,945	-2590,973
157,030	-12344,551	-16724,348	-4395,200	2542,919	-9097,707	5183,429	-2591,714
157,440	-11126,794	-15508,254	-4110,635	2467,538	-8656,909	5184,912	-2592,456
157,850	-9952,120	-14365,682	-3832,188	2392,158	-8223,642	5186,396	-2593,198
158,260	-8817,475	-13232,712	-3559,858	2316,777	-7797,905	5187,879	-2593,940
158,670	-7719,801	-12136,713	-3293,645	2414,905	-7379,700	5189,363	-2594,681
159,080	-6656,042	-11074,629	-3033,549	2518,912	-6969,026	5190,846	-2595,423
159,490	-5623,141	-10043,403	-2779,570	2438,419	-6565,882	5192,330	-2596,165
159,900	-4618,042	-9039,979	-2531,709	2404,461	-6170,270	5193,813	-2596,907
160,356	-3530,854	-7972,452	-2263,481	2513,295	-5739,533	5195,462	-2597,731
160,811	-2474,215	-6917,682	-2002,806	2581,129	-5318,093	5197,110	-2598,555
161,267	-1448,126	-5893,461	-1749,683	2711,046	-5132,033	5198,758	-2599,379
161,722	-452,586	-4899,790	-1504,112	3055,959	-5031,341	5200,407	-2600,203
162,178	512,405	-3936,668	-1266,093	3450,355	-4930,650	5202,055	-2601,028
162,633	1446,845	-3004,097	-1035,626	3712,454	-4829,958	5203,703	-2601,852
163,089	2350,736	-2102,074	-812,711	3911,816	-4729,266	5205,352	-2602,676
163,544	3224,078	-1230,601	-597,348	4270,514	-4628,574	5207,000	-2603,500
164,000	4066,869	-389,678	-389,537	4619,913	-4527,883	5208,648	-2604,324
164,492	4942,771	484,206	-173,584	4766,359	-4420,072	5210,428	-2605,214
164,984	5783,040	1322,457	33,561	5125,522	-4394,069	5212,209	-2606,104
165,476	6587,676	2125,074	231,897	5544,565	-4368,066	5213,989	-2606,994
165,968	7356,679	2892,059	421,424	5805,161	-4342,063	5215,769	-2607,885
166,460	8090,049	3623,411	602,143	6050,401	-4316,060	5217,549	-2608,775
166,952	8787,786	4319,129	774,052	6427,564	-4290,058	5219,329	-2609,665
167,444	9449,889	4979,215	937,154	6720,084	-4264,055	5221,110	-2610,555
167,936	10076,360	5603,668	1091,446	6854,158	-4238,052	5222,890	-2611,445

x [m]	M_{PP0} [kN.m]	$M_{PP\infty}$ [kN.m]	M_{RCP} [kN.m]	M_{SC}^{max+} [kN.m]	M_{SC}^{max-} [kN.m]	M_{VDT}^{max+} [kN.m]	M_{VDT}^{max-} [kN.m]
168,428	10667,198	6192,487	1236,929	7182,240	-4212,049	5224,670	-2612,335
168,920	11222,402	6745,674	1373,604	7506,319	-4186,046	5226,450	-2613,225
169,412	11741,974	7263,227	1501,471	7598,154	-4160,043	5228,230	-2614,115
169,904	12225,913	7745,148	1620,528	7804,509	-4134,040	5230,011	-2615,005
170,396	12674,218	8191,435	1730,777	8086,055	-4108,038	5231,791	-2615,895
170,888	13086,891	8602,089	1832,217	8209,156	-4082,035	5233,571	-2616,786
171,380	13463,930	8977,111	1924,848	8291,070	-4056,032	5235,351	-2617,676
171,872	13805,337	9316,499	2008,671	8529,855	-4030,029	5237,131	-2618,566
172,364	14111,110	9620,255	2083,685	8683,998	-4004,026	5238,912	-2619,456
172,856	14381,251	9888,377	2149,890	8679,694	-3978,023	5240,692	-2620,346
173,348	14615,758	10120,866	2207,287	8835,275	-3952,020	5242,472	-2621,236
173,840	14814,632	10317,722	2255,875	9020,291	-3926,018	5244,252	-2622,126
174,332	14977,874	10478,945	2295,654	8973,062	-3900,015	5246,032	-2623,016
174,824	15105,482	10604,536	2326,624	9000,646	-3874,012	5247,813	-2623,906
175,316	15197,457	10694,493	2348,786	9142,639	-3848,009	5249,593	-2624,796
175,808	15253,799	10748,817	2362,139	9126,186	-3822,006	5251,373	-2625,687
176,300	15274,508	10767,508	2366,683	9025,091	-3796,003	5253,153	-2626,577
176,797	15259,252	10750,213	2362,331	9124,969	-3819,412	5254,951	-2627,476
177,294	15207,639	10696,562	2348,991	9135,513	-3843,143	5256,750	-2628,375
177,791	15119,670	10606,554	2326,663	8989,630	-3866,874	5258,548	-2629,274
178,288	14995,344	10480,189	2295,348	8832,681	-3890,605	5260,346	-2630,173
178,785	14834,661	10317,468	2255,046	8664,669	-3914,336	5262,144	-2631,072
179,282	14637,623	10118,391	2205,755	8652,672	-3938,067	5263,942	-2631,971
179,779	14404,227	9882,957	2147,477	8665,075	-3961,799	5265,740	-2632,870
180,276	14134,475	9611,166	2080,212	8666,414	-3985,530	5267,539	-2633,769
180,773	13828,366	9303,019	2003,959	8488,960	-4009,261	5269,337	-2634,668
181,270	13485,901	8958,515	1918,719	8244,533	-4032,992	5271,135	-2635,567
181,767	13107,080	8577,655	1824,491	8180,215	-4056,723	5272,933	-2636,467
182,264	12691,901	8160,439	1721,275	8026,328	-4080,454	5274,731	-2637,366
182,761	12240,367	7706,865	1609,072	7738,375	-4104,186	5276,529	-2638,265
183,258	11752,476	7216,936	1487,881	7555,290	-4127,917	5278,328	-2639,164
183,755	11228,228	6690,650	1357,703	7425,200	-4151,648	5280,126	-2640,063
184,252	10667,624	6128,007	1218,537	7093,954	-4175,379	5281,924	-2640,962

x [m]	M_{PP0} [kN.m]	$M_{PP\infty}$ [kN.m]	M_{RCP} [kN.m]	M_{SC}^{max+} [kN.m]	M_{SC}^{max-} [kN.m]	M_{VDT}^{max+} [kN.m]	M_{VDT}^{max-} [kN.m]
184,748	10070,663	5529,007	1070,384	6794,840	-4199,110	5283,722	-2641,861
185,245	9437,345	4893,652	913,243	6655,298	-4222,841	5285,520	-2642,760
185,742	8767,672	4221,939	747,114	6314,600	-4246,573	5287,319	-2643,659
186,239	8061,641	3513,870	571,998	5929,293	-4270,304	5289,117	-2644,558
186,736	7319,254	2769,445	387,894	5720,682	-4294,035	5290,915	-2645,457
187,233	6540,511	1988,663	194,803	5404,441	-4317,766	5292,713	-2646,357
187,730	5725,411	1171,525	-7,276	4976,499	-4341,497	5294,511	-2647,256
188,227	4873,955	318,030	-218,342	4679,625	-4385,106	5296,309	-2648,155
188,724	3986,142	-571,822	-438,396	4474,181	-4494,749	5298,108	-2649,054
189,221	3061,972	-1498,030	-667,437	4089,946	-4604,391	5299,906	-2649,953
189,718	2101,446	-2460,594	-905,466	3755,748	-4714,034	5301,704	-2650,852
190,215	1104,563	-3459,516	-1152,483	3564,503	-4823,676	5303,502	-2651,751
190,712	71,324	-4494,793	-1408,487	3149,740	-4933,318	5305,300	-2652,650
191,209	-998,271	-5566,427	-1673,479	2717,629	-5042,961	5307,098	-2653,549
191,706	-2104,224	-6674,418	-1947,458	2514,080	-5181,447	5308,897	-2654,448
192,203	-3246,532	-7818,765	-2230,425	2473,807	-5639,639	5310,695	-2655,347
192,700	-4425,198	-8999,469	-2522,379	2355,262	-6108,895	5312,493	-2656,247
193,110	-5425,475	-9983,090	-2770,008	2389,422	-6504,361	5313,977	-2656,988
193,520	-6453,555	-11012,844	-3023,753	2470,067	-6907,358	5315,460	-2657,730
193,930	-7512,493	-12073,457	-3283,616	2366,212	-7317,886	5316,944	-2658,472
194,340	-8605,345	-13167,985	-3549,596	2265,023	-7735,945	5318,427	-2659,214
194,750	-9735,170	-14299,484	-3821,693	2340,511	-8161,535	5319,910	-2659,955
195,160	-10905,022	-15439,522	-4099,907	2416,000	-8594,655	5321,394	-2660,697
195,570	-12117,958	-16654,122	-4384,238	2491,488	-9035,307	5322,877	-2661,439
195,980	-13377,036	-17914,863	-4674,686	2566,977	-9483,489	5324,361	-2662,181
196,390	-14685,311	-19224,802	-4971,252	2642,465	-9939,203	5325,844	-2662,922
196,800	-16045,841	-20586,995	-5273,935	2721,922	-10403,840	5327,328	-2663,664
197,210	-14691,863	-19226,667	-4971,484	2649,532	-9944,004	5322,894	-2661,447
197,620	-13390,139	-17918,594	-4675,150	2577,142	-9491,699	5318,460	-2659,230
198,030	-12137,613	-16659,717	-4384,934	2504,752	-9046,924	5314,026	-2657,013
198,440	-10931,227	-15446,982	-4100,834	2432,363	-8609,681	5309,592	-2654,796
198,850	-9767,927	-14308,647	-3822,852	2359,973	-8179,968	5305,158	-2652,579
199,260	-8644,654	-13178,980	-3550,987	2287,583	-7757,786	5300,724	-2650,362

x [m]	M_{PP0} [kN.m]	$M_{PP\infty}$ [kN.m]	M_{RCP} [kN.m]	M_{SC}^{max+} [kN.m]	M_{SC}^{max-} [kN.m]	M_{VDT}^{max+} [kN.m]	M_{VDT}^{max-} [kN.m]
199,670	-7558,353	-12086,285	-3285,239	2388,531	-7343,135	5296,290	-2648,145
200,080	-6505,966	-11027,505	-3025,609	2495,528	-6936,015	5291,856	-2645,928
200,490	-5484,438	-9999,583	-2772,095	2418,024	-6536,426	5287,422	-2643,711
200,900	-4490,712	-8999,463	-2524,699	2387,111	-6144,368	5282,988	-2641,494
201,356	-3416,159	-7935,919	-2256,988	2499,262	-5717,580	5278,062	-2639,031
201,811	-2372,156	-6884,784	-1996,830	2570,412	-5300,090	5273,135	-2636,567
202,267	-1358,703	-5864,198	-1744,224	2704,844	-5119,178	5268,208	-2634,104
202,722	-375,800	-4874,161	-1499,169	3052,946	-5022,272	5263,282	-2631,641
203,178	576,555	-3914,674	-1261,667	3450,490	-4925,366	5258,355	-2629,178
203,633	1498,359	-2985,737	-1031,717	3715,737	-4828,461	5253,428	-2626,714
204,089	2389,614	-2087,349	-809,319	3918,266	-4731,555	5248,502	-2624,251
204,544	3250,319	-1219,511	-594,473	4280,105	-4634,649	5243,575	-2621,788
205,000	4080,475	-382,222	-387,179	4632,647	-4537,743	5238,648	-2619,324
205,492	4942,730	487,736	-171,783	4782,405	-4433,940	5233,328	-2616,664
205,984	5769,352	1322,061	34,803	5136,565	-4403,633	5228,007	-2614,003
206,476	6560,341	2120,754	232,581	5550,602	-4373,326	5222,686	-2611,343
206,968	7315,697	2883,813	421,550	5806,193	-4343,018	5217,365	-2608,683
207,460	8035,419	3611,239	601,710	6046,405	-4312,711	5212,045	-2606,022
207,952	8719,509	4303,033	773,062	6418,557	-4282,404	5206,724	-2603,362
208,444	9367,966	4959,193	935,604	6706,065	-4252,097	5201,403	-2600,702
208,936	9980,789	5579,720	1089,339	6835,128	-4221,790	5196,082	-2598,041
209,428	10557,980	6164,614	1234,264	7158,154	-4191,482	5190,761	-2595,381
209,920	11099,538	6713,875	1370,381	7477,216	-4161,175	5185,441	-2592,720
210,412	11605,462	7227,503	1497,689	7564,034	-4130,868	5180,120	-2590,060
210,904	12075,754	7705,498	1616,188	7765,320	-4100,561	5174,799	-2587,400
211,396	12510,412	8147,861	1725,879	8041,845	-4070,254	5169,478	-2584,739
211,888	12909,438	8554,589	1826,761	8159,906	-4039,946	5164,158	-2582,079
212,380	13272,830	8925,685	1918,834	8236,739	-4009,639	5158,837	-2579,418
212,872	13600,590	9261,148	2002,098	8470,497	-3979,332	5153,516	-2576,758
213,364	13892,716	9560,978	2076,554	8619,612	-3949,025	5148,195	-2574,098
213,856	14149,210	9825,175	2142,201	8610,281	-3918,718	5142,874	-2571,437
214,348	14370,070	10053,739	2199,039	8760,755	-3888,410	5137,554	-2568,777
214,840	14555,297	10246,670	2247,069	8940,739	-3858,103	5132,233	-2566,116

x [m]	M_{PP0} [kN.m]	$M_{PP\infty}$ [kN.m]	M_{RCP} [kN.m]	M_{SC}^{max+} [kN.m]	M_{SC}^{max-} [kN.m]	M_{VDT}^{max+} [kN.m]	M_{VDT}^{max-} [kN.m]
215,332	14704,892	10403,968	2286,290	8888,479	-3827,796	5126,912	-2563,456
215,824	14818,853	10525,632	2316,702	8910,953	-3797,489	5121,591	-2560,796
216,316	14897,181	10611,664	2338,306	9047,911	-3767,182	5116,271	-2558,135
216,808	14939,876	10662,063	2351,100	9026,422	-3736,874	5110,950	-2555,475
217,300	14946,938	10676,828	2355,087	8920,291	-3706,567	5105,629	-2552,815
217,797	14917,897	10655,568	2350,170	9015,009	-3720,951	5100,255	-2550,127
218,294	14852,499	10597,952	2336,266	9020,464	-3740,147	5094,880	-2547,440
218,791	14750,745	10503,979	2313,375	8869,492	-3759,344	5089,505	-2544,753
219,288	14612,634	10373,650	2281,496	8841,163	-3778,540	5084,131	-2542,066
219,785	14438,167	10206,963	2240,630	8869,918	-3797,736	5078,756	-2539,378
220,282	14227,343	10003,921	2190,776	8675,154	-3816,933	5073,382	-2536,691
220,779	13980,162	9764,522	2131,934	8524,483	-3836,129	5068,007	-2534,004
221,276	13696,625	9488,766	2064,105	8520,729	-3855,326	5062,633	-2531,316
221,773	13376,732	9176,654	1987,288	8338,183	-3874,522	5057,258	-2528,629
222,270	13020,482	8828,185	1901,484	8088,664	-3893,718	5051,884	-2525,942
222,767	12627,876	8443,360	1806,692	8019,256	-3912,915	5046,509	-2523,255
223,264	12198,912	8022,178	1702,912	7860,276	-3932,111	5041,135	-2520,567
223,761	11733,593	7564,640	1590,145	7567,232	-3951,308	5035,760	-2517,880
224,258	11231,917	7070,745	1468,391	7379,104	-3970,504	5030,386	-2515,193
224,755	10693,884	6540,494	1337,649	7243,923	-3989,701	5025,011	-2512,506
225,252	10119,495	5973,886	1197,919	6907,586	-4008,897	5019,637	-2509,818
225,748	9508,749	5370,922	1049,202	6603,491	-4028,093	5014,262	-2507,131
226,245	8861,647	4731,601	891,497	6458,861	-4047,290	5008,888	-2504,444
226,742	8178,189	4055,924	724,805	6113,075	-4066,486	5003,513	-2501,757
227,239	7458,373	3343,890	549,125	5722,679	-4085,683	4998,139	-2499,069
227,736	6702,201	2595,499	364,457	5509,167	-4104,879	4992,764	-2496,382
228,233	5909,673	1810,752	170,802	5187,842	-4124,075	4987,390	-2493,695
228,730	5080,788	989,649	-31,841	4754,817	-4143,272	4982,015	-2491,008
229,227	4215,547	132,189	-243,471	4456,386	-4185,598	4976,641	-2488,320
229,724	3313,949	-761,628	-464,089	4246,558	-4291,399	4971,266	-2485,633
230,221	2375,995	-1691,801	-693,694	3857,939	-4397,201	4965,892	-2482,946
230,718	1401,684	-2658,331	-932,287	3519,737	-4503,002	4960,517	-2480,259
231,215	391,016	-3661,217	-1179,867	3324,116	-4608,804	4955,142	-2477,571

x [m]	M_{PP0} [kN.m]	$M_{PP\infty}$ [kN.m]	M_{RCP} [kN.m]	M_{SC}^{max+} [kN.m]	M_{SC}^{max-} [kN.m]	M_{VDT}^{max+} [kN.m]	M_{VDT}^{max-} [kN.m]
231,712	-656,008	-4700,459	-1436,435	2904,976	-4714,606	4949,768	-2474,884
232,209	-1739,388	-5776,059	-1701,991	2468,991	-4820,407	4944,393	-2472,197
232,706	-2859,125	-6888,014	-1976,534	2270,793	-4964,771	4939,019	-2469,509
233,203	-4015,219	-8036,326	-2260,064	2226,332	-5419,300	4933,644	-2466,822
233,700	-5207,669	-9220,995	-2552,583	2103,598	-5884,894	4928,270	-2464,135
234,110	-6219,319	-10210,168	-2800,676	2134,950	-6277,339	4923,836	-2461,918
234,520	-7258,772	-11243,226	-3054,887	2212,148	-6677,314	4919,402	-2459,701
234,930	-8329,082	-12307,143	-3315,215	2104,847	-7084,821	4914,968	-2457,484
235,340	-9433,307	-13404,974	-3581,660	1997,545	-7499,858	4910,534	-2455,267
235,750	-10574,504	-14539,777	-3854,222	2038,310	-7922,426	4906,100	-2453,050
236,160	-11755,728	-15687,305	-4132,901	2109,962	-8352,525	4901,666	-2450,833
236,570	-12980,038	-16905,265	-4417,697	2177,830	-8790,155	4897,232	-2448,616
236,980	-14250,488	-18169,365	-4708,611	2265,045	-9235,315	4892,798	-2446,399
237,390	-15570,136	-19482,663	-5005,642	2352,261	-9688,007	4888,364	-2444,182
237,800	-16942,038	-20848,216	-5308,790	2439,476	-10167,613	4883,930	-2441,965
238,210	-15545,758	-19475,603	-5004,717	2380,594	-9719,131	4900,133	-2450,067
238,620	-14201,733	-18155,243	-4706,761	2321,712	-9278,180	4916,336	-2458,168
239,030	-12906,905	-16884,082	-4414,922	2262,830	-8844,760	4932,539	-2466,270
239,440	-11658,219	-15659,062	-4129,200	2203,949	-8418,871	4948,742	-2474,371
239,850	-10452,616	-14505,074	-3849,596	2145,067	-8000,512	4964,945	-2482,473
240,260	-9287,042	-13363,330	-3576,109	2086,185	-7589,685	4981,149	-2490,574
240,670	-8158,440	-12258,558	-3308,739	2201,442	-7186,388	4997,352	-2498,676
241,080	-7063,752	-11187,701	-3047,486	2321,889	-6790,622	5013,555	-2506,777
241,490	-5999,922	-10147,702	-2792,350	2257,836	-6402,387	5029,758	-2514,879
241,900	-4963,894	-9135,505	-2543,331	2241,085	-6021,683	5045,961	-2522,980
242,356	-3842,340	-8057,322	-2273,818	2368,110	-5607,511	5063,964	-2531,982
242,811	-2751,336	-6992,903	-2011,857	2454,135	-5202,636	5081,968	-2540,984
243,267	-1690,881	-5959,033	-1757,449	2619,343	-5050,242	5099,971	-2549,986
243,722	-660,976	-4955,713	-1510,592	2980,518	-4963,702	5117,975	-2558,987
244,178	338,380	-3982,943	-1271,287	3390,614	-4877,163	5135,978	-2567,989
244,633	1307,186	-3040,722	-1039,534	3668,412	-4790,623	5153,981	-2576,991
245,089	2245,442	-2129,050	-815,334	3883,725	-4704,084	5171,985	-2585,992
245,544	3153,149	-1247,929	-598,685	4258,039	-4617,544	5189,988	-2594,994

x [m]	M_{PP0} [kN.m]	$M_{PP\infty}$ [kN.m]	M_{RCP} [kN.m]	M_{SC}^{max+} [kN.m]	M_{SC}^{max-} [kN.m]	M_{VDT}^{max+} [kN.m]	M_{VDT}^{max-} [kN.m]
246,000	4030,306	-397,356	-389,588	4623,057	-4531,004	5207,992	-2603,996
246,492	4943,323	486,948	-172,247	4785,957	-4438,066	5227,435	-2613,718
246,984	5820,706	1335,620	36,287	5124,715	-4390,162	5246,879	-2623,440
247,476	6662,457	2148,659	236,011	5523,351	-4342,258	5266,323	-2633,161
247,968	7468,574	2926,064	426,927	5763,540	-4294,354	5285,766	-2642,883
248,460	8239,059	3667,837	609,034	5988,024	-4246,450	5305,210	-2652,605
248,952	8973,910	4373,976	782,332	6344,693	-4198,546	5324,654	-2662,327
249,444	9673,129	5044,483	946,821	6616,719	-4150,642	5344,097	-2672,049
249,936	10336,714	5679,356	1102,502	6730,298	-4102,738	5363,541	-2681,771
250,428	10964,666	6278,596	1249,374	7037,212	-4054,834	5382,985	-2691,492
250,920	11556,986	6842,204	1387,438	7340,713	-4006,930	5402,428	-2701,214
251,412	12113,672	7370,178	1516,693	7411,970	-3959,026	5421,872	-2710,936
251,904	12634,725	7862,519	1637,139	7596,870	-3911,122	5441,316	-2720,658
252,396	13120,145	8319,228	1748,776	7857,758	-3863,218	5460,760	-2730,380
252,888	13569,932	8740,303	1851,605	7960,201	-3815,314	5480,203	-2740,102
253,380	13984,087	9125,745	1945,624	8020,431	-3767,410	5499,647	-2749,824
253,872	14362,608	9475,554	2030,836	8238,485	-3719,506	5519,091	-2759,545
254,364	14705,496	9789,731	2107,238	8371,896	-3671,602	5538,534	-2769,267
254,856	15012,751	10068,274	2174,832	8346,861	-3623,698	5557,978	-2778,989
255,348	15284,373	10311,184	2233,617	8480,537	-3575,794	5577,422	-2788,711
255,840	15520,362	10518,461	2283,593	8644,757	-3527,890	5596,865	-2798,433
256,332	15720,718	10690,105	2324,761	8576,732	-3479,986	5616,309	-2808,155
256,824	15885,441	10826,116	2357,120	8582,357	-3432,082	5635,753	-2817,876
257,316	16014,531	10926,494	2380,670	8703,498	-3384,178	5655,196	-2827,598
257,808	16107,988	10991,239	2395,411	8666,193	-3336,274	5674,640	-2837,320
258,300	16165,811	11020,351	2401,344	8544,246	-3288,370	5694,084	-2847,042
258,797	16188,044	11013,582	2398,394	8621,965	-3239,982	5713,724	-2856,862
259,294	16173,921	10970,457	2386,457	8611,403	-3213,843	5733,364	-2866,682
259,791	16123,441	10890,975	2365,532	8444,413	-3212,449	5753,004	-2876,502
260,288	16036,605	10775,136	2335,619	8399,266	-3211,056	5772,644	-2886,322
260,785	15913,412	10622,942	2296,719	8411,975	-3209,662	5792,284	-2896,142
261,282	15753,862	10434,390	2248,831	8201,165	-3208,269	5811,924	-2905,962
261,779	15557,956	10209,482	2191,956	8033,995	-3206,875	5831,564	-2915,782

x [m]	M_{PP0} [kN.m]	$M_{PP\infty}$ [kN.m]	M_{RCP} [kN.m]	M_{SC}^{max+} [kN.m]	M_{SC}^{max-} [kN.m]	M_{VDT}^{max+} [kN.m]	M_{VDT}^{max-} [kN.m]
262,276	15325,694	9948,218	2126,093	8014,180	-3205,482	5851,205	-2925,602
262,773	15057,075	9650,597	2051,243	7815,574	-3204,088	5870,845	-2935,422
263,270	14752,099	9316,619	1967,405	7549,993	-3202,695	5890,485	-2945,242
263,767	14410,767	8946,285	1874,580	7464,559	-3201,302	5910,125	-2955,062
264,264	14033,079	8539,595	1772,766	7289,519	-3199,908	5929,765	-2964,882
264,761	13619,033	8096,548	1661,966	6980,415	-3198,515	5949,405	-2974,703
265,258	13168,632	7617,144	1542,178	6776,919	-3197,121	5969,045	-2984,523
265,755	12681,874	7101,384	1413,402	6625,696	-3195,728	5988,685	-2994,343
266,252	12158,759	6549,267	1275,639	6273,317	-3194,334	6008,325	-3004,163
266,748	11599,288	5960,794	1128,888	5954,701	-3192,941	6027,965	-3013,983
267,245	11003,460	5335,964	973,149	5794,066	-3191,547	6047,605	-3023,803
267,742	10371,276	4674,778	808,423	5432,276	-3190,154	6067,246	-3033,623
268,239	9702,735	3977,235	634,710	5025,876	-3188,760	6086,886	-3043,443
268,736	8997,837	3243,336	452,009	4798,948	-3187,367	6106,526	-3053,263
269,233	8256,584	2473,080	260,320	4461,677	-3185,973	6126,166	-3063,083
269,730	7478,973	1666,468	59,644	4012,705	-3184,580	6145,806	-3072,903
270,227	6665,006	823,499	-150,020	3745,262	-3249,428	6165,446	-3082,723
270,724	5814,683	-55,827	-368,672	3520,639	-3335,710	6185,086	-3092,543
271,221	4928,003	-971,508	-596,311	3117,224	-3421,993	6204,726	-3102,363
271,718	4004,966	-1923,547	-832,937	2769,498	-3508,275	6224,366	-3112,183
272,215	3045,573	-2911,942	-1078,551	2559,185	-3594,558	6244,006	-3122,003
272,712	2049,824	-3936,693	-1333,153	2125,353	-3680,841	6263,647	-3131,823
273,209	1017,718	-4997,801	-1596,742	1681,627	-3767,123	6283,287	-3141,643
273,706	-50,745	-6095,266	-1869,319	1603,271	-4026,373	6302,927	-3151,463
274,203	-1155,564	-7229,087	-2150,883	1546,701	-4463,838	6322,567	-3161,283
274,700	-2296,740	-8399,265	-2441,435	1411,859	-4912,367	6342,207	-3171,103
275,110	-3266,089	-9367,988	-2687,906	1442,195	-5290,732	6358,410	-3179,205
275,520	-4263,240	-10388,969	-2940,494	1509,532	-5676,629	6374,613	-3187,307
275,930	-5291,249	-11440,809	-3199,200	1392,370	-6070,057	6390,816	-3195,408
276,340	-6353,173	-12526,563	-3464,023	1275,207	-6471,016	6407,019	-3203,510
276,750	-7452,068	-13649,289	-3734,963	1317,121	-6879,505	6423,222	-3211,611
277,160	-8590,991	-14769,140	-4012,020	1388,301	-7295,525	6439,425	-3219,713
277,570	-9772,999	-15974,814	-4295,194	1466,187	-7719,077	6455,628	-3227,814

x [m]	M_{PP0} [kN.m]	$M_{PP\infty}$ [kN.m]	M_{RCP} [kN.m]	M_{SC}^{max+} [kN.m]	M_{SC}^{max-} [kN.m]	M_{VDT}^{max+} [kN.m]	M_{VDT}^{max-} [kN.m]
277,980	-11001,148	-17226,629	-4584,485	1544,072	-8238,431	6471,831	-3235,916
278,390	-12278,494	-18527,642	-4879,894	1621,958	-8774,029	6488,035	-3244,017
278,800	-13608,095	-19880,909	-5181,419	1699,843	-9317,158	6504,238	-3252,119
279,210	-12320,209	-18514,634	-4875,024	1678,595	-8903,223	6422,935	-3211,467
279,620	-11084,578	-17200,613	-4574,745	1657,347	-8496,820	6341,632	-3170,816
280,030	-9898,144	-15935,790	-4280,584	1636,099	-8097,947	6260,329	-3130,164
280,440	-8757,851	-14717,107	-3992,540	1614,851	-7706,606	6179,026	-3089,513
280,850	-7660,643	-13582,349	-3710,613	1593,603	-7322,795	6097,723	-3048,861
281,260	-6603,463	-12446,235	-3434,804	1582,310	-6946,515	6016,420	-3008,210
281,670	-5583,254	-11347,092	-3165,111	1740,441	-6577,766	5935,117	-2967,558
282,080	-4596,961	-10281,864	-2901,536	1898,572	-6216,548	5853,814	-2926,907
282,490	-3641,525	-9247,494	-2644,077	1872,203	-5862,861	5772,511	-2886,255
282,900	-2713,891	-8240,927	-2392,736	1928,379	-5534,326	5691,208	-2845,604
283,356	-1712,775	-7173,993	-2120,643	2385,131	-5446,480	5600,871	-2800,436
283,811	-742,208	-6115,369	-1856,101	2791,586	-5358,633	5510,535	-2755,267
284,267	197,809	-5087,294	-1599,112	3024,744	-5270,787	5420,198	-2710,099
284,722	1107,276	-4089,770	-1349,675	3406,182	-5182,940	5329,861	-2664,931
285,178	1986,194	-3122,795	-1107,790	3818,210	-5095,094	5239,525	-2619,762
285,633	2834,563	-2186,369	-873,456	4097,940	-5007,248	5149,188	-2574,594
286,089	3652,381	-1280,493	-646,675	4333,102	-4919,401	5058,851	-2529,426
286,544	4439,650	-405,167	-427,446	4709,082	-4831,555	4968,515	-2484,257
287,000	5196,370	439,610	-215,769	5075,764	-4743,708	4878,178	-2439,089
287,492	5979,314	1317,656	4,360	5239,939	-4648,834	4780,615	-2390,307
287,984	6726,624	2160,069	215,680	5551,034	-4553,960	4683,051	-2341,526
288,476	7438,302	2966,848	418,191	5905,483	-4459,086	4585,488	-2292,744
288,968	8114,347	3737,995	611,894	6101,485	-4364,212	4487,924	-2243,962
289,460	8754,759	4473,508	796,788	6294,894	-4269,337	4390,360	-2195,180
289,952	9359,537	5173,389	972,873	6606,786	-4174,463	4292,797	-2146,398
290,444	9928,683	5837,636	1140,149	6834,034	-4079,589	4195,233	-2097,617
290,936	10462,195	6466,251	1298,617	6903,890	-3984,715	4097,670	-2048,835
291,428	10960,075	7059,232	1448,276	7172,680	-3889,841	4000,106	-2000,053
291,920	11422,322	7616,581	1589,127	7430,626	-3794,967	3902,543	-1951,271
292,412	11848,935	8138,296	1721,168	7456,328	-3700,092	3804,979	-1902,490

x [m]	M_{PP0} [kN.m]	$M_{PP\infty}$ [kN.m]	M_{RCP} [kN.m]	M_{SC}^{max+} [kN.m]	M_{SC}^{max-} [kN.m]	M_{VDT}^{max+} [kN.m]	M_{VDT}^{max-} [kN.m]
292,904	12239,916	8624,378	1844,401	7596,672	-3605,218	3707,415	-1853,708
293,396	12595,263	9074,828	1958,825	7811,014	-3510,344	3609,852	-1804,926
293,888	12914,977	9489,644	2064,441	7866,909	-3415,470	3512,288	-1756,144
294,380	13199,059	9868,827	2161,248	7872,766	-3320,596	3414,725	-1707,362
294,872	13447,507	10212,378	2249,246	8043,043	-3225,722	3317,161	-1658,581
295,364	13660,322	10520,295	2328,435	8128,677	-3130,847	3219,598	-1609,799
295,856	13837,505	10792,579	2398,816	8055,865	-3035,973	3122,034	-1561,017
296,348	13979,054	11029,230	2460,388	8121,273	-2941,099	3024,471	-1512,235
296,840	14084,970	11230,248	2513,151	8236,221	-2846,225	2926,907	-1463,454
297,332	14155,253	11395,633	2557,106	8118,925	-2751,351	2829,343	-1414,672
297,824	14189,904	11525,385	2592,252	8040,757	-2656,477	2731,780	-1365,890
298,316	14188,921	11619,504	2618,589	8110,845	-2561,602	2634,216	-1317,108
298,808	14152,305	11677,990	2636,117	8022,486	-2466,728	2536,653	-1268,326
299,300	14080,056	11700,843	2644,837	7849,485	-2371,854	2439,089	-1219,545
299,782	13974,632	11688,656	2644,835	7821,561	-2278,840	2343,439	-1171,719
300,265	13834,958	11642,220	2636,365	7770,528	-2185,826	2247,788	-1123,894
300,747	13661,035	11561,534	2619,429	7557,130	-2092,812	2152,137	-1076,069
301,229	13452,863	11446,599	2594,027	7367,635	-1999,799	2056,487	-1028,243
301,712	13210,442	11297,415	2560,158	7337,748	-1906,785	1960,836	-980,418
302,194	12933,771	11113,981	2517,822	7102,083	-1813,771	1865,186	-932,593
302,676	12622,850	10896,298	2467,019	6834,290	-1720,757	1769,535	-884,768
303,159	12277,681	10644,365	2407,750	6674,141	-1627,743	1673,885	-836,942
303,641	11898,262	10358,183	2340,014	6481,082	-1534,729	1578,234	-789,117
304,124	11484,593	10037,752	2263,812	6169,070	-1441,715	1482,584	-741,292
304,606	11036,676	9683,071	2179,143	5846,635	-1348,701	1386,933	-693,467
305,088	10554,509	9294,141	2086,007	5691,352	-1255,687	1291,283	-645,641
305,571	10038,092	8870,962	1984,405	5334,916	-1162,674	1195,632	-597,816
306,053	9487,426	8413,534	1874,335	4968,057	-1069,660	1099,981	-549,991
306,535	8902,511	7921,856	1755,800	4665,497	-976,646	1004,331	-502,165
307,018	8283,347	7395,928	1628,797	4329,591	-883,632	908,680	-454,340
307,500	7629,933	6844,389	1493,328	3918,144	-790,618	813,030	-406,515
307,910	7046,912	6339,758	1371,523	3560,218	-711,556	731,727	-365,863
308,320	6434,999	5806,235	1243,600	3286,151	-632,494	650,424	-325,212

x [m]	M_{PP0} [kN.m]	$M_{PP\infty}$ [kN.m]	M_{RCP} [kN.m]	M_{SC}^{max+} [kN.m]	M_{SC}^{max-} [kN.m]	M_{VDT}^{max+} [kN.m]	M_{VDT}^{max-} [kN.m]
308,730	5790,050	5239,675	1109,560	2901,740	-553,433	569,121	-284,560
309,140	5107,917	4635,932	969,403	2509,799	-474,371	487,818	-243,909
309,550	4384,455	3990,859	823,129	2110,326	-395,309	406,515	-203,257
309,960	3615,502	3298,120	670,737	1749,263	-316,247	325,212	-162,606
310,370	2796,826	2558,471	512,229	1323,244	-237,185	243,909	-121,955
310,780	1924,182	1765,013	347,603	889,693	-158,124	162,606	-81,303
311,190	993,322	913,578	176,860	448,612	-79,062	81,303	-40,652
311,600	0,000	0,000	0,000	0,000	0,000	0,000	0,000

b. Momento fletor devido ao Pré-esforço (PE) - Inicio da exploração e longo prazo

x [m]	$M_{PE,Iso,0}$ [kN.m]	$M_{PE,Iso,\infty}$ [kN.m]	$M_{PE,HIP,0}$ [kN.m]	$M_{PE,HIP,\infty}$ [kN.m]
0,000	0,000	0,000	0,000	0,000
0,410	-1614,587	-1459,312	103,027	140,654
0,820	-3183,446	-2877,186	206,639	282,097
1,230	-4706,113	-4252,931	310,837	424,302
1,640	-6182,120	-5585,828	415,625	567,235
2,050	-7611,004	-6875,082	520,995	710,854
2,460	-8992,297	-8070,236	626,951	851,880
2,870	-10325,534	-9262,333	733,495	996,168
3,280	-11610,249	-10409,071	840,622	1141,034
3,690	-12845,976	-11509,518	948,337	1286,409
4,100	-14032,251	-12564,329	1056,642	1432,399
4,582	-15356,440	-13675,569	1184,222	1598,840
5,065	-16609,629	-14778,598	1312,520	1770,484
5,547	-17791,122	-15816,183	1441,481	1942,762
6,029	-18900,300	-16789,487	1571,131	2115,891
6,512	-19936,520	-17697,807	1701,476	2289,849
6,994	-20899,154	-18538,376	1832,528	2464,347
7,476	-21787,521	-19316,370	1964,251	2640,112
7,959	-22600,994	-20029,371	2096,666	2816,927
8,441	-23338,943	-20675,397	2229,786	2994,609

x [m]	$M_{PE,Iso,0}$ [kN.m]	$M_{PE,Iso,\infty}$ [kN.m]	$M_{PE,HIP,0}$ [kN.m]	$M_{PE,HIP,\infty}$ [kN.m]
8,924	-24000,696	-21255,620	2363,582	3173,392
9,406	-24585,621	-21772,549	2498,068	3353,778
9,888	-25093,084	-22223,409	2633,253	3535,492
10,371	-25522,421	-22604,274	2769,123	3718,004
10,853	-25872,997	-22922,091	2905,681	3902,593
11,335	-26144,167	-23173,713	3042,931	4088,928
11,818	-26335,290	-23354,628	3180,874	4276,381
12,300	-26445,714	-23467,080	3319,508	4465,509
12,756	-26454,033	-23495,567	3446,532	4640,541
13,211	-26354,575	-23432,392	3565,448	4805,806
13,667	-26271,538	-23375,431	3692,758	4980,991
14,122	-26081,156	-23229,589	3811,388	5146,209
14,578	-25906,550	-23094,646	3938,981	5323,225
15,033	-25625,458	-22866,365	4057,318	5488,491
15,489	-25359,068	-22644,372	4185,198	5665,406
15,944	-24987,481	-22334,935	4303,243	5831,033
16,400	-24629,092	-22032,926	4431,407	6009,701
16,892	-24130,618	-21605,997	4558,991	6188,163
17,384	-23635,740	-21177,735	4697,305	6380,372
17,876	-23032,128	-20657,169	4824,570	6559,674
18,368	-22429,527	-20129,870	4963,194	6752,567
18,860	-21721,028	-19507,882	5090,146	6930,213
19,352	-21010,452	-18881,568	5229,073	7123,844
19,844	-20197,316	-18163,461	5355,707	7301,445
20,336	-19378,516	-17433,978	5494,946	7494,225
20,828	-18460,994	-16616,785	5621,262	7670,317
21,320	-17533,719	-15788,417	5760,808	7863,862
21,812	-16512,061	-14872,526	5886,807	8038,064
22,304	-15476,061	-13940,703	6026,659	8229,808
22,796	-14350,517	-12929,276	6152,345	8403,038
23,288	-13205,542	-11896,885	6292,510	8593,902
23,780	-11976,361	-10787,871	6417,875	8763,791
24,272	-10722,162	-9655,494	6558,346	8953,172

x [m]	$M_{PE,Iso,0}$ [kN.m]	$M_{PE,Iso,\infty}$ [kN.m]	$M_{PE,HIP,0}$ [kN.m]	$M_{PE,HIP,\infty}$ [kN.m]
24,764	-9389,596	-8452,467	6683,399	9120,627
25,256	-8025,920	-7220,647	6824,176	9307,286
25,748	-6590,219	-5924,965	6948,908	9470,973
26,240	-5116,817	-4577,692	7090,000	9615,799
26,732	-3578,231	-3201,937	7214,415	9786,755
27,224	-1994,853	-1785,243	7355,812	9979,547
27,716	-353,632	-316,469	7479,907	10147,774
28,208	1339,972	1198,956	7621,612	10338,315
28,700	3268,646	2919,962	8210,257	11118,901
29,110	4731,862	4244,078	8289,387	11255,285
29,520	6027,136	5405,528	8366,298	11359,074
29,930	7155,570	6418,941	8442,099	11464,416
30,340	8119,378	7287,601	8516,791	11572,308
30,750	8920,777	8014,586	8590,376	11683,491
31,160	9561,982	8650,732	8662,856	11836,683
31,570	10045,208	9101,106	8734,225	11951,530
31,980	10372,671	9414,521	8804,488	12069,117
32,390	10546,587	9592,193	8873,642	12189,098
32,800	10569,170	9634,869	8941,691	12310,851
33,210	10442,637	9499,450	8894,398	12205,452
33,620	10169,203	9232,948	8847,142	12102,909
34,030	9751,083	8838,538	8799,909	12003,907
34,440	9190,493	8319,070	8752,709	11909,067
34,850	8489,649	7672,595	8705,536	11839,543
35,260	7650,766	6871,263	8658,397	11687,837
35,670	6676,059	5992,567	8611,281	11603,870
36,080	5567,744	4996,755	8564,197	11524,286
36,490	4328,037	3884,600	8517,143	11448,357
36,900	2960,162	2647,567	8469,110	11330,639
37,356	1404,291	1256,115	8448,708	11304,169
37,811	-101,640	-90,966	8428,288	11267,895
38,267	-1557,964	-1395,169	8407,910	11231,919
38,722	-2964,885	-2656,593	8387,509	11195,808

x [m]	$M_{PE,Iso,0}$ [kN.m]	$M_{PE,Iso,\infty}$ [kN.m]	$M_{PE,HIP,0}$ [kN.m]	$M_{PE,HIP,\infty}$ [kN.m]
39,178	-4322,733	-3875,426	8367,153	11159,661
39,633	-5631,715	-5076,499	8346,776	11177,919
40,089	-6892,159	-6223,042	8326,444	11153,983
40,544	-8104,275	-7329,807	8306,093	11130,172
41,000	-9268,386	-8396,555	8285,779	11106,040
41,492	-10521,229	-9546,977	8302,712	11130,156
41,984	-11729,746	-10660,680	8319,626	11154,075
42,476	-12893,570	-11736,949	8336,519	11177,651
42,968	-14012,331	-12773,374	8353,397	11199,297
43,460	-15085,663	-13769,827	8370,254	11219,730
43,952	-16113,197	-14726,912	8387,095	11240,017
44,444	-17094,566	-15642,040	8403,914	11258,660
44,936	-18029,402	-16513,399	8420,717	11275,006
45,428	-18917,338	-17344,210	8437,504	11291,775
45,920	-19758,005	-18131,808	8454,271	11307,527
46,412	-20551,036	-18872,282	8471,016	11320,303
46,904	-21296,063	-19569,725	8487,748	11333,039
47,396	-21992,718	-20223,314	8504,458	11345,505
47,888	-22640,633	-20828,780	8521,150	11355,621
48,380	-23239,442	-21386,604	8537,826	11364,044
48,872	-23788,775	-21897,548	8554,481	11371,484
49,364	-24288,265	-22363,886	8571,116	11379,348
49,856	-24737,545	-22783,889	8587,736	11386,928
50,348	-25136,246	-23156,077	8604,334	11393,692
50,840	-25484,002	-23480,083	8620,916	11399,673
51,332	-25780,443	-23750,982	8637,479	11402,705
51,824	-26025,203	-23974,712	8654,023	11405,865
52,316	-26217,913	-24151,848	8670,546	11409,570
52,808	-26358,206	-24276,380	8687,054	11411,142
53,300	-26445,714	-24349,598	8703,543	11411,360
53,797	-26466,646	-24366,060	8715,733	11407,830
54,294	-26433,050	-24329,624	8727,904	11402,949
54,791	-26344,630	-24238,714	8740,066	11396,086

x [m]	$M_{PE,Iso,0}$ [kN.m]	$M_{PE,Iso,\infty}$ [kN.m]	$M_{PE,HIP,0}$ [kN.m]	$M_{PE,HIP,\infty}$ [kN.m]
55,288	-26201,090	-24099,042	8752,209	11390,021
55,785	-26002,135	-23908,935	8764,339	11384,081
56,282	-25747,468	-23662,566	8776,448	11375,576
56,779	-25436,794	-23365,277	8788,548	11367,127
57,276	-25069,817	-23018,728	8800,631	11359,652
57,773	-24646,240	-22616,557	8812,696	11350,113
58,270	-24165,769	-22160,901	8824,747	11339,591
58,767	-23628,106	-21655,921	8836,781	11330,295
59,264	-23032,956	-21096,682	8848,800	11319,768
59,761	-22380,024	-20482,587	8860,804	11307,682
60,258	-21669,013	-19817,262	8872,793	11296,056
60,755	-20899,628	-19099,568	8884,767	11284,362
61,252	-20071,590	-18326,123	8896,745	11270,623
61,748	-19184,569	-17500,026	8908,686	11256,641
62,245	-18238,285	-16622,389	8920,610	11243,237
62,742	-17232,444	-15689,339	8932,526	11227,840
63,239	-16166,748	-14702,734	8944,420	11211,584
63,736	-15040,902	-13664,247	8956,302	11195,749
64,233	-13854,611	-12571,628	8968,162	11178,538
64,730	-12607,578	-11425,243	8980,012	11160,015
65,227	-11299,507	-10226,437	8991,850	11141,296
65,724	-9930,103	-8974,811	9003,668	11121,897
66,221	-8499,069	-7669,864	9015,468	11100,863
66,718	-7006,110	-6312,612	9027,250	11079,043
67,215	-5450,930	-4884,683	9039,024	11014,437
67,712	-3833,233	-3432,971	9050,778	11003,342
68,209	-2152,722	-1926,604	9062,516	10991,165
68,706	-409,103	-365,841	9074,238	10977,792
69,203	1397,921	1248,981	9085,947	10963,312
69,700	3268,646	2917,572	9097,640	10947,927
70,110	4731,862	4240,216	9052,658	10909,373
70,520	6027,136	5399,932	9006,590	10836,424
70,930	7155,570	6412,005	8960,551	10767,428

x [m]	$M_{PE,Iso,0}$ [kN.m]	$M_{PE,Iso,\infty}$ [kN.m]	$M_{PE,HIP,0}$ [kN.m]	$M_{PE,HIP,\infty}$ [kN.m]
71,340	8119,378	7279,903	8914,546	10703,045
71,750	8920,777	8006,788	8868,563	10643,659
72,160	9561,982	8644,980	8822,615	10632,075
72,570	10045,208	9096,280	8776,693	10578,343
72,980	10372,671	9411,011	8730,807	10528,282
73,390	10546,587	9590,270	8684,940	10481,367
73,800	10569,170	9634,669	8639,112	10436,869
74,210	10442,637	9499,439	8596,132	10368,382
74,620	10169,203	9233,138	8553,159	10302,052
75,030	9751,083	8838,868	8510,182	10238,401
75,440	9190,493	8319,343	8467,208	10177,813
75,850	8489,649	7672,816	8424,236	10132,562
76,260	7650,766	6871,467	8381,267	10022,900
76,670	6676,059	5992,709	8338,295	9970,914
77,080	5567,744	4996,844	8295,331	9922,477
77,490	4328,037	3884,649	8252,363	9876,981
77,900	2960,162	2647,590	8208,388	9795,050
78,356	1404,291	1256,120	8191,498	9791,003
78,811	-101,640	-90,966	8174,576	9781,610
79,267	-1557,964	-1395,152	8157,687	9772,337
79,722	-2964,885	-2656,534	8140,764	9762,898
80,178	-4322,733	-3875,307	8123,870	9753,378
80,633	-5631,715	-5074,952	8106,947	9788,844
81,089	-6892,159	-6220,787	8090,047	9789,537
81,544	-8104,275	-7326,762	8073,121	9790,363
82,000	-9268,386	-8392,669	8056,222	9790,949
82,492	-10521,229	-9542,131	8075,766	9835,964
82,984	-11729,746	-10655,091	8095,306	9881,276
83,476	-12893,570	-11730,424	8114,844	9926,330
83,968	-14012,331	-12765,933	8134,378	9969,908
84,460	-15085,663	-13761,528	8153,909	10012,658
84,952	-16113,197	-14717,785	8173,437	10055,488
85,444	-17094,566	-15632,145	8192,966	10097,073

x [m]	$M_{PE,Iso,0}$ [kN.m]	$M_{PE,Iso,\infty}$ [kN.m]	$M_{PE,HIP,0}$ [kN.m]	$M_{PE,HIP,\infty}$ [kN.m]
85,936	-18029,402	-16502,803	8212,487	10136,810
86,428	-18917,338	-17333,007	8232,009	10177,145
86,920	-19758,005	-18120,059	8251,522	10216,755
87,412	-20551,036	-18860,072	8271,038	10253,871
87,904	-21296,063	-19557,148	8290,548	10291,140
88,396	-21992,718	-20210,447	8310,057	10328,342
88,888	-22640,633	-20815,709	8329,562	10363,584
89,380	-23239,442	-21374,180	8349,067	10397,817
89,872	-23788,775	-21888,984	8368,565	10432,788
90,364	-24288,265	-22355,449	8388,059	10466,453
90,856	-24737,545	-22771,603	8407,553	10498,151
91,348	-25136,246	-23143,203	8427,043	10530,755
91,840	-25484,002	-23467,475	8446,529	10563,143
92,332	-25780,443	-23738,703	8466,013	10592,939
92,824	-26025,203	-23962,805	8485,494	10622,976
93,316	-26217,913	-24140,387	8504,973	10653,667
93,808	-26358,206	-24265,417	8524,443	10682,493
94,300	-26445,714	-24339,151	8543,915	10710,162
94,797	-26466,646	-24356,205	8559,214	10734,713
95,294	-26433,050	-24320,394	8574,510	10758,091
95,791	-26344,630	-24230,136	8589,802	10779,685
96,288	-26201,090	-24091,113	8605,090	10802,112
96,785	-26002,135	-23901,690	8620,376	10824,753
97,282	-25747,468	-23656,014	8635,662	10845,037
97,779	-25436,794	-23359,396	8650,943	10865,437
98,276	-25069,817	-23013,535	8666,220	10886,855
98,773	-24646,240	-22612,040	8681,494	10906,366
99,270	-24165,769	-22157,040	8696,766	10924,995
99,767	-23628,106	-21652,676	8712,031	10944,862
100,264	-23032,956	-21094,039	8727,295	10963,610
100,761	-22380,024	-20480,510	8742,556	10980,903
101,258	-21669,013	-19815,699	8757,814	10998,687
101,755	-20899,628	-19098,484	8773,068	11016,461

x [m]	$M_{PE,Iso,0}$ [kN.m]	$M_{PE,Iso,\infty}$ [kN.m]	$M_{PE,HIP,0}$ [kN.m]	$M_{PE,HIP,\infty}$ [kN.m]
102,252	-20071,590	-18325,467	8788,338	11032,279
102,748	-19184,569	-17499,736	8803,587	11047,893
103,245	-18238,285	-16622,416	8818,832	11064,114
103,742	-17232,444	-15689,624	8834,074	11078,401
104,239	-16166,748	-14703,216	8849,315	11091,861
104,736	-15040,902	-13664,865	8864,549	11105,752
105,233	-13854,611	-12572,326	8879,783	11118,292
105,730	-12607,578	-11425,965	8895,015	11129,529
106,227	-11299,507	-10227,160	8910,238	11140,592
106,724	-9930,103	-8975,550	8925,461	11151,047
107,221	-8499,069	-7670,538	8940,681	11159,814
107,718	-7006,110	-6313,161	8955,896	11167,730
108,215	-5450,930	-4884,743	8971,108	11131,590
108,712	-3833,233	-3432,991	8986,318	11150,211
109,209	-2152,722	-1926,607	9001,524	11167,829
109,706	-409,103	-365,841	9016,724	11184,320
110,203	1397,921	1248,984	9031,923	11199,780
110,700	3268,646	2917,596	9047,119	11214,403
111,110	4731,862	4240,270	9005,328	11198,887
111,520	6027,136	5400,040	8962,424	11148,920
111,930	7155,570	6412,185	8919,522	11102,792
112,340	8119,378	7280,171	8876,622	11061,211
112,750	8920,777	8007,157	8833,721	11024,599
113,160	9561,982	8645,360	8790,823	11035,005
113,570	10045,208	9096,748	8747,927	11003,891
113,980	10372,671	9411,563	8705,032	10976,438
114,390	10546,587	9590,896	8662,137	10952,121
114,800	10569,170	9635,356	8619,249	10930,194
115,210	10442,637	9500,160	8576,474	10851,730
115,620	10169,203	9233,827	8533,701	10775,553
116,030	9751,083	8839,507	8490,929	10702,261
116,440	9190,493	8319,916	8448,159	10632,246
116,850	8489,649	7673,319	8405,384	10580,770

x [m]	$M_{PE,Iso,0}$ [kN.m]	$M_{PE,Iso,\infty}$ [kN.m]	$M_{PE,HIP,0}$ [kN.m]	$M_{PE,HIP,\infty}$ [kN.m]
117,260	7650,766	6871,976	8362,614	10459,778
117,670	6676,059	5993,101	8319,842	10398,907
118,080	5567,744	4997,119	8277,073	10341,794
118,490	4328,037	3884,817	8234,300	10287,799
118,900	2960,162	2647,681	8190,522	10196,016
119,356	1404,291	1256,141	8173,784	10185,770
119,811	-101,640	-90,966	8157,009	10168,712
120,267	-1557,964	-1395,125	8140,267	10151,797
120,722	-2964,885	-2656,437	8123,492	10134,740
121,178	-4322,733	-3875,101	8106,747	10117,626
121,633	-5631,715	-5076,101	8089,967	10150,174
122,089	-6892,159	-6222,469	8073,216	10144,265
122,544	-8104,275	-7329,033	8056,441	10138,455
123,000	-9268,386	-8395,567	8039,686	10132,356
123,492	-10521,229	-9545,728	8059,306	10171,609
123,984	-11729,746	-10659,399	8078,927	10211,066
124,476	-12893,570	-11735,420	8098,544	10250,138
124,968	-14012,331	-12771,589	8118,160	10287,584
125,460	-15085,663	-13767,806	8137,772	10324,075
125,952	-16113,197	-14724,636	8157,384	10360,554
126,444	-17094,566	-15639,511	8176,994	10395,657
126,936	-18029,402	-16510,623	8196,602	10428,770
127,428	-18917,338	-17341,215	8216,203	10462,415
127,920	-19758,005	-18128,584	8235,807	10495,235
128,412	-20551,036	-18868,841	8255,405	10525,415
128,904	-21296,063	-19566,092	8275,002	10555,682
129,396	-21992,718	-20219,491	8294,597	10585,809
129,888	-22640,633	-20824,783	8314,190	10613,861
130,380	-23239,442	-21383,216	8333,781	10640,818
130,872	-23788,775	-21897,916	8353,368	10668,467
131,364	-24288,265	-22364,215	8372,952	10694,727
131,856	-24737,545	-22780,143	8392,534	10718,921
132,348	-25136,246	-23151,463	8412,112	10743,986

x [m]	$M_{PE,Iso,0}$ [kN.m]	$M_{PE,Iso,\infty}$ [kN.m]	$M_{PE,HIP,0}$ [kN.m]	$M_{PE,HIP,\infty}$ [kN.m]
132,840	-25484,002	-23475,403	8431,689	10768,781
133,332	-25780,443	-23746,255	8451,266	10790,887
133,824	-26025,203	-23969,938	8470,835	10813,194
134,316	-26217,913	-24147,066	8490,407	10836,122
134,808	-26358,206	-24271,612	8509,973	10857,114
135,300	-26445,714	-24344,835	8529,539	10876,889
135,797	-26466,646	-24361,355	8544,939	10893,381
136,294	-26433,050	-24324,996	8560,337	10908,652
136,791	-26344,630	-24234,180	8575,735	10922,091
137,288	-26201,090	-24094,595	8591,127	10936,346
137,785	-26002,135	-23904,614	8606,520	10950,794
138,282	-25747,468	-23658,388	8621,907	10962,836
138,779	-25436,794	-23361,232	8637,291	10974,975
139,276	-25069,817	-23014,853	8652,674	10988,126
139,773	-24646,240	-22612,864	8668,053	10999,333
140,270	-24165,769	-22157,400	8683,431	11009,640
140,767	-23628,106	-21652,606	8698,806	11021,179
141,264	-23032,956	-21093,578	8714,178	11031,584
141,761	-22380,024	-20479,700	8729,548	11040,515
142,258	-21669,013	-19814,587	8744,915	11049,933
142,755	-20899,628	-19097,119	8760,277	11059,338
143,252	-20071,590	-18323,902	8775,654	11066,779
143,748	-19184,569	-17498,024	8791,012	11074,017
144,245	-18238,285	-16620,613	8806,370	11081,869
144,742	-17232,444	-15687,784	8821,725	11087,790
145,239	-16166,748	-14701,392	8837,076	11092,896
145,736	-15040,902	-13663,108	8852,423	11098,445
146,233	-13854,611	-12570,684	8867,765	11102,659
146,730	-12607,578	-11424,480	8883,105	11105,594
147,227	-11299,507	-10225,874	8898,447	11108,389
147,724	-9930,103	-8974,504	8913,782	11110,627
148,221	-8499,069	-7669,735	8929,115	11111,205
148,718	-7006,110	-6312,589	8944,447	11110,961

x [m]	$M_{PE,Iso,0}$ [kN.m]	$M_{PE,Iso,\infty}$ [kN.m]	$M_{PE,HIP,0}$ [kN.m]	$M_{PE,HIP,\infty}$ [kN.m]
149,215	-5450,930	-4884,492	8959,773	11067,189
149,712	-3833,233	-3432,863	8975,099	11077,607
150,209	-2152,722	-1926,566	8990,420	11087,027
150,706	-409,103	-365,839	9005,737	11095,326
151,203	1397,921	1249,002	9021,053	11102,609
151,700	3268,646	2917,698	9036,365	11109,066
152,110	4731,862	4240,458	8994,739	11087,293
152,520	6027,136	5400,352	8951,995	11031,229
152,930	7155,570	6412,637	8909,255	10979,014
153,340	8119,378	7280,768	8866,511	10931,341
153,750	8920,777	8007,896	8823,771	10888,619
154,160	9561,982	8646,052	8781,028	10892,764
154,570	10045,208	9097,532	8738,290	10855,523
154,980	10372,671	9412,421	8695,551	10821,922
155,390	10546,587	9591,807	8652,810	10791,435
155,800	10569,170	9636,295	8610,073	10763,324
156,210	10442,637	9501,048	8567,713	10689,362
156,620	10169,203	9234,639	8525,355	10617,591
157,030	9751,083	8840,225	8482,991	10548,604
157,440	9190,493	8320,528	8440,625	10482,797
157,850	8489,649	7673,830	8398,253	10434,553
158,260	7650,766	6872,465	8355,883	10318,524
158,670	6676,059	5993,455	8313,507	10261,579
159,080	5567,744	4997,353	8271,126	10208,304
159,490	4328,037	3884,950	8228,743	10158,074
159,900	2960,162	2647,749	8185,347	10070,515
160,356	1404,291	1256,155	8169,012	10063,432
160,811	-101,640	-90,966	8152,639	10049,979
161,267	-1557,964	-1395,111	8136,298	10036,682
161,722	-2964,885	-2656,391	8119,919	10023,257
162,178	-4322,733	-3875,016	8103,570	10009,791
162,633	-5631,715	-5075,844	8087,189	10045,223
163,089	-6892,159	-6222,130	8070,832	10042,853

x [m]	$M_{PE,Iso,0}$ [kN.m]	$M_{PE,Iso,\infty}$ [kN.m]	$M_{PE,HIP,0}$ [kN.m]	$M_{PE,HIP,\infty}$ [kN.m]
163,544	-8104,275	-7328,627	8054,448	10040,610
164,000	-9268,386	-8395,119	8038,083	10038,106
164,492	-10521,229	-9545,273	8058,120	10080,864
164,984	-11729,746	-10658,969	8078,157	10123,873
165,476	-12893,570	-11735,061	8098,195	10166,556
165,968	-14012,331	-12771,350	8118,230	10207,678
166,460	-15085,663	-13767,739	8138,268	10247,905
166,952	-16113,197	-14724,794	8158,305	10288,166
167,444	-17094,566	-15639,946	8178,341	10327,105
167,936	-18029,402	-16511,387	8198,375	10364,111
168,428	-18917,338	-17342,357	8218,411	10401,685
168,920	-19758,005	-18130,151	8238,446	10438,477
169,412	-20551,036	-18870,878	8258,481	10472,680
169,904	-21296,063	-19568,636	8278,515	10507,000
170,396	-21992,718	-20222,580	8298,549	10541,215
170,888	-22640,633	-20828,447	8318,580	10573,391
171,380	-23239,442	-21387,481	8338,617	10604,506
171,872	-23788,775	-21902,802	8358,650	10636,336
172,364	-24288,265	-22369,737	8378,682	10666,802
172,856	-24737,545	-22786,311	8398,711	10695,233
173,348	-25136,246	-23158,281	8418,745	10724,552
173,840	-25484,002	-23482,869	8438,775	10753,623
174,332	-25780,443	-23754,361	8458,806	10780,025
174,824	-26025,203	-23978,670	8478,834	10806,644
175,316	-26217,913	-24156,406	8498,864	10833,899
175,808	-26358,206	-24281,535	8518,893	10859,231
176,300	-26445,714	-24355,310	8538,921	10883,360
176,797	-26466,646	-24372,350	8554,789	10904,256
177,294	-26433,050	-24336,467	8570,655	10923,937
177,791	-26344,630	-24246,080	8586,520	10941,785
178,288	-26201,090	-24104,105	8602,382	10959,197
178,785	-26002,135	-23910,383	8618,247	10976,186
179,282	-25747,468	-23668,083	8634,108	10994,306

x [m]	$M_{PE,Iso,0}$ [kN.m]	$M_{PE,Iso,\infty}$ [kN.m]	$M_{PE,HIP,0}$ [kN.m]	$M_{PE,HIP,\infty}$ [kN.m]
179,779	-25436,794	-23374,254	8649,968	11012,311
180,276	-25069,817	-23027,985	8665,828	11029,864
180,773	-24646,240	-22626,029	8681,687	11045,461
181,270	-24165,769	-22170,517	8697,544	11060,143
181,767	-23628,106	-21665,592	8713,400	11076,053
182,264	-23032,956	-21106,350	8729,255	11090,808
182,761	-22380,024	-20492,170	8745,112	11104,068
183,258	-21669,013	-19826,669	8760,962	11117,796
183,755	-20899,628	-19108,729	8776,815	11131,490
184,252	-20071,590	-18334,955	8792,682	11143,184
184,748	-19184,569	-17508,441	8808,535	11154,645
185,245	-18238,285	-16630,319	8824,382	11166,691
185,742	-17232,444	-15696,711	8840,232	11176,761
186,239	-16166,748	-14709,482	8856,078	11185,970
186,736	-15040,902	-13670,312	8871,926	11195,585
187,233	-13854,611	-12576,967	8887,768	11203,811
187,730	-12607,578	-11429,825	8903,613	11210,695
188,227	-11299,507	-10230,283	8919,452	11217,391
188,724	-9930,103	-8978,003	8935,297	11223,475
189,221	-8499,069	-7672,365	8951,134	11227,822
189,718	-7006,110	-6314,422	8966,972	11231,275
190,215	-5450,930	-4885,521	8982,809	11190,412
190,712	-3833,233	-3433,381	8998,646	11204,556
191,209	-2152,722	-1926,731	9014,479	11217,645
191,706	-409,103	-365,845	9030,312	11229,552
192,203	1397,921	1248,930	9046,144	11240,385
192,700	3268,646	2917,300	9061,975	11250,334
193,110	4731,862	4239,731	9020,614	11231,082
193,520	6027,136	5399,149	8978,139	11177,231
193,930	7155,570	6410,908	8935,656	11127,301
194,340	8119,378	7278,498	8893,174	11082,001
194,750	8920,777	8005,102	8850,685	11041,751
195,160	9561,982	8643,448	8808,197	11049,318

x [m]	$M_{PE,Iso,0}$ [kN.m]	$M_{PE,Iso,\infty}$ [kN.m]	$M_{PE,HIP,0}$ [kN.m]	$M_{PE,HIP,\infty}$ [kN.m]
195,570	10045,208	9094,599	8765,703	11014,756
195,980	10372,671	9409,229	8723,203	10983,914
196,390	10546,587	9588,438	8680,705	10956,268
196,800	10569,170	9632,843	8638,201	10931,071
197,210	10442,637	9497,809	8594,379	10849,280
197,620	10169,203	9231,692	8550,570	10769,853
198,030	9751,083	8837,633	8506,768	10693,382
198,440	9190,493	8318,330	8462,975	10620,254
198,850	8489,649	7672,009	8419,192	10565,508
199,260	7650,766	6870,736	8375,423	10441,232
199,670	6676,059	5992,212	8331,660	10377,464
200,080	5567,744	4996,541	8287,907	10317,482
200,490	4328,037	3884,492	8244,164	10260,640
200,900	2960,162	2647,520	8199,422	10166,048
201,356	1404,291	1256,108	8181,655	10152,423
201,811	-101,640	-90,966	8163,857	10132,062
202,267	-1557,964	-1395,156	8146,094	10111,777
202,722	-2964,885	-2656,530	8128,301	10091,287
203,178	-4322,733	-3875,261	8110,542	10070,681
203,633	-5631,715	-5076,312	8092,756	10099,441
204,089	-6892,159	-6222,685	8075,000	10089,854
204,544	-8104,275	-7329,194	8057,222	10080,308
205,000	-9268,386	-8395,597	8039,471	10070,423
205,492	-10521,229	-9545,520	8058,018	10105,236
205,984	-11729,746	-10658,785	8076,556	10140,111
206,476	-12893,570	-11734,257	8095,086	10174,511
206,968	-14012,331	-12769,729	8113,609	10207,212
207,460	-15085,663	-13765,100	8132,125	10238,889
207,952	-16113,197	-14720,936	8150,632	10270,479
208,444	-17094,566	-15634,673	8169,133	10300,638
208,936	-18029,402	-16504,508	8187,628	10328,766
209,428	-18917,338	-17333,694	8206,112	10357,364
209,920	-19758,005	-18119,538	8224,591	10385,094

x [m]	$M_{PE,Iso,0}$ [kN.m]	$M_{PE,Iso,\infty}$ [kN.m]	$M_{PE,HIP,0}$ [kN.m]	$M_{PE,HIP,\infty}$ [kN.m]
210,412	-20551,036	-18858,162	8243,060	10410,166
210,904	-21296,063	-19553,684	8261,522	10435,281
211,396	-21992,718	-20205,274	8279,976	10460,222
211,888	-22640,633	-20808,690	8298,421	10483,076
212,380	-23239,442	-21365,195	8316,861	10504,819
212,872	-23788,775	-21877,931	8335,294	10527,225
213,364	-24288,265	-22342,247	8353,716	10548,231
213,856	-24737,545	-22756,189	8372,133	10567,182
214,348	-25136,246	-23125,534	8390,542	10586,978
214,840	-25484,002	-23447,530	8408,942	10606,495
215,332	-25780,443	-23716,484	8427,334	10623,350
215,824	-26025,203	-23938,331	8445,720	10640,398
216,316	-26217,913	-24113,703	8464,095	10658,055
216,808	-26358,206	-24236,590	8482,467	10673,807
217,300	-26445,714	-24308,265	8500,829	10688,364
217,797	-26466,646	-24323,350	8515,022	10699,649
218,294	-26433,050	-24285,704	8529,213	10709,748
218,791	-26344,630	-24193,763	8543,395	10718,063
219,288	-26201,090	-24053,227	8557,569	10727,202
219,785	-26002,135	-23862,489	8571,741	10736,557
220,282	-25747,468	-23615,708	8585,902	10743,577
220,779	-25436,794	-23318,213	8600,057	10750,729
221,276	-25069,817	-22971,723	8614,204	10758,912
221,773	-24646,240	-22569,861	8628,344	10765,233
222,270	-24165,769	-22114,769	8642,478	10770,719
222,767	-23628,106	-21610,599	8656,607	10777,470
223,264	-23032,956	-21052,453	8670,728	10783,167
223,761	-22380,024	-20439,715	8684,841	10787,490
224,258	-21669,013	-19775,999	8698,947	10792,364
224,755	-20899,628	-19060,182	8713,045	10797,304
225,252	-20071,590	-18288,860	8727,156	10800,412
225,748	-19184,569	-17465,112	8741,244	10803,420
226,245	-18238,285	-16590,046	8755,323	10807,129

x [m]	$M_{PE,Iso,0}$ [kN.m]	$M_{PE,Iso,\infty}$ [kN.m]	$M_{PE,HIP,0}$ [kN.m]	$M_{PE,HIP,\infty}$ [kN.m]
226,742	-17232,444	-15659,756	8769,396	10809,065
227,239	-16166,748	-14676,068	8783,462	10810,324
227,736	-15040,902	-13640,620	8797,520	10812,148
228,233	-13854,611	-12551,120	8811,570	10812,806
228,730	-12607,578	-11407,882	8825,616	10812,360
229,227	-11299,507	-10212,241	8839,654	10811,952
229,724	-9930,103	-8963,743	8853,684	10811,153
230,221	-8499,069	-7661,685	8867,707	10808,901
230,718	-7006,110	-6307,010	8881,724	10806,022
231,215	-5450,930	-4882,100	8895,732	10763,278
231,712	-3833,233	-3431,657	8909,735	10770,474
232,209	-2152,722	-1926,178	8923,729	10776,819
232,706	-409,103	-365,825	8937,717	10782,196
233,203	1397,921	1249,171	8951,697	10786,712
233,700	3268,646	2918,636	8965,669	10790,541
234,110	4731,862	4242,175	8923,374	10767,347
234,520	6027,136	5403,198	8879,972	10710,569
234,930	7155,570	6416,733	8836,580	10657,438
235,340	8119,378	7286,153	8793,201	10608,622
235,750	8920,777	8014,532	8749,829	10564,505
236,160	9561,982	8652,243	8706,467	10564,965
236,570	10045,208	9104,512	8663,115	10525,808
236,980	10372,671	9420,026	8619,774	10490,087
237,390	10546,587	9599,843	8576,442	10457,291
237,800	10569,170	9644,596	8533,121	10426,746
238,210	10442,637	9508,846	8494,754	10371,822
238,620	10169,203	9241,742	8456,350	10318,675
239,030	9751,083	8846,484	8417,906	10267,912
239,440	9190,493	8325,842	8379,421	10219,944
239,850	8489,649	7678,240	8340,898	10188,061
240,260	7650,766	6876,660	8302,338	10091,714
240,670	6676,059	5996,478	8263,735	10051,440
241,080	5567,744	4999,333	8225,094	10014,565

x [m]	$M_{PE,Iso,0}$ [kN.m]	$M_{PE,Iso,\infty}$ [kN.m]	$M_{PE,HIP,0}$ [kN.m]	$M_{PE,HIP,\infty}$ [kN.m]
241,490	4328,037	3886,070	8186,415	9980,518
241,900	2960,162	2648,312	8146,687	9909,885
242,356	1404,291	1256,271	8134,252	9919,362
242,811	-101,640	-90,966	8121,767	9923,063
243,267	-1557,964	-1394,996	8109,296	9927,088
243,722	-2964,885	-2656,033	8096,774	9931,164
244,178	-4322,733	-3874,376	8084,264	9935,367
244,633	-5631,715	-5074,727	8071,707	9987,888
245,089	-6892,159	-6220,892	8059,158	10003,633
245,544	-8104,275	-7327,517	8046,565	10019,754
246,000	-9268,386	-8394,453	8033,978	10035,850
246,492	-10521,229	-9545,502	8058,076	10099,018
246,984	-11729,746	-10660,387	8082,194	10162,666
247,476	-12893,570	-11738,112	8106,331	10226,340
247,968	-14012,331	-12776,499	8130,488	10288,780
248,460	-15085,663	-13775,455	8154,668	10350,627
248,952	-16113,197	-14735,545	8178,864	10412,807
249,444	-17094,566	-15654,190	8203,080	10473,926
249,936	-18029,402	-16529,560	8227,316	10533,341
250,428	-18917,338	-17364,863	8251,572	10593,569
250,920	-19758,005	-18157,378	8275,845	10653,229
251,412	-20551,036	-18903,170	8300,142	10710,458
251,904	-21296,063	-19606,285	8324,457	10767,989
252,396	-21992,718	-20265,858	8348,789	10825,596
252,888	-22640,633	-20877,572	8373,142	10881,277
253,380	-23239,442	-21442,602	8397,515	10936,003
253,872	-23788,775	-21964,056	8421,909	10991,612
254,364	-24288,265	-22437,193	8446,320	11045,940
254,856	-24737,545	-22859,987	8470,751	11098,276
255,348	-25136,246	-23238,119	8495,201	11151,618
255,840	-25484,002	-23568,805	8519,669	11204,804
256,332	-25780,443	-23846,257	8544,160	11255,296
256,824	-26025,203	-24076,311	8568,669	11306,063

x [m]	$M_{PE,Iso,0}$ [kN.m]	$M_{PE,Iso,\infty}$ [kN.m]	$M_{PE,HIP,0}$ [kN.m]	$M_{PE,HIP,\infty}$ [kN.m]
257,316	-26217,913	-24259,572	8593,196	11357,557
257,808	-26358,206	-24389,932	8617,742	11407,088
258,300	-26445,714	-24468,593	8642,310	11455,387
258,797	-26466,646	-24490,139	8662,726	11500,527
259,294	-26433,050	-24458,332	8683,159	11544,390
259,791	-26344,630	-24371,517	8703,604	11586,297
260,288	-26201,090	-24235,314	8724,065	11629,015
260,785	-26002,135	-24048,079	8744,539	11671,893
261,282	-25747,468	-23803,899	8765,029	11712,146
261,779	-25436,794	-23508,036	8785,535	11752,402
262,276	-25069,817	-23162,176	8806,054	11793,629
262,773	-24646,240	-22759,887	8826,590	11832,651
263,270	-24165,769	-22303,274	8847,140	11870,549
263,767	-23628,106	-21796,458	8867,703	11909,590
264,264	-23032,956	-21234,520	8888,282	11947,207
264,761	-22380,024	-20616,834	8908,874	11983,005
265,258	-21669,013	-19947,029	8929,482	12019,072
265,755	-20899,628	-19223,980	8950,106	12054,827
266,252	-20071,590	-18444,326	8970,761	12088,131
266,748	-19184,569	-17611,218	8991,416	12120,868
267,245	-18238,285	-16725,801	9012,082	12153,866
267,742	-17232,444	-15784,288	9032,766	12184,332
268,239	-16166,748	-14788,631	9053,462	12213,436
268,736	-15040,902	-13740,637	9074,174	12242,538
269,233	-13854,611	-12638,162	9094,901	12269,615
269,730	-12607,578	-11481,757	9115,643	12294,700
270,227	-11299,507	-10273,203	9136,398	12319,254
270,724	-9930,103	-9011,920	9157,168	12342,283
271,221	-8499,069	-7697,765	9177,951	12362,774
271,718	-7006,110	-6332,057	9198,752	12381,645
272,215	-5450,930	-4915,382	9219,567	12398,867
272,712	-3833,233	-3448,105	9240,393	12413,452
273,209	-2152,722	-1928,510	9261,237	12407,664

x [m]	$M_{PE,Iso,0}$ [kN.m]	$M_{PE,Iso,\infty}$ [kN.m]	$M_{PE,HIP,0}$ [kN.m]	$M_{PE,HIP,\infty}$ [kN.m]
273,706	-409,103	-365,910	9282,095	12432,928
274,203	1397,921	1248,166	9302,964	12456,466
274,700	3268,646	2913,068	9323,852	12478,374
275,110	4731,862	4231,984	9285,047	12467,097
275,520	6027,136	5386,315	9245,087	12417,910
275,930	7155,570	6392,443	9205,088	12373,536
276,340	8119,378	7254,233	9165,050	12334,808
276,750	8920,777	7975,208	9124,971	12302,242
277,160	9561,982	8615,570	9084,855	12329,308
277,570	10045,208	9063,175	9044,699	12304,974
277,980	10372,671	9375,213	9004,505	12285,561
278,390	10546,587	9552,744	8964,269	12270,278
278,800	10569,170	9596,439	8923,996	12258,279
279,210	10442,637	9464,059	8768,795	12022,874
279,620	10169,203	9201,394	8614,699	11792,559
280,030	9751,083	8811,356	8461,708	11567,760
280,440	9190,493	8296,408	8309,821	11348,655
280,850	8489,649	7654,170	8159,038	11155,015
281,260	7650,766	6854,140	8009,362	10881,003
281,670	6676,059	5980,555	7860,787	10678,507
282,080	5567,744	4989,127	7713,318	10481,174
282,490	4328,037	3880,440	7566,954	10288,089
282,900	2960,162	2645,571	7420,685	10057,542
283,356	1404,291	1255,751	7288,034	9896,798
283,811	-101,640	-90,968	7155,832	9725,701
284,267	-1557,964	-1395,401	7024,141	9553,697
284,722	-2964,885	-2657,130	6892,897	9380,870
285,178	-4322,733	-3890,811	6762,163	9242,788
285,633	-5631,715	-5076,793	6631,878	9078,636
286,089	-6892,159	-6221,574	6502,102	8913,191
286,544	-8104,275	-7325,083	6372,776	8747,046
287,000	-9268,386	-8386,868	6243,957	8580,036
287,492	-11852,688	-10701,628	6910,341	9474,701

x [m]	$M_{PE,Iso,0}$ [kN.m]	$M_{PE,Iso,\infty}$ [kN.m]	$M_{PE,HIP,0}$ [kN.m]	$M_{PE,HIP,\infty}$ [kN.m]
287,984	-13224,144	-11942,564	6790,998	9313,142
288,476	-14547,181	-13137,956	6670,753	9148,626
288,968	-15821,257	-14285,478	6549,601	8980,496
289,460	-17045,827	-15385,039	6427,546	8809,615
289,952	-18220,350	-16436,992	6304,584	8636,804
290,444	-19344,281	-17438,940	6180,718	8461,300
290,936	-20417,078	-18389,221	6055,948	8282,896
291,428	-21438,198	-19291,319	5930,272	8103,607
291,920	-22407,097	-20142,624	5803,692	7922,545
292,412	-23323,234	-20939,594	5676,207	7738,691
292,904	-24186,064	-21686,633	5547,818	7554,031
293,396	-24995,044	-22383,195	5418,522	7368,492
293,888	-25749,632	-23025,373	5288,323	7180,972
294,380	-26449,284	-23614,601	5157,217	6992,167
294,872	-27093,458	-24154,635	5025,206	6803,305
295,364	-27681,610	-24641,027	4892,292	6613,175
295,856	-28213,198	-25072,154	4758,472	6421,513
296,348	-28687,677	-25453,683	4623,747	6229,888
296,840	-29104,506	-25784,000	4488,115	6037,896
297,332	-29463,141	-26057,324	4351,579	5844,266
297,824	-29763,039	-26279,138	4214,139	5650,356
298,316	-30003,657	-26451,797	4075,794	5456,663
298,808	-30184,451	-26568,852	3936,542	5261,864
299,300	-30304,880	-26631,820	3796,385	5066,350
299,782	-30198,144	-26518,976	3640,226	4854,480
300,265	-29998,750	-26329,370	3484,657	4644,476
300,747	-29707,262	-26060,730	3329,688	4435,761
301,229	-29324,231	-25717,503	3175,312	4228,931
301,712	-28850,215	-25302,727	3021,533	4024,287
302,194	-28285,757	-24809,302	2868,338	3820,517
302,676	-27631,434	-24240,963	2715,749	3618,114
303,159	-26887,791	-23600,248	2563,755	3417,318
303,641	-26055,369	-22884,368	2412,341	3217,582

x [m]	$M_{PE,Iso,0}$ [kN.m]	$M_{PE,Iso,\infty}$ [kN.m]	$M_{PE,HIP,0}$ [kN.m]	$M_{PE,HIP,\infty}$ [kN.m]
304,124	-25134,754	-22091,833	2261,536	3018,638
304,606	-24126,488	-21224,264	2111,327	2820,624
305,088	-23031,103	-20283,679	1961,691	2623,715
305,571	-21849,198	-19264,478	1812,671	2427,144
306,053	-20581,309	-18168,968	1664,246	2231,160
306,535	-19227,990	-16997,378	1516,417	2035,744
307,018	-17789,768	-15748,058	1369,156	1840,641
307,500	-16267,257	-14492,443	1222,515	1647,880
307,910	-14902,628	-13290,909	1097,992	1481,617
308,320	-13478,684	-12033,852	973,974	1315,681
308,730	-11995,827	-10720,401	850,460	1149,959
309,140	-10454,459	-9351,303	727,451	984,517
309,550	-8854,982	-7972,373	604,948	824,076
309,960	-7197,796	-6487,748	482,948	660,187
310,370	-5483,303	-4944,691	361,454	494,338
310,780	-3711,906	-3348,481	240,465	328,986
311,190	-1884,004	-1699,955	119,980	164,187
311,600	0,000	0,000	0,000	0,000

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x [m]	V_{PP} [kN]	V_{RCP} [kN]	V_{SC}^{max+} [kN]	V_{SC}^{max-} [kN]	V_{VDT}^{max+} [kN]	V_{VDT}^{max-} [kN]
0,000	-2255,466	221,398	-438,826	192,781	-1103,360	99,150
0,410	-2099,046	213,165	-423,906	192,781	-1084,992	99,150
0,820	-1952,739	204,932	-408,986	192,781	-1066,624	99,150
1,230	-1816,544	196,699	-394,066	192,781	-1048,256	99,150
1,640	-1690,461	188,466	-379,146	192,781	-1029,888	99,150
2,050	-1574,490	180,233	-364,226	192,781	-983,507	99,150
2,460	-1468,632	172,000	-349,306	192,781	-965,139	99,150
2,870	-1372,885	163,767	-334,387	192,781	-946,771	99,150
3,280	-1287,251	155,534	-319,467	192,781	-928,403	99,150
3,690	-1211,728	147,301	-304,547	197,286	-882,173	99,150
4,100	-1146,318	139,068	-289,627	197,286	-863,805	99,150

x [m]	V_{PP} [kN]	V_{RCP} [kN]	V_{SC}^{max+} [kN]	V_{SC}^{max-} [kN]	V_{VDT}^{max+} [kN]	V_{VDT}^{max-} [kN]
4,582	-1075,314	129,382	-272,074	197,286	-842,195	99,150
5,065	-1004,309	119,696	-254,521	225,148	-792,975	99,150
5,547	-933,304	110,010	-236,968	225,148	-771,366	99,150
6,029	-862,299	100,324	-219,416	225,148	-749,757	99,150
6,512	-791,294	90,638	-201,863	225,148	-728,147	99,150
6,994	-720,290	80,952	-184,310	252,759	-679,268	99,150
7,476	-649,285	71,266	-166,757	252,759	-657,658	99,150
7,959	-578,280	61,580	-149,204	252,759	-636,049	99,150
8,441	-507,275	51,894	-131,651	280,029	-587,595	99,150
8,924	-436,271	42,208	-114,099	280,029	-565,986	99,150
9,406	-365,266	32,522	-96,546	280,029	-544,377	99,150
9,888	-294,261	22,836	-78,993	306,873	-496,434	99,150
10,371	-223,256	13,150	-61,440	306,873	-474,824	99,150
10,853	-152,252	3,464	-43,887	306,873	-453,215	99,150
11,335	-81,247	-6,222	-26,335	306,873	-431,606	99,150
11,818	-10,242	-15,907	-8,782	333,206	-384,259	99,150
12,300	60,763	-25,593	8,771	333,206	-362,650	99,150
12,756	127,823	-31,339	25,349	333,206	-342,241	99,150
13,211	194,883	-37,084	41,926	358,944	-296,776	99,150
13,667	261,943	-42,829	58,504	358,944	-276,367	99,150
14,122	329,003	-48,574	75,082	358,944	-255,958	99,150
14,578	396,063	-54,320	91,659	368,534	-245,140	99,150
15,033	463,123	-60,065	108,237	413,999	-220,850	99,150
15,489	530,183	-65,810	124,815	434,408	-220,850	99,150
15,944	597,243	-71,555	141,392	454,817	-220,850	99,150
16,400	664,303	-77,301	157,970	475,226	-220,850	99,150
16,892	736,728	-83,505	175,874	521,557	-197,412	99,150
17,384	809,153	-89,710	193,778	543,598	-197,412	99,150
17,876	881,578	-95,915	211,682	565,640	-197,412	99,150
18,368	954,003	-102,120	229,586	611,120	-174,910	99,150
18,860	1026,428	-108,325	247,490	633,161	-174,910	99,150
19,352	1098,852	-114,530	265,393	655,203	-174,910	99,150
19,844	1171,277	-120,735	283,297	699,746	-153,431	99,150

x [m]	V_{PP} [kN]	V_{RCP} [kN]	V_{SC}^{max+} [kN]	V_{SC}^{max-} [kN]	V_{VDT}^{max+} [kN]	V_{VDT}^{max-} [kN]
20,336	1243,702	-126,939	301,201	721,788	-153,431	99,150
20,828	1316,127	-133,144	319,105	743,830	-153,431	99,150
21,320	1388,552	-139,349	337,009	765,871	-153,431	99,150
21,812	1460,977	-145,554	354,913	809,392	-133,059	99,150
22,304	1533,402	-151,759	372,817	831,434	-133,059	99,150
22,796	1605,826	-157,964	390,721	853,475	-133,059	99,150
23,288	1678,251	-164,169	408,624	895,889	-113,878	99,150
23,780	1750,676	-170,373	426,528	917,930	-113,878	99,150
24,272	1823,101	-176,578	444,432	939,972	-113,878	99,150
24,764	1895,526	-182,783	462,336	981,195	-95,975	99,150
25,256	1967,951	-188,988	480,240	1003,236	-95,975	99,150
25,748	2040,376	-195,193	498,144	1025,278	-95,975	99,150
26,240	2112,800	-201,398	516,048	1047,319	-95,975	99,150
26,732	2185,225	-207,603	533,952	1087,264	-79,434	99,150
27,224	2257,650	-213,807	551,855	1109,306	-79,434	99,150
27,716	2330,075	-220,012	569,759	1131,347	-79,434	99,150
28,208	2402,500	-226,217	587,663	1169,930	-64,315	99,150
28,700	2474,925	-232,422	605,567	1191,971	-64,315	99,150
29,110	2539,006	-211,739	620,487	1210,339	-64,315	99,150
29,520	2610,543	-191,056	635,407	1228,707	-64,315	99,150
29,930	2689,535	-170,373	650,327	1262,194	-51,824	99,150
30,340	2775,981	-149,690	665,247	1280,562	-51,824	99,150
30,750	2869,883	-129,007	680,167	1298,930	-51,824	99,150
31,160	2971,240	-108,324	695,087	1317,298	-51,824	99,150
31,570	3080,051	-87,641	710,006	1349,449	-51,824	99,150
31,980	3196,318	-66,958	724,926	1367,817	-51,824	99,150
32,390	3320,040	-46,276	739,846	1386,185	-51,824	99,150
32,800	3451,217	-25,593	754,766	1404,553	-51,824	99,150
33,210	-3251,573	24,202	-727,969	189,965	-1473,301	39,520
33,620	-3127,851	44,885	-713,049	189,965	-1454,933	39,520
34,030	-3011,585	65,568	-698,129	189,965	-1436,565	39,520
34,440	-2902,773	86,251	-683,209	189,965	-1418,197	39,520
34,850	-2801,416	106,934	-668,289	189,965	-1386,665	39,520

x [m]	V_{PP} [kN]	V_{RCP} [kN]	V_{SC}^{max+} [kN]	V_{SC}^{max-} [kN]	V_{VDT}^{max+} [kN]	V_{VDT}^{max-} [kN]
35,260	-2707,515	127,617	-653,369	189,965	-1368,297	39,520
35,670	-2621,068	148,300	-638,449	189,965	-1349,929	39,520
36,080	-2542,076	168,983	-623,529	189,965	-1331,561	39,520
36,490	-2470,540	189,666	-608,609	189,965	-1298,760	39,520
36,900	-2406,458	210,349	-593,689	189,965	-1280,392	39,520
37,356	-2339,398	204,604	-577,112	189,965	-1259,983	39,520
37,811	-2272,338	198,858	-560,534	189,965	-1223,846	39,520
38,267	-2205,278	193,113	-543,956	189,965	-1203,437	39,520
38,722	-2138,218	187,368	-527,379	189,965	-1183,028	39,520
39,178	-2071,158	181,623	-510,801	189,965	-1162,620	39,520
39,633	-2004,098	175,877	-494,223	194,399	-1125,299	39,520
40,089	-1937,038	170,132	-477,646	194,399	-1104,890	39,520
40,544	-1869,978	164,387	-461,068	194,399	-1084,481	39,520
41,000	-1802,918	158,642	-444,490	194,399	-1064,072	39,520
41,492	-1730,493	152,437	-426,587	211,311	-1024,071	39,520
41,984	-1658,068	146,232	-408,683	211,311	-1002,030	39,520
42,476	-1585,643	140,027	-390,779	211,311	-979,988	39,520
42,968	-1513,218	133,822	-372,875	229,270	-939,076	39,520
43,460	-1440,793	127,617	-354,971	229,270	-917,035	39,520
43,952	-1368,368	121,413	-337,067	229,270	-894,993	39,520
44,444	-1295,944	115,208	-319,163	248,140	-853,307	39,520
44,936	-1223,519	109,003	-301,259	248,140	-831,265	39,520
45,428	-1151,094	102,798	-283,355	248,140	-809,223	39,520
45,920	-1078,669	96,593	-265,452	248,140	-787,182	39,520
46,412	-1006,244	90,388	-247,548	267,785	-744,857	39,520
46,904	-933,819	84,183	-229,644	267,785	-722,815	39,520
47,396	-861,394	77,979	-211,740	267,785	-700,773	39,520
47,888	-788,970	71,774	-193,836	288,069	-636,794	39,520
48,380	-716,545	65,569	-175,932	288,069	-614,753	39,520
48,872	-644,120	59,364	-158,028	288,069	-592,711	39,520
49,364	-571,695	53,159	-140,124	288,069	-570,669	39,520
49,856	-499,270	46,954	-122,221	288,069	-548,628	39,520
50,348	-426,845	40,749	-104,317	288,069	-526,586	39,520

x [m]	V_{PP} [kN]	V_{RCP} [kN]	V_{SC}^{max+} [kN]	V_{SC}^{max-} [kN]	V_{VDT}^{max+} [kN]	V_{VDT}^{max-} [kN]
50,840	-354,420	34,545	-86,413	288,069	-504,545	39,520
51,332	-281,996	28,340	-68,509	330,006	-461,127	39,520
51,824	-209,571	22,135	-50,605	330,006	-439,085	39,520
52,316	-137,146	15,930	-32,701	330,006	-417,044	39,520
52,808	-64,721	9,725	-14,797	351,382	-373,522	39,520
53,300	7,704	3,520	3,107	351,382	-351,480	39,520
53,797	80,860	-2,747	21,191	368,324	-346,158	39,520
54,294	154,017	-9,015	39,276	412,069	-324,726	39,520
54,791	227,173	-15,282	57,361	434,333	-324,726	39,520
55,288	300,330	-21,550	75,446	456,597	-324,726	39,520
55,785	373,486	-27,817	93,530	500,293	-303,473	39,520
56,282	446,642	-34,085	111,615	522,558	-303,473	39,520
56,779	519,799	-40,353	129,700	544,822	-303,473	39,520
57,276	592,955	-46,620	147,784	567,086	-303,473	39,520
57,773	666,112	-52,888	165,869	610,603	-282,535	39,520
58,270	739,268	-59,155	183,954	632,868	-282,535	39,520
58,767	812,425	-65,423	202,039	655,132	-282,535	39,520
59,264	885,581	-71,690	220,123	698,334	-262,049	39,520
59,761	958,737	-77,958	238,208	720,598	-262,049	39,520
60,258	1031,894	-84,225	256,293	742,862	-262,049	39,520
60,755	1105,050	-90,493	274,378	785,612	-242,152	39,520
61,252	1178,207	-96,760	292,462	807,876	-242,152	39,520
61,748	1251,363	-103,028	310,547	830,141	-242,152	39,520
62,245	1324,520	-109,295	328,632	852,405	-242,152	39,520
62,742	1397,676	-115,563	346,716	894,567	-222,978	39,520
63,239	1470,832	-121,830	364,801	916,831	-222,978	39,520
63,736	1543,989	-128,098	382,886	939,096	-222,978	39,520
64,233	1617,145	-134,366	400,971	980,534	-204,664	39,520
64,730	1690,302	-140,633	419,055	1002,798	-204,664	39,520
65,227	1763,458	-146,901	437,140	1025,062	-204,664	39,520
65,724	1836,615	-153,168	455,225	1065,640	-187,348	39,520
66,221	1909,771	-159,436	473,310	1087,904	-187,348	39,520
66,718	1982,927	-165,703	491,394	1110,168	-187,348	39,520

x [m]	V_{PP} [kN]	V_{RCP} [kN]	V_{SC}^{max+} [kN]	V_{SC}^{max-} [kN]	V_{VDT}^{max+} [kN]	V_{VDT}^{max-} [kN]
67,215	2056,084	-171,971	509,479	1132,432	-187,348	39,520
67,712	2129,240	-178,238	527,564	1172,013	-173,617	39,520
68,209	2202,397	-184,506	545,648	1194,277	-173,617	39,520
68,706	2275,553	-190,773	563,733	1216,542	-173,617	39,520
69,203	2348,710	-197,041	581,818	1254,989	-173,617	39,520
69,700	2421,866	-203,308	599,903	1277,254	-173,617	39,520
70,110	2485,947	-182,625	614,822	1295,622	-173,617	39,520
70,520	2557,484	-161,942	629,742	1313,990	-173,617	39,520
70,930	2636,476	-141,260	644,662	1347,296	-173,617	39,520
71,340	2722,922	-120,577	659,582	1365,664	-173,617	39,520
71,750	2816,824	-99,894	674,502	1384,032	-173,617	39,520
72,160	2918,181	-79,211	689,422	1402,400	-173,617	39,520
72,570	3026,993	-58,528	704,342	1434,481	-173,617	39,520
72,980	3143,259	-37,845	719,262	1452,849	-173,617	39,520
73,390	3266,981	-17,162	734,182	1471,217	-173,617	39,520
73,800	3398,158	3,521	749,102	1489,585	-173,617	39,520
74,210	-3261,385	19,719	-731,925	212,720	-1501,042	5,407
74,620	-3137,664	40,402	-717,005	212,720	-1482,674	5,407
75,030	-3021,397	61,085	-702,085	212,720	-1464,306	5,407
75,440	-2912,585	81,768	-687,166	212,720	-1445,938	5,407
75,850	-2811,228	102,451	-672,246	212,720	-1414,042	5,407
76,260	-2717,327	123,134	-657,326	212,720	-1395,674	5,407
76,670	-2630,880	143,816	-642,406	212,720	-1377,306	5,407
77,080	-2551,888	164,499	-627,486	212,720	-1358,938	5,407
77,490	-2480,352	185,182	-612,566	212,720	-1325,824	5,407
77,900	-2416,270	205,865	-597,646	212,720	-1307,456	5,407
78,356	-2349,210	200,120	-581,068	212,720	-1287,047	5,407
78,811	-2282,150	194,375	-564,491	212,720	-1250,650	5,407
79,267	-2215,090	188,630	-547,913	212,720	-1230,241	5,407
79,722	-2148,030	182,884	-531,335	212,720	-1209,832	5,407
80,178	-2080,970	177,139	-514,758	212,720	-1189,423	5,407
80,633	-2013,910	171,394	-498,180	219,023	-1151,893	5,407
81,089	-1946,850	165,649	-481,602	219,023	-1131,485	5,407

x [m]	V_{PP} [kN]	V_{RCP} [kN]	V_{SC}^{max+} [kN]	V_{SC}^{max-} [kN]	V_{VDT}^{max+} [kN]	V_{VDT}^{max-} [kN]
81,544	-1879,790	159,903	-465,025	219,023	-1111,076	5,407
82,000	-1812,730	154,158	-448,447	219,023	-1090,667	5,407
82,492	-1740,305	147,953	-430,543	236,144	-1050,505	5,407
82,984	-1667,880	141,748	-412,639	236,144	-1028,463	5,407
83,476	-1595,455	135,544	-394,735	236,144	-1006,422	5,407
83,968	-1523,030	129,339	-376,832	254,264	-965,394	5,407
84,460	-1450,605	123,134	-358,928	254,264	-943,352	5,407
84,952	-1378,181	116,929	-341,024	254,264	-921,310	5,407
85,444	-1305,756	110,724	-323,120	273,251	-879,549	5,407
85,936	-1233,331	104,519	-305,216	273,251	-857,507	5,407
86,428	-1160,906	98,314	-287,312	273,251	-835,466	5,407
86,920	-1088,481	92,110	-269,408	273,251	-813,424	5,407
87,412	-1016,056	85,905	-251,504	292,971	-771,062	5,407
87,904	-943,631	79,700	-233,601	292,971	-749,020	5,407
88,396	-871,207	73,495	-215,697	292,971	-726,979	5,407
88,888	-798,782	67,290	-197,793	313,291	-684,149	5,407
89,380	-726,357	61,085	-179,889	313,291	-662,108	5,407
89,872	-653,932	54,880	-161,985	313,291	-640,066	5,407
90,364	-581,507	48,676	-144,081	334,079	-596,902	5,407
90,856	-509,082	42,471	-126,177	334,079	-574,861	5,407
91,348	-436,657	36,266	-108,273	334,079	-552,819	5,407
91,840	-364,232	30,061	-90,370	334,079	-530,778	5,407
92,332	-291,808	23,856	-72,466	355,201	-487,413	5,407
92,824	-219,383	17,651	-54,562	355,201	-465,371	5,407
93,316	-146,958	11,446	-36,658	355,201	-443,329	5,407
93,808	-74,533	5,242	-18,754	376,525	-399,896	5,407
94,300	-2,108	-0,963	-0,850	376,525	-377,854	5,407
94,797	71,048	-7,231	17,235	398,405	-377,470	5,407
95,294	144,205	-13,498	35,319	442,061	-356,143	5,407
95,791	217,361	-19,766	53,404	464,325	-356,143	5,407
96,288	290,518	-26,033	71,489	486,589	-356,143	5,407
96,785	363,674	-32,301	89,574	530,181	-335,013	5,407
97,282	436,830	-38,569	107,658	552,445	-335,013	5,407

x [m]	V_{PP} [kN]	V_{RCP} [kN]	V_{SC}^{max+} [kN]	V_{SC}^{max-} [kN]	V_{VDT}^{max+} [kN]	V_{VDT}^{max-} [kN]
97,779	509,987	-44,836	125,743	574,709	-335,013	5,407
98,276	583,143	-51,104	143,828	596,973	-335,013	5,407
98,773	656,300	-57,371	161,912	640,367	-314,215	5,407
99,270	729,456	-63,639	179,997	662,631	-314,215	5,407
99,767	802,612	-69,906	198,082	684,895	-314,215	5,407
100,264	875,769	-76,174	216,167	727,958	-293,880	5,407
100,761	948,925	-82,441	234,251	750,223	-293,880	5,407
101,258	1022,082	-88,709	252,336	772,487	-293,880	5,407
101,755	1095,238	-94,976	270,421	815,086	-274,141	5,407
102,252	1168,395	-101,244	288,506	837,350	-274,141	5,407
102,748	1241,551	-107,511	306,590	859,615	-274,141	5,407
103,245	1314,707	-113,779	324,675	881,879	-274,141	5,407
103,742	1387,864	-120,046	342,760	923,881	-255,133	5,407
104,239	1461,020	-126,314	360,844	946,146	-255,133	5,407
104,736	1534,177	-132,582	378,929	968,410	-255,133	5,407
105,233	1607,333	-138,849	397,014	1009,683	-236,987	5,407
105,730	1680,490	-145,117	415,099	1031,947	-236,987	5,407
106,227	1753,646	-151,384	433,183	1054,211	-236,987	5,407
106,724	1826,802	-157,652	451,268	1094,621	-219,837	5,407
107,221	1899,959	-163,919	469,353	1116,885	-219,837	5,407
107,718	1973,115	-170,187	487,438	1139,150	-219,837	5,407
108,215	2046,272	-176,454	505,522	1161,414	-219,837	5,407
108,712	2119,428	-182,722	523,607	1200,828	-212,893	5,407
109,209	2192,585	-188,989	541,692	1223,092	-212,893	5,407
109,706	2265,741	-195,257	559,776	1245,357	-212,893	5,407
110,203	2338,897	-201,524	577,861	1283,642	-212,893	5,407
110,700	2412,054	-207,792	595,946	1305,906	-212,893	5,407
111,110	2476,135	-187,109	610,866	1324,274	-212,893	5,407
111,520	2547,672	-166,426	625,786	1342,642	-212,893	5,407
111,930	2626,664	-145,743	640,706	1375,793	-212,893	5,407
112,340	2713,110	-125,060	655,625	1394,161	-212,893	5,407
112,750	2807,012	-104,377	670,545	1412,529	-212,893	5,407
113,160	2908,369	-83,694	685,465	1430,897	-212,893	5,407

x [m]	V_{PP} [kN]	V_{RCP} [kN]	V_{SC}^{max+} [kN]	V_{SC}^{max-} [kN]	V_{VDT}^{max+} [kN]	V_{VDT}^{max-} [kN]
113,570	3017,180	-63,011	700,385	1462,833	-212,893	5,407
113,980	3133,447	-42,328	715,305	1481,201	-212,893	5,407
114,390	3257,169	-21,645	730,225	1499,569	-212,893	5,407
114,800	3388,346	-0,962	745,145	1517,937	-212,893	5,407
115,210	-3258,572	21,004	-730,791	221,031	-1507,966	3,618
115,620	-3134,850	41,687	-715,871	221,031	-1489,598	3,618
116,030	-3018,583	62,370	-700,951	221,031	-1471,230	3,618
116,440	-2909,771	83,053	-686,031	221,031	-1452,862	3,618
116,850	-2808,415	103,736	-671,111	221,031	-1420,940	3,618
117,260	-2714,513	124,419	-656,191	221,031	-1402,572	3,618
117,670	-2628,066	145,102	-641,271	221,031	-1384,204	3,618
118,080	-2549,075	165,785	-626,351	221,031	-1365,836	3,618
118,490	-2477,538	186,468	-611,431	221,031	-1332,699	3,618
118,900	-2413,457	207,151	-596,512	221,031	-1314,331	3,618
119,356	-2346,397	201,406	-579,934	221,031	-1293,922	3,618
119,811	-2279,337	195,660	-563,356	221,031	-1257,506	3,618
120,267	-2212,276	189,915	-546,779	221,031	-1237,097	3,618
120,722	-2145,216	184,170	-530,201	221,031	-1216,688	3,618
121,178	-2078,156	178,425	-513,623	221,031	-1196,279	3,618
121,633	-2011,096	172,679	-497,046	227,471	-1158,735	3,618
122,089	-1944,036	166,934	-480,468	227,471	-1138,326	3,618
122,544	-1876,976	161,189	-463,890	227,471	-1117,917	3,618
123,000	-1809,916	155,444	-447,313	227,471	-1097,508	3,618
123,492	-1737,491	149,239	-429,409	244,607	-1057,334	3,618
123,984	-1665,066	143,034	-411,505	244,607	-1035,293	3,618
124,476	-1592,642	136,829	-393,601	244,607	-1013,251	3,618
124,968	-1520,217	130,624	-375,697	262,739	-972,214	3,618
125,460	-1447,792	124,419	-357,793	262,739	-950,173	3,618
125,952	-1375,367	118,215	-339,889	262,739	-928,131	3,618
126,444	-1302,942	112,010	-321,985	281,734	-886,364	3,618
126,936	-1230,517	105,805	-304,082	281,734	-864,323	3,618
127,428	-1158,092	99,600	-286,178	281,734	-842,281	3,618
127,920	-1085,668	93,395	-268,274	281,734	-820,239	3,618

x [m]	V_{PP} [kN]	V_{RCP} [kN]	V_{SC}^{max+} [kN]	V_{SC}^{max-} [kN]	V_{VDT}^{max+} [kN]	V_{VDT}^{max-} [kN]
128,412	-1013,243	87,190	-250,370	301,460	-777,875	3,618
128,904	-940,818	80,985	-232,466	301,460	-755,834	3,618
129,396	-868,393	74,781	-214,562	301,460	-733,792	3,618
129,888	-795,968	68,576	-196,658	321,782	-690,962	3,618
130,380	-723,543	62,371	-178,754	321,782	-668,920	3,618
130,872	-651,118	56,166	-160,850	321,782	-646,879	3,618
131,364	-578,694	49,961	-142,947	342,571	-603,717	3,618
131,856	-506,269	43,756	-125,043	342,571	-581,675	3,618
132,348	-433,844	37,551	-107,139	342,571	-559,634	3,618
132,840	-361,419	31,347	-89,235	342,571	-537,592	3,618
133,332	-288,994	25,142	-71,331	363,691	-494,231	3,618
133,824	-216,569	18,937	-53,427	363,691	-472,190	3,618
134,316	-144,144	12,732	-35,523	363,691	-450,148	3,618
134,808	-71,720	6,527	-17,619	385,010	-406,721	3,618
135,300	0,705	0,322	0,284	385,010	-384,679	3,618
135,797	73,862	-5,945	18,369	407,249	-384,653	3,618
136,294	147,018	-12,213	36,454	450,899	-363,334	3,618
136,791	220,175	-18,480	54,539	473,163	-363,334	3,618
137,288	293,331	-24,748	72,623	495,427	-363,334	3,618
137,785	366,487	-31,015	90,708	539,011	-342,213	3,618
138,282	439,644	-37,283	108,793	561,275	-342,213	3,618
138,779	512,800	-43,550	126,878	583,540	-342,213	3,618
139,276	585,957	-49,818	144,962	605,804	-342,213	3,618
139,773	659,113	-56,086	163,047	649,189	-321,424	3,618
140,270	732,270	-62,353	181,132	671,453	-321,424	3,618
140,767	805,426	-68,621	199,216	693,717	-321,424	3,618
141,264	878,582	-74,888	217,301	736,770	-301,100	3,618
141,761	951,739	-81,156	235,386	759,034	-301,100	3,618
142,258	1024,895	-87,423	253,471	781,299	-301,100	3,618
142,755	1098,052	-93,691	271,555	823,887	-281,374	3,618
143,252	1171,208	-99,958	289,640	846,151	-281,374	3,618
143,748	1244,365	-106,226	307,725	868,415	-281,374	3,618
144,245	1317,521	-112,493	325,810	890,680	-281,374	3,618

x [m]	V_{PP} [kN]	V_{RCP} [kN]	V_{SC}^{max+} [kN]	V_{SC}^{max-} [kN]	V_{VDT}^{max+} [kN]	V_{VDT}^{max-} [kN]
144,742	1390,677	-118,761	343,894	932,671	-262,377	3,618
145,239	1463,834	-125,028	361,979	954,935	-262,377	3,618
145,736	1536,990	-131,296	380,064	977,199	-262,377	3,618
146,233	1610,147	-137,563	398,148	1018,460	-244,244	3,618
146,730	1683,303	-143,831	416,233	1040,724	-244,244	3,618
147,227	1756,460	-150,099	434,318	1062,988	-244,244	3,618
147,724	1829,616	-156,366	452,403	1103,386	-227,106	3,618
148,221	1902,772	-162,634	470,487	1125,650	-227,106	3,618
148,718	1975,929	-168,901	488,572	1147,915	-227,106	3,618
149,215	2049,085	-175,169	506,657	1170,179	-227,106	3,618
149,712	2122,242	-181,436	524,742	1209,581	-220,622	3,618
150,209	2195,398	-187,704	542,826	1231,845	-220,622	3,618
150,706	2268,554	-193,971	560,911	1254,110	-220,622	3,618
151,203	2341,711	-200,239	578,996	1292,383	-220,622	3,618
151,700	2414,867	-206,506	597,080	1314,647	-220,622	3,618
152,110	2478,949	-185,823	612,000	1333,015	-220,622	3,618
152,520	2550,486	-165,140	626,920	1351,383	-220,622	3,618
152,930	2629,477	-144,457	641,840	1384,523	-220,622	3,618
153,340	2715,924	-123,775	656,760	1402,891	-220,622	3,618
153,750	2809,825	-103,092	671,680	1421,259	-220,622	3,618
154,160	2911,182	-82,409	686,600	1439,627	-220,622	3,618
154,570	3019,994	-61,726	701,520	1471,552	-220,622	3,618
154,980	3136,261	-41,043	716,440	1489,920	-220,622	3,618
155,390	3259,983	-20,360	731,360	1508,288	-220,622	3,618
155,800	3391,159	0,323	746,279	1526,656	-220,622	3,618
156,210	-3259,983	20,360	-731,360	220,622	-1508,288	1,809
156,620	-3136,261	41,043	-716,440	220,622	-1489,920	1,809
157,030	-3019,994	61,726	-701,520	220,622	-1471,552	1,809
157,440	-2911,182	82,409	-686,600	220,622	-1453,184	1,809
157,850	-2809,825	103,092	-671,680	220,622	-1421,259	1,809
158,260	-2715,924	123,775	-656,760	220,622	-1402,891	1,809
158,670	-2629,477	144,457	-641,840	220,622	-1384,523	1,809
159,080	-2550,486	165,140	-626,920	220,622	-1366,155	1,809

x [m]	V_{PP} [kN]	V_{RCP} [kN]	V_{SC}^{max+} [kN]	V_{SC}^{max-} [kN]	V_{VDT}^{max+} [kN]	V_{VDT}^{max-} [kN]
159,490	-2478,949	185,823	-612,000	220,622	-1333,015	1,809
159,900	-2414,867	206,506	-597,080	220,622	-1314,647	1,809
160,356	-2347,807	200,761	-580,503	220,622	-1294,239	1,809
160,811	-2280,747	195,016	-563,925	220,622	-1257,820	1,809
161,267	-2213,687	189,271	-547,347	220,622	-1237,411	1,809
161,722	-2146,627	183,525	-530,770	220,622	-1217,002	1,809
162,178	-2079,567	177,780	-514,192	220,622	-1196,594	1,809
162,633	-2012,507	172,035	-497,614	227,106	-1159,047	1,809
163,089	-1945,447	166,290	-481,037	227,106	-1138,638	1,809
163,544	-1878,387	160,544	-464,459	227,106	-1118,229	1,809
164,000	-1811,327	154,799	-447,881	227,106	-1097,820	1,809
164,492	-1738,902	148,594	-429,978	244,244	-1057,645	1,809
164,984	-1666,477	142,389	-412,074	244,244	-1035,603	1,809
165,476	-1594,052	136,185	-394,170	244,244	-1013,562	1,809
165,968	-1521,627	129,980	-376,266	262,377	-972,524	1,809
166,460	-1449,203	123,775	-358,362	262,377	-950,482	1,809
166,952	-1376,778	117,570	-340,458	262,377	-928,440	1,809
167,444	-1304,353	111,365	-322,554	281,374	-886,672	1,809
167,936	-1231,928	105,160	-304,650	281,374	-864,630	1,809
168,428	-1159,503	98,955	-286,747	281,374	-842,589	1,809
168,920	-1087,078	92,751	-268,843	281,374	-820,547	1,809
169,412	-1014,653	86,546	-250,939	301,100	-778,182	1,809
169,904	-942,229	80,341	-233,035	301,100	-756,140	1,809
170,396	-869,804	74,136	-215,131	301,100	-734,098	1,809
170,888	-797,379	67,931	-197,227	321,424	-691,268	1,809
171,380	-724,954	61,726	-179,323	321,424	-669,226	1,809
171,872	-652,529	55,521	-161,419	321,424	-647,185	1,809
172,364	-580,104	49,317	-143,515	342,213	-604,023	1,809
172,856	-507,679	43,112	-125,612	342,213	-581,981	1,809
173,348	-435,255	36,907	-107,708	342,213	-559,940	1,809
173,840	-362,830	30,702	-89,804	342,213	-537,898	1,809
174,332	-290,405	24,497	-71,900	363,334	-494,537	1,809
174,824	-217,980	18,292	-53,996	363,334	-472,495	1,809

x [m]	V_{PP} [kN]	V_{RCP} [kN]	V_{SC}^{max+} [kN]	V_{SC}^{max-} [kN]	V_{VDT}^{max+} [kN]	V_{VDT}^{max-} [kN]
175,316	-145,555	12,087	-36,092	363,334	-450,454	1,809
175,808	-73,130	5,883	-18,188	384,653	-407,026	1,809
176,300	-0,705	-0,322	-0,284	384,679	-385,010	1,809
176,797	72,451	-6,590	17,800	406,943	-385,010	1,809
177,294	145,608	-12,857	35,885	450,593	-342,571	1,809
177,791	218,764	-19,125	53,970	472,858	-342,571	1,809
178,288	291,920	-25,392	72,054	495,122	-342,571	1,809
178,785	365,077	-31,660	90,139	517,386	-342,571	1,809
179,282	438,233	-37,927	108,224	539,650	-342,571	1,809
179,779	511,390	-44,195	126,309	561,915	-342,571	1,809
180,276	584,546	-50,463	144,393	584,179	-342,571	1,809
180,773	657,702	-56,730	162,478	648,883	-321,783	1,809
181,270	730,859	-62,998	180,563	671,147	-321,783	1,809
181,767	804,015	-69,265	198,648	693,411	-321,783	1,809
182,264	877,172	-75,533	216,732	736,463	-301,460	1,809
182,761	950,328	-81,800	234,817	758,727	-301,460	1,809
183,258	1023,485	-88,068	252,902	780,992	-301,460	1,809
183,755	1096,641	-94,335	270,986	823,579	-281,734	1,809
184,252	1169,797	-100,603	289,071	845,843	-281,734	1,809
184,748	1242,954	-106,870	307,156	868,108	-281,734	1,809
185,245	1316,110	-113,138	325,241	890,372	-281,734	1,809
185,742	1389,267	-119,405	343,325	932,362	-262,739	1,809
186,239	1462,423	-125,673	361,410	954,626	-262,739	1,809
186,736	1535,580	-131,940	379,495	976,890	-262,739	1,809
187,233	1608,736	-138,208	397,580	1018,149	-244,607	1,809
187,730	1681,892	-144,476	415,664	1040,414	-244,607	1,809
188,227	1755,049	-150,743	433,749	1062,678	-244,607	1,809
188,724	1828,205	-157,011	451,834	1103,074	-227,471	1,809
189,221	1901,362	-163,278	469,918	1125,338	-227,471	1,809
189,718	1974,518	-169,546	488,003	1147,602	-227,471	1,809
190,215	2047,675	-175,813	506,088	1169,867	-227,471	1,809
190,712	2120,831	-182,081	524,173	1209,267	-221,031	1,809
191,209	2193,987	-188,348	542,257	1231,531	-221,031	1,809

x [m]	V_{PP} [kN]	V_{RCP} [kN]	V_{SC}^{max+} [kN]	V_{SC}^{max-} [kN]	V_{VDT}^{max+} [kN]	V_{VDT}^{max-} [kN]
191,706	2267,144	-194,616	560,342	1253,795	-221,031	1,809
192,203	2340,300	-200,883	578,427	1292,067	-221,031	1,809
192,700	2413,457	-207,151	596,512	1314,331	-221,031	1,809
193,110	2477,538	-186,468	611,431	1332,699	-221,031	1,809
193,520	2549,075	-165,785	626,351	1351,067	-221,031	1,809
193,930	2628,066	-145,102	641,271	1384,204	-221,031	1,809
194,340	2714,513	-124,419	656,191	1402,572	-221,031	1,809
194,750	2808,415	-103,736	671,111	1420,940	-221,031	1,809
195,160	2909,771	-83,053	686,031	1439,308	-221,031	1,809
195,570	3018,583	-62,370	700,951	1471,230	-221,031	1,809
195,980	3134,850	-41,687	715,871	1489,598	-221,031	1,809
196,390	3258,572	-21,004	730,791	1507,966	-221,031	1,809
196,800	3389,749	-0,321	745,711	1526,334	-221,031	1,809
197,210	-3257,169	21,645	-730,225	212,893	-1499,569	10,815
197,620	-3133,447	42,328	-715,305	212,893	-1481,201	10,815
198,030	-3017,180	63,011	-700,385	212,893	-1462,833	10,815
198,440	-2908,369	83,694	-685,465	212,893	-1444,465	10,815
198,850	-2807,012	104,377	-670,545	212,893	-1412,529	10,815
199,260	-2713,110	125,060	-655,625	212,893	-1394,161	10,815
199,670	-2626,664	145,743	-640,706	212,893	-1375,793	10,815
200,080	-2547,672	166,426	-625,786	212,893	-1357,425	10,815
200,490	-2476,135	187,109	-610,866	212,893	-1324,274	10,815
200,900	-2412,054	207,792	-595,946	212,893	-1305,906	10,815
201,356	-2344,994	202,047	-579,368	212,893	-1285,497	10,815
201,811	-2277,934	196,301	-562,791	212,893	-1249,067	10,815
202,267	-2210,874	190,556	-546,213	212,893	-1228,658	10,815
202,722	-2143,814	184,811	-529,635	212,893	-1208,250	10,815
203,178	-2076,754	179,066	-513,058	212,893	-1187,841	10,815
203,633	-2009,693	173,320	-496,480	219,837	-1150,282	10,815
204,089	-1942,633	167,575	-479,902	219,837	-1129,873	10,815
204,544	-1875,573	161,830	-463,325	219,837	-1109,464	10,815
205,000	-1808,513	156,085	-446,747	219,837	-1089,055	10,815
205,492	-1736,088	149,880	-428,843	236,987	-1048,868	10,815

x [m]	V_{PP} [kN]	V_{RCP} [kN]	V_{SC}^{max+} [kN]	V_{SC}^{max-} [kN]	V_{VDT}^{max+} [kN]	V_{VDT}^{max-} [kN]
205,984	-1663,664	143,675	-410,939	236,987	-1026,826	10,815
206,476	-1591,239	137,470	-393,035	236,987	-1004,785	10,815
206,968	-1518,814	131,265	-375,131	255,133	-963,734	10,815
207,460	-1446,389	125,060	-357,227	255,133	-941,693	10,815
207,952	-1373,964	118,856	-339,324	255,133	-919,651	10,815
208,444	-1301,539	112,651	-321,420	274,141	-877,871	10,815
208,936	-1229,114	106,446	-303,516	274,141	-855,830	10,815
209,428	-1156,690	100,241	-285,612	274,141	-833,788	10,815
209,920	-1084,265	94,036	-267,708	274,141	-811,747	10,815
210,412	-1011,840	87,831	-249,804	293,880	-769,370	10,815
210,904	-939,415	81,626	-231,900	293,880	-747,329	10,815
211,396	-866,990	75,422	-213,996	293,880	-725,287	10,815
211,888	-794,565	69,217	-196,093	314,214	-682,446	10,815
212,380	-722,140	63,012	-178,189	314,214	-660,405	10,815
212,872	-649,716	56,807	-160,285	314,214	-638,363	10,815
213,364	-577,291	50,602	-142,381	335,013	-595,192	10,815
213,856	-504,866	44,397	-124,477	335,013	-573,151	10,815
214,348	-432,441	38,192	-106,573	335,013	-551,109	10,815
214,840	-360,016	31,988	-88,669	335,013	-529,067	10,815
215,332	-287,591	25,783	-70,765	356,143	-485,699	10,815
215,824	-215,166	19,578	-52,862	356,143	-463,657	10,815
216,316	-142,742	13,373	-34,958	356,143	-441,615	10,815
216,808	-70,317	7,168	-17,054	377,470	-398,182	10,815
217,300	2,108	0,963	0,850	377,854	-376,525	10,815
217,797	75,265	-5,304	18,935	400,119	-376,525	10,815
218,294	148,421	-11,572	37,020	443,775	-355,201	10,815
218,791	221,577	-17,839	55,104	466,039	-355,201	10,815
219,288	294,734	-24,107	73,189	488,303	-355,201	10,815
219,785	367,890	-30,374	91,274	531,891	-334,079	10,815
220,282	441,047	-36,642	109,358	554,155	-334,079	10,815
220,779	514,203	-42,909	127,443	576,419	-334,079	10,815
221,276	587,360	-49,177	145,528	598,684	-334,079	10,815
221,773	660,516	-55,444	163,613	642,070	-313,291	10,815

x [m]	V_{PP} [kN]	V_{RCP} [kN]	V_{SC}^{max+} [kN]	V_{SC}^{max-} [kN]	V_{VDT}^{max+} [kN]	V_{VDT}^{max-} [kN]
222,270	733,672	-61,712	181,697	664,334	-313,291	10,815
222,767	806,829	-67,980	199,782	686,598	-313,291	10,815
223,264	879,985	-74,247	217,867	729,650	-292,971	10,815
223,761	953,142	-80,515	235,952	751,915	-292,971	10,815
224,258	1026,298	-86,782	254,036	774,179	-292,971	10,815
224,755	1099,455	-93,050	272,121	816,764	-273,251	10,815
225,252	1172,611	-99,317	290,206	839,028	-273,251	10,815
225,748	1245,767	-105,585	308,290	861,292	-273,251	10,815
226,245	1318,924	-111,852	326,375	883,556	-273,251	10,815
226,742	1392,080	-118,120	344,460	925,541	-254,264	10,815
227,239	1465,237	-124,387	362,545	947,805	-254,264	10,815
227,736	1538,393	-130,655	380,629	970,069	-254,264	10,815
228,233	1611,550	-136,922	398,714	1011,320	-236,144	10,815
228,730	1684,706	-143,190	416,799	1033,584	-236,144	10,815
229,227	1757,862	-149,457	434,884	1055,848	-236,144	10,815
229,724	1831,019	-155,725	452,968	1096,233	-219,023	10,815
230,221	1904,175	-161,993	471,053	1118,497	-219,023	10,815
230,718	1977,332	-168,260	489,138	1140,761	-219,023	10,815
231,215	2050,488	-174,528	507,222	1163,026	-219,023	10,815
231,712	2123,644	-180,795	525,307	1202,411	-212,720	10,815
232,209	2196,801	-187,063	543,392	1224,675	-212,720	10,815
232,706	2269,957	-193,330	561,477	1246,939	-212,720	10,815
233,203	2343,114	-199,598	579,561	1285,192	-212,720	10,815
233,700	2416,270	-205,865	597,646	1307,456	-212,720	10,815
234,110	2480,352	-185,182	612,566	1325,824	-212,720	10,815
234,520	2551,888	-164,499	627,486	1344,192	-212,720	10,815
234,930	2630,880	-143,816	642,406	1377,306	-212,720	10,815
235,340	2717,327	-123,134	657,326	1395,674	-212,720	10,815
235,750	2811,228	-102,451	672,246	1414,042	-212,720	10,815
236,160	2912,585	-81,768	687,166	1432,410	-212,720	10,815
236,570	3021,397	-61,085	702,085	1464,306	-212,720	10,815
236,980	3137,664	-40,402	717,005	1482,674	-212,720	10,815
237,390	3261,385	-19,719	731,925	1501,042	-212,720	10,815

x [m]	V_{PP} [kN]	V_{RCP} [kN]	V_{SC}^{max+} [kN]	V_{SC}^{max-} [kN]	V_{VDT}^{max+} [kN]	V_{VDT}^{max-} [kN]
237,800	3392,562	0,964	746,845	1519,410	-212,720	10,815
238,210	-3266,981	17,162	-734,182	173,617	-1471,217	19,760
238,620	-3143,259	37,845	-719,262	173,617	-1452,849	19,760
239,030	-3026,993	58,528	-704,342	173,617	-1434,481	19,760
239,440	-2918,181	79,211	-689,422	173,617	-1416,113	19,760
239,850	-2816,824	99,894	-674,502	173,617	-1384,032	19,760
240,260	-2722,922	120,577	-659,582	173,617	-1365,664	19,760
240,670	-2636,476	141,260	-644,662	173,617	-1347,296	19,760
241,080	-2557,484	161,942	-629,742	173,617	-1328,928	19,760
241,490	-2485,947	182,625	-614,822	173,617	-1295,622	19,760
241,900	-2421,866	203,308	-599,903	173,617	-1277,254	19,760
242,356	-2354,806	197,563	-583,325	173,617	-1256,845	19,760
242,811	-2287,746	191,818	-566,747	173,617	-1220,252	19,760
243,267	-2220,686	186,073	-550,170	173,617	-1199,843	19,760
243,722	-2153,626	180,327	-533,592	173,617	-1179,435	19,760
244,178	-2086,566	174,582	-517,014	173,617	-1159,026	19,760
244,633	-2019,506	168,837	-500,437	187,348	-1121,300	19,760
245,089	-1952,446	163,092	-483,859	187,348	-1100,891	19,760
245,544	-1885,385	157,346	-467,281	187,348	-1080,482	19,760
246,000	-1818,325	151,601	-450,704	187,348	-1060,074	19,760
246,492	-1745,901	145,396	-432,800	204,664	-1019,719	19,760
246,984	-1673,476	139,192	-414,896	204,664	-997,677	19,760
247,476	-1601,051	132,987	-396,992	204,664	-975,636	19,760
247,968	-1528,626	126,782	-379,088	222,978	-934,420	19,760
248,460	-1456,201	120,577	-361,184	222,978	-912,378	19,760
248,952	-1383,776	114,372	-343,280	222,978	-890,337	19,760
249,444	-1311,351	108,167	-325,376	242,152	-848,397	19,760
249,936	-1238,927	101,962	-307,473	242,152	-826,356	19,760
250,428	-1166,502	95,757	-289,569	242,152	-804,314	19,760
250,920	-1094,077	89,553	-271,665	242,152	-782,273	19,760
251,412	-1021,652	83,348	-253,761	262,049	-739,745	19,760
251,904	-949,227	77,143	-235,857	262,049	-717,703	19,760
252,396	-876,802	70,938	-217,953	262,049	-695,662	19,760

x [m]	V_{PP} [kN]	V_{RCP} [kN]	V_{SC}^{max+} [kN]	V_{SC}^{max-} [kN]	V_{VDT}^{max+} [kN]	V_{VDT}^{max-} [kN]
252,888	-804,377	64,733	-200,049	282,535	-652,683	19,760
253,380	-731,953	58,528	-182,145	282,535	-630,641	19,760
253,872	-659,528	52,323	-164,242	282,535	-608,599	19,760
254,364	-587,103	46,119	-146,338	303,473	-565,305	19,760
254,856	-514,678	39,914	-128,434	303,473	-543,263	19,760
255,348	-442,253	33,709	-110,530	303,473	-521,222	19,760
255,840	-369,828	27,504	-92,626	303,473	-499,180	19,760
256,332	-297,403	21,299	-74,722	324,726	-455,707	19,760
256,824	-224,979	15,094	-56,818	324,726	-433,665	19,760
257,316	-152,554	8,889	-38,914	324,726	-411,623	19,760
257,808	-80,129	2,685	-21,010	346,158	-368,107	19,760
258,300	-7,704	-3,520	-3,107	351,480	-351,388	19,760
258,797	65,452	-9,788	14,978	373,744	-351,388	19,760
259,294	138,609	-16,055	33,063	417,484	-330,006	19,760
259,791	211,765	-22,323	51,148	439,748	-330,006	19,760
260,288	284,922	-28,590	69,232	462,012	-330,006	19,760
260,785	358,078	-34,858	87,317	505,658	-308,854	19,760
261,282	431,235	-41,125	105,402	527,922	-308,854	19,760
261,779	504,391	-47,393	123,486	550,186	-308,854	19,760
262,276	577,547	-53,660	141,571	572,451	-308,854	19,760
262,773	650,704	-59,928	159,656	615,867	-288,069	19,760
263,270	723,860	-66,196	177,741	638,131	-288,069	19,760
263,767	797,017	-72,463	195,825	660,395	-288,069	19,760
264,264	870,173	-78,731	213,910	703,445	-267,785	19,760
264,761	943,330	-84,998	231,995	725,709	-267,785	19,760
265,258	1016,486	-91,266	250,080	747,974	-267,785	19,760
265,755	1089,642	-97,533	268,164	790,521	-248,140	19,760
266,252	1162,799	-103,801	286,249	812,786	-248,140	19,760
266,748	1235,955	-110,068	304,334	835,050	-248,140	19,760
267,245	1309,112	-116,336	322,418	857,314	-248,140	19,760
267,742	1382,268	-122,603	340,503	899,223	-229,270	19,760
268,239	1455,425	-128,871	358,588	921,488	-229,270	19,760
268,736	1528,581	-135,138	376,673	943,752	-229,270	19,760

x [m]	V_{PP} [kN]	V_{RCP} [kN]	V_{SC}^{max+} [kN]	V_{SC}^{max-} [kN]	V_{VDT}^{max+} [kN]	V_{VDT}^{max-} [kN]
269,233	1601,737	-141,406	394,757	984,886	-211,311	19,760
269,730	1674,894	-147,673	412,842	1007,151	-211,311	19,760
270,227	1748,050	-153,941	430,927	1029,415	-211,311	19,760
270,724	1821,207	-160,209	449,012	1069,638	-194,399	19,760
271,221	1894,363	-166,476	467,096	1091,902	-194,399	19,760
271,718	1967,520	-172,744	485,181	1114,167	-194,399	19,760
272,215	2040,676	-179,011	503,266	1136,431	-194,399	19,760
272,712	2113,832	-185,279	521,350	1175,607	-189,965	19,760
273,209	2186,989	-191,546	539,435	1197,871	-189,965	19,760
273,706	2260,145	-197,814	557,520	1220,136	-189,965	19,760
274,203	2333,302	-204,081	575,605	1258,128	-189,965	19,760
274,700	2406,458	-210,349	593,689	1280,392	-189,965	19,760
275,110	2470,540	-189,666	608,609	1298,760	-189,965	19,760
275,520	2542,076	-168,983	623,529	1317,128	-189,965	19,760
275,930	2621,068	-148,300	638,449	1349,929	-189,965	19,760
276,340	2707,515	-127,617	653,369	1368,297	-189,965	19,760
276,750	2801,416	-106,934	668,289	1386,665	-189,965	19,760
277,160	2902,773	-86,251	683,209	1405,033	-189,965	19,760
277,570	3011,585	-65,568	698,129	1436,565	-189,965	19,760
277,980	3127,851	-44,885	713,049	1454,933	-189,965	19,760
278,390	3251,573	-24,202	727,969	1473,301	-189,965	19,760
278,800	3382,750	-3,519	742,888	1491,669	-189,965	19,760
279,210	-3320,040	46,276	-739,846	51,824	-1386,185	198,300
279,620	-3196,318	66,958	-724,926	51,824	-1367,817	198,300
280,030	-3080,051	87,641	-710,006	51,824	-1349,449	198,300
280,440	-2971,240	108,324	-695,087	51,824	-1331,081	198,300
280,850	-2869,883	129,007	-680,167	51,824	-1298,930	198,300
281,260	-2775,981	149,690	-665,247	51,824	-1280,562	198,300
281,670	-2689,535	170,373	-650,327	51,824	-1262,194	198,300
282,080	-2610,543	191,056	-635,407	51,824	-1243,826	198,300
282,490	-2539,006	211,739	-620,487	64,315	-1210,339	198,300
282,900	-2474,925	232,422	-605,567	64,315	-1191,971	198,300
283,356	-2407,865	226,677	-588,989	64,315	-1171,562	198,300

x [m]	V_{PP} [kN]	V_{RCP} [kN]	V_{SC}^{max+} [kN]	V_{SC}^{max-} [kN]	V_{VDT}^{max+} [kN]	V_{VDT}^{max-} [kN]
283,811	-2340,805	220,932	-572,412	79,434	-1134,613	198,300
284,267	-2273,745	215,186	-555,834	79,434	-1114,204	198,300
284,722	-2206,685	209,441	-539,256	79,434	-1093,795	198,300
285,178	-2139,624	203,696	-522,679	79,434	-1073,386	198,300
285,633	-2072,564	197,951	-506,101	95,975	-1035,074	198,300
286,089	-2005,504	192,205	-489,523	95,975	-1014,665	198,300
286,544	-1938,444	186,460	-472,946	95,975	-994,256	198,300
287,000	-1871,384	180,715	-456,368	95,975	-973,847	198,300
287,492	-1798,959	174,510	-438,464	113,878	-932,625	198,300
287,984	-1726,535	168,305	-420,560	113,878	-910,584	198,300
288,476	-1654,110	162,100	-402,656	113,878	-888,542	198,300
288,968	-1581,685	155,895	-384,753	133,058	-846,128	198,300
289,460	-1509,260	149,691	-366,849	133,058	-824,086	198,300
289,952	-1436,835	143,486	-348,945	133,058	-802,045	198,300
290,444	-1364,410	137,281	-331,041	153,431	-758,524	198,300
290,936	-1291,985	131,076	-313,137	153,431	-736,482	198,300
291,428	-1219,560	124,871	-295,233	153,431	-714,440	198,300
291,920	-1147,136	118,666	-277,329	153,431	-692,399	198,300
292,412	-1074,711	112,461	-259,425	174,910	-647,856	198,300
292,904	-1002,286	106,257	-241,522	174,910	-625,814	198,300
293,396	-929,861	100,052	-223,618	174,910	-603,773	198,300
293,888	-857,436	93,847	-205,714	197,412	-558,293	198,300
294,380	-785,011	87,642	-187,810	197,412	-536,251	198,300
294,872	-712,586	81,437	-169,906	197,412	-514,210	198,300
295,364	-640,162	75,232	-152,002	220,850	-467,878	198,300
295,856	-567,737	69,027	-134,098	220,850	-445,837	198,300
296,348	-495,312	62,823	-116,194	220,850	-423,795	198,300
296,840	-422,887	56,618	-98,291	220,850	-401,754	198,300
297,332	-350,462	50,413	-80,387	249,427	-358,944	198,300
297,824	-278,037	44,208	-62,483	271,469	-358,944	198,300
298,316	-205,612	38,003	-44,579	293,510	-358,944	198,300
298,808	-133,188	31,798	-26,675	340,608	-333,206	198,300
299,300	-60,763	25,593	-8,771	362,649	-333,206	198,300

x [m]	V_{PP} [kN]	V_{RCP} [kN]	V_{SC}^{max+} [kN]	V_{SC}^{max-} [kN]	V_{VDT}^{max+} [kN]	V_{VDT}^{max-} [kN]
299,782	10,242	15,907	8,782	384,259	-333,206	198,300
300,265	81,247	6,222	26,335	431,606	-306,873	198,300
300,747	152,252	-3,464	43,887	453,215	-306,873	198,300
301,229	223,256	-13,150	61,440	474,824	-306,873	198,300
301,712	294,261	-22,836	78,993	496,434	-306,873	198,300
302,194	365,266	-32,522	96,546	544,377	-280,029	198,300
302,676	436,271	-42,208	114,099	565,986	-280,029	198,300
303,159	507,275	-51,894	131,651	587,595	-280,029	198,300
303,641	578,280	-61,580	149,204	636,049	-252,759	198,300
304,124	649,285	-71,266	166,757	657,658	-252,759	198,300
304,606	720,290	-80,952	184,310	679,268	-252,759	198,300
305,088	791,294	-90,638	201,863	728,147	-225,148	198,300
305,571	862,299	-100,324	219,416	749,757	-225,148	198,300
306,053	933,304	-110,010	236,968	771,366	-225,148	198,300
306,535	1004,309	-119,696	254,521	792,975	-225,148	198,300
307,018	1075,314	-129,382	272,074	842,195	-197,286	198,300
307,500	1146,318	-139,068	289,627	863,805	-197,286	198,300
307,910	1211,728	-147,301	304,547	882,173	-197,286	198,300
308,320	1287,251	-155,534	319,467	900,541	-197,286	198,300
308,730	1372,885	-163,767	334,387	946,771	-192,834	198,300
309,140	1468,632	-172,000	349,306	965,139	-192,834	198,300
309,550	1574,490	-180,233	364,226	983,507	-192,834	198,300
309,960	1690,461	-188,466	379,146	1001,875	-192,834	198,300
310,370	1816,544	-196,699	394,066	1048,256	-192,834	198,300
310,780	1952,739	-204,932	408,986	1066,624	-192,834	198,300
311,190	2099,046	-213,165	423,906	1084,992	-192,834	198,300
311,600	2255,466	-221,398	438,826	1103,360	-192,834	198,300

ANEXO D – Estado Limite de Descompressão – Início da Exploração

v_{sup} [m]	v_{inf} [m]	f_{ctm} [MPa]	f_{ctk} [MPa]
0,781	**1,819**	**3,2**	**2,2**

x [m]	A_c (m^2)	I_c (m^4)	$M_{qp,0}$[kN.m]	P_0 [kN]	P_0 x e [kN.m]	$M_{PE,Hip,0}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
0,000	8,120	5,521	0,000	16168,669	0,000	0,000	-1,991	-1,991
0,410	8,120	5,521	1245,372	16214,663	-1614,587	103,027	-1,959	-2,085
0,820	8,120	5,521	2421,062	16260,657	-3183,446	206,639	-1,924	-2,186
1,230	8,120	5,521	3531,216	16306,651	-4706,113	310,837	-1,886	-2,293
1,640	8,120	5,521	4579,979	16352,645	-6182,120	415,625	-1,846	-2,405
2,050	8,120	5,521	5560,013	16398,639	-7611,004	520,995	-1,803	-2,524
2,460	6,628	4,437	6496,136	16444,633	-8992,297	626,951	-2,152	-3,247
2,870	6,628	4,437	7383,307	16490,627	-10325,534	733,495	-2,099	-3,393
3,280	6,628	4,437	8225,672	16536,621	-11610,249	840,622	-2,047	-3,538
3,690	6,628	4,437	9006,814	16582,615	-12845,976	948,337	-1,993	-3,687
4,100	6,628	4,437	9769,719	16628,609	-14032,251	1056,642	-1,945	-3,823
4,582	5,888	3,819	10625,001	16674,602	-15356,440	1184,222	-2,107	-4,521
5,065	5,888	3,819	11422,458	16720,596	-16609,629	1312,520	-2,047	-4,685
5,547	5,888	3,819	12170,530	16766,590	-17791,122	1441,481	-1,993	-4,838
6,029	5,888	3,819	12888,747	16812,584	-18900,300	1571,131	-1,947	-4,970
6,512	5,888	3,819	13562,162	16858,578	-19936,520	1701,476	-1,908	-5,089
6,994	5,888	3,819	14152,631	16904,572	-20899,154	1832,528	-1,866	-5,211
7,476	5,888	3,819	14733,814	16950,566	-21787,521	1964,251	-1,838	-5,303
7,959	5,888	3,819	15270,197	16996,560	-22600,994	2096,666	-1,816	-5,379
8,441	5,888	3,819	15740,073	17042,554	-23338,943	2229,786	-1,796	-5,451
8,924	5,888	3,819	16160,651	17088,548	-24000,696	2363,582	-1,782	-5,510
9,406	5,888	3,819	16560,042	17134,542	-24585,621	2498,068	-1,780	-5,542
9,888	5,888	3,819	16910,291	17180,535	-25093,084	2633,253	-1,783	-5,561
10,371	5,888	3,819	17176,668	17226,529	-25522,421	2769,123	-1,785	-5,581
10,853	5,888	3,819	17432,251	17272,523	-25872,997	2905,681	-1,802	-5,570
11,335	5,888	3,819	17649,899	17318,517	-26144,167	3042,931	-1,827	-5,537
11,818	5,888	3,819	17792,358	17364,511	-26335,290	3180,874	-1,853	-5,503
12,300	5,888	3,819	17887,479	17410,505	-26445,714	3319,508	-1,886	-5,452
12,756	5,888	3,819	17964,930	17431,000	-26454,033	3446,532	-1,929	-5,362

x [m]	A_c (m^2)	I_c (m^4)	$M_{qp,0}$[kN.m]	P_0 [kN]	P_0 x e [kN.m]	$M_{PE,Hip,0}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
13,211	5,888	3,819	17994,221	17410,505	-26354,575	3565,448	-1,976	-5,240
13,667	5,888	3,819	17950,750	17431,000	-26271,538	3692,758	-2,014	-5,164
14,122	5,888	3,819	17886,748	17410,505	-26081,156	3811,388	-2,061	-5,044
14,578	5,888	3,819	17802,072	17431,000	-25906,550	3938,981	-2,109	-4,944
15,033	5,888	3,819	17652,835	17410,505	-25625,458	4057,318	-2,156	-4,822
15,489	5,888	3,819	17447,237	17431,000	-25359,068	4185,198	-2,198	-4,735
15,944	5,888	3,819	17230,821	17410,505	-24987,481	4303,243	-2,251	-4,602
16,400	5,888	3,819	16984,087	17431,000	-24629,092	4431,407	-2,303	-4,491
16,892	5,888	3,819	16628,451	17410,505	-24130,618	4558,991	-2,355	-4,359
17,384	5,888	3,819	16233,275	17431,000	-23635,740	4697,305	-2,407	-4,249
17,876	5,888	3,819	15826,390	17410,505	-23032,128	4824,570	-2,470	-4,091
18,368	5,888	3,819	15343,375	17431,000	-22429,527	4963,194	-2,526	-3,971
18,860	5,888	3,819	14798,990	17410,505	-21721,028	5090,146	-2,582	-3,829
19,352	5,888	3,819	14238,983	17431,000	-21010,452	5229,073	-2,645	-3,695
19,844	5,888	3,819	13628,686	17410,505	-20197,316	5355,707	-2,709	-3,535
20,336	5,888	3,819	12942,254	17431,000	-19378,516	5494,946	-2,768	-3,409
20,828	5,888	3,819	12223,055	17410,505	-18460,994	5621,262	-2,831	-3,251
21,320	5,888	3,819	11485,569	17431,000	-17533,719	5760,808	-2,902	-3,097
21,812	5,888	3,819	10657,192	17410,505	-16512,061	5886,807	-2,963	-2,942
22,304	5,888	3,819	9782,205	17431,000	-15476,061	6026,659	-3,028	-2,802
22,796	5,888	3,819	8900,566	17410,505	-14350,517	6152,345	-3,100	-2,622
23,288	5,888	3,819	7945,109	17431,000	-13205,542	6292,510	-3,171	-2,469
23,780	5,888	3,819	6928,285	17410,505	-11976,361	6417,875	-3,237	-2,304
24,272	5,888	3,819	5889,822	17431,000	-10722,162	6558,346	-3,313	-2,138
24,764	5,888	3,819	4807,410	17410,505	-9389,596	6683,399	-3,387	-1,956
25,256	5,888	3,819	3648,867	17431,000	-8025,920	6824,176	-3,461	-1,795
25,748	5,888	3,819	2454,838	17410,505	-6590,219	6948,908	-3,532	-1,617
26,240	5,888	3,819	-2903,731	17431,000	-5116,817	7090,000	-2,770	-3,404
26,732	5,888	3,819	-4178,466	17410,505	-3578,231	7214,415	-2,846	-3,215
27,224	5,888	3,819	-5497,643	17431,000	-1994,853	7355,812	-2,932	-3,025
27,716	5,888	3,819	-6861,261	17410,505	-353,632	7479,907	-3,011	-2,831
28,208	5,888	3,819	-8269,322	17431,000	1339,972	7621,612	-3,102	-2,631
28,700	5,888	3,819	-9721,824	18455,438	3268,646	8210,257	-3,494	-2,297

x [m]	A_c (m^2)	I_c (m^4)	$M_{qp,0}$[kN.m]	P_0 [kN]	P_0 x e [kN.m]	$M_{PE,Hip,0}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
29,110	6,628	4,437	-11016,595	18368,350	4731,862	8289,387	-3,124	-1,950
29,520	6,628	4,437	-12350,315	18281,262	6027,136	8366,298	-3,118	-1,921
29,930	6,628	4,437	-13722,517	18194,174	7155,570	8442,099	-3,075	-1,976
30,340	6,628	4,437	-15136,257	18107,086	8119,378	8516,791	-2,996	-2,117
30,750	6,628	4,437	-16594,592	18019,998	8920,777	8590,376	-2,880	-2,343
31,160	8,120	5,521	-18100,578	17932,910	9561,982	8662,856	-2,226	-2,168
31,570	8,120	5,521	-19657,272	17845,822	10045,208	8734,225	-2,074	-2,487
31,980	8,120	5,521	-21267,730	17758,734	10372,671	8804,488	-1,891	-2,876
32,390	8,120	5,521	-22935,010	17671,646	10546,587	8873,642	-1,679	-3,334
32,800	8,120	5,521	-24662,167	17584,558	10569,170	8941,691	-1,437	-3,863
33,210	8,120	5,521	-22881,209	17497,470	10442,637	8894,398	-1,654	-3,323
33,620	8,120	5,521	-21162,198	17410,382	10169,203	8847,142	-1,841	-2,851
34,030	8,120	5,521	-19503,073	17323,294	9751,083	8799,909	-1,999	-2,447
34,440	8,120	5,521	-17913,680	17236,206	9190,493	8752,709	-2,127	-2,113
34,850	8,120	5,521	-16374,995	17149,118	8489,649	8705,536	-2,228	-1,842
35,260	6,628	4,437	-14883,961	17062,029	7650,766	8658,397	-2,825	-1,990
35,670	6,628	4,437	-13437,522	16974,941	6676,059	8611,281	-2,887	-1,803
36,080	6,628	4,437	-12032,621	16887,853	5567,744	8564,197	-2,917	-1,687
36,490	6,628	4,437	-10666,202	16800,765	4328,037	8517,143	-2,918	-1,642
36,900	5,888	3,819	-9335,208	16713,677	2960,162	8469,110	-3,267	-1,841
37,356	5,888	3,819	-7894,855	16679,562	1404,291	8448,708	-3,233	-1,900
37,811	5,888	3,819	-6494,462	16645,446	-101,640	8428,288	-3,202	-1,954
38,267	5,888	3,819	-5150,663	16611,330	-1557,964	8407,910	-3,169	-2,012
38,722	5,888	3,819	-3891,111	16577,215	-2964,885	8387,509	-3,128	-2,086
39,178	5,888	3,819	-2669,660	16543,099	-4322,733	8367,153	-3,091	-2,155
39,633	5,888	3,819	2562,501	16508,983	-5631,715	8346,776	-3,883	-0,290
40,089	5,888	3,819	3726,041	16474,868	-6892,159	8326,444	-3,853	-0,340
40,544	5,888	3,819	4884,494	16440,752	-8104,275	8306,093	-3,832	-0,370
41,000	5,888	3,819	6002,985	16406,637	-9268,386	8285,779	-3,813	-0,395
41,492	5,888	3,819	7121,792	16446,791	-10521,229	8302,712	-3,796	-0,458
41,984	5,888	3,819	8229,857	16486,946	-11729,746	8319,626	-3,786	-0,505
42,476	5,888	3,819	9315,315	16527,101	-12893,570	8336,519	-3,780	-0,541
42,968	5,888	3,819	10324,642	16567,255	-14012,331	8353,397	-3,768	-0,592

x [m]	A_c (m^2)	I_c (m^4)	$M_{qp,0}$[kN.m]	P_0 [kN]	P_0 x e [kN.m]	$M_{PE,Hip,0}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
43,460	5,888	3,819	11285,914	16607,410	-15085,663	8370,254	-3,755	-0,644
43,952	5,888	3,819	12229,683	16647,565	-16113,197	8387,095	-3,748	-0,682
44,444	5,888	3,819	13112,082	16687,720	-17094,566	8403,914	-3,738	-0,728
44,936	5,888	3,819	13918,350	16727,874	-18029,402	8420,717	-3,722	-0,788
45,428	5,888	3,819	14718,661	16768,029	-18917,338	8437,504	-3,714	-0,829
45,920	5,888	3,819	15474,055	16808,184	-19758,005	8454,271	-3,707	-0,868
46,412	5,888	3,819	16138,558	16848,339	-20551,036	8471,016	-3,691	-0,928
46,904	5,888	3,819	16781,380	16888,493	-21296,063	8487,748	-3,681	-0,976
47,396	5,888	3,819	17394,946	16928,648	-21992,718	8504,458	-3,674	-1,014
47,888	5,888	3,819	17932,381	16968,803	-22640,633	8521,150	-3,662	-1,066
48,380	5,888	3,819	18408,446	17008,958	-23239,442	8537,826	-3,647	-1,123
48,872	5,888	3,819	18837,900	17049,112	-23788,775	8554,481	-3,632	-1,179
49,364	5,888	3,819	19248,982	17089,267	-24288,265	8571,116	-3,624	-1,220
49,856	5,888	3,819	19625,368	17129,422	-24737,545	8587,736	-3,620	-1,254
50,348	5,888	3,819	19955,144	17169,577	-25136,246	8604,334	-3,616	-1,286
50,840	5,888	3,819	20238,309	17209,731	-25484,002	8620,916	-3,613	-1,315
51,332	5,888	3,819	20430,583	17249,886	-25780,443	8637,479	-3,602	-1,364
51,824	5,888	3,819	20593,563	17290,041	-26025,203	8654,023	-3,595	-1,402
52,316	5,888	3,819	20734,792	17330,196	-26217,913	8670,546	-3,595	-1,425
52,808	5,888	3,819	20799,854	17370,350	-26358,206	8687,054	-3,590	-1,460
53,300	5,888	3,819	20803,812	17410,505	-26445,714	8703,543	-3,583	-1,499
53,797	5,888	3,819	20802,851	17442,170	-26466,646	8715,733	-3,586	-1,509
54,294	5,888	3,819	20738,679	17473,834	-26433,050	8727,904	-3,588	-1,523
54,791	5,888	3,819	20597,877	17505,499	-26344,630	8740,066	-3,585	-1,547
55,288	5,888	3,819	20436,494	17537,164	-26201,090	8752,209	-3,589	-1,555
55,785	5,888	3,819	20240,938	17568,828	-26002,135	8764,339	-3,598	-1,553
56,282	5,888	3,819	19955,335	17600,493	-25747,468	8776,448	-3,599	-1,568
56,779	5,888	3,819	19633,435	17632,158	-25436,794	8788,548	-3,605	-1,573
57,276	5,888	3,819	19295,332	17663,822	-25069,817	8800,631	-3,619	-1,559
57,773	5,888	3,819	18876,127	17695,487	-24646,240	8812,696	-3,627	-1,556
58,270	5,888	3,819	18398,183	17727,152	-24165,769	8824,747	-3,636	-1,555
58,767	5,888	3,819	17911,106	17758,816	-23628,106	8836,781	-3,654	-1,530
59,264	5,888	3,819	17360,567	17790,481	-23032,956	8848,800	-3,671	-1,509

x [m]	A_c (m^2)	I_c (m^4)	$M_{qp,0}$[kN.m]	P_0 [kN]	P_0 x e [kN.m]	$M_{PE,Hip,0}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
59,761	5,888	3,819	16737,871	17822,145	-22380,024	8860,804	-3,685	-1,494
60,258	5,888	3,819	16090,961	17853,810	-21669,013	8872,793	-3,706	-1,463
60,755	5,888	3,819	15409,133	17885,475	-20899,628	8884,767	-3,732	-1,421
61,252	5,888	3,819	14641,730	17917,139	-20071,590	8896,745	-3,752	-1,392
61,748	5,888	3,819	13835,523	17948,804	-19184,569	8908,686	-3,776	-1,353
62,245	5,888	3,819	13015,755	17980,469	-18238,285	8920,610	-3,810	-1,292
62,742	5,888	3,819	12110,412	18012,133	-17232,444	8932,526	-3,838	-1,244
63,239	5,888	3,819	11150,803	18043,798	-16166,748	8944,420	-3,868	-1,193
63,736	5,888	3,819	10181,235	18075,463	-15040,902	8956,302	-3,907	-1,119
64,233	5,888	3,819	9144,733	18107,127	-13854,611	8968,162	-3,946	-1,047
64,730	5,888	3,819	8040,547	18138,792	-12607,578	8980,012	-3,983	-0,979
65,227	5,888	3,819	6915,351	18170,457	-11299,507	8991,850	-4,028	-0,891
65,724	5,888	3,819	5756,980	18202,121	-9930,103	9003,668	-4,079	-0,791
66,221	5,888	3,819	4517,506	18233,786	-8499,069	9015,468	-4,126	-0,699
66,718	5,888	3,819	3242,633	18265,450	-7006,110	9027,250	-4,178	-0,595
67,215	5,888	3,819	-2043,940	18297,115	-5450,930	9039,024	-3,423	-2,372
67,712	5,888	3,819	-3349,203	18328,780	-3833,233	9050,778	-3,495	-2,223
68,209	5,888	3,819	-4699,811	18360,444	-2152,722	9062,516	-3,570	-2,066
68,706	5,888	3,819	-6097,558	18392,109	-409,103	9074,238	-3,649	-1,901
69,203	5,888	3,819	-7608,032	18423,774	1397,921	9085,947	-3,717	-1,759
69,700	5,888	3,819	-9166,063	18455,438	3268,646	9097,640	-3,789	-1,610
70,110	6,628	4,437	-10487,749	18368,350	4731,862	9052,658	-3,352	-1,420
70,520	6,628	4,437	-11844,861	18281,262	6027,136	9006,590	-3,319	-1,451
70,930	6,628	4,437	-13240,454	18194,174	7155,570	8960,551	-3,251	-1,566
71,340	6,628	4,437	-14677,585	18107,086	8119,378	8914,546	-3,147	-1,766
71,750	6,628	4,437	-16159,312	18019,998	8920,777	8868,563	-3,006	-2,051
72,160	8,120	5,521	-17688,689	17932,910	9561,982	8822,615	-2,307	-1,979
72,570	8,120	5,521	-19268,774	17845,822	10045,208	8776,693	-2,135	-2,345
72,980	8,120	5,521	-20902,624	17758,734	10372,671	8730,807	-1,933	-2,780
73,390	8,120	5,521	-22593,295	17671,646	10546,587	8684,940	-1,701	-3,284
73,800	8,120	5,521	-24343,843	17584,558	10569,170	8639,112	-1,439	-3,858
74,210	8,120	5,521	-22582,051	17497,470	10442,637	8596,132	-1,654	-3,322
74,620	8,120	5,521	-20884,013	17410,382	10169,203	8553,159	-1,838	-2,856

x [m]	A_c (m^2)	I_c (m^4)	$M_{qp,0}$[kN.m]	P_0 [kN]	P_0 x e [kN.m]	$M_{PE,Hip,0}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
75,030	8,120	5,521	-19242,795	17323,294	9751,083	8510,182	-1,995	-2,457
75,440	8,120	5,521	-17655,343	17236,206	9190,493	8467,208	-2,123	-2,122
75,850	8,120	5,521	-16118,598	17149,118	8489,649	8424,236	-2,225	-1,850
76,260	6,628	4,437	-14629,504	17062,029	7650,766	8381,267	-2,821	-1,999
76,670	6,628	4,437	-13185,005	16974,941	6676,059	8338,295	-2,883	-1,811
77,080	6,628	4,437	-11782,045	16887,853	5567,744	8295,331	-2,914	-1,695
77,490	6,628	4,437	-10417,565	16800,765	4328,037	8252,363	-2,916	-1,648
77,900	5,888	3,819	-9088,512	16713,677	2960,162	8208,388	-3,264	-1,848
78,356	5,888	3,819	-7650,314	16679,562	1404,291	8191,498	-3,231	-1,906
78,811	5,888	3,819	-6252,077	16645,446	-101,640	8174,576	-3,199	-1,960
79,267	5,888	3,819	-4936,946	16611,330	-1557,964	8157,687	-3,161	-2,029
79,722	5,888	3,819	-3679,100	16577,215	-2964,885	8140,764	-3,121	-2,102
80,178	5,888	3,819	-2459,355	16543,099	-4322,733	8123,870	-3,084	-2,171
80,633	5,888	3,819	2549,153	16508,983	-5631,715	8106,947	-3,831	-0,411
81,089	5,888	3,819	3716,080	16474,868	-6892,159	8090,047	-3,803	-0,458
81,544	5,888	3,819	4876,854	16440,752	-8104,275	8073,121	-3,783	-0,484
82,000	5,888	3,819	5997,668	16406,637	-9268,386	8056,222	-3,765	-0,507
82,492	5,888	3,819	7118,982	16446,791	-10521,229	8075,766	-3,749	-0,567
82,984	5,888	3,819	8238,658	16486,946	-11729,746	8095,306	-3,741	-0,607
83,476	5,888	3,819	9326,395	16527,101	-12893,570	8114,844	-3,737	-0,641
83,968	5,888	3,819	10338,002	16567,255	-14012,331	8134,378	-3,726	-0,690
84,460	5,888	3,819	11302,057	16607,410	-15085,663	8153,909	-3,714	-0,739
84,952	5,888	3,819	12248,095	16647,565	-16113,197	8173,437	-3,708	-0,775
85,444	5,888	3,819	13132,762	16687,720	-17094,566	8192,966	-3,699	-0,819
85,936	5,888	3,819	13941,298	16727,874	-18029,402	8212,487	-3,684	-0,877
86,428	5,888	3,819	14744,172	16768,029	-18917,338	8232,009	-3,678	-0,915
86,920	5,888	3,819	15501,827	16808,184	-19758,005	8251,522	-3,672	-0,952
87,412	5,888	3,819	16168,591	16848,339	-20551,036	8271,038	-3,657	-1,009
87,904	5,888	3,819	16813,807	16888,493	-21296,063	8290,548	-3,647	-1,054
88,396	5,888	3,819	17429,631	16928,648	-21992,718	8310,057	-3,641	-1,091
88,888	5,888	3,819	17969,323	16968,803	-22640,633	8329,562	-3,630	-1,140
89,380	5,888	3,819	18456,337	17008,958	-23239,442	8349,067	-3,618	-1,190
89,872	5,888	3,819	18930,282	17049,112	-23788,775	8368,565	-3,613	-1,224

x [m]	A_c (m^2)	I_c (m^4)	$M_{qp,0}$[kN.m]	P_0 [kN]	P_0 x e [kN.m]	$M_{PE,Hip,0}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
90,364	5,888	3,819	19342,858	17089,267	-24288,265	8388,059	-3,606	-1,263
90,856	5,888	3,819	19679,302	17129,422	-24737,545	8407,553	-3,594	-1,314
91,348	5,888	3,819	20003,290	17169,577	-25136,246	8427,043	-3,590	-1,347
91,840	5,888	3,819	20288,715	17209,731	-25484,002	8446,529	-3,588	-1,374
92,332	5,888	3,819	20483,249	17249,886	-25780,443	8466,013	-3,578	-1,420
92,824	5,888	3,819	20648,317	17290,041	-26025,203	8485,494	-3,572	-1,456
93,316	5,888	3,819	20791,811	17330,196	-26217,913	8504,973	-3,573	-1,477
93,808	5,888	3,819	20859,175	17370,350	-26358,206	8524,443	-3,569	-1,509
94,300	5,888	3,819	20865,184	17410,505	-26445,714	8543,915	-3,563	-1,546
94,797	5,888	3,819	20866,519	17442,170	-26466,646	8559,214	-3,567	-1,553
95,294	5,888	3,819	20804,644	17473,834	-26433,050	8574,510	-3,570	-1,565
95,791	5,888	3,819	20666,138	17505,499	-26344,630	8589,802	-3,568	-1,586
96,288	5,888	3,819	20506,845	17537,164	-26201,090	8605,090	-3,574	-1,592
96,785	5,888	3,819	20313,597	17568,828	-26002,135	8620,376	-3,583	-1,587
97,282	5,888	3,819	20030,300	17600,493	-25747,468	8635,662	-3,586	-1,599
97,779	5,888	3,819	19710,502	17632,158	-25436,794	8650,943	-3,593	-1,602
98,276	5,888	3,819	19374,718	17663,822	-25069,817	8666,220	-3,607	-1,585
98,773	5,888	3,819	18957,832	17695,487	-24646,240	8681,494	-3,617	-1,580
99,270	5,888	3,819	18482,208	17727,152	-24165,769	8696,766	-3,627	-1,576
99,767	5,888	3,819	17997,275	17758,816	-23628,106	8712,031	-3,646	-1,549
100,264	5,888	3,819	17449,069	17790,481	-23032,956	8727,295	-3,664	-1,524
100,761	5,888	3,819	16828,706	17822,145	-22380,024	8742,556	-3,679	-1,507
101,258	5,888	3,819	16183,983	17853,810	-21669,013	8757,814	-3,701	-1,473
101,755	5,888	3,819	15504,502	17885,475	-20899,628	8773,068	-3,728	-1,429
102,252	5,888	3,819	14739,447	17917,139	-20071,590	8788,338	-3,750	-1,397
102,748	5,888	3,819	13935,481	17948,804	-19184,569	8803,587	-3,775	-1,355
103,245	5,888	3,819	13118,077	17980,469	-18238,285	8818,832	-3,810	-1,292
103,742	5,888	3,819	12215,098	18012,133	-17232,444	8834,074	-3,839	-1,241
104,239	5,888	3,819	11257,853	18043,798	-16166,748	8849,315	-3,870	-1,188
104,736	5,888	3,819	10290,604	18075,463	-15040,902	8864,549	-3,911	-1,110
105,233	5,888	3,819	9256,483	18107,127	-13854,611	8879,783	-3,951	-1,036
105,730	5,888	3,819	8154,677	18138,792	-12607,578	8895,015	-3,989	-0,965
106,227	5,888	3,819	7033,195	18170,457	-11299,507	8910,238	-4,036	-0,874

x [m]	A_c (m^2)	I_c (m^4)	$M_{qp,0}$[kN.m]	P_0 [kN]	P_0 x e [kN.m]	$M_{PE,Hip,0}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
106,724	5,888	3,819	5883,037	18202,121	-9930,103	8925,461	-4,089	-0,768
107,221	5,888	3,819	4651,778	18233,786	-8499,069	8940,681	-4,138	-0,671
107,718	5,888	3,819	3385,171	18265,450	-7006,110	8955,896	-4,193	-0,561
108,215	5,888	3,819	-1963,083	18297,115	-5450,930	8971,108	-3,426	-2,366
108,712	5,888	3,819	-3276,373	18328,780	-3833,233	8986,318	-3,497	-2,219
109,209	5,888	3,819	-4635,007	18360,444	-2152,722	9001,524	-3,571	-2,064
109,706	5,888	3,819	-6044,329	18392,109	-409,103	9016,724	-3,648	-1,903
110,203	5,888	3,819	-7563,320	18423,774	1397,921	9031,923	-3,715	-1,764
110,700	5,888	3,819	-9129,868	18455,438	3268,646	9047,119	-3,786	-1,617
111,110	6,628	4,437	-10458,581	18368,350	4731,862	9005,328	-3,348	-1,427
111,520	6,628	4,437	-11822,720	18281,262	6027,136	8962,424	-3,316	-1,460
111,930	6,628	4,437	-13225,340	18194,174	7155,570	8919,522	-3,247	-1,577
112,340	6,628	4,437	-14669,498	18107,086	8119,378	8876,622	-3,141	-1,778
112,750	6,628	4,437	-16158,251	18019,998	8920,777	8833,721	-3,000	-2,064
113,160	8,120	5,521	-17694,655	17932,910	9561,982	8790,823	-2,302	-1,992
113,570	8,120	5,521	-19281,767	17845,822	10045,208	8747,927	-2,129	-2,359
113,980	8,120	5,521	-20922,644	17758,734	10372,671	8705,032	-1,926	-2,795
114,390	8,120	5,521	-22620,341	17671,646	10546,587	8662,137	-1,694	-3,300
114,800	8,120	5,521	-24377,916	17584,558	10569,170	8619,249	-1,432	-3,876
115,210	8,120	5,521	-22619,771	17497,470	10442,637	8576,474	-1,646	-3,341
115,620	8,120	5,521	-20921,782	17410,382	10169,203	8533,701	-1,830	-2,875
116,030	8,120	5,521	-19280,614	17323,294	9751,083	8490,929	-1,987	-2,476
116,440	8,120	5,521	-17693,211	17236,206	9190,493	8448,159	-2,115	-2,141
116,850	8,120	5,521	-16156,515	17149,118	8489,649	8405,384	-2,217	-1,869
117,260	6,628	4,437	-14667,471	17062,029	7650,766	8362,614	-2,811	-2,022
117,670	6,628	4,437	-13223,021	16974,941	6676,059	8319,842	-2,873	-1,834
118,080	6,628	4,437	-11820,110	16887,853	5567,744	8277,073	-2,904	-1,718
118,490	6,628	4,437	-10455,680	16800,765	4328,037	8234,300	-2,906	-1,671
118,900	5,888	3,819	-9126,675	16713,677	2960,162	8190,522	-3,252	-1,875
119,356	5,888	3,819	-7688,533	16679,562	1404,291	8173,784	-3,219	-1,933
119,811	5,888	3,819	-6290,351	16645,446	-101,640	8157,009	-3,188	-1,986
120,267	5,888	3,819	-4977,192	16611,330	-1557,964	8140,267	-3,149	-2,057
120,722	5,888	3,819	-3719,368	16577,215	-2964,885	8123,492	-3,110	-2,130

x [m]	A_c (m^2)	I_c (m^4)	$M_{qp,0}$[kN.m]	P_0 [kN]	P_0 x e [kN.m]	$M_{PE,Hip,0}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
121,178	5,888	3,819	-2499,645	16543,099	-4322,733	8106,747	-3,072	-2,198
121,633	5,888	3,819	2754,220	16508,983	-5631,715	8089,967	-3,870	-0,321
122,089	5,888	3,819	3916,734	16474,868	-6892,159	8073,216	-3,840	-0,370
122,544	5,888	3,819	5073,020	16440,752	-8104,275	8056,441	-3,820	-0,399
123,000	5,888	3,819	6189,345	16406,637	-9268,386	8039,686	-3,801	-0,424
123,492	5,888	3,819	7305,959	16446,791	-10521,229	8059,306	-3,784	-0,486
123,984	5,888	3,819	8421,172	16486,946	-11729,746	8078,927	-3,775	-0,528
124,476	5,888	3,819	9503,924	16527,101	-12893,570	8098,544	-3,770	-0,564
124,968	5,888	3,819	10510,544	16567,255	-14012,331	8118,160	-3,758	-0,615
125,460	5,888	3,819	11469,649	16607,410	-15085,663	8137,772	-3,745	-0,667
125,952	5,888	3,819	12410,699	16647,565	-16113,197	8157,384	-3,738	-0,706
126,444	5,888	3,819	13290,379	16687,720	-17094,566	8176,994	-3,728	-0,752
126,936	5,888	3,819	14093,928	16727,874	-18029,402	8196,602	-3,712	-0,812
127,428	5,888	3,819	14891,836	16768,029	-18917,338	8216,203	-3,705	-0,852
127,920	5,888	3,819	15644,503	16808,184	-19758,005	8235,807	-3,697	-0,891
128,412	5,888	3,819	16306,279	16848,339	-20551,036	8255,405	-3,681	-0,951
128,904	5,888	3,819	16946,519	16888,493	-21296,063	8275,002	-3,671	-0,999
129,396	5,888	3,819	17557,354	16928,648	-21992,718	8294,597	-3,664	-1,037
129,888	5,888	3,819	18092,055	16968,803	-22640,633	8314,190	-3,652	-1,088
130,380	5,888	3,819	18574,083	17008,958	-23239,442	8333,781	-3,639	-1,142
130,872	5,888	3,819	19043,040	17049,112	-23788,775	8353,368	-3,633	-1,177
131,364	5,888	3,819	19450,628	17089,267	-24288,265	8372,952	-3,625	-1,219
131,856	5,888	3,819	19782,084	17129,422	-24737,545	8392,534	-3,612	-1,272
132,348	5,888	3,819	20101,077	17169,577	-25136,246	8412,112	-3,606	-1,308
132,840	5,888	3,819	20381,514	17209,731	-25484,002	8431,689	-3,604	-1,337
133,332	5,888	3,819	20571,060	17249,886	-25780,443	8451,266	-3,592	-1,386
133,824	5,888	3,819	20731,129	17290,041	-26025,203	8470,835	-3,586	-1,423
134,316	5,888	3,819	20869,636	17330,196	-26217,913	8490,407	-3,586	-1,447
134,808	5,888	3,819	20932,012	17370,350	-26358,206	8509,973	-3,581	-1,481
135,300	5,888	3,819	20933,019	17410,505	-26445,714	8529,539	-3,574	-1,520
135,797	5,888	3,819	20929,318	17442,170	-26466,646	8544,939	-3,577	-1,530
136,294	5,888	3,819	20862,405	17473,834	-26433,050	8560,337	-3,579	-1,544
136,791	5,888	3,819	20718,862	17505,499	-26344,630	8575,735	-3,576	-1,568

x [m]	A_c (m^2)	I_c (m^4)	$M_{qp,0}$[kN.m]	P_0 [kN]	P_0 x e [kN.m]	$M_{PE,Hip,0}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
137,288	5,888	3,819	20554,517	17537,164	-26201,090	8591,127	-3,580	-1,576
137,785	5,888	3,819	20356,232	17568,828	-26002,135	8606,520	-3,589	-1,574
138,282	5,888	3,819	20067,899	17600,493	-25747,468	8621,907	-3,591	-1,588
138,779	5,888	3,819	19743,049	17632,158	-25436,794	8637,291	-3,596	-1,593
139,276	5,888	3,819	19402,230	17663,822	-25069,817	8652,674	-3,610	-1,578
139,773	5,888	3,819	18980,309	17695,487	-24646,240	8668,053	-3,619	-1,575
140,270	5,888	3,819	18499,648	17727,152	-24165,769	8683,431	-3,628	-1,574
140,767	5,888	3,819	18009,667	17758,816	-23628,106	8698,806	-3,646	-1,549
141,264	5,888	3,819	17456,426	17790,481	-23032,956	8714,178	-3,663	-1,527
141,761	5,888	3,819	16831,029	17822,145	-22380,024	8729,548	-3,677	-1,512
142,258	5,888	3,819	16181,260	17853,810	-21669,013	8744,915	-3,698	-1,481
142,755	5,888	3,819	15496,747	17885,475	-20899,628	8760,277	-3,724	-1,439
143,252	5,888	3,819	14726,658	17917,139	-20071,590	8775,654	-3,744	-1,409
143,748	5,888	3,819	13917,651	17948,804	-19184,569	8791,012	-3,769	-1,370
144,245	5,888	3,819	13095,214	17980,469	-18238,285	8806,370	-3,803	-1,309
144,742	5,888	3,819	12187,203	18012,133	-17232,444	8821,725	-3,831	-1,260
145,239	5,888	3,819	11224,926	18043,798	-16166,748	8837,076	-3,861	-1,209
145,736	5,888	3,819	10252,641	18075,463	-15040,902	8852,423	-3,901	-1,134
146,233	5,888	3,819	9213,488	18107,127	-13854,611	8867,765	-3,939	-1,062
146,730	5,888	3,819	8106,652	18138,792	-12607,578	8883,105	-3,977	-0,994
147,227	5,888	3,819	6980,529	18170,457	-11299,507	8898,447	-4,022	-0,905
147,724	5,888	3,819	5827,037	18202,121	-9930,103	8913,782	-4,075	-0,800
148,221	5,888	3,819	4592,443	18233,786	-8499,069	8929,115	-4,124	-0,705
148,718	5,888	3,819	3322,507	18265,450	-7006,110	8944,447	-4,178	-0,597
149,215	5,888	3,819	-2005,490	18297,115	-5450,930	8959,773	-3,415	-2,391
149,712	5,888	3,819	-3320,398	18328,780	-3833,233	8975,099	-3,485	-2,245
150,209	5,888	3,819	-4680,650	18360,444	-2152,722	8990,420	-3,559	-2,091
150,706	5,888	3,819	-6091,857	18392,109	-409,103	9005,737	-3,636	-1,931
151,203	5,888	3,819	-7612,502	18423,774	1397,921	9021,053	-3,703	-1,792
151,700	5,888	3,819	-9180,704	18455,438	3268,646	9036,365	-3,773	-1,646
152,110	6,628	4,437	-10510,782	18368,350	4731,862	8994,739	-3,337	-1,453
152,520	6,628	4,437	-11876,285	18281,262	6027,136	8951,995	-3,304	-1,486
152,930	6,628	4,437	-13280,269	18194,174	7155,570	8909,255	-3,235	-1,604

x [m]	A_c (m^2)	I_c (m^4)	$M_{qp,0}$[kN.m]	P_0 [kN]	P_0 x e [kN.m]	$M_{PE,Hip,0}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
153,340	6,628	4,437	-14725,792	18107,086	8119,378	8866,511	-3,130	-1,805
153,750	6,628	4,437	-16215,909	18019,998	8920,777	8823,771	-2,988	-2,092
154,160	8,120	5,521	-17753,678	17932,910	9561,982	8781,028	-2,292	-2,014
154,570	8,120	5,521	-19342,155	17845,822	10045,208	8738,290	-2,119	-2,382
154,980	8,120	5,521	-20984,396	17758,734	10372,671	8695,551	-1,916	-2,818
155,390	8,120	5,521	-22683,458	17671,646	10546,587	8652,810	-1,684	-3,324
155,800	8,120	5,521	-24442,397	17584,558	10569,170	8610,073	-1,421	-3,900
156,210	8,120	5,521	-22681,675	17497,470	10442,637	8567,713	-1,636	-3,365
156,620	8,120	5,521	-20980,830	17410,382	10169,203	8525,355	-1,821	-2,898
157,030	8,120	5,521	-19336,807	17323,294	9751,083	8482,991	-1,978	-2,497
157,440	8,120	5,521	-17746,547	17236,206	9190,493	8440,625	-2,106	-2,161
157,850	8,120	5,521	-16206,996	17149,118	8489,649	8398,253	-2,208	-1,888
158,260	6,628	4,437	-14715,096	17062,029	7650,766	8355,883	-2,802	-2,045
158,670	6,628	4,437	-13267,790	16974,941	6676,059	8313,507	-2,864	-1,855
159,080	6,628	4,437	-11862,023	16887,853	5567,744	8271,126	-2,896	-1,738
159,490	6,628	4,437	-10494,738	16800,765	4328,037	8228,743	-2,898	-1,689
159,900	5,888	3,819	-9162,877	16713,677	2960,162	8185,347	-3,244	-1,894
160,356	5,888	3,819	-7721,561	16679,562	1404,291	8169,012	-3,211	-1,951
160,811	5,888	3,819	-6320,206	16645,446	-101,640	8152,639	-3,181	-2,003
161,267	5,888	3,819	-5004,029	16611,330	-1557,964	8136,298	-3,143	-2,071
161,722	5,888	3,819	-3743,027	16577,215	-2964,885	8119,919	-3,104	-2,143
162,178	5,888	3,819	-2520,126	16543,099	-4322,733	8103,570	-3,067	-2,209
162,633	5,888	3,819	2714,821	16508,983	-5631,715	8087,189	-3,861	-0,341
163,089	5,888	3,819	3881,994	16474,868	-6892,159	8070,832	-3,833	-0,388
163,544	5,888	3,819	5042,932	16440,752	-8104,275	8054,448	-3,813	-0,414
164,000	5,888	3,819	6163,910	16406,637	-9268,386	8038,083	-3,795	-0,437
164,492	5,888	3,819	7285,588	16446,791	-10521,229	8058,120	-3,779	-0,496
164,984	5,888	3,819	8405,368	16486,946	-11729,746	8078,157	-3,772	-0,536
165,476	5,888	3,819	9492,683	16527,101	-12893,570	8098,195	-3,767	-0,570
165,968	5,888	3,819	10503,866	16567,255	-14012,331	8118,230	-3,756	-0,618
166,460	5,888	3,819	11467,536	16607,410	-15085,663	8138,268	-3,745	-0,668
166,952	5,888	3,819	12413,150	16647,565	-16113,197	8158,305	-3,739	-0,704
167,444	5,888	3,819	13297,392	16687,720	-17094,566	8178,341	-3,730	-0,748

x [m]	A_c (m^2)	I_c (m^4)	$M_{qp,0}$[kN.m]	P_0 [kN]	P_0 x e [kN.m]	$M_{PE,Hip,0}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
167,936	5,888	3,819	14105,504	16727,874	-18029,402	8198,375	-3,715	-0,805
168,428	5,888	3,819	14907,976	16768,029	-18917,338	8218,411	-3,708	-0,843
168,920	5,888	3,819	15665,206	16808,184	-19758,005	8238,446	-3,702	-0,880
169,412	5,888	3,819	16331,545	16848,339	-20551,036	8258,481	-3,687	-0,938
169,904	5,888	3,819	16976,346	16888,493	-21296,063	8278,515	-3,678	-0,983
170,396	5,888	3,819	17591,743	16928,648	-21992,718	8298,549	-3,672	-1,019
170,888	5,888	3,819	18131,010	16968,803	-22640,633	8318,580	-3,661	-1,068
171,380	5,888	3,819	18617,598	17008,958	-23239,442	8338,617	-3,649	-1,119
171,872	5,888	3,819	19091,118	17049,112	-23788,775	8358,650	-3,644	-1,152
172,364	5,888	3,819	19503,268	17089,267	-24288,265	8378,682	-3,637	-1,191
172,856	5,888	3,819	19839,287	17129,422	-24737,545	8398,711	-3,625	-1,242
173,348	5,888	3,819	20162,841	17169,577	-25136,246	8418,745	-3,620	-1,275
173,840	5,888	3,819	20447,841	17209,731	-25484,002	8438,775	-3,619	-1,302
174,332	5,888	3,819	20641,949	17249,886	-25780,443	8458,806	-3,609	-1,348
174,824	5,888	3,819	20806,579	17290,041	-26025,203	8478,834	-3,603	-1,384
175,316	5,888	3,819	20949,649	17330,196	-26217,913	8498,864	-3,604	-1,405
175,808	5,888	3,819	21016,587	17370,350	-26358,206	8518,893	-3,600	-1,437
176,300	5,888	3,819	21022,156	17410,505	-26445,714	8538,921	-3,594	-1,473
176,797	5,888	3,819	21023,062	17442,170	-26466,646	8554,789	-3,598	-1,481
177,294	5,888	3,819	20960,758	17473,834	-26433,050	8570,655	-3,601	-1,492
177,791	5,888	3,819	20821,823	17505,499	-26344,630	8586,520	-3,599	-1,514
178,288	5,888	3,819	20635,332	17537,164	-26201,090	8602,382	-3,599	-1,532
178,785	5,888	3,819	20401,284	17568,828	-26002,135	8618,247	-3,601	-1,547
179,282	5,888	3,819	20153,095	17600,493	-25747,468	8634,108	-3,611	-1,541
179,779	5,888	3,819	19864,441	17632,158	-25436,794	8649,968	-3,624	-1,529
180,276	5,888	3,819	19528,231	17663,822	-25069,817	8665,828	-3,639	-1,512
180,773	5,888	3,819	19110,919	17695,487	-24646,240	8681,687	-3,649	-1,507
181,270	5,888	3,819	18634,867	17727,152	-24165,769	8697,544	-3,658	-1,503
181,767	5,888	3,819	18149,493	17758,816	-23628,106	8713,400	-3,677	-1,475
182,264	5,888	3,819	17600,861	17790,481	-23032,956	8729,255	-3,696	-1,451
182,761	5,888	3,819	16980,073	17822,145	-22380,024	8745,112	-3,711	-1,434
183,258	5,888	3,819	16334,913	17853,810	-21669,013	8760,962	-3,733	-1,400
183,755	5,888	3,819	15655,008	17885,475	-20899,628	8776,815	-3,760	-1,355

x [m]	A_c (m^2)	I_c (m^4)	$M_{qp,0}$[kN.m]	P_0 [kN]	P_0 x e [kN.m]	$M_{PE,Hip,0}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
184,252	5,888	3,819	14889,529	17917,139	-20071,590	8792,682	-3,781	-1,323
184,748	5,888	3,819	14085,131	17948,804	-19184,569	8808,535	-3,807	-1,282
185,245	5,888	3,819	13267,304	17980,469	-18238,285	8824,382	-3,842	-1,218
185,742	5,888	3,819	12363,901	18012,133	-17232,444	8840,232	-3,871	-1,167
186,239	5,888	3,819	11406,233	18043,798	-16166,748	8856,078	-3,902	-1,114
186,736	5,888	3,819	10438,559	18075,463	-15040,902	8871,926	-3,943	-1,036
187,233	5,888	3,819	9404,016	18107,127	-13854,611	8887,768	-3,982	-0,962
187,730	5,888	3,819	8301,788	18138,792	-12607,578	8903,613	-4,021	-0,891
188,227	5,888	3,819	7180,430	18170,457	-11299,507	8919,452	-4,068	-0,800
188,724	5,888	3,819	6032,014	18202,121	-9930,103	8935,297	-4,121	-0,692
189,221	5,888	3,819	4802,495	18233,786	-8499,069	8951,134	-4,171	-0,594
189,718	5,888	3,819	3537,640	18265,450	-7006,110	8966,972	-4,226	-0,483
190,215	5,888	3,819	-1808,180	18297,115	-5450,930	8982,809	-3,460	-2,287
190,712	5,888	3,819	-3119,621	18328,780	-3833,233	8998,646	-3,531	-2,138
191,209	5,888	3,819	-4476,407	18360,444	-2152,722	9014,479	-3,606	-1,982
191,706	5,888	3,819	-5884,305	18392,109	-409,103	9030,312	-3,683	-1,820
192,203	5,888	3,819	-7401,489	18423,774	1397,921	9046,144	-3,751	-1,680
192,700	5,888	3,819	-8966,230	18455,438	3268,646	9061,975	-3,822	-1,532
193,110	6,628	4,437	-10293,452	18368,350	4731,862	9020,614	-3,380	-1,353
193,520	6,628	4,437	-11656,099	18281,262	6027,136	8978,139	-3,348	-1,385
193,930	6,628	4,437	-13057,227	18194,174	7155,570	8935,656	-3,279	-1,501
194,340	6,628	4,437	-14499,894	18107,086	8119,378	8893,174	-3,174	-1,702
194,750	6,628	4,437	-15987,156	18019,998	8920,777	8850,685	-3,033	-1,987
195,160	8,120	5,521	-17522,068	17932,910	9561,982	8808,197	-2,329	-1,929
195,570	8,120	5,521	-19107,689	17845,822	10045,208	8765,703	-2,156	-2,296
195,980	8,120	5,521	-20747,074	17758,734	10372,671	8723,203	-1,954	-2,731
196,390	8,120	5,521	-22443,281	17671,646	10546,587	8680,705	-1,721	-3,236
196,800	8,120	5,521	-24199,643	17584,558	10569,170	8638,201	-1,459	-3,811
197,210	8,120	5,521	-22450,582	17497,470	10442,637	8594,379	-1,672	-3,280
197,620	8,120	5,521	-20761,398	17410,382	10169,203	8550,570	-1,855	-2,817
198,030	8,120	5,521	-19129,035	17323,294	9751,083	8506,768	-2,010	-2,421
198,440	8,120	5,521	-17550,437	17236,206	9190,493	8462,975	-2,137	-2,089
198,850	8,120	5,521	-16022,546	17149,118	8489,649	8419,192	-2,237	-1,820

x [m]	A_c (m^2)	I_c (m^4)	$M_{qp,0}$[kN.m]	P_0 [kN]	P_0 x e [kN.m]	$M_{PE,Hip,0}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
199,260	6,628	4,437	-14542,307	17062,029	7650,766	8375,423	-2,835	-1,966
199,670	6,628	4,437	-13106,662	16974,941	6676,059	8331,660	-2,896	-1,782
200,080	6,628	4,437	-11712,556	16887,853	5567,744	8287,907	-2,925	-1,669
200,490	6,628	4,437	-10356,932	16800,765	4328,037	8244,164	-2,925	-1,627
200,900	5,888	3,819	-9036,732	16713,677	2960,162	8199,422	-3,273	-1,827
201,356	5,888	3,819	-7608,373	16679,562	1404,291	8181,655	-3,237	-1,891
201,811	5,888	3,819	-6219,974	16645,446	-101,640	8163,857	-3,204	-1,950
202,267	5,888	3,819	-4916,993	16611,330	-1557,964	8146,094	-3,163	-2,025
202,722	5,888	3,819	-3668,915	16577,215	-2964,885	8128,301	-3,121	-2,104
203,178	5,888	3,819	-2458,939	16543,099	-4322,733	8110,542	-3,081	-2,177
203,633	5,888	3,819	2785,818	16508,983	-5631,715	8092,756	-3,877	-0,305
204,089	5,888	3,819	3938,499	16474,868	-6892,159	8075,000	-3,845	-0,359
204,544	5,888	3,819	5084,940	16440,752	-8104,275	8057,222	-3,822	-0,393
205,000	5,888	3,819	6191,420	16406,637	-9268,386	8039,471	-3,801	-0,423
205,492	5,888	3,819	7297,426	16446,791	-10521,229	8058,018	-3,782	-0,491
205,984	5,888	3,819	8399,870	16486,946	-11729,746	8076,556	-3,771	-0,539
206,476	5,888	3,819	9469,848	16527,101	-12893,570	8095,086	-3,762	-0,582
206,968	5,888	3,819	10463,694	16567,255	-14012,331	8113,609	-3,747	-0,640
207,460	5,888	3,819	11410,023	16607,410	-15085,663	8132,125	-3,732	-0,698
207,952	5,888	3,819	12338,299	16647,565	-16113,197	8150,632	-3,722	-0,743
208,444	5,888	3,819	13205,204	16687,720	-17094,566	8169,133	-3,709	-0,796
208,936	5,888	3,819	13995,978	16727,874	-18029,402	8187,628	-3,690	-0,862
209,428	5,888	3,819	14781,103	16768,029	-18917,338	8206,112	-3,680	-0,909
209,920	5,888	3,819	15520,994	16808,184	-19758,005	8224,591	-3,670	-0,955
210,412	5,888	3,819	16169,994	16848,339	-20551,036	8243,060	-3,651	-1,022
210,904	5,888	3,819	16797,446	16888,493	-21296,063	8261,522	-3,638	-1,076
211,396	5,888	3,819	17395,503	16928,648	-21992,718	8279,976	-3,628	-1,121
211,888	5,888	3,819	17917,427	16968,803	-22640,633	8298,421	-3,613	-1,179
212,380	5,888	3,819	18386,663	17008,958	-23239,442	8316,861	-3,597	-1,239
212,872	5,888	3,819	18842,842	17049,112	-23788,775	8335,294	-3,589	-1,281
213,364	5,888	3,819	19237,651	17089,267	-24288,265	8353,716	-3,578	-1,329
213,856	5,888	3,819	19556,329	17129,422	-24737,545	8372,133	-3,562	-1,389
214,348	5,888	3,819	19862,526	17169,577	-25136,246	8390,542	-3,553	-1,432

x [m]	A_c (m^2)	I_c (m^4)	$M_{qp,0}$[kN.m]	P_0 [kN]	P_0 x e [kN.m]	$M_{PE,Hip,0}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
214,840	5,888	3,819	20130,184	17209,731	-25484,002	8408,942	-3,547	-1,468
215,332	5,888	3,819	20306,951	17249,886	-25780,443	8427,334	-3,534	-1,523
215,824	5,888	3,819	20454,223	17290,041	-26025,203	8445,720	-3,524	-1,567
216,316	5,888	3,819	20579,950	17330,196	-26217,913	8464,095	-3,521	-1,597
216,808	5,888	3,819	20629,546	17370,350	-26358,206	8482,467	-3,513	-1,639
217,300	5,888	3,819	20617,772	17410,505	-26445,714	8500,829	-3,503	-1,684
217,797	5,888	3,819	20601,145	17442,170	-26466,646	8515,022	-3,504	-1,700
218,294	5,888	3,819	20521,322	17473,834	-26433,050	8529,213	-3,503	-1,721
218,791	5,888	3,819	20364,870	17505,499	-26344,630	8543,395	-3,497	-1,752
219,288	5,888	3,819	20187,602	17537,164	-26201,090	8557,569	-3,499	-1,767
219,785	5,888	3,819	19976,407	17568,828	-26002,135	8571,741	-3,504	-1,771
220,282	5,888	3,819	19675,164	17600,493	-25747,468	8585,902	-3,503	-1,792
220,779	5,888	3,819	19337,395	17632,158	-25436,794	8600,057	-3,506	-1,804
221,276	5,888	3,819	18983,666	17663,822	-25069,817	8614,204	-3,517	-1,796
221,773	5,888	3,819	18548,834	17695,487	-24646,240	8628,344	-3,523	-1,800
222,270	5,888	3,819	18055,263	17727,152	-24165,769	8642,478	-3,528	-1,805
222,767	5,888	3,819	17552,371	17758,816	-23628,106	8656,607	-3,544	-1,787
223,264	5,888	3,819	16986,220	17790,481	-23032,956	8670,728	-3,558	-1,772
223,761	5,888	3,819	16347,912	17822,145	-22380,024	8684,841	-3,569	-1,763
224,258	5,888	3,819	15685,244	17853,810	-21669,013	8698,947	-3,587	-1,739
224,755	5,888	3,819	14987,821	17885,475	-20899,628	8713,045	-3,610	-1,703
225,252	5,888	3,819	14204,822	17917,139	-20071,590	8727,156	-3,628	-1,681
225,748	5,888	3,819	13382,928	17948,804	-19184,569	8741,244	-3,649	-1,648
226,245	5,888	3,819	12547,582	17980,469	-18238,285	8755,323	-3,680	-1,594
226,742	5,888	3,819	11626,662	18012,133	-17232,444	8769,396	-3,706	-1,552
227,239	5,888	3,819	10651,475	18043,798	-16166,748	8783,462	-3,733	-1,508
227,736	5,888	3,819	9666,321	18075,463	-15040,902	8797,520	-3,770	-1,440
228,233	5,888	3,819	8614,260	18107,127	-13854,611	8811,570	-3,805	-1,374
228,730	5,888	3,819	7494,516	18138,792	-12607,578	8825,616	-3,840	-1,312
229,227	5,888	3,819	6356,345	18170,457	-11299,507	8839,654	-3,883	-1,230
229,724	5,888	3,819	5190,552	18202,121	-9930,103	8853,684	-3,933	-1,132
230,221	5,888	3,819	3943,656	18233,786	-8499,069	8867,707	-3,978	-1,043
230,718	5,888	3,819	2661,500	18265,450	-7006,110	8881,724	-4,030	-0,941

x [m]	A_c (m^2)	I_c (m^4)	$M_{qp,0}$[kN.m]	P_0 [kN]	P_0 x e [kN.m]	$M_{PE,Hip,0}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
231,215	5,888	3,819	-2453,883	18297,115	-5450,930	8895,732	-3,310	-2,635
231,712	5,888	3,819	-3777,829	18328,780	-3833,233	8909,735	-3,378	-2,494
232,209	5,888	3,819	-5147,119	18360,444	-2152,722	8923,729	-3,450	-2,345
232,706	5,888	3,819	-6569,466	18392,109	-409,103	8937,717	-3,524	-2,191
233,203	5,888	3,819	-8099,190	18423,774	1397,921	8951,697	-3,589	-2,057
233,700	5,888	3,819	-9676,471	18455,438	3268,646	8965,669	-3,657	-1,916
234,110	6,628	4,437	-11014,039	18368,350	4731,862	8923,374	-3,236	-1,689
234,520	6,628	4,437	-12387,031	18281,262	6027,136	8879,972	-3,202	-1,725
234,930	6,628	4,437	-13798,506	18194,174	7155,570	8836,580	-3,131	-1,846
235,340	6,628	4,437	-15251,518	18107,086	8119,378	8793,201	-3,024	-2,051
235,750	6,628	4,437	-16749,126	18019,998	8920,777	8749,829	-2,881	-2,341
236,160	8,120	5,521	-18294,384	17932,910	9561,982	8706,467	-2,205	-2,217
236,570	8,120	5,521	-19890,351	17845,822	10045,208	8663,115	-2,031	-2,587
236,980	8,120	5,521	-21540,082	17758,734	10372,671	8619,774	-1,827	-3,027
237,390	8,120	5,521	-23246,634	17671,646	10546,587	8576,442	-1,593	-3,535
237,800	8,120	5,521	-25016,940	17584,558	10569,170	8533,121	-1,329	-4,114
238,210	8,120	5,521	-23229,321	17497,470	10442,637	8494,754	-1,548	-3,569
238,620	8,120	5,521	-21501,580	17410,382	10169,203	8456,350	-1,737	-3,092
239,030	8,120	5,521	-19830,660	17323,294	9751,083	8417,906	-1,898	-2,681
239,440	8,120	5,521	-18213,504	17236,206	9190,493	8379,421	-2,032	-2,335
239,850	8,120	5,521	-16647,057	17149,118	8489,649	8340,898	-2,138	-2,052
240,260	6,628	4,437	-15128,260	17062,029	7650,766	8302,338	-2,719	-2,236
240,670	6,628	4,437	-13654,059	16974,941	6676,059	8263,735	-2,787	-2,034
241,080	6,628	4,437	-12221,395	16887,853	5567,744	8225,094	-2,825	-1,904
241,490	6,628	4,437	-10827,213	16800,765	4328,037	8186,415	-2,832	-1,843
241,900	5,888	3,819	-9468,456	16713,677	2960,162	8146,687	-3,174	-2,058
242,356	5,888	3,819	-7997,255	16679,562	1404,291	8134,252	-3,148	-2,099
242,811	5,888	3,819	-6566,016	16645,446	-101,640	8121,767	-3,124	-2,134
243,267	5,888	3,819	-5223,374	16611,330	-1557,964	8109,296	-3,093	-2,189
243,722	5,888	3,819	-3932,004	16577,215	-2964,885	8096,774	-3,061	-2,244
244,178	5,888	3,819	-2678,737	16543,099	-4322,733	8084,264	-3,031	-2,294
244,633	5,888	3,819	2547,528	16508,983	-5631,715	8071,707	-3,824	-0,428
245,089	5,888	3,819	3758,449	16474,868	-6892,159	8059,158	-3,805	-0,452

x [m]	A_c (m^2)	I_c (m^4)	$M_{qp,0}$[kN.m]	P_0 [kN]	P_0 x e [kN.m]	$M_{PE,Hip,0}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
245,544	5,888	3,819	4963,068	16440,752	-8104,275	8046,565	-3,795	-0,456
246,000	5,888	3,819	6127,726	16406,637	-9268,386	8033,978	-3,787	-0,456
246,492	5,888	3,819	7296,498	16446,791	-10521,229	8058,076	-3,782	-0,491
246,984	5,888	3,819	8455,999	16486,946	-11729,746	8082,194	-3,783	-0,510
247,476	5,888	3,819	9583,035	16527,101	-12893,570	8106,331	-3,787	-0,523
247,968	5,888	3,819	10633,939	16567,255	-14012,331	8130,488	-3,785	-0,550
248,460	5,888	3,819	11637,260	16607,410	-15085,663	8154,668	-3,783	-0,579
248,952	5,888	3,819	12622,577	16647,565	-16113,197	8178,864	-3,786	-0,594
249,444	5,888	3,819	13546,523	16687,720	-17094,566	8203,080	-3,786	-0,617
249,936	5,888	3,819	14394,338	16727,874	-18029,402	8227,316	-3,780	-0,654
250,428	5,888	3,819	15236,378	16768,029	-18917,338	8251,572	-3,782	-0,671
250,920	5,888	3,819	16033,295	16808,184	-19758,005	8275,845	-3,785	-0,687
251,412	5,888	3,819	16739,320	16848,339	-20551,036	8300,142	-3,779	-0,724
251,904	5,888	3,819	17423,632	16888,493	-21296,063	8324,457	-3,779	-0,748
252,396	5,888	3,819	18078,701	16928,648	-21992,718	8348,789	-3,782	-0,763
252,888	5,888	3,819	18657,638	16968,803	-22640,633	8373,142	-3,780	-0,791
253,380	5,888	3,819	19183,691	17008,958	-23239,442	8397,515	-3,776	-0,821
253,872	5,888	3,819	19696,867	17049,112	-23788,775	8421,909	-3,781	-0,833
254,364	5,888	3,819	20148,673	17089,267	-24288,265	8446,320	-3,783	-0,851
254,856	5,888	3,819	20524,348	17129,422	-24737,545	8470,751	-3,780	-0,881
255,348	5,888	3,819	20887,324	17169,577	-25136,246	8495,201	-3,784	-0,894
255,840	5,888	3,819	21211,966	17209,731	-25484,002	8519,669	-3,791	-0,900
256,332	5,888	3,819	21445,718	17249,886	-25780,443	8544,160	-3,790	-0,925
256,824	5,888	3,819	21649,758	17290,041	-26025,203	8568,669	-3,794	-0,939
257,316	5,888	3,819	21832,459	17330,196	-26217,913	8593,196	-3,804	-0,939
257,808	5,888	3,819	21939,030	17370,350	-26358,206	8617,742	-3,809	-0,950
258,300	5,888	3,819	21984,230	17410,505	-26445,714	8642,310	-3,812	-0,966
258,797	5,888	3,819	22024,949	17442,170	-26466,646	8662,726	-3,825	-0,952
259,294	5,888	3,819	22002,668	17473,834	-26433,050	8683,159	-3,837	-0,942
259,791	5,888	3,819	21903,757	17505,499	-26344,630	8703,604	-3,845	-0,943
260,288	5,888	3,819	21783,871	17537,164	-26201,090	8724,065	-3,859	-0,927
260,785	5,888	3,819	21630,211	17568,828	-26002,135	8744,539	-3,878	-0,901
261,282	5,888	3,819	21386,504	17600,493	-25747,468	8765,029	-3,890	-0,892

x [m]	A_c (m^2)	I_c (m^4)	$M_{qp,0}$[kN.m]	P_0 [kN]	P_0 x e [kN.m]	$M_{PE,Hip,0}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
261,779	5,888	3,819	21106,181	17632,158	-25436,794	8785,535	-3,905	-0,873
262,276	5,888	3,819	20809,985	17663,822	-25069,817	8806,054	-3,929	-0,835
262,773	5,888	3,819	20432,686	17695,487	-24646,240	8826,590	-3,949	-0,808
263,270	5,888	3,819	19996,648	17727,152	-24165,769	8847,140	-3,967	-0,783
263,767	5,888	3,819	19551,296	17758,816	-23628,106	8867,703	-3,996	-0,734
264,264	5,888	3,819	19042,678	17790,481	-23032,956	8888,282	-4,023	-0,689
264,761	5,888	3,819	18461,904	17822,145	-22380,024	8908,874	-4,047	-0,650
265,258	5,888	3,819	17856,907	17853,810	-21669,013	8929,482	-4,079	-0,595
265,755	5,888	3,819	17217,020	17885,475	-20899,628	8950,106	-4,115	-0,529
266,252	5,888	3,819	16491,558	17917,139	-20071,590	8970,761	-4,145	-0,476
266,748	5,888	3,819	15727,505	17948,804	-19184,569	8991,416	-4,180	-0,413
267,245	5,888	3,819	14949,704	17980,469	-18238,285	9012,082	-4,224	-0,328
267,742	5,888	3,819	14086,328	18012,133	-17232,444	9032,766	-4,263	-0,255
268,239	5,888	3,819	13168,685	18043,798	-16166,748	9053,462	-4,303	-0,180
268,736	5,888	3,819	12241,593	18075,463	-15040,902	9074,174	-4,353	-0,081
269,233	5,888	3,819	11247,089	18107,127	-13854,611	9094,901	-4,402	0,014
269,730	5,888	3,819	10184,900	18138,792	-12607,578	9115,643	-4,449	0,107
270,227	5,888	3,819	9113,672	18170,457	-11299,507	9136,398	-4,507	0,224
270,724	5,888	3,819	8005,665	18202,121	-9930,103	9157,168	-4,570	0,353
271,221	5,888	3,819	6816,555	18233,786	-8499,069	9177,951	-4,629	0,473
271,718	5,888	3,819	5593,239	18265,450	-7006,110	9198,752	-4,694	0,606
272,215	5,888	3,819	4352,061	18297,115	-5450,930	9219,567	-4,768	0,760
272,712	5,888	3,819	3020,836	18328,780	-3833,233	9240,393	-4,836	0,901
273,209	5,888	3,819	-2274,942	18360,444	-2152,722	9261,237	-4,107	-0,816
273,706	5,888	3,819	-3670,777	18392,109	-409,103	9282,095	-4,187	-0,646
274,203	5,888	3,819	-5147,600	18423,774	1397,921	9302,964	-4,264	-0,484
274,700	5,888	3,819	-6671,979	18455,438	3268,646	9323,852	-4,345	-0,315
275,110	6,628	4,437	-7965,903	18368,350	4731,862	9285,047	-3,836	-0,291
275,520	6,628	4,437	-9295,252	18281,262	6027,136	9245,087	-3,810	-0,308
275,930	6,628	4,437	-10663,082	18194,174	7155,570	9205,088	-3,748	-0,409
276,340	6,628	4,437	-12072,451	18107,086	8119,378	9165,050	-3,649	-0,595
276,750	6,628	4,437	-13526,415	18019,998	8920,777	9124,971	-3,514	-0,866
277,160	8,120	5,521	-15028,029	17932,910	9561,982	9084,855	-2,721	-1,016

x [m]	A_c (m^2)	I_c (m^4)	$M_{qp,0}$[kN.m]	P_0 [kN]	P_0 x e [kN.m]	$M_{PE,Hip,0}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
277,570	8,120	5,521	-16580,352	17845,822	10045,208	9044,699	-2,553	-1,371
277,980	8,120	5,521	-18204,094	17758,734	10372,671	9004,505	-2,353	-1,801
278,390	8,120	5,521	-19886,399	17671,646	10546,587	8964,269	-2,123	-2,300
278,800	8,120	5,521	-21628,581	17584,558	10569,170	8923,996	-1,864	-2,869
279,210	8,120	5,521	-19939,318	17497,470	10442,637	8768,795	-2,052	-2,395
279,620	8,120	5,521	-18309,932	17410,382	10169,203	8614,699	-2,211	-1,988
280,030	8,120	5,521	-16737,367	17323,294	9751,083	8461,708	-2,342	-1,647
280,440	8,120	5,521	-15218,567	17236,206	9190,493	8309,821	-2,446	-1,371
280,850	8,120	5,521	-13750,474	17149,118	8489,649	8159,038	-2,522	-1,157
281,260	6,628	4,437	-12330,033	17062,029	7650,766	8009,362	-3,160	-1,209
281,670	6,628	4,437	-10954,186	16974,941	6676,059	7860,787	-3,192	-1,092
282,080	6,628	4,437	-9619,878	16887,853	5567,744	7713,318	-3,192	-1,047
282,490	6,628	4,437	-8324,051	16800,765	4328,037	7566,954	-3,163	-1,071
282,900	5,888	3,819	-7067,173	16713,677	2960,162	7420,685	-3,516	-1,260
283,356	5,888	3,819	-5762,844	16679,562	1404,291	7288,034	-3,432	-1,438
283,811	5,888	3,819	-4496,616	16645,446	-101,640	7155,832	-3,350	-1,609
284,267	5,888	3,819	-3268,490	16611,330	-1557,964	7024,141	-3,271	-1,774
284,722	5,888	3,819	-2078,466	16577,215	-2964,885	6892,897	-3,194	-1,934
285,178	5,888	3,819	3213,904	16543,099	-4322,733	6762,163	-3,966	-0,117
285,633	5,888	3,819	4325,451	16508,983	-5631,715	6631,878	-3,893	-0,267
286,089	5,888	3,819	5389,982	16474,868	-6892,159	6502,102	-3,820	-0,417
286,544	5,888	3,819	6444,575	16440,752	-8104,275	6372,776	-3,756	-0,548
287,000	5,888	3,819	7459,207	16406,637	-9268,386	6243,957	-3,693	-0,674
287,492	5,888	3,819	8465,845	18528,128	-11852,688	6910,341	-3,867	-1,469
287,984	5,888	3,819	9457,426	18587,422	-13224,144	6790,998	-3,775	-1,716
288,476	5,888	3,819	10413,236	18646,716	-14547,181	6670,753	-3,686	-1,959
288,968	5,888	3,819	11292,915	18706,010	-15821,257	6549,601	-3,590	-2,214
289,460	5,888	3,819	12127,633	18765,304	-17045,827	6427,546	-3,496	-2,468
289,952	5,888	3,819	12941,606	18824,598	-18220,350	6304,584	-3,407	-2,708
290,444	5,888	3,819	13694,209	18883,892	-19344,281	6180,718	-3,316	-2,954
290,936	5,888	3,819	14370,891	18943,186	-20417,078	6055,948	-3,219	-3,212
291,428	5,888	3,819	15042,919	19002,480	-21438,198	5930,272	-3,132	-3,449
291,920	5,888	3,819	15668,336	19061,773	-22407,097	5803,692	-3,046	-3,683

x [m]	A_c (m^2)	I_c (m^4)	$M_{qp,0}$[kN.m]	P_0 [kN]	P_0 x e [kN.m]	$M_{PE,Hip,0}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
292,412	5,888	3,819	16202,862	19121,067	-23323,234	5676,207	-2,952	-3,935
292,904	5,888	3,819	16715,876	19180,361	-24186,064	5547,818	-2,864	-4,173
293,396	5,888	3,819	17199,247	19239,655	-24995,044	5418,522	-2,781	-4,400
293,888	5,888	3,819	17606,487	19298,949	-25749,632	5288,323	-2,694	-4,637
294,380	5,888	3,819	17959,277	19358,243	-26449,284	5157,217	-2,606	-4,875
294,872	5,888	3,819	18300,510	19417,537	-27093,458	5025,206	-2,527	-5,092
295,364	5,888	3,819	18580,372	19476,831	-27681,610	4892,292	-2,447	-5,312
295,856	5,888	3,819	18784,104	19536,125	-28213,198	4758,472	-2,363	-5,542
296,348	5,888	3,819	18971,038	19595,419	-28687,677	4623,747	-2,287	-5,753
296,840	5,888	3,819	19123,438	19654,713	-29104,506	4488,115	-2,215	-5,954
297,332	5,888	3,819	19184,947	19714,006	-29463,141	4351,579	-2,136	-6,171
297,824	5,888	3,819	19209,841	19773,300	-29763,039	4214,139	-2,062	-6,377
298,316	5,888	3,819	19219,943	19832,594	-30003,657	4075,794	-1,997	-6,563
298,808	5,888	3,819	19153,915	19891,888	-30184,451	3936,542	-1,928	-6,757
299,300	5,888	3,819	19026,516	19951,182	-30304,880	3796,385	-1,858	-6,952
299,782	5,888	3,819	18886,810	19911,533	-30198,144	3640,226	-1,813	-7,035
300,265	5,888	3,819	18699,765	19871,885	-29998,750	3484,657	-1,777	-7,096
300,747	5,888	3,819	18437,532	19832,236	-29707,262	3329,688	-1,745	-7,150
301,229	5,888	3,819	18137,363	19792,587	-29324,231	3175,312	-1,723	-7,177
301,712	5,888	3,819	17826,400	19752,938	-28850,215	3021,533	-1,718	-7,166
302,194	5,888	3,819	17431,565	19713,290	-28285,757	2868,338	-1,715	-7,151
302,676	5,888	3,819	16987,588	19673,641	-27631,434	2715,749	-1,720	-7,117
303,159	5,888	3,819	16522,424	19633,992	-26887,791	2563,755	-1,739	-7,050
303,641	5,888	3,819	16007,963	19594,343	-26055,369	2412,341	-1,766	-6,964
304,124	5,888	3,819	15426,994	19554,695	-25134,754	2261,536	-1,798	-6,867
304,606	5,888	3,819	14801,225	19515,046	-24126,488	2111,327	-1,839	-6,750
305,088	5,888	3,819	14166,171	19475,397	-23031,103	1961,691	-1,896	-6,595
305,571	5,888	3,819	13448,170	19435,748	-21849,198	1812,671	-1,954	-6,439
306,053	5,888	3,819	12685,368	19396,100	-20581,309	1664,246	-2,020	-6,262
306,535	5,888	3,819	11892,710	19356,451	-19227,990	1516,417	-2,097	-6,059
307,018	5,888	3,819	11050,666	19316,802	-17789,768	1369,156	-2,183	-5,838
307,500	6,628	4,437	10150,799	19277,153	-16267,257	1222,515	-2,047	-4,915
307,910	6,628	4,437	9349,996	19237,505	-14902,628	1097,992	-2,118	-4,729

x [m]	A_c (m^2)	I_c (m^4)	$M_{qp,0}$[kN.m]	P_0 [kN]	P_0 x e [kN.m]	$M_{PE,Hip,0}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
308,320	6,628	4,437	8530,956	19197,856	-13478,684	973,974	-2,197	-4,526
308,730	6,628	4,437	7650,694	19158,207	-11995,827	850,460	-2,275	-4,323
309,140	6,628	4,437	6725,625	19118,558	-10454,459	727,451	-2,356	-4,115
309,550	8,120	5,521	5751,603	19078,910	-8854,982	604,948	-1,996	-3,173
309,960	8,120	5,521	4733,655	19039,261	-7197,796	482,948	-2,065	-2,998
310,370	8,120	5,521	3646,876	18999,612	-5483,303	361,454	-2,131	-2,826
310,780	8,120	5,521	2498,505	18959,963	-3711,906	240,465	-2,197	-2,656
311,190	8,120	5,521	1284,295	18920,315	-1884,004	119,980	-2,262	-2,488
311,600	8,120	5,521	0,000	18880,666	0,000	0,000	-2,325	-2,325

ANEXO E – Estado Limite de Descompressão – Longo Prazo

v_{sup} [m]	v_{inf} [m]	f_{ctm} [MPa]	f_{ctk} [MPa]
0,781	**1,819**	**3,2**	**2,2**

x [m]	A_c (m^2)	I_c (m^4)	$M_{qp,\infty}$ [kN.m]	P_∞ [kN]	P_∞ x e [kN.m]	$M_{PE,Hip,\infty}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
0,000	8,120	5,521	0,000	14613,523	0,000	0,000	-1,800	-1,800
0,410	8,120	5,521	1196,700	14655,296	-1459,312	140,654	-1,788	-1,845
0,820	8,120	5,521	2323,718	14696,318	-2877,186	282,097	-1,772	-1,899
1,230	8,120	5,521	3385,200	14736,381	-4252,931	424,302	-1,752	-1,961
1,640	8,120	5,521	4385,291	14775,362	-5585,828	567,235	-1,730	-2,028
2,050	8,120	5,521	5316,653	14813,025	-6875,082	710,854	-1,704	-2,104
2,460	6,628	4,437	6202,077	14758,418	-8070,236	851,880	-2,048	-2,643
2,870	6,628	4,437	7040,238	14792,619	-9262,333	996,168	-2,016	-2,734
3,280	6,628	4,437	7833,593	14825,768	-10409,071	1141,034	-1,984	-2,825
3,690	6,628	4,437	8565,725	14857,408	-11509,518	1286,409	-1,950	-2,921
4,100	6,628	4,437	9279,620	14889,080	-12564,329	1432,399	-1,920	-3,006
4,582	5,888	3,819	10075,039	14849,449	-13675,569	1598,840	-2,113	-3,475
5,065	5,888	3,819	10814,606	14877,333	-14778,598	1770,484	-2,078	-3,571
5,547	5,888	3,819	11504,788	14905,382	-15816,183	1942,762	-2,047	-3,659
6,029	5,888	3,819	12165,113	14934,930	-16789,487	2115,891	-2,023	-3,731
6,512	5,888	3,819	12780,638	14965,494	-17697,807	2289,849	-2,004	-3,793
6,994	5,888	3,819	13313,216	14995,024	-18538,376	2464,347	-1,982	-3,861
7,476	5,888	3,819	13836,509	15028,025	-19316,370	2640,112	-1,972	-3,905
7,959	5,888	3,819	14315,001	15062,630	-20029,371	2816,927	-1,966	-3,938
8,441	5,888	3,819	14726,986	15097,580	-20675,397	2994,609	-1,960	-3,971
8,924	5,888	3,819	15089,674	15134,048	-21255,620	3173,392	-1,958	-3,995
9,406	5,888	3,819	15431,174	15174,018	-21772,549	3353,778	-1,966	-4,000
9,888	5,888	3,819	15723,532	15215,749	-22223,409	3535,492	-1,978	-3,996
10,371	5,888	3,819	15932,019	15256,907	-22604,274	3718,004	-1,987	-3,998
10,853	5,888	3,819	16129,712	15302,532	-22922,091	3902,593	-2,008	-3,975
11,335	5,888	3,819	16289,469	15350,818	-23173,713	4088,928	-2,035	-3,938
11,818	5,888	3,819	16374,037	15399,174	-23354,628	4276,381	-2,062	-3,903
12,300	5,888	3,819	16411,267	15449,524	-23467,080	4465,509	-2,094	-3,857
12,756	5,888	3,819	16434,044	15481,617	-23495,567	4640,541	-2,134	-3,782

x [m]	A_c (m^2)	I_c (m^4)	$M_{qp,\infty}$ [kN.m]	P_∞ [kN]	P_∞ x e [kN.m]	$M_{PE,Hip,\infty}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
13,211	5,888	3,819	16408,660	15480,037	-23432,392	4805,806	-2,175	-3,685
13,667	5,888	3,819	16310,514	15509,451	-23375,431	4980,991	-2,208	-3,626
14,122	5,888	3,819	16191,838	15506,938	-23229,589	5146,209	-2,247	-3,534
14,578	5,888	3,819	16052,488	15539,035	-23094,646	5323,225	-2,288	-3,458
15,033	5,888	3,819	15848,576	15535,916	-22866,365	5488,491	-2,326	-3,367
15,489	5,888	3,819	15588,303	15565,006	-22644,372	5665,406	-2,359	-3,306
15,944	5,888	3,819	15317,213	15562,292	-22334,935	5831,033	-2,400	-3,208
16,400	5,888	3,819	15015,805	15593,589	-22032,926	6009,701	-2,442	-3,128
16,892	5,888	3,819	14601,120	15588,963	-21605,997	6188,163	-2,480	-3,036
17,384	5,888	3,819	14146,895	15618,259	-21177,735	6380,372	-2,519	-2,962
17,876	5,888	3,819	13680,962	15615,219	-20657,169	6559,674	-2,567	-2,850
18,368	5,888	3,819	13138,899	15643,833	-20129,870	6752,567	-2,608	-2,770
18,860	5,888	3,819	12535,465	15636,556	-19507,882	6930,213	-2,647	-2,676
19,352	5,888	3,819	11916,409	15664,804	-18881,568	7123,844	-2,693	-2,585
19,844	5,888	3,819	11247,064	15657,280	-18163,461	7301,445	-2,738	-2,476
20,336	5,888	3,819	10501,584	15681,885	-17433,978	7494,225	-2,778	-2,396
20,828	5,888	3,819	9723,337	15671,238	-16616,785	7670,317	-2,820	-2,291
21,320	5,888	3,819	8926,802	15695,922	-15788,417	7863,862	-2,871	-2,188
21,812	5,888	3,819	8039,377	15681,761	-14872,526	8038,064	-2,910	-2,089
22,304	5,888	3,819	7105,341	15701,695	-13940,703	8229,808	-2,952	-2,003
22,796	5,888	3,819	6164,654	15686,210	-12929,276	8403,038	-2,999	-1,884
23,288	5,888	3,819	5150,148	15703,604	-11896,885	8593,902	-3,045	-1,787
23,780	5,888	3,819	4074,276	15682,750	-10787,871	8763,791	-3,083	-1,687
24,272	5,888	3,819	2976,764	15696,920	-9655,494	8953,172	-3,131	-1,583
24,764	5,888	3,819	-2318,283	15672,849	-8452,467	9120,627	-2,324	-3,448
25,256	5,888	3,819	-3518,741	15682,077	-7220,647	9307,286	-2,370	-3,345
25,748	5,888	3,819	-4763,641	15652,991	-5924,965	9470,973	-2,409	-3,238
26,240	5,888	3,819	-6052,983	15594,410	-4577,692	9615,799	-2,441	-3,132
26,732	5,888	3,819	-7386,766	15579,583	-3201,937	9786,755	-2,482	-3,028
27,224	5,888	3,819	-8764,992	15599,427	-1785,243	9979,547	-2,533	-2,921
27,716	5,888	3,819	-10187,659	15580,856	-316,469	10147,774	-2,573	-2,816
28,208	5,888	3,819	-11654,767	15596,598	1198,956	10338,315	-2,625	-2,705
28,700	5,888	3,819	-13166,318	16486,698	2919,962	11118,901	-2,978	-2,384

x [m]	A_c (m^2)	I_c (m^4)	$M_{qp,\infty}$ [kN.m]	P_∞ [kN]	P_∞ x e [kN.m]	$M_{PE,Hip,\infty}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
29,110	6,628	4,437	-14496,294	16474,849	4244,078	11255,285	-2,662	-2,074
29,520	6,628	4,437	-15879,025	16395,825	5405,528	11359,074	-2,630	-2,111
29,930	6,628	4,437	-17300,236	16321,179	6418,941	11464,416	-2,565	-2,223
30,340	6,628	4,437	-18762,986	16252,133	7287,601	11572,308	-2,469	-2,412
30,750	6,628	4,437	-20270,331	16189,489	8014,586	11683,491	-2,342	-2,677
31,160	8,120	5,521	-21799,640	16223,916	8650,732	11836,683	-1,812	-2,430
31,570	8,120	5,521	-23405,005	16168,576	9101,106	11951,530	-1,659	-2,766
31,980	8,120	5,521	-25064,136	16118,314	9414,521	12069,117	-1,479	-3,165
32,390	8,120	5,521	-26780,087	16072,482	9592,193	12189,098	-1,272	-3,626
32,800	8,120	5,521	-28555,916	16030,106	9634,869	12310,851	-1,039	-4,152
33,210	8,120	5,521	-26780,361	15917,084	9499,450	12205,452	-1,242	-3,633
33,620	8,120	5,521	-25066,752	15807,448	9232,948	12102,909	-1,419	-3,176
34,030	8,120	5,521	-23413,029	15702,112	8838,538	12003,907	-1,570	-2,781
34,440	8,120	5,521	-21829,039	15601,904	8319,070	11909,067	-1,695	-2,449
34,850	8,120	5,521	-20322,983	15498,665	7672,595	11839,543	-1,794	-2,176
35,260	6,628	4,437	-18837,389	15323,655	6871,263	11687,837	-2,263	-2,426
35,670	6,628	4,437	-17396,390	15237,056	5992,567	11603,870	-2,334	-2,217
36,080	6,628	4,437	-15996,929	15155,953	4996,755	11524,286	-2,379	-2,072
36,490	6,628	4,437	-14635,950	15079,414	3884,600	11448,357	-2,398	-1,989
36,900	5,888	3,819	-13310,396	14948,700	2647,567	11330,639	-2,675	-2,221
37,356	5,888	3,819	-11892,106	14919,593	1256,115	11304,169	-2,670	-2,216
37,811	5,888	3,819	-10497,783	14897,446	-90,966	11267,895	-2,669	-2,207
38,267	5,888	3,819	-9160,052	14875,579	-1395,169	11231,919	-2,665	-2,204
38,722	5,888	3,819	-7906,568	14853,498	-2656,593	11195,808	-2,652	-2,221
39,178	5,888	3,819	-6691,186	14831,256	-3875,426	11159,661	-2,640	-2,236
39,633	5,888	3,819	-5513,906	14881,405	-5076,499	11177,919	-2,647	-2,248
40,089	5,888	3,819	-4374,728	14875,425	-6223,042	11153,983	-2,640	-2,261
40,544	5,888	3,819	-3273,651	14869,626	-7329,807	11130,172	-2,633	-2,274
41,000	5,888	3,819	-2210,675	14863,346	-8396,555	11106,040	-2,626	-2,287
41,492	5,888	3,819	3069,437	14923,840	-9546,977	11130,156	-3,486	-0,319
41,984	5,888	3,819	4170,948	14984,301	-10660,680	11154,075	-3,499	-0,323
42,476	5,888	3,819	5249,852	15044,534	-11736,949	11177,651	-3,514	-0,321
42,968	5,888	3,819	6252,625	15102,394	-12773,374	11199,297	-3,522	-0,337

x [m]	A_c (m^2)	I_c (m^4)	$M_{qp,\infty}$ [kN.m]	P_∞ [kN]	P_∞ x e [kN.m]	$M_{PE,Hip,\infty}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
43,460	5,888	3,819	7207,342	15158,841	-13769,827	11219,730	-3,527	-0,356
43,952	5,888	3,819	8144,557	15215,307	-14726,912	11240,017	-3,536	-0,366
44,444	5,888	3,819	9020,402	15269,764	-15642,040	11258,660	-3,541	-0,385
44,936	5,888	3,819	9820,116	15321,310	-16513,399	11275,006	-3,539	-0,420
45,428	5,888	3,819	10613,873	15373,634	-17344,210	11291,775	-3,544	-0,439
45,920	5,888	3,819	11362,713	15424,774	-18131,808	11307,527	-3,548	-0,458
46,412	5,888	3,819	12020,662	15472,048	-18872,282	11320,303	-3,541	-0,499
46,904	5,888	3,819	12656,929	15519,450	-19569,725	11333,039	-3,540	-0,531
47,396	5,888	3,819	13263,941	15566,670	-20223,314	11345,505	-3,541	-0,555
47,888	5,888	3,819	13794,822	15610,847	-20828,780	11355,621	-3,535	-0,593
48,380	5,888	3,819	14264,332	15652,865	-21386,604	11364,044	-3,526	-0,638
48,872	5,888	3,819	14687,232	15693,694	-21897,548	11371,484	-3,516	-0,684
49,364	5,888	3,819	15091,761	15735,270	-22363,886	11379,348	-3,512	-0,716
49,856	5,888	3,819	15461,593	15776,620	-22783,889	11386,928	-3,511	-0,744
50,348	5,888	3,819	15784,814	15817,001	-23156,077	11393,692	-3,509	-0,771
50,840	5,888	3,819	16061,425	15856,455	-23480,083	11399,673	-3,507	-0,797
51,332	5,888	3,819	16247,145	15891,958	-23750,982	11402,705	-3,496	-0,842
51,824	5,888	3,819	16403,570	15927,782	-23974,712	11405,865	-3,489	-0,879
52,316	5,888	3,819	16538,246	15964,514	-24151,848	11409,570	-3,487	-0,903
52,808	5,888	3,819	16596,754	15998,404	-24276,380	11411,142	-3,480	-0,940
53,300	5,888	3,819	16594,158	16030,529	-24349,598	11411,360	-3,470	-0,981
53,797	5,888	3,819	16586,576	16057,832	-24366,060	11407,830	-3,469	-0,999
54,294	5,888	3,819	16515,784	16083,343	-24329,624	11402,949	-3,465	-1,022
54,791	5,888	3,819	16368,361	16106,159	-24238,714	11396,086	-3,456	-1,056
55,288	5,888	3,819	16200,358	16130,201	-24099,042	11390,021	-3,453	-1,077
55,785	5,888	3,819	15998,182	16154,518	-23908,935	11384,081	-3,454	-1,089
56,282	5,888	3,819	15705,958	16175,292	-23662,566	11375,576	-3,446	-1,119
56,779	5,888	3,819	15377,437	16196,233	-23365,277	11367,127	-3,442	-1,141
57,276	5,888	3,819	15032,714	16218,655	-23018,728	11359,652	-3,444	-1,148
57,773	5,888	3,819	14606,889	16238,217	-22616,557	11350,113	-3,441	-1,167
58,270	5,888	3,819	14122,324	16256,452	-22160,901	11339,591	-3,436	-1,189
58,767	5,888	3,819	13628,628	16276,527	-21655,921	11330,295	-3,440	-1,191
59,264	5,888	3,819	13071,468	16294,917	-21096,682	11319,768	-3,441	-1,198

x [m]	A_c (m^2)	I_c (m^4)	$M_{qp,\infty}$ [kN.m]	P_∞ [kN]	P_∞ x e [kN.m]	$M_{PE,Hip,\infty}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
59,761	5,888	3,819	12442,152	16311,137	-20482,587	11307,682	-3,438	-1,214
60,258	5,888	3,819	11788,622	16328,092	-19817,262	11296,056	-3,441	-1,217
60,755	5,888	3,819	11100,173	16345,021	-19099,568	11284,362	-3,448	-1,211
61,252	5,888	3,819	10326,149	16359,028	-18326,123	11270,623	-3,447	-1,221
61,748	5,888	3,819	9513,322	16372,770	-17500,026	11256,641	-3,449	-1,223
62,245	5,888	3,819	8686,934	16387,415	-16622,389	11243,237	-3,459	-1,208
62,742	5,888	3,819	7774,970	16399,211	-15689,339	11227,840	-3,463	-1,207
63,239	5,888	3,819	6808,741	16409,804	-14702,734	11211,584	-3,465	-1,207
63,736	5,888	3,819	5832,553	16421,061	-13664,247	11195,749	-3,477	-1,187
64,233	5,888	3,819	4789,431	16430,347	-12571,628	11178,538	-3,485	-1,173
64,730	5,888	3,819	3678,624	16437,741	-11425,243	11160,015	-3,490	-1,166
65,227	5,888	3,819	2546,807	16444,879	-10226,437	11141,296	-3,501	-1,144
65,724	5,888	3,819	-2775,378	16451,047	-8974,811	11121,897	-2,665	-3,093
66,221	5,888	3,819	-3951,229	16454,821	-7669,864	11100,863	-2,688	-3,042
66,718	5,888	3,819	-5172,425	16457,449	-6312,612	11079,043	-2,712	-2,988
67,215	5,888	3,819	-6438,965	16396,394	-4884,683	11014,437	-2,721	-2,932
67,712	5,888	3,819	-7750,848	16414,912	-3432,971	11003,342	-2,751	-2,874
68,209	5,888	3,819	-9108,076	16431,893	-1926,604	10991,165	-2,782	-2,811
68,706	5,888	3,819	-10512,443	16447,161	-365,841	10977,792	-2,814	-2,746
69,203	5,888	3,819	-12029,538	16460,832	1248,981	10963,312	-2,833	-2,709
69,700	5,888	3,819	-13594,189	16473,206	2917,572	10947,927	-2,853	-2,668
70,110	6,628	4,437	-14903,569	16459,858	4240,216	10909,373	-2,527	-2,383
70,520	6,628	4,437	-16266,121	16378,852	5399,932	10836,424	-2,466	-2,483
70,930	6,628	4,437	-17667,154	16303,543	6412,005	10767,428	-2,374	-2,660
71,340	6,628	4,437	-19109,725	16234,965	7279,903	10703,045	-2,251	-2,911
71,750	6,628	4,437	-20596,891	16173,737	8006,788	10643,659	-2,098	-3,238
72,160	8,120	5,521	-22101,068	16213,129	8644,980	10632,075	-1,597	-2,927
72,570	8,120	5,521	-23686,555	16160,003	9096,280	10578,343	-1,423	-3,312
72,980	8,120	5,521	-25325,808	16112,305	9411,011	10528,282	-1,222	-3,759
73,390	8,120	5,521	-27021,881	16069,261	9590,270	10481,367	-0,996	-4,269
73,800	8,120	5,521	-28777,831	16029,772	9634,669	10436,869	-0,743	-4,843
74,210	8,120	5,521	-27015,713	15917,066	9499,439	10368,382	-0,949	-4,315
74,620	8,120	5,521	-25317,348	15807,774	9233,138	10302,052	-1,129	-3,852

x [m]	A_c (m^2)	I_c (m^4)	$M_{qp,\infty}$ [kN.m]	P_∞ [kN]	P_∞ x e [kN.m]	$M_{PE,Hip,\infty}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
75,030	8,120	5,521	-23675,805	15702,697	8838,868	10238,401	-1,283	-3,449
75,440	8,120	5,521	-22088,026	15602,416	8319,343	10177,813	-1,414	-3,105
75,850	8,120	5,521	-20581,734	15499,111	7672,816	10132,562	-1,516	-2,824
76,260	6,628	4,437	-19092,312	15324,110	6871,467	10022,900	-1,925	-3,213
76,670	6,628	4,437	-17647,485	15237,416	5992,709	9970,914	-2,003	-2,989
77,080	6,628	4,437	-16244,196	15156,224	4996,844	9922,477	-2,053	-2,830
77,490	6,628	4,437	-14879,388	15079,601	3884,649	9876,981	-2,078	-2,733
77,900	5,888	3,819	-13550,006	14948,830	2647,590	9795,050	-2,312	-3,066
78,356	5,888	3,819	-12129,393	14919,649	1256,120	9791,003	-2,313	-3,049
78,811	5,888	3,819	-10730,790	14897,442	-90,966	9781,610	-2,317	-3,025
79,267	5,888	3,819	-9415,293	14875,398	-1395,152	9772,337	-2,314	-3,021
79,722	5,888	3,819	-8157,080	14853,170	-2656,534	9762,898	-2,308	-3,023
80,178	5,888	3,819	-6936,969	14830,802	-3875,307	9753,378	-2,302	-3,023
80,633	5,888	3,819	-5754,959	14876,871	-5074,952	9788,844	-2,314	-3,022
81,089	5,888	3,819	-4611,052	14870,034	-6220,787	9789,537	-2,312	-3,022
81,544	5,888	3,819	-3505,245	14863,448	-7326,762	9790,363	-2,311	-3,020
82,000	5,888	3,819	-2437,541	14856,468	-8392,669	9790,949	-2,311	-3,018
82,492	5,888	3,819	2643,230	14916,264	-9542,131	9835,964	-3,134	-1,134
82,984	5,888	3,819	3763,302	14976,445	-10655,091	9881,276	-3,155	-1,120
83,476	5,888	3,819	4851,436	15036,170	-11730,424	9926,330	-3,177	-1,102
83,968	5,888	3,819	5863,438	15093,597	-12765,933	9969,908	-3,191	-1,102
84,460	5,888	3,819	6827,889	15149,705	-13761,528	10012,658	-3,202	-1,107
84,952	5,888	3,819	7774,322	15205,876	-14717,785	10055,488	-3,219	-1,100
85,444	5,888	3,819	8659,385	15260,103	-15632,145	10097,073	-3,231	-1,104
85,936	5,888	3,819	9468,318	15311,479	-16502,803	10136,810	-3,235	-1,123
86,428	5,888	3,819	10271,587	15363,703	-17333,007	10177,145	-3,246	-1,125
86,920	5,888	3,819	11029,638	15414,779	-18120,059	10216,755	-3,257	-1,129
87,412	5,888	3,819	11696,797	15462,037	-18860,072	10253,871	-3,258	-1,154
87,904	5,888	3,819	12342,410	15509,476	-19557,148	10291,140	-3,263	-1,169
88,396	5,888	3,819	12958,629	15556,765	-20210,447	10328,342	-3,271	-1,177
88,888	5,888	3,819	13498,717	15601,050	-20815,709	10363,584	-3,273	-1,199
89,380	5,888	3,819	13986,127	15643,772	-21374,180	10397,817	-3,272	-1,223
89,872	5,888	3,819	14460,468	15687,556	-21888,984	10432,788	-3,279	-1,233

x [m]	A_c (m^2)	I_c (m^4)	$M_{qp,\infty}$ [kN.m]	P_∞ [kN]	P_∞ x e [kN.m]	$M_{PE,Hip,\infty}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
90,364	5,888	3,819	14873,439	15729,334	-22355,449	10466,453	-3,282	-1,250
90,856	5,888	3,819	15210,280	15768,112	-22771,603	10498,151	-3,278	-1,279
91,348	5,888	3,819	15534,663	15808,208	-23143,203	10530,755	-3,282	-1,293
91,840	5,888	3,819	15820,484	15847,940	-23467,475	10563,143	-3,288	-1,303
92,332	5,888	3,819	16015,414	15883,743	-23738,703	10592,939	-3,284	-1,331
92,824	5,888	3,819	16180,877	15919,871	-23962,805	10622,976	-3,285	-1,351
93,316	5,888	3,819	16324,768	15956,939	-24140,387	10653,667	-3,290	-1,358
93,808	5,888	3,819	16392,527	15991,179	-24265,417	10682,493	-3,290	-1,378
94,300	5,888	3,819	16398,932	16023,652	-24339,151	10710,162	-3,288	-1,402
94,797	5,888	3,819	16400,667	16051,337	-24356,205	10734,713	-3,294	-1,402
95,294	5,888	3,819	16339,192	16077,242	-24320,394	10758,091	-3,298	-1,408
95,791	5,888	3,819	16201,086	16100,458	-24230,136	10779,685	-3,297	-1,424
96,288	5,888	3,819	16042,193	16124,893	-24091,113	10802,112	-3,301	-1,427
96,785	5,888	3,819	15849,344	16149,623	-23901,690	10824,753	-3,310	-1,422
97,282	5,888	3,819	15566,448	16170,813	-23656,014	10845,037	-3,310	-1,434
97,779	5,888	3,819	15247,049	16192,157	-23359,396	10865,437	-3,313	-1,439
98,276	5,888	3,819	14911,665	16214,996	-23013,535	10886,855	-3,323	-1,427
98,773	5,888	3,819	14495,179	16234,973	-22612,040	10906,366	-3,328	-1,429
99,270	5,888	3,819	14019,954	16253,619	-22157,040	10924,995	-3,330	-1,433
99,767	5,888	3,819	13535,421	16274,089	-21652,676	10944,862	-3,342	-1,417
100,264	5,888	3,819	12987,615	16292,876	-21094,039	10963,610	-3,351	-1,406
100,761	5,888	3,819	12367,652	16309,483	-20480,510	10980,903	-3,356	-1,404
101,258	5,888	3,819	11723,328	16326,804	-19815,699	10998,687	-3,367	-1,389
101,755	5,888	3,819	11044,248	16344,093	-19098,484	11016,461	-3,381	-1,365
102,252	5,888	3,819	10279,593	16358,442	-18325,467	11032,279	-3,389	-1,356
102,748	5,888	3,819	9476,027	16372,499	-17499,736	11047,893	-3,399	-1,340
103,245	5,888	3,819	8659,023	16387,442	-16622,416	11064,114	-3,417	-1,306
103,742	5,888	3,819	7756,443	16399,509	-15689,624	11078,401	-3,428	-1,287
104,239	5,888	3,819	6799,598	16410,342	-14703,216	11091,861	-3,439	-1,269
104,736	5,888	3,819	5832,749	16421,804	-13664,865	11105,752	-3,458	-1,230
105,233	5,888	3,819	4799,027	16431,259	-12572,326	11118,292	-3,475	-1,197
105,730	5,888	3,819	3697,621	16438,780	-11425,965	11129,529	-3,487	-1,172
106,227	5,888	3,819	2576,539	16446,042	-10227,160	11140,592	-3,507	-1,131

x [m]	A_c (m^2)	I_c (m^4)	$M_{qp,\infty}$ [kN.m]	P_∞ [kN]	P_∞ x e [kN.m]	$M_{PE,Hip,\infty}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
106,724	5,888	3,819	-2751,534	16452,402	-8975,550	11151,047	-2,676	-3,068
107,221	5,888	3,819	-3928,392	16456,267	-7670,538	11159,814	-2,705	-3,004
107,718	5,888	3,819	-5150,593	16458,879	-6313,161	11167,730	-2,735	-2,936
108,215	5,888	3,819	-6418,140	16396,597	-4884,743	11131,590	-2,750	-2,866
108,712	5,888	3,819	-7731,030	16415,004	-3432,991	11150,211	-2,785	-2,794
109,209	5,888	3,819	-9089,264	16431,917	-1926,607	11167,829	-2,822	-2,718
109,706	5,888	3,819	-10498,185	16447,156	-365,841	11184,320	-2,859	-2,641
110,203	5,888	3,819	-12016,777	16460,869	1248,984	11199,780	-2,884	-2,590
110,700	5,888	3,819	-13582,925	16473,340	2917,596	11214,403	-2,910	-2,536
111,110	6,628	4,437	-14893,464	16460,069	4240,270	11198,887	-2,579	-2,260
111,520	6,628	4,437	-16257,274	16379,179	5400,040	11148,920	-2,523	-2,352
111,930	6,628	4,437	-17659,565	16304,000	6412,185	11102,792	-2,434	-2,519
112,340	6,628	4,437	-19103,395	16235,563	7280,171	11061,211	-2,315	-2,762
112,750	6,628	4,437	-20591,819	16174,482	8007,157	11024,599	-2,166	-3,080
113,160	8,120	5,521	-22097,321	16213,841	8645,360	11035,005	-1,655	-2,793
113,570	8,120	5,521	-23684,107	16160,834	9096,748	11003,891	-1,483	-3,171
113,980	8,120	5,521	-25324,657	16113,249	9411,563	10976,438	-1,286	-3,611
114,390	8,120	5,521	-27022,028	16070,310	9590,896	10952,121	-1,063	-4,114
114,800	8,120	5,521	-28779,277	16030,915	9635,356	10930,194	-0,812	-4,681
115,210	8,120	5,521	-27020,866	15918,274	9500,160	10851,730	-1,017	-4,158
115,620	8,120	5,521	-25322,612	15808,954	9233,827	10775,553	-1,195	-3,698
116,030	8,120	5,521	-23681,178	15703,833	8839,507	10702,261	-1,348	-3,298
116,440	8,120	5,521	-22093,509	15603,490	8319,916	10632,246	-1,477	-2,957
116,850	8,120	5,521	-20587,104	15500,128	7673,319	10580,770	-1,579	-2,678
117,260	6,628	4,437	-19097,792	15325,245	6871,976	10459,778	-2,001	-3,036
117,670	6,628	4,437	-17653,075	15238,412	5993,101	10398,907	-2,077	-2,816
118,080	6,628	4,437	-16249,896	15157,058	4997,119	10341,794	-2,126	-2,660
118,490	6,628	4,437	-14885,199	15080,253	3884,817	10287,799	-2,150	-2,567
118,900	5,888	3,819	-13555,927	14949,348	2647,681	10196,016	-2,393	-2,878
119,356	5,888	3,819	-12135,308	14919,898	1256,141	10185,770	-2,392	-2,864
119,811	5,888	3,819	-10736,828	14897,424	-90,966	10168,712	-2,395	-2,844
120,267	5,888	3,819	-9423,371	14875,112	-1395,125	10151,797	-2,390	-2,844
120,722	5,888	3,819	-8165,248	14852,627	-2656,437	10134,740	-2,382	-2,850

x [m]	A_c (m^2)	I_c (m^4)	$M_{qp,\infty}$ [kN.m]	P_∞ [kN]	P_∞ x e [kN.m]	$M_{PE,Hip,\infty}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
121,178	5,888	3,819	-6945,228	14830,012	-3875,101	10117,626	-2,375	-2,853
121,633	5,888	3,819	-5763,309	14880,240	-5076,101	10150,174	-2,386	-2,855
122,089	5,888	3,819	-4619,491	14874,057	-6222,469	10144,265	-2,383	-2,858
122,544	5,888	3,819	-3513,775	14868,057	-7329,033	10138,455	-2,381	-2,861
123,000	5,888	3,819	-2446,161	14861,597	-8395,567	10132,356	-2,379	-2,862
123,492	5,888	3,819	2861,892	14921,887	-9545,728	10171,609	-3,247	-0,873
123,984	5,888	3,819	3977,427	14982,501	-10659,399	10211,066	-3,266	-0,864
124,476	5,888	3,819	5060,501	15042,573	-11735,420	10250,138	-3,286	-0,852
124,968	5,888	3,819	6067,443	15100,284	-12771,589	10287,584	-3,297	-0,858
125,460	5,888	3,819	7026,870	15156,616	-13767,806	10324,075	-3,307	-0,868
125,952	5,888	3,819	7968,243	15212,955	-14724,636	10360,554	-3,321	-0,867
126,444	5,888	3,819	8848,245	15267,295	-15639,511	10395,657	-3,330	-0,876
126,936	5,888	3,819	9652,116	15318,735	-16510,623	10428,770	-3,332	-0,901
127,428	5,888	3,819	10450,346	15370,978	-17341,215	10462,415	-3,341	-0,910
127,920	5,888	3,819	11203,335	15422,031	-18128,584	10495,235	-3,349	-0,919
128,412	5,888	3,819	11865,433	15469,227	-18868,841	10525,415	-3,347	-0,950
128,904	5,888	3,819	12505,995	15516,568	-19566,092	10555,682	-3,350	-0,970
129,396	5,888	3,819	13117,153	15563,727	-20219,491	10585,809	-3,356	-0,984
129,888	5,888	3,819	13652,176	15607,851	-20824,783	10613,861	-3,354	-1,012
130,380	5,888	3,819	14134,526	15650,386	-21383,216	10640,818	-3,352	-1,042
130,872	5,888	3,819	14603,805	15693,958	-21897,916	10668,467	-3,355	-1,058
131,364	5,888	3,819	15011,715	15735,502	-22364,215	10694,727	-3,356	-1,081
131,856	5,888	3,819	15343,493	15774,026	-22780,143	10718,921	-3,350	-1,116
132,348	5,888	3,819	15662,809	15813,849	-23151,463	10743,986	-3,351	-1,135
132,840	5,888	3,819	15943,568	15853,294	-23475,403	10768,781	-3,354	-1,151
133,332	5,888	3,819	16133,436	15888,795	-23746,255	10790,887	-3,348	-1,185
133,824	5,888	3,819	16293,827	15924,610	-23969,938	10813,194	-3,346	-1,210
134,316	5,888	3,819	16432,657	15961,353	-24147,066	10836,122	-3,349	-1,224
134,808	5,888	3,819	16495,355	15995,261	-24271,612	10857,114	-3,346	-1,249
135,300	5,888	3,819	16496,684	16027,394	-24344,835	10876,889	-3,341	-1,280
135,797	5,888	3,819	16493,308	16054,731	-24361,355	10893,381	-3,345	-1,286
136,294	5,888	3,819	16426,720	16080,284	-24324,996	10908,652	-3,347	-1,297
136,791	5,888	3,819	16283,503	16103,145	-24234,180	10922,091	-3,342	-1,320

x [m]	A_c (m^2)	I_c (m^4)	$M_{qp,\infty}$ [kN.m]	P_∞ [kN]	P_∞ x e [kN.m]	$M_{PE,Hip,\infty}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
137,288	5,888	3,819	16119,484	16127,224	-24094,595	10936,346	-3,344	-1,329
137,785	5,888	3,819	15921,524	16151,599	-23904,614	10950,794	-3,350	-1,330
138,282	5,888	3,819	15633,517	16172,436	-23658,388	10962,836	-3,347	-1,347
138,779	5,888	3,819	15308,992	16193,429	-23361,232	10974,975	-3,348	-1,358
139,276	5,888	3,819	14968,498	16215,925	-23014,853	10988,126	-3,356	-1,353
139,773	5,888	3,819	14546,902	16235,565	-22612,864	10999,333	-3,357	-1,360
140,270	5,888	3,819	14066,567	16253,884	-22157,400	11009,640	-3,357	-1,370
140,767	5,888	3,819	13576,911	16274,036	-21652,606	11021,179	-3,366	-1,361
141,264	5,888	3,819	13023,996	16292,520	-21093,578	11031,584	-3,373	-1,356
141,761	5,888	3,819	12398,924	16308,838	-20479,700	11040,515	-3,375	-1,360
142,258	5,888	3,819	11749,481	16325,887	-19814,587	11049,933	-3,383	-1,351
142,755	5,888	3,819	11065,293	16342,925	-19097,119	11059,338	-3,395	-1,334
143,252	5,888	3,819	10295,529	16357,045	-18323,902	11066,779	-3,399	-1,331
143,748	5,888	3,819	9486,847	16370,897	-17498,024	11074,017	-3,407	-1,322
144,245	5,888	3,819	8664,736	16385,664	-16620,613	11081,869	-3,422	-1,294
144,742	5,888	3,819	7757,051	16397,585	-15687,784	11087,790	-3,430	-1,281
145,239	5,888	3,819	6795,098	16408,306	-14701,392	11092,896	-3,438	-1,269
145,736	5,888	3,819	5823,139	16419,693	-13663,108	11098,445	-3,455	-1,237
146,233	5,888	3,819	4784,312	16429,113	-12570,684	11102,659	-3,468	-1,211
146,730	5,888	3,819	3677,801	16436,643	-11424,480	11105,594	-3,478	-1,192
147,227	5,888	3,819	2552,004	16443,973	-10225,874	11108,389	-3,495	-1,157
147,724	5,888	3,819	-2761,030	16450,486	-8974,504	11110,627	-2,666	-3,091
148,221	5,888	3,819	-3939,580	16454,543	-7669,735	11111,205	-2,693	-3,032
148,718	5,888	3,819	-5163,475	16457,390	-6312,589	11110,961	-2,720	-2,969
149,215	5,888	3,819	-6432,714	16395,755	-4884,492	11067,189	-2,733	-2,904
149,712	5,888	3,819	-7747,297	16414,395	-3432,863	11077,607	-2,767	-2,837
150,209	5,888	3,819	-9107,223	16431,565	-1926,566	11087,027	-2,801	-2,765
150,706	5,888	3,819	-10518,104	16447,087	-365,839	11095,326	-2,836	-2,693
151,203	5,888	3,819	-12038,424	16461,110	1249,002	11102,609	-2,860	-2,646
151,700	5,888	3,819	-13606,301	16473,915	2917,698	11109,066	-2,884	-2,598
152,110	6,628	4,437	-14918,375	16460,797	4240,458	11087,293	-2,556	-2,316
152,520	6,628	4,437	-16283,611	16380,127	5400,352	11031,229	-2,497	-2,411
152,930	6,628	4,437	-17687,328	16305,149	6412,637	10979,014	-2,408	-2,581

x [m]	A_c (m^2)	I_c (m^4)	$M_{qp,\infty}$ [kN.m]	P_∞ [kN]	P_∞ x e [kN.m]	$M_{PE,Hip,\infty}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
153,340	6,628	4,437	-19132,583	16236,894	7280,768	10931,341	-2,288	-2,827
153,750	6,628	4,437	-20622,433	16175,975	8007,896	10888,619	-2,137	-3,148
154,160	8,120	5,521	-22129,547	16215,140	8646,052	10892,764	-1,631	-2,851
154,570	8,120	5,521	-23717,758	16162,227	9097,532	10855,523	-1,458	-3,231
154,980	8,120	5,521	-25359,733	16114,718	9412,421	10821,922	-1,260	-3,673
155,390	8,120	5,521	-27058,530	16071,836	9591,807	10791,435	-1,035	-4,179
155,800	8,120	5,521	-28817,204	16032,477	9636,295	10763,324	-0,784	-4,748
156,210	8,120	5,521	-27058,145	15919,762	9501,048	10689,362	-0,989	-4,223
156,620	8,120	5,521	-25358,964	15810,343	9234,639	10617,591	-1,168	-3,762
157,030	8,120	5,521	-23716,603	15705,108	8840,225	10548,604	-1,322	-3,360
157,440	8,120	5,521	-22128,008	15604,639	8320,528	10482,797	-1,452	-3,017
157,850	8,120	5,521	-20620,558	15501,160	7673,830	10434,553	-1,554	-2,737
158,260	6,628	4,437	-19130,333	15326,334	6872,465	10318,524	-1,971	-3,107
158,670	6,628	4,437	-17684,702	15239,313	5993,455	10261,579	-2,048	-2,885
159,080	6,628	4,437	-16280,610	15157,767	4997,353	10208,304	-2,098	-2,728
159,490	6,628	4,437	-14914,999	15080,771	3884,950	10158,074	-2,122	-2,633
159,900	5,888	3,819	-13584,814	14949,730	2647,749	10070,515	-2,362	-2,952
160,356	5,888	3,819	-12163,159	14920,066	1256,155	10063,432	-2,361	-2,936
160,811	5,888	3,819	-10763,673	14897,413	-90,966	10049,979	-2,366	-2,913
161,267	5,888	3,819	-9449,364	14874,960	-1395,111	10036,682	-2,361	-2,911
161,722	5,888	3,819	-8190,231	14852,369	-2656,391	10023,257	-2,354	-2,915
162,178	5,888	3,819	-6969,199	14829,687	-3875,016	10009,791	-2,348	-2,916
162,633	5,888	3,819	-5786,269	14879,484	-5075,844	10045,223	-2,360	-2,916
163,089	5,888	3,819	-4641,441	14873,244	-6222,130	10042,853	-2,358	-2,917
163,544	5,888	3,819	-3534,714	14867,233	-7328,627	10040,610	-2,357	-2,917
164,000	5,888	3,819	-2466,089	14860,805	-8395,119	10038,106	-2,356	-2,916
164,492	5,888	3,819	2827,023	14921,176	-9545,273	10080,864	-3,222	-0,933
164,984	5,888	3,819	3944,785	14981,897	-10658,969	10123,873	-3,242	-0,921
165,476	5,888	3,819	5030,081	15042,113	-11735,061	10166,556	-3,262	-0,906
165,968	5,888	3,819	6039,246	15100,001	-12771,350	10207,678	-3,275	-0,909
166,460	5,888	3,819	7000,898	15156,543	-13767,739	10247,905	-3,286	-0,916
166,952	5,888	3,819	7944,493	15213,117	-14724,794	10288,166	-3,301	-0,913
167,444	5,888	3,819	8826,718	15267,719	-15639,946	10327,105	-3,311	-0,919

x [m]	A_c (m^2)	I_c (m^4)	$M_{qp,\infty}$ [kN.m]	P_∞ [kN]	P_∞ x e [kN.m]	$M_{PE,Hip,\infty}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
167,936	5,888	3,819	9632,812	15319,443	-16511,387	10364,111	-3,314	-0,942
168,428	5,888	3,819	10433,265	15371,991	-17342,357	10401,685	-3,325	-0,947
168,920	5,888	3,819	11188,477	15423,365	-18130,151	10438,477	-3,334	-0,954
169,412	5,888	3,819	11852,798	15470,896	-18870,878	10472,680	-3,334	-0,982
169,904	5,888	3,819	12495,581	15518,586	-19568,636	10507,000	-3,338	-1,000
170,396	5,888	3,819	13108,960	15566,105	-20222,580	10541,215	-3,344	-1,011
170,888	5,888	3,819	13646,209	15610,597	-20828,447	10573,391	-3,345	-1,036
171,380	5,888	3,819	14130,779	15653,507	-21387,481	10604,506	-3,343	-1,064
171,872	5,888	3,819	14602,281	15697,460	-21902,802	10636,336	-3,348	-1,077
172,364	5,888	3,819	15012,413	15739,387	-22369,737	10666,802	-3,350	-1,097
172,856	5,888	3,819	15346,413	15778,297	-22786,311	10695,233	-3,345	-1,129
173,348	5,888	3,819	15667,949	15818,506	-23158,281	10724,552	-3,348	-1,146
173,840	5,888	3,819	15950,931	15858,336	-23482,869	10753,623	-3,352	-1,159
174,332	5,888	3,819	16143,021	15894,219	-23754,361	10780,025	-3,347	-1,190
174,824	5,888	3,819	16305,633	15930,412	-23978,670	10806,644	-3,346	-1,213
175,316	5,888	3,819	16446,684	15967,527	-24156,406	10833,899	-3,351	-1,224
175,808	5,888	3,819	16511,605	16001,801	-24281,535	10859,231	-3,349	-1,246
176,300	5,888	3,819	16515,155	16034,290	-24355,310	10883,360	-3,345	-1,274
176,797	5,888	3,819	16514,023	16061,977	-24372,350	10904,256	-3,351	-1,277
177,294	5,888	3,819	16449,680	16087,867	-24336,467	10923,937	-3,353	-1,286
177,791	5,888	3,819	16308,707	16111,053	-24246,080	10941,785	-3,351	-1,305
178,288	5,888	3,819	16120,177	16133,589	-24104,105	10959,197	-3,348	-1,323
178,785	5,888	3,819	15884,091	16155,497	-23910,383	10976,186	-3,347	-1,339
179,282	5,888	3,819	15633,863	16179,064	-23668,083	10994,306	-3,353	-1,338
179,779	5,888	3,819	15343,171	16202,456	-23374,254	11012,311	-3,361	-1,332
180,276	5,888	3,819	15004,923	16225,178	-23027,985	11029,864	-3,370	-1,324
180,773	5,888	3,819	14585,571	16245,017	-22626,029	11045,461	-3,373	-1,328
181,270	5,888	3,819	14107,481	16263,506	-22170,517	11060,143	-3,375	-1,335
181,767	5,888	3,819	13620,069	16283,797	-21665,592	11076,053	-3,385	-1,322
182,264	5,888	3,819	13069,399	16302,384	-21106,350	11090,808	-3,393	-1,314
182,761	5,888	3,819	12446,571	16318,769	-20492,170	11104,068	-3,397	-1,315
183,258	5,888	3,819	11799,373	16335,842	-19826,669	11117,796	-3,406	-1,302
183,755	5,888	3,819	11117,430	16352,860	-19108,729	11131,490	-3,419	-1,282

x [m]	A_c (m^2)	I_c (m^4)	$M_{qp,\infty}$ [kN.m]	P_∞ [kN]	P_∞ x e [kN.m]	$M_{PE,Hip,\infty}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
184,252	5,888	3,819	10349,912	16366,912	-18334,955	11143,184	-3,425	-1,276
184,748	5,888	3,819	9543,476	16380,644	-17508,441	11154,645	-3,434	-1,263
185,245	5,888	3,819	8723,610	16395,233	-16630,319	11166,691	-3,451	-1,232
185,742	5,888	3,819	7818,169	16406,916	-15696,711	11176,761	-3,461	-1,216
186,239	5,888	3,819	6858,462	16417,335	-14709,482	11185,970	-3,470	-1,200
186,736	5,888	3,819	5888,750	16428,350	-13670,312	11195,585	-3,488	-1,164
187,233	5,888	3,819	4852,168	16437,325	-12576,967	11203,811	-3,503	-1,135
187,730	5,888	3,819	3747,902	16444,333	-11429,825	11210,695	-3,514	-1,112
188,227	5,888	3,819	2624,505	16451,064	-10230,283	11217,391	-3,532	-1,074
188,724	5,888	3,819	-2703,884	16456,899	-8978,003	11223,475	-2,701	-3,013
189,221	5,888	3,819	-3881,331	16460,186	-7672,365	11227,822	-2,729	-2,951
189,718	5,888	3,819	-5104,123	16462,167	-6314,422	11231,275	-2,757	-2,885
190,215	5,888	3,819	-6372,259	16399,208	-4885,521	11190,412	-2,771	-2,817
190,712	5,888	3,819	-7685,739	16416,869	-3433,381	11204,556	-2,806	-2,747
191,209	5,888	3,819	-9044,563	16432,980	-1926,731	11217,645	-2,841	-2,674
191,706	5,888	3,819	-10454,500	16447,361	-365,845	11229,552	-2,877	-2,598
192,203	5,888	3,819	-11973,722	16460,163	1248,930	11240,385	-2,901	-2,550
192,700	5,888	3,819	-13540,501	16471,671	2917,300	11250,334	-2,926	-2,499
193,110	6,628	4,437	-14851,066	16457,975	4239,731	11231,082	-2,592	-2,229
193,520	6,628	4,437	-16215,388	16376,478	5399,149	11177,231	-2,534	-2,323
193,930	6,628	4,437	-17618,192	16300,752	6410,908	11127,301	-2,445	-2,492
194,340	6,628	4,437	-19062,534	16231,831	7278,498	11082,001	-2,325	-2,737
194,750	6,628	4,437	-20551,470	16170,330	8005,102	11041,751	-2,175	-3,057
195,160	8,120	5,521	-22056,569	16210,256	8643,448	11049,318	-1,662	-2,775
195,570	8,120	5,521	-23643,853	16157,017	9094,599	11014,756	-1,490	-3,154
195,980	8,120	5,521	-25284,902	16109,254	9409,229	10983,914	-1,292	-3,596
196,390	8,120	5,521	-26982,771	16066,191	9588,438	10956,268	-1,068	-4,100
196,800	8,120	5,521	-28740,797	16026,734	9632,843	10931,071	-0,817	-4,668
197,210	8,120	5,521	-26985,386	15914,334	9497,809	10849,280	-1,021	-4,147
197,620	8,120	5,521	-25289,853	15805,299	9231,692	10769,853	-1,198	-3,689
198,030	8,120	5,521	-23651,140	15700,502	8837,633	10693,382	-1,351	-3,291
198,440	8,120	5,521	-22066,192	15600,516	8318,330	10620,254	-1,479	-2,952
198,850	8,120	5,521	-20563,267	15497,481	7672,009	10565,508	-1,580	-2,675

x [m]	A_c (m^2)	I_c (m^4)	$M_{qp,\infty}$ [kN.m]	P_∞ [kN]	P_∞ x e [kN.m]	$M_{PE,Hip,\infty}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
199,260	6,628	4,437	-19076,633	15322,479	6870,736	10441,232	-2,001	-3,035
199,670	6,628	4,437	-17634,595	15236,152	5992,212	10377,464	-2,076	-2,817
200,080	6,628	4,437	-16234,095	15155,304	4996,541	10317,482	-2,125	-2,664
200,490	6,628	4,437	-14872,077	15078,993	3884,492	10260,640	-2,147	-2,573
200,900	5,888	3,819	-13545,483	14948,434	2647,520	10166,048	-2,389	-2,887
201,356	5,888	3,819	-12128,133	14919,506	1256,108	10152,423	-2,387	-2,877
201,811	5,888	3,819	-10732,602	14897,449	-90,966	10132,062	-2,389	-2,859
202,267	5,888	3,819	-9422,488	14875,440	-1395,156	10111,777	-2,382	-2,862
202,722	5,888	3,819	-8167,277	14853,148	-2656,530	10091,287	-2,373	-2,871
203,178	5,888	3,819	-6950,168	14830,625	-3875,261	10070,681	-2,364	-2,878
203,633	5,888	3,819	-5771,160	14880,856	-5076,312	10099,441	-2,374	-2,883
204,089	5,888	3,819	-4630,254	14874,572	-6222,685	10089,854	-2,370	-2,890
204,544	5,888	3,819	-3527,450	14868,383	-7329,194	10080,308	-2,366	-2,895
205,000	5,888	3,819	-2462,747	14861,651	-8395,597	10070,423	-2,363	-2,899
205,492	5,888	3,819	2842,432	14921,563	-9545,520	10105,236	-3,230	-0,914
205,984	5,888	3,819	3952,580	14981,638	-10658,785	10140,111	-3,247	-0,909
206,476	5,888	3,819	5030,261	15041,082	-11734,257	10174,511	-3,264	-0,902
206,968	5,888	3,819	6031,811	15098,085	-12769,729	10207,212	-3,274	-0,912
207,460	5,888	3,819	6985,844	15153,638	-13765,100	10238,889	-3,281	-0,926
207,952	5,888	3,819	7921,823	15209,132	-14720,936	10270,479	-3,293	-0,930
208,444	5,888	3,819	8796,431	15262,571	-15634,673	10300,638	-3,300	-0,943
208,936	5,888	3,819	9594,909	15313,061	-16504,508	10328,766	-3,300	-0,972
209,428	5,888	3,819	10387,737	15364,312	-17333,694	10357,364	-3,307	-0,985
209,920	5,888	3,819	11135,331	15414,336	-18119,538	10385,094	-3,313	-0,998
210,412	5,888	3,819	11792,035	15460,472	-18858,162	10410,166	-3,309	-1,033
210,904	5,888	3,819	12427,190	15506,728	-19553,684	10435,281	-3,310	-1,058
211,396	5,888	3,819	13032,952	15552,784	-20205,274	10460,222	-3,314	-1,075
211,888	5,888	3,819	13562,579	15595,790	-20808,690	10483,076	-3,311	-1,107
212,380	5,888	3,819	14039,518	15637,195	-21365,195	10504,819	-3,306	-1,142
212,872	5,888	3,819	14503,401	15679,635	-21877,931	10527,225	-3,308	-1,161
213,364	5,888	3,819	14905,913	15720,045	-22342,247	10548,231	-3,306	-1,188
213,856	5,888	3,819	15232,295	15757,439	-22756,189	10567,182	-3,298	-1,227
214,348	5,888	3,819	15546,195	15796,138	-23125,534	10586,978	-3,298	-1,250

x [m]	A_c (m^2)	I_c (m^4)	$M_{qp,\infty}$ [kN.m]	P_∞ [kN]	P_∞ x e [kN.m]	$M_{PE,Hip,\infty}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
214,840	5,888	3,819	15821,557	15834,471	-23447,530	10606,495	-3,299	-1,270
215,332	5,888	3,819	16006,027	15868,876	-23716,484	10623,350	-3,291	-1,308
215,824	5,888	3,819	16161,002	15903,611	-23938,331	10640,398	-3,286	-1,337
216,316	5,888	3,819	16294,433	15939,300	-24113,703	10658,055	-3,287	-1,355
216,808	5,888	3,819	16351,733	15972,181	-24236,590	10673,807	-3,283	-1,384
217,300	5,888	3,819	16347,662	16003,318	-24308,265	10688,364	-3,276	-1,419
217,797	5,888	3,819	16338,817	16029,685	-24323,350	10699,649	-3,278	-1,429
218,294	5,888	3,819	16266,775	16054,310	-24285,704	10709,748	-3,277	-1,445
218,791	5,888	3,819	16118,104	16076,289	-24193,763	10718,063	-3,271	-1,472
219,288	5,888	3,819	15948,617	16099,535	-24053,227	10727,202	-3,270	-1,485
219,785	5,888	3,819	15745,204	16123,136	-23862,489	10736,557	-3,274	-1,491
220,282	5,888	3,819	15451,742	16143,261	-23615,708	10743,577	-3,269	-1,513
220,779	5,888	3,819	15121,754	16163,609	-23318,213	10750,729	-3,267	-1,529
221,276	5,888	3,819	14775,806	16185,536	-22971,723	10758,912	-3,273	-1,528
221,773	5,888	3,819	14348,756	16204,690	-22569,861	10765,233	-3,272	-1,540
222,270	5,888	3,819	13862,967	16222,611	-22114,769	10770,719	-3,270	-1,555
222,767	5,888	3,819	13367,856	16242,464	-21610,599	10777,470	-3,277	-1,551
223,264	5,888	3,819	12809,486	16260,755	-21052,453	10783,167	-3,281	-1,552
223,761	5,888	3,819	12178,960	16276,996	-20439,715	10787,490	-3,281	-1,561
224,258	5,888	3,819	11524,073	16294,093	-19775,999	10792,364	-3,287	-1,557
224,755	5,888	3,819	10834,431	16311,314	-19060,182	10797,304	-3,296	-1,545
225,252	5,888	3,819	10059,213	16325,765	-18288,860	10800,412	-3,298	-1,548
225,748	5,888	3,819	9245,100	16340,106	-17465,112	10803,420	-3,303	-1,545
226,245	5,888	3,819	8417,536	16355,529	-16590,046	10807,129	-3,316	-1,523
226,742	5,888	3,819	7504,397	16368,288	-15659,756	10809,065	-3,322	-1,516
227,239	5,888	3,819	6536,992	16380,042	-14676,068	10810,324	-3,328	-1,510
227,736	5,888	3,819	5559,619	16392,668	-13640,620	10812,148	-3,342	-1,483
228,233	5,888	3,819	4515,340	16403,545	-12551,120	10812,806	-3,354	-1,463
228,730	5,888	3,819	3403,376	16412,763	-11407,882	10812,360	-3,362	-1,450
229,227	5,888	3,819	-1694,898	16422,051	-10212,241	10811,952	-2,565	-3,311
229,724	5,888	3,819	-2829,686	16430,760	-8963,743	10811,153	-2,590	-3,258
230,221	5,888	3,819	-4009,819	16437,273	-7661,685	10808,901	-2,615	-3,202
230,718	5,888	3,819	-5235,295	16442,843	-6307,010	10806,022	-2,642	-3,143

x [m]	A_c (m^2)	I_c (m^4)	$M_{qp,\infty}$ [kN.m]	P_∞ [kN]	P_∞ x e [kN.m]	$M_{PE,Hip,\infty}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
231,215	5,888	3,819	-6506,116	16387,726	-4882,100	10763,278	-2,655	-3,081
231,712	5,888	3,819	-7822,281	16408,627	-3431,657	10770,474	-2,688	-3,017
232,209	5,888	3,819	-9183,790	16428,262	-1926,178	10776,819	-2,722	-2,949
232,706	5,888	3,819	-10598,355	16446,445	-365,825	10782,196	-2,756	-2,880
233,203	5,888	3,819	-12120,298	16463,341	1249,171	10786,712	-2,779	-2,836
233,700	5,888	3,819	-13689,797	16479,212	2918,636	10790,541	-2,803	-2,789
234,110	6,628	4,437	-15004,887	16467,464	4242,175	10767,347	-2,485	-2,483
234,520	6,628	4,437	-16371,486	16388,759	5403,198	10710,569	-2,427	-2,578
234,930	6,628	4,437	-17776,567	16315,565	6416,733	10657,438	-2,338	-2,750
235,340	6,628	4,437	-19223,185	16248,903	7286,153	10608,622	-2,218	-2,996
235,750	6,628	4,437	-20714,399	16189,380	8014,532	10564,505	-2,067	-3,318
236,160	8,120	5,521	-22225,961	16226,750	8652,243	10564,965	-1,573	-2,990
236,570	8,120	5,521	-23815,578	16174,627	9104,512	10525,808	-1,400	-3,371
236,980	8,120	5,521	-25458,959	16127,739	9420,026	10490,087	-1,201	-3,814
237,390	8,120	5,521	-27159,161	16085,302	9599,843	10457,291	-0,976	-4,321
237,800	8,120	5,521	-28923,118	16046,289	9644,596	10426,746	-0,724	-4,893
238,210	8,120	5,521	-27159,165	15932,829	9508,846	10371,822	-0,933	-4,360
238,620	8,120	5,521	-25455,091	15822,504	9241,742	10318,675	-1,115	-3,891
239,030	8,120	5,521	-23807,837	15716,227	8846,484	10267,912	-1,272	-3,482
239,440	8,120	5,521	-22214,348	15614,606	8325,842	10219,944	-1,404	-3,132
239,850	8,120	5,521	-20699,514	15510,069	7678,240	10188,061	-1,509	-2,844
240,260	6,628	4,437	-19204,548	15335,690	6876,660	10091,714	-1,920	-3,230
240,670	6,628	4,437	-17754,177	15246,999	5996,478	10051,440	-2,000	-3,000
241,080	6,628	4,437	-16345,344	15163,772	4999,333	10014,565	-2,053	-2,834
241,490	6,628	4,437	-14974,993	15085,119	3886,070	9980,518	-2,081	-2,730
241,900	5,888	3,819	-13640,067	14952,910	2648,312	9909,885	-2,318	-3,055
242,356	5,888	3,819	-12212,237	14921,448	1256,271	9919,362	-2,322	-3,028
242,811	5,888	3,819	-10807,582	14897,324	-90,966	9923,063	-2,331	-2,995
243,267	5,888	3,819	-9491,526	14873,738	-1394,996	9927,088	-2,330	-2,983
243,722	5,888	3,819	-8226,741	14850,367	-2656,033	9931,164	-2,327	-2,975
244,178	5,888	3,819	-7000,059	14827,238	-3874,376	9935,367	-2,326	-2,965
244,633	5,888	3,819	-5811,478	14876,211	-5074,727	9987,888	-2,343	-2,954
245,089	5,888	3,819	-4660,998	14870,285	-6220,892	10003,633	-2,346	-2,944

x [m]	A_c (m^2)	I_c (m^4)	$M_{qp,\infty}$ [kN.m]	P_∞ [kN]	P_∞ x e [kN.m]	$M_{PE,Hip,\infty}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
245,544	5,888	3,819	-3548,621	14864,980	-7327,517	10019,754	-2,349	-2,932
246,000	5,888	3,819	-2474,344	14859,625	-8394,453	10035,850	-2,353	-2,920
246,492	5,888	3,819	2840,124	14921,534	-9545,502	10099,018	-3,228	-0,918
246,984	5,888	3,819	3970,913	14983,890	-10660,387	10162,666	-3,255	-0,891
247,476	5,888	3,819	5069,236	15046,024	-11738,112	10226,340	-3,283	-0,861
247,968	5,888	3,819	6091,429	15106,090	-12776,499	10288,780	-3,302	-0,849
248,460	5,888	3,819	7066,038	15165,037	-13775,455	10350,627	-3,320	-0,841
248,952	5,888	3,819	8022,643	15224,225	-14735,545	10412,807	-3,342	-0,823
249,444	5,888	3,819	8917,877	15281,624	-15654,190	10473,926	-3,360	-0,815
249,936	5,888	3,819	9736,980	15336,305	-16529,560	10533,341	-3,370	-0,823
250,428	5,888	3,819	10550,309	15391,940	-17364,863	10593,569	-3,387	-0,814
250,920	5,888	3,819	11318,513	15446,527	-18157,378	10653,229	-3,403	-0,807
251,412	5,888	3,819	11995,826	15497,370	-18903,170	10710,458	-3,410	-0,821
251,904	5,888	3,819	12651,427	15548,443	-19606,285	10767,989	-3,420	-0,825
252,396	5,888	3,819	13277,783	15599,418	-20265,858	10825,596	-3,434	-0,822
252,888	5,888	3,819	13828,009	15647,415	-20877,572	10881,277	-3,441	-0,833
253,380	5,888	3,819	14325,350	15693,850	-21442,602	10936,003	-3,446	-0,847
253,872	5,888	3,819	14809,814	15741,360	-21964,056	10991,612	-3,458	-0,846
254,364	5,888	3,819	15232,908	15786,849	-22437,193	11045,940	-3,467	-0,852
254,856	5,888	3,819	15579,871	15829,314	-22859,987	11098,276	-3,469	-0,870
255,348	5,888	3,819	15914,135	15873,041	-23238,119	11151,618	-3,478	-0,873
255,840	5,888	3,819	16210,065	15916,370	-23568,805	11204,804	-3,490	-0,871
256,332	5,888	3,819	16415,105	15955,708	-23846,257	11255,296	-3,492	-0,889
256,824	5,888	3,819	16590,433	15995,280	-24076,311	11306,063	-3,498	-0,897
257,316	5,888	3,819	16744,422	16035,720	-24259,572	11357,557	-3,509	-0,893
257,808	5,888	3,819	16822,281	16073,235	-24389,932	11407,088	-3,515	-0,901
258,300	5,888	3,819	16838,769	16108,870	-24468,593	11455,387	-3,518	-0,914
258,797	5,888	3,819	16850,486	16139,603	-24490,139	11500,527	-3,530	-0,902
259,294	5,888	3,819	16799,203	16168,427	-24458,332	11544,390	-3,540	-0,896
259,791	5,888	3,819	16671,291	16194,404	-24371,517	11586,297	-3,545	-0,900
260,288	5,888	3,819	16522,402	16221,411	-24235,314	11629,015	-3,556	-0,890
260,785	5,888	3,819	16339,741	16248,534	-24048,079	11671,893	-3,570	-0,872
261,282	5,888	3,819	16067,032	16271,905	-23803,899	11712,146	-3,576	-0,870

x [m]	A_c (m^2)	I_c (m^4)	$M_{qp,\infty}$ [kN.m]	P_∞ [kN]	P_∞ x e [kN.m]	$M_{PE,Hip,\infty}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
261,779	5,888	3,819	15757,707	16295,190	-23508,036	11752,402	-3,586	-0,861
262,276	5,888	3,819	15432,508	16319,727	-23162,176	11793,629	-3,603	-0,836
262,773	5,888	3,819	15026,208	16341,125	-22759,887	11832,651	-3,613	-0,823
263,270	5,888	3,819	14561,168	16360,891	-22303,274	11870,549	-3,623	-0,812
263,767	5,888	3,819	14086,814	16382,155	-21796,458	11909,590	-3,641	-0,782
264,264	5,888	3,819	13549,194	16401,382	-21234,520	11947,207	-3,657	-0,756
264,761	5,888	3,819	12939,418	16418,044	-20616,834	11983,005	-3,669	-0,738
265,258	5,888	3,819	12305,419	16435,011	-19947,029	12019,072	-3,686	-0,706
265,755	5,888	3,819	11636,530	16451,489	-19223,980	12054,827	-3,707	-0,666
266,252	5,888	3,819	10882,067	16464,543	-18444,326	12088,131	-3,722	-0,641
266,748	5,888	3,819	10089,011	16476,800	-17611,218	12120,868	-3,739	-0,608
267,245	5,888	3,819	9282,208	16489,365	-16725,801	12153,866	-3,764	-0,557
267,742	5,888	3,819	8389,830	16498,456	-15784,288	12184,332	-3,781	-0,521
268,239	5,888	3,819	7443,186	16505,674	-14788,631	12213,436	-3,799	-0,485
268,736	5,888	3,819	6487,092	16512,864	-13740,637	12242,538	-3,825	-0,428
269,233	5,888	3,819	5463,585	16517,303	-12638,162	12269,615	-3,847	-0,379
269,730	5,888	3,819	4372,394	16519,050	-11481,757	12294,700	-3,866	-0,336
270,227	5,888	3,819	3272,165	16520,082	-10273,203	12319,254	-3,893	-0,273
270,724	5,888	3,819	-2019,403	16519,070	-9011,920	12342,283	-3,074	-2,181
271,221	5,888	3,819	-3182,926	16514,678	-7697,765	12362,774	-3,108	-2,099
271,718	5,888	3,819	-4391,794	16508,142	-6332,057	12381,645	-3,143	-2,014
272,215	5,888	3,819	-5646,005	16499,443	-4915,382	12398,867	-3,178	-1,927
272,712	5,888	3,819	-6945,561	16487,275	-3448,105	12413,452	-3,213	-1,838
273,209	5,888	3,819	-8290,461	16448,150	-1928,510	12407,664	-3,241	-1,751
273,706	5,888	3,819	-9715,298	16450,261	-365,910	12432,928	-3,275	-1,674
274,203	5,888	3,819	-11221,122	16450,090	1248,166	12456,466	-3,302	-1,611
274,700	5,888	3,819	-12774,504	16447,772	2913,068	12478,374	-3,328	-1,547
275,110	6,628	4,437	-14067,802	16427,904	4231,984	12467,097	-2,942	-1,400
275,520	6,628	4,437	-15420,981	16337,551	5386,315	12417,910	-2,884	-1,488
275,930	6,628	4,437	-16812,643	16253,802	6392,443	12373,536	-2,796	-1,652
276,340	6,628	4,437	-18245,842	16177,719	7254,233	12334,808	-2,677	-1,890
276,750	6,628	4,437	-19723,636	16109,944	7975,208	12302,242	-2,528	-2,204
277,160	8,120	5,521	-21206,178	16157,971	8615,570	12329,308	-1,953	-2,076

x [m]	A_c (m^2)	I_c (m^4)	$M_{qp,\infty}$ [kN.m]	P_∞ [kN]	P_∞ x e [kN.m]	$M_{PE,Hip,\infty}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
277,570	8,120	5,521	-22782,167	16101,190	9063,175	12304,974	-1,783	-2,449
277,980	8,120	5,521	-24429,575	16051,016	9375,213	12285,561	-1,585	-2,889
278,390	8,120	5,521	-26135,547	16006,383	9552,744	12270,278	-1,361	-3,392
278,800	8,120	5,521	-27901,396	15966,166	9596,439	12258,279	-1,111	-3,959
279,210	8,120	5,521	-26133,743	15857,785	9464,059	12022,874	-1,296	-3,484
279,620	8,120	5,521	-24425,967	15753,426	9201,394	11792,559	-1,455	-3,071
280,030	8,120	5,521	-22775,013	15653,821	8811,356	11567,760	-1,589	-2,717
280,440	8,120	5,521	-21177,823	15559,403	8296,408	11348,655	-1,699	-2,421
280,850	8,120	5,521	-19672,179	15461,446	7654,170	11155,015	-1,782	-2,189
281,260	6,628	4,437	-18172,804	15285,469	6854,140	10881,003	-2,229	-2,486
281,670	6,628	4,437	-16718,024	15206,511	5980,555	10678,507	-2,284	-2,318
282,080	6,628	4,437	-15304,781	15132,816	4989,127	10481,174	-2,312	-2,215
282,490	6,628	4,437	-13930,021	15063,265	3880,440	10288,089	-2,315	-2,175
282,900	5,888	3,819	-12594,209	14937,433	2645,571	10057,542	-2,559	-2,485
283,356	5,888	3,819	-11224,062	14915,269	1255,751	9896,798	-2,518	-2,567
283,811	5,888	3,819	-9869,777	14897,680	-90,968	9725,701	-2,482	-2,642
284,267	5,888	3,819	-8553,594	14878,050	-1395,401	9553,697	-2,446	-2,715
284,722	5,888	3,819	-7275,512	14856,500	-2657,130	9380,870	-2,410	-2,786
285,178	5,888	3,819	-6035,532	14890,136	-3890,811	9242,788	-2,389	-2,854
285,633	5,888	3,819	-4833,653	14882,266	-5076,793	9078,636	-2,357	-2,924
286,089	5,888	3,819	-3669,876	14871,915	-6221,574	8913,191	-2,326	-2,992
286,544	5,888	3,819	-2544,201	14860,043	-7325,083	8747,046	-2,294	-3,058
287,000	5,888	3,819	2702,448	14846,198	-8386,868	8580,036	-3,113	-1,142
287,492	5,888	3,819	3804,188	16728,790	-10701,628	9474,701	-3,368	-1,614
287,984	5,888	3,819	4890,870	16786,075	-11942,564	9313,142	-3,313	-1,774
288,476	5,888	3,819	5941,782	16840,358	-13137,956	9148,626	-3,259	-1,930
288,968	5,888	3,819	6916,563	16890,206	-14285,478	8980,496	-3,198	-2,101
289,460	5,888	3,819	7846,383	16936,985	-15385,039	8809,615	-3,136	-2,271
289,952	5,888	3,819	8755,458	16982,098	-16436,992	8636,804	-3,079	-2,429
290,444	5,888	3,819	9603,162	17023,897	-17438,940	8461,300	-3,019	-2,593
290,936	5,888	3,819	10374,947	17061,718	-18389,221	8282,896	-2,953	-2,770
291,428	5,888	3,819	11142,076	17099,520	-19291,319	8103,607	-2,895	-2,926
291,920	5,888	3,819	11862,595	17135,380	-20142,624	7922,545	-2,837	-3,080

x [m]	A_c (m^2)	I_c (m^4)	$M_{qp,\infty}$ [kN.m]	P_∞ [kN]	P_∞ x e [kN.m]	$M_{PE,Hip,\infty}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
292,412	5,888	3,819	12492,224	17166,890	-20939,594	7738,691	-2,771	-3,253
292,904	5,888	3,819	13100,339	17198,229	-21686,633	7554,031	-2,710	-3,412
293,396	5,888	3,819	13678,812	17229,213	-22383,195	7368,492	-2,653	-3,562
293,888	5,888	3,819	14181,153	17257,159	-23025,373	7180,972	-2,591	-3,723
294,380	5,888	3,819	14629,046	17283,537	-23614,601	6992,167	-2,528	-3,885
294,872	5,888	3,819	15065,380	17311,320	-24154,635	6803,305	-2,473	-4,029
295,364	5,888	3,819	15440,345	17337,471	-24641,027	6613,175	-2,415	-4,177
295,856	5,888	3,819	15739,178	17361,120	-25072,154	6421,513	-2,353	-4,335
296,348	5,888	3,819	16021,214	17386,405	-25453,683	6229,888	-2,298	-4,478
296,840	5,888	3,819	16268,716	17412,325	-25784,000	6037,896	-2,246	-4,613
297,332	5,888	3,819	16425,327	17435,149	-26057,324	5844,266	-2,187	-4,765
297,824	5,888	3,819	16545,322	17458,745	-26279,138	5650,356	-2,130	-4,910
298,316	5,888	3,819	16650,527	17484,794	-26451,797	5456,663	-2,081	-5,039
298,808	5,888	3,819	16679,601	17509,168	-26568,852	5261,864	-2,027	-5,177
299,300	5,888	3,819	16647,304	17533,027	-26631,820	5066,350	-1,972	-5,320
299,782	5,888	3,819	16600,834	17485,627	-26518,976	4854,480	-1,934	-5,381
300,265	5,888	3,819	16507,027	17441,200	-26329,370	4644,476	-1,903	-5,428
300,747	5,888	3,819	16338,031	17397,852	-26060,730	4435,761	-1,874	-5,473
301,229	5,888	3,819	16131,099	17358,202	-25717,503	4228,931	-1,852	-5,499
301,712	5,888	3,819	15913,373	17324,072	-25302,727	4024,287	-1,845	-5,497
302,194	5,888	3,819	15611,775	17290,432	-24809,302	3820,517	-1,837	-5,497
302,676	5,888	3,819	15261,035	17259,618	-24240,963	3618,114	-1,835	-5,485
303,159	5,888	3,819	14889,109	17233,363	-23600,248	3417,318	-1,844	-5,448
303,641	5,888	3,819	14467,884	17209,665	-22884,368	3217,582	-1,860	-5,399
304,124	5,888	3,819	13980,153	17187,319	-22091,833	3018,638	-1,878	-5,345
304,606	5,888	3,819	13447,621	17167,541	-21224,264	2820,624	-1,902	-5,276
305,088	5,888	3,819	12905,804	17152,140	-20283,679	2623,715	-1,941	-5,177
305,571	5,888	3,819	12281,039	17136,535	-19264,478	2427,144	-1,979	-5,080
306,053	5,888	3,819	11611,475	17122,678	-18168,968	2231,160	-2,023	-4,968
306,535	5,888	3,819	10912,054	17110,937	-16997,378	2035,744	-2,078	-4,835
307,018	5,888	3,819	10163,248	17099,836	-15748,058	1840,641	-2,138	-4,687
307,500	6,628	4,437	9365,255	17173,949	-14492,443	1647,880	-1,979	-4,017
307,910	6,628	4,437	8642,842	17156,969	-13290,909	1481,617	-2,031	-3,887

x [m]	A_c (m^2)	I_c (m^4)	$M_{qp,\infty}$ [kN.m]	P_∞ [kN]	P_∞ x e [kN.m]	$M_{PE,Hip,\infty}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
308,320	6,628	4,437	7902,192	17139,963	-12033,852	1315,681	-2,090	-3,740
308,730	6,628	4,437	7100,319	17121,258	-10720,401	1149,959	-2,148	-3,596
309,140	6,628	4,437	6253,640	17101,164	-9351,303	984,517	-2,208	-3,446
309,550	8,120	5,521	5358,008	17177,245	-7972,373	824,076	-1,862	-2,705
309,960	8,120	5,521	4416,273	17161,076	-6487,748	660,187	-1,914	-2,579
310,370	8,120	5,521	3408,521	17133,322	-4944,691	494,338	-1,963	-2,453
310,780	8,120	5,521	2339,337	17103,637	-3348,481	328,986	-2,010	-2,331
311,190	8,120	5,521	1204,552	17071,985	-1699,955	164,187	-2,056	-2,212
311,600	8,120	5,521	0,000	17038,413	0,000	0,000	-2,098	-2,098

ANEXO F – Estado Limite de Largura de Fendas – Início da Exploração

v_{sup} [m]	v_{inf} [m]	f_{ctm} [MPa]	f_{ctk} [MPa]
0,781	**1,819**	**3,2**	**2,2**

x [m]	A_c (m^2)	I_c (m^4)	$M_{freq,0}$ [kN.m]	P_0 [kN]	P_0 x e [kN.m]	$M_{PE,Hip,0}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
0,000	8,120	5,521	0,000	16168,669	0,000	0,000	-1,991	-1,991
0,410	8,120	5,521	1335,095	16214,663	-1614,587	103,027	-1,972	-2,055
0,820	8,120	5,521	2599,001	16260,657	-3183,446	206,639	-1,949	-2,127
1,230	8,120	5,521	3795,864	16306,651	-4706,113	310,837	-1,924	-2,206
1,640	8,120	5,521	4929,832	16352,645	-6182,120	415,625	-1,896	-2,290
2,050	8,120	5,521	5982,078	16398,639	-7611,004	520,995	-1,863	-2,385
2,460	6,628	4,437	6998,096	16444,633	-8992,297	626,951	-2,240	-3,042
2,870	6,628	4,437	7963,655	16490,627	-10325,534	733,495	-2,201	-3,156
3,280	6,628	4,437	8882,902	16536,621	-11610,249	840,622	-2,163	-3,268
3,690	6,628	4,437	9718,857	16582,615	-12845,976	948,337	-2,118	-3,395
4,100	6,628	4,437	10553,347	16628,609	-14032,251	1056,642	-2,082	-3,502
4,582	5,888	3,819	11490,919	16674,602	-15356,440	1184,222	-2,284	-4,109
5,065	5,888	3,819	12355,557	16720,596	-16609,629	1312,520	-2,238	-4,241
5,547	5,888	3,819	13164,142	16766,590	-17791,122	1441,481	-2,196	-4,365
6,029	5,888	3,819	13955,730	16812,584	-18900,300	1571,131	-2,165	-4,462
6,512	5,888	3,819	14700,432	16858,578	-19936,520	1701,476	-2,140	-4,546
6,994	5,888	3,819	15321,958	16904,572	-20899,154	1832,528	-2,105	-4,654
7,476	5,888	3,819	15967,628	16950,566	-21787,521	1964,251	-2,090	-4,715
7,959	5,888	3,819	16566,413	16996,560	-22600,994	2096,666	-2,081	-4,762
8,441	5,888	3,819	17074,901	17042,554	-23338,943	2229,786	-2,069	-4,816
8,924	5,888	3,819	17527,509	17088,548	-24000,696	2363,582	-2,062	-4,859
9,406	5,888	3,819	17980,458	17134,542	-24585,621	2498,068	-2,070	-4,866
9,888	5,888	3,819	18377,840	17180,535	-25093,084	2633,253	-2,083	-4,862
10,371	5,888	3,819	18650,195	17226,529	-25522,421	2769,123	-2,087	-4,880
10,853	5,888	3,819	18943,677	17272,523	-25872,997	2905,681	-2,111	-4,850
11,335	5,888	3,819	19204,005	17318,517	-26144,167	3042,931	-2,144	-4,797
11,818	5,888	3,819	19356,670	17364,511	-26335,290	3180,874	-2,172	-4,758
12,300	5,888	3,819	19457,376	17410,505	-26445,714	3319,508	-2,207	-4,704

x [m]	A_c (m^2)	I_c (m^4)	$M_{freq,0}$ [kN.m]	P_0 [kN]	P_0 x e [kN.m]	$M_{PE,Hip,0}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
12,756	5,888	3,819	19566,939	17431,000	-26454,033	3446,532	-2,257	-4,599
13,211	5,888	3,819	19618,281	17410,505	-26354,575	3565,448	-2,308	-4,467
13,667	5,888	3,819	19562,203	17431,000	-26271,538	3692,758	-2,343	-4,397
14,122	5,888	3,819	19503,166	17410,505	-26081,156	3811,388	-2,391	-4,274
14,578	5,888	3,819	19440,881	17431,000	-25906,550	3938,981	-2,444	-4,164
15,033	5,888	3,819	19287,575	17410,505	-25625,458	4057,318	-2,491	-4,043
15,489	5,888	3,819	19059,649	17431,000	-25359,068	4185,198	-2,528	-3,967
15,944	5,888	3,819	18848,188	17410,505	-24987,481	4303,243	-2,581	-3,831
16,400	5,888	3,819	18614,194	17431,000	-24629,092	4431,407	-2,637	-3,714
16,892	5,888	3,819	18225,949	17410,505	-24130,618	4558,991	-2,682	-3,598
17,384	5,888	3,819	17803,065	17431,000	-23635,740	4697,305	-2,728	-3,501
17,876	5,888	3,819	17401,207	17410,505	-23032,128	4824,570	-2,792	-3,341
18,368	5,888	3,819	16891,529	17431,000	-22429,527	4963,194	-2,843	-3,234
18,860	5,888	3,819	16303,552	17410,505	-21721,028	5090,146	-2,890	-3,113
19,352	5,888	3,819	15728,774	17431,000	-21010,452	5229,073	-2,950	-2,985
19,844	5,888	3,819	15097,857	17410,505	-20197,316	5355,707	-3,009	-2,835
20,336	5,888	3,819	14359,113	17431,000	-19378,516	5494,946	-3,058	-2,734
20,828	5,888	3,819	13599,277	17410,505	-18460,994	5621,262	-3,112	-2,595
21,320	5,888	3,819	12847,307	17431,000	-17533,719	5760,808	-3,180	-2,449
21,812	5,888	3,819	11957,998	17410,505	-16512,061	5886,807	-3,229	-2,322
22,304	5,888	3,819	11019,909	17431,000	-15476,061	6026,659	-3,281	-2,212
22,796	5,888	3,819	10112,960	17410,505	-14350,517	6152,345	-3,348	-2,045
23,288	5,888	3,819	9102,815	17431,000	-13205,542	6292,510	-3,408	-1,917
23,780	5,888	3,819	8014,379	17410,505	-11976,361	6417,875	-3,459	-1,787
24,272	5,888	3,819	6927,106	17431,000	-10722,162	6558,346	-3,525	-1,644
24,764	5,888	3,819	5796,376	17410,505	-9389,596	6683,399	-3,589	-1,485
25,256	5,888	3,819	4557,826	17431,000	-8025,920	6824,176	-3,647	-1,362
25,748	5,888	3,819	3292,748	17410,505	-6590,219	6948,908	-3,704	-1,218
26,240	5,888	3,819	-3915,445	17431,000	-5116,817	7090,000	-2,563	-3,885
26,732	5,888	3,819	-5209,150	17410,505	-3578,231	7214,415	-2,635	-3,706
27,224	5,888	3,819	-6547,296	17431,000	-1994,853	7355,812	-2,718	-3,525
27,716	5,888	3,819	-7929,884	17410,505	-353,632	7479,907	-2,793	-3,340
28,208	5,888	3,819	-9356,914	17431,000	1339,972	7621,612	-2,879	-3,149

x [m]	A_c (m^2)	I_c (m^4)	$M_{freq,0}$ [kN.m]	P_0 [kN]	P_0 x e [kN.m]	$M_{PE,Hip,0}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
28,700	5,888	3,819	-10828,386	18455,438	3268,646	8210,257	-3,267	-2,824
29,110	6,628	4,437	-12188,860	18368,350	4731,862	8289,387	-2,918	-2,430
29,520	6,628	4,437	-13593,313	18281,262	6027,136	8366,298	-2,899	-2,430
29,930	6,628	4,437	-15037,754	18194,174	7155,570	8442,099	-2,844	-2,516
30,340	6,628	4,437	-16525,240	18107,086	8119,378	8516,791	-2,751	-2,686
30,750	6,628	4,437	-18058,826	18019,998	8920,777	8590,376	-2,622	-2,943
31,160	8,120	5,521	-19641,570	17932,910	9561,982	8662,856	-2,008	-2,675
31,570	8,120	5,521	-21276,528	17845,822	10045,208	8734,225	-1,845	-3,021
31,980	8,120	5,521	-22966,757	17758,734	10372,671	8804,488	-1,651	-3,436
32,390	8,120	5,521	-24715,313	17671,646	10546,587	8873,642	-1,427	-3,921
32,800	8,120	5,521	-26525,252	17584,558	10569,170	8941,691	-1,173	-4,477
33,210	8,120	5,521	-24633,965	17497,470	10442,637	8894,398	-1,406	-3,900
33,620	8,120	5,521	-22808,197	17410,382	10169,203	8847,142	-1,608	-3,394
34,030	8,120	5,521	-21046,888	17323,294	9751,083	8799,909	-1,780	-2,956
34,440	8,120	5,521	-19372,785	17236,206	9190,493	8752,709	-1,921	-2,594
34,850	8,120	5,521	-17750,896	17149,118	8489,649	8705,536	-2,033	-2,295
35,260	6,628	4,437	-16178,164	17062,029	7650,766	8658,397	-2,597	-2,521
35,670	6,628	4,437	-14651,533	16974,941	6676,059	8611,281	-2,673	-2,300
36,080	6,628	4,437	-13167,947	16887,853	5567,744	8564,197	-2,718	-2,153
36,490	6,628	4,437	-11724,349	16800,765	4328,037	8517,143	-2,732	-2,075
36,900	5,888	3,819	-10317,681	16713,677	2960,162	8469,110	-3,066	-2,309
37,356	5,888	3,819	-8795,013	16679,562	1404,291	8448,708	-3,049	-2,329
37,811	5,888	3,819	-7314,165	16645,446	-101,640	8428,288	-3,034	-2,345
38,267	5,888	3,819	-5908,402	16611,330	-1557,964	8407,910	-3,014	-2,373
38,722	5,888	3,819	-4633,031	16577,215	-2964,885	8387,509	-2,977	-2,439
39,178	5,888	3,819	-3395,762	16543,099	-4322,733	8367,153	-2,942	-2,501
39,633	5,888	3,819	3095,646	16508,983	-5631,715	8346,776	-3,992	-0,036
40,089	5,888	3,819	4301,399	16474,868	-6892,159	8326,444	-3,971	-0,066
40,544	5,888	3,819	5535,079	16440,752	-8104,275	8306,093	-3,965	-0,060
41,000	5,888	3,819	6726,938	16406,637	-9268,386	8285,779	-3,961	-0,051
41,492	5,888	3,819	7878,613	16446,791	-10521,229	8302,712	-3,951	-0,098
41,984	5,888	3,819	9053,247	16486,946	-11729,746	8319,626	-3,954	-0,112
42,476	5,888	3,819	10227,108	16527,101	-12893,570	8336,519	-3,966	-0,106

x [m]	A_c (m^2)	I_c (m^4)	$M_{freq,0}$ [kN.m]	P_0 [kN]	P_0 x e [kN.m]	$M_{PE,Hip,0}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
42,968	5,888	3,819	11293,150	16567,255	-14012,331	8353,397	-3,966	-0,130
43,460	5,888	3,819	12307,522	16607,410	-15085,663	8370,254	-3,964	-0,157
43,952	5,888	3,819	13331,331	16647,565	-16113,197	8387,095	-3,973	-0,158
44,444	5,888	3,819	14276,842	16687,720	-17094,566	8403,914	-3,976	-0,174
44,936	5,888	3,819	15114,532	16727,874	-18029,402	8420,717	-3,967	-0,219
45,428	5,888	3,819	15984,749	16768,029	-18917,338	8437,504	-3,973	-0,226
45,920	5,888	3,819	16809,575	16808,184	-19758,005	8454,271	-3,980	-0,232
46,412	5,888	3,819	17497,060	16848,339	-20551,036	8471,016	-3,969	-0,281
46,904	5,888	3,819	18185,625	16888,493	-21296,063	8487,748	-3,968	-0,307
47,396	5,888	3,819	18860,120	16928,648	-21992,718	8504,458	-3,973	-0,317
47,888	5,888	3,819	19426,794	16968,803	-22640,633	8521,150	-3,967	-0,354
48,380	5,888	3,819	19915,170	17008,958	-23239,442	8537,826	-3,955	-0,406
48,872	5,888	3,819	20354,766	17049,112	-23788,775	8554,481	-3,943	-0,457
49,364	5,888	3,819	20802,061	17089,267	-24288,265	8571,116	-3,942	-0,481
49,856	5,888	3,819	21224,405	17129,422	-24737,545	8587,736	-3,947	-0,492
50,348	5,888	3,819	21597,969	17169,577	-25136,246	8604,334	-3,952	-0,503
50,840	5,888	3,819	21922,754	17209,731	-25484,002	8620,916	-3,957	-0,513
51,332	5,888	3,819	22110,200	17249,886	-25780,443	8637,479	-3,945	-0,564
51,824	5,888	3,819	22283,497	17290,041	-26025,203	8654,023	-3,941	-0,597
52,316	5,888	3,819	22457,736	17330,196	-26217,913	8670,546	-3,947	-0,605
52,808	5,888	3,819	22524,082	17370,350	-26358,206	8687,054	-3,942	-0,639
53,300	5,888	3,819	22512,662	17410,505	-26445,714	8703,543	-3,932	-0,685
53,797	5,888	3,819	22536,326	17442,170	-26466,646	8715,733	-3,941	-0,683
54,294	5,888	3,819	22478,910	17473,834	-26433,050	8727,904	-3,944	-0,694
54,791	5,888	3,819	22313,580	17505,499	-26344,630	8740,066	-3,936	-0,730
55,288	5,888	3,819	22152,432	17537,164	-26201,090	8752,209	-3,940	-0,738
55,785	5,888	3,819	21968,283	17568,828	-26002,135	8764,339	-3,951	-0,731
56,282	5,888	3,819	21649,382	17600,493	-25747,468	8776,448	-3,946	-0,761
56,779	5,888	3,819	21303,232	17632,158	-25436,794	8788,548	-3,946	-0,778
57,276	5,888	3,819	20970,021	17663,822	-25069,817	8800,631	-3,961	-0,761
57,773	5,888	3,819	20519,949	17695,487	-24646,240	8812,696	-3,964	-0,773
58,270	5,888	3,819	19997,743	17727,152	-24165,769	8824,747	-3,963	-0,793
58,767	5,888	3,819	19502,617	17758,816	-23628,106	8836,781	-3,979	-0,772

x [m]	A_c (m^2)	I_c (m^4)	$M_{freq,0}$ [kN.m]	P_0 [kN]	P_0 x e [kN.m]	$M_{PE,Hip,0}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
59,264	5,888	3,819	18925,910	17790,481	-23032,956	8848,800	-3,991	-0,763
59,761	5,888	3,819	18250,232	17822,145	-22380,024	8860,804	-3,994	-0,774
60,258	5,888	3,819	17571,472	17853,810	-21669,013	8872,793	-4,009	-0,758
60,755	5,888	3,819	16868,218	17885,475	-20899,628	8884,767	-4,030	-0,726
61,252	5,888	3,819	16039,158	17917,139	-20071,590	8896,745	-4,038	-0,726
61,748	5,888	3,819	15177,836	17948,804	-19184,569	8908,686	-4,051	-0,714
62,245	5,888	3,819	14334,735	17980,469	-18238,285	8920,610	-4,080	-0,664
62,742	5,888	3,819	13365,829	18012,133	-17232,444	8932,526	-4,095	-0,646
63,239	5,888	3,819	12333,734	18043,798	-16166,748	8944,420	-4,110	-0,630
63,736	5,888	3,819	11327,065	18075,463	-15040,902	8956,302	-4,142	-0,573
64,233	5,888	3,819	10231,874	18107,127	-13854,611	8968,162	-4,168	-0,529
64,730	5,888	3,819	9046,657	18138,792	-12607,578	8980,012	-4,189	-0,500
65,227	5,888	3,819	7864,764	18170,457	-11299,507	8991,850	-4,222	-0,439
65,724	5,888	3,819	6661,865	18202,121	-9930,103	9003,668	-4,264	-0,360
66,221	5,888	3,819	5342,106	18233,786	-8499,069	9015,468	-4,295	-0,307
66,718	5,888	3,819	3996,891	18265,450	-7006,110	9027,250	-4,333	-0,236
67,215	5,888	3,819	-3011,505	18297,115	-5450,930	9039,024	-3,225	-2,833
67,712	5,888	3,819	-4335,650	18328,780	-3833,233	9050,778	-3,293	-2,693
68,209	5,888	3,819	-5705,139	18360,444	-2152,722	9062,516	-3,365	-2,544
68,706	5,888	3,819	-7123,562	18392,109	-409,103	9074,238	-3,439	-2,389
69,203	5,888	3,819	-8722,096	18423,774	1397,921	9085,947	-3,489	-2,290
69,700	5,888	3,819	-10370,399	18455,438	3268,646	9097,640	-3,542	-2,184
70,110	6,628	4,437	-11768,227	18368,350	4731,862	9052,658	-3,126	-1,945
70,520	6,628	4,437	-13202,985	18281,262	6027,136	9006,590	-3,080	-2,008
70,930	6,628	4,437	-14677,732	18194,174	7155,570	8960,551	-2,998	-2,155
71,340	6,628	4,437	-16195,522	18107,086	8119,378	8914,546	-2,879	-2,388
71,750	6,628	4,437	-17759,414	18019,998	8920,777	8868,563	-2,724	-2,707
72,160	8,120	5,521	-19372,463	17932,910	9561,982	8822,615	-2,069	-2,534
72,570	8,120	5,521	-21037,726	17845,822	10045,208	8776,693	-1,884	-2,928
72,980	8,120	5,521	-22758,260	17758,734	10372,671	8730,807	-1,670	-3,391
73,390	8,120	5,521	-24537,121	17671,646	10546,587	8684,940	-1,426	-3,924
73,800	8,120	5,521	-26377,366	17584,558	10569,170	8639,112	-1,152	-4,528
74,210	8,120	5,521	-24519,652	17497,470	10442,637	8596,132	-1,380	-3,961

x [m]	A_c (m^2)	I_c (m^4)	$M_{freq,0}$ [kN.m]	P_0 [kN]	P_0 x e [kN.m]	$M_{PE,Hip,0}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
74,620	8,120	5,521	-22731,076	17410,382	10169,203	8553,159	-1,577	-3,465
75,030	8,120	5,521	-21000,826	17323,294	9751,083	8510,182	-1,746	-3,036
75,440	8,120	5,521	-19325,848	17236,206	9190,493	8467,208	-1,887	-2,672
75,850	8,120	5,521	-17703,083	17149,118	8489,649	8424,236	-2,000	-2,372
76,260	6,628	4,437	-16129,476	17062,029	7650,766	8381,267	-2,557	-2,614
76,670	6,628	4,437	-14601,969	16974,941	6676,059	8338,295	-2,634	-2,392
77,080	6,628	4,437	-13117,507	16887,853	5567,744	8295,331	-2,679	-2,242
77,490	6,628	4,437	-11673,033	16800,765	4328,037	8252,363	-2,695	-2,163
77,900	5,888	3,819	-10265,490	16713,677	2960,162	8208,388	-3,023	-2,408
78,356	5,888	3,819	-8741,849	16679,562	1404,291	8191,498	-3,007	-2,426
78,811	5,888	3,819	-7260,029	16645,446	-101,640	8174,576	-2,993	-2,440
79,267	5,888	3,819	-5906,318	16611,330	-1557,964	8157,687	-2,963	-2,491
79,722	5,888	3,819	-4629,075	16577,215	-2964,885	8140,764	-2,927	-2,555
80,178	5,888	3,819	-3389,933	16543,099	-4322,733	8123,870	-2,894	-2,614
80,633	5,888	3,819	3233,815	16508,983	-5631,715	8106,947	-3,971	-0,085
81,089	5,888	3,819	4441,307	16474,868	-6892,159	8090,047	-3,951	-0,112
81,544	5,888	3,819	5674,596	16440,752	-8104,275	8073,121	-3,946	-0,104
82,000	5,888	3,819	6866,065	16406,637	-9268,386	8056,222	-3,942	-0,094
82,492	5,888	3,819	8017,318	16446,791	-10521,229	8075,766	-3,933	-0,140
82,984	5,888	3,819	9209,736	16486,946	-11729,746	8095,306	-3,940	-0,145
83,476	5,888	3,819	10382,720	16527,101	-12893,570	8114,844	-3,953	-0,138
83,968	5,888	3,819	11447,884	16567,255	-14012,331	8134,378	-3,953	-0,161
84,460	5,888	3,819	12462,386	16607,410	-15085,663	8153,909	-3,951	-0,186
84,952	5,888	3,819	13485,294	16647,565	-16113,197	8173,437	-3,961	-0,186
85,444	5,888	3,819	14429,904	16687,720	-17094,566	8192,966	-3,965	-0,201
85,936	5,888	3,819	15266,694	16727,874	-18029,402	8212,487	-3,955	-0,245
86,428	5,888	3,819	16136,601	16768,029	-18917,338	8232,009	-3,962	-0,252
86,920	5,888	3,819	16960,511	16808,184	-19758,005	8251,522	-3,970	-0,257
87,412	5,888	3,819	17647,081	16848,339	-20551,036	8271,038	-3,959	-0,305
87,904	5,888	3,819	18334,998	16888,493	-21296,063	8290,548	-3,958	-0,330
88,396	5,888	3,819	19008,570	16928,648	-21992,718	8310,057	-3,964	-0,339
88,888	5,888	3,819	19574,322	16968,803	-22640,633	8329,562	-3,958	-0,375
89,380	5,888	3,819	20079,159	17008,958	-23239,442	8349,067	-3,950	-0,417

x [m]	A_c (m^2)	I_c (m^4)	$M_{freq,0}$ [kN.m]	P_0 [kN]	P_0 x e [kN.m]	$M_{PE,Hip,0}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
89,872	5,888	3,819	20602,302	17049,112	-23788,775	8368,565	-3,955	-0,427
90,364	5,888	3,819	21047,145	17089,267	-24288,265	8388,059	-3,955	-0,451
90,856	5,888	3,819	21384,168	17129,422	-24737,545	8407,553	-3,943	-0,502
91,348	5,888	3,819	21740,720	17169,577	-25136,246	8427,043	-3,945	-0,520
91,840	5,888	3,819	22064,588	17209,731	-25484,002	8446,529	-3,951	-0,529
92,332	5,888	3,819	22251,115	17249,886	-25780,443	8466,013	-3,939	-0,578
92,824	5,888	3,819	22423,153	17290,041	-26025,203	8485,494	-3,935	-0,611
93,316	5,888	3,819	22596,486	17330,196	-26217,913	8504,973	-3,942	-0,617
93,808	5,888	3,819	22661,998	17370,350	-26358,206	8524,443	-3,937	-0,651
94,300	5,888	3,819	22649,242	17410,505	-26445,714	8543,915	-3,928	-0,696
94,797	5,888	3,819	22672,007	17442,170	-26466,646	8559,214	-3,936	-0,693
95,294	5,888	3,819	22613,694	17473,834	-26433,050	8574,510	-3,940	-0,703
95,791	5,888	3,819	22447,464	17505,499	-26344,630	8589,802	-3,933	-0,738
96,288	5,888	3,819	22285,006	17537,164	-26201,090	8605,090	-3,937	-0,745
96,785	5,888	3,819	22099,979	17568,828	-26002,135	8620,376	-3,949	-0,737
97,282	5,888	3,819	21780,200	17600,493	-25747,468	8635,662	-3,944	-0,766
97,779	5,888	3,819	21432,761	17632,158	-25436,794	8650,943	-3,945	-0,781
98,276	5,888	3,819	21098,696	17663,822	-25069,817	8666,220	-3,960	-0,764
98,773	5,888	3,819	20647,771	17695,487	-24646,240	8681,494	-3,963	-0,775
99,270	5,888	3,819	20124,713	17727,152	-24165,769	8696,766	-3,963	-0,793
99,767	5,888	3,819	19628,381	17758,816	-23628,106	8712,031	-3,980	-0,772
100,264	5,888	3,819	19050,848	17790,481	-23032,956	8727,295	-3,992	-0,761
100,761	5,888	3,819	18374,345	17822,145	-22380,024	8742,556	-3,995	-0,771
101,258	5,888	3,819	17694,466	17853,810	-21669,013	8757,814	-4,010	-0,754
101,755	5,888	3,819	16990,417	17885,475	-20899,628	8773,068	-4,032	-0,721
102,252	5,888	3,819	16160,561	17917,139	-20071,590	8788,338	-4,040	-0,720
102,748	5,888	3,819	15298,228	17948,804	-19184,569	8803,587	-4,054	-0,706
103,245	5,888	3,819	14454,364	17980,469	-18238,285	8818,832	-4,083	-0,656
103,742	5,888	3,819	13484,693	18012,133	-17232,444	8834,074	-4,099	-0,637
104,239	5,888	3,819	12451,834	18043,798	-16166,748	8849,315	-4,114	-0,619
104,736	5,888	3,819	11444,311	18075,463	-15040,902	8864,549	-4,147	-0,561
105,233	5,888	3,819	10348,389	18107,127	-13854,611	8879,783	-4,174	-0,516
105,730	5,888	3,819	9162,441	18138,792	-12607,578	8895,015	-4,195	-0,485

x [m]	A_c (m^2)	I_c (m^4)	$M_{freq,0}$ [kN.m]	P_0 [kN]	P_0 x e [kN.m]	$M_{PE,Hip,0}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
106,227	5,888	3,819	7982,484	18170,457	-11299,507	8910,238	-4,230	-0,422
106,724	5,888	3,819	6790,521	18202,121	-9930,103	8925,461	-4,274	-0,336
107,221	5,888	3,819	5481,698	18233,786	-8499,069	8940,681	-4,308	-0,276
107,718	5,888	3,819	4147,525	18265,450	-7006,110	8955,896	-4,349	-0,198
108,215	5,888	3,819	-2939,347	18297,115	-5450,930	8971,108	-3,226	-2,831
108,712	5,888	3,819	-4273,780	18328,780	-3833,233	8986,318	-3,293	-2,694
109,209	5,888	3,819	-5653,557	18360,444	-2152,722	9001,524	-3,363	-2,549
109,706	5,888	3,819	-7089,365	18392,109	-409,103	9016,724	-3,434	-2,400
110,203	5,888	3,819	-8699,168	18423,774	1397,921	9031,923	-3,483	-2,305
110,700	5,888	3,819	-10358,742	18455,438	3268,646	9047,119	-3,534	-2,202
111,110	6,628	4,437	-11765,866	18368,350	4731,862	9005,328	-3,118	-1,963
111,520	6,628	4,437	-13209,923	18281,262	6027,136	8962,424	-3,071	-2,029
111,930	6,628	4,437	-14693,967	18194,174	7155,570	8919,522	-2,988	-2,179
112,340	6,628	4,437	-16221,055	18107,086	8119,378	8876,622	-2,868	-2,414
112,750	6,628	4,437	-17794,244	18019,998	8920,777	8833,721	-2,712	-2,735
113,160	8,120	5,521	-19416,591	17932,910	9561,982	8790,823	-2,058	-2,559
113,570	8,120	5,521	-21091,152	17845,822	10045,208	8747,927	-1,873	-2,955
113,980	8,120	5,521	-22820,983	17758,734	10372,671	8705,032	-1,658	-3,420
114,390	8,120	5,521	-24609,142	17671,646	10546,587	8662,137	-1,412	-3,956
114,800	8,120	5,521	-26458,684	17584,558	10569,170	8619,249	-1,137	-4,561
115,210	8,120	5,521	-24607,611	17497,470	10442,637	8576,474	-1,364	-3,996
115,620	8,120	5,521	-22818,480	17410,382	10169,203	8533,701	-1,562	-3,500
116,030	8,120	5,521	-21087,675	17323,294	9751,083	8490,929	-1,731	-3,071
116,440	8,120	5,521	-19412,142	17236,206	9190,493	8448,159	-1,872	-2,707
116,850	8,120	5,521	-17788,822	17149,118	8489,649	8405,384	-1,986	-2,407
117,260	6,628	4,437	-16214,660	17062,029	7650,766	8362,614	-2,539	-2,657
117,670	6,628	4,437	-14686,598	16974,941	6676,059	8319,842	-2,616	-2,434
118,080	6,628	4,437	-13201,582	16887,853	5567,744	8277,073	-2,661	-2,284
118,490	6,628	4,437	-11756,552	16800,765	4328,037	8234,300	-2,677	-2,204
118,900	5,888	3,819	-10348,454	16713,677	2960,162	8190,522	-3,003	-2,456
119,356	5,888	3,819	-8824,197	16679,562	1404,291	8173,784	-2,987	-2,474
119,811	5,888	3,819	-7341,760	16645,446	-101,640	8157,009	-2,973	-2,487
120,267	5,888	3,819	-5991,266	16611,330	-1557,964	8140,267	-2,942	-2,540

x [m]	A_c (m^2)	I_c (m^4)	$M_{freq,0}$ [kN.m]	P_0 [kN]	P_0 x e [kN.m]	$M_{PE,Hip,0}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
120,722	5,888	3,819	-4713,341	16577,215	-2964,885	8123,492	-2,906	-2,603
121,178	5,888	3,819	-3473,517	16543,099	-4322,733	8106,747	-2,873	-2,662
121,633	5,888	3,819	3486,521	16508,983	-5631,715	8089,967	-4,019	0,027
122,089	5,888	3,819	4688,874	16474,868	-6892,159	8073,216	-3,998	-0,002
122,544	5,888	3,819	5916,871	16440,752	-8104,275	8056,441	-3,992	0,003
123,000	5,888	3,819	7103,047	16406,637	-9268,386	8039,686	-3,988	0,011
123,492	5,888	3,819	8248,880	16446,791	-10521,229	8059,306	-3,977	-0,037
123,984	5,888	3,819	9436,354	16486,946	-11729,746	8078,927	-3,983	-0,045
124,476	5,888	3,819	10603,344	16527,101	-12893,570	8098,544	-3,995	-0,041
124,968	5,888	3,819	11662,515	16567,255	-14012,331	8118,160	-3,993	-0,066
125,460	5,888	3,819	12671,097	16607,410	-15085,663	8137,772	-3,991	-0,095
125,952	5,888	3,819	13688,011	16647,565	-16113,197	8157,384	-3,999	-0,097
126,444	5,888	3,819	14626,626	16687,720	-17094,566	8176,994	-4,001	-0,115
126,936	5,888	3,819	15457,421	16727,874	-18029,402	8196,602	-3,991	-0,162
127,428	5,888	3,819	16321,375	16768,029	-18917,338	8216,203	-3,997	-0,171
127,920	5,888	3,819	17139,289	16808,184	-19758,005	8235,807	-4,003	-0,179
128,412	5,888	3,819	17819,864	16848,339	-20551,036	8255,405	-3,991	-0,230
128,904	5,888	3,819	18501,807	16888,493	-21296,063	8275,002	-3,989	-0,258
129,396	5,888	3,819	19169,383	16928,648	-21992,718	8294,597	-3,994	-0,269
129,888	5,888	3,819	19729,132	16968,803	-22640,633	8314,190	-3,987	-0,309
130,380	5,888	3,819	20227,977	17008,958	-23239,442	8333,781	-3,977	-0,354
130,872	5,888	3,819	20745,123	17049,112	-23788,775	8353,368	-3,981	-0,367
131,364	5,888	3,819	21183,971	17089,267	-24288,265	8372,952	-3,980	-0,393
131,856	5,888	3,819	21514,998	17129,422	-24737,545	8392,534	-3,966	-0,447
132,348	5,888	3,819	21865,540	17169,577	-25136,246	8412,112	-3,967	-0,467
132,840	5,888	3,819	22183,412	17209,731	-25484,002	8431,689	-3,972	-0,479
133,332	5,888	3,819	22363,944	17249,886	-25780,443	8451,266	-3,959	-0,532
133,824	5,888	3,819	22529,963	17290,041	-26025,203	8470,835	-3,954	-0,567
134,316	5,888	3,819	22697,300	17330,196	-26217,913	8490,407	-3,959	-0,576
134,808	5,888	3,819	22756,817	17370,350	-26358,206	8509,973	-3,954	-0,612
135,300	5,888	3,819	22738,038	17410,505	-26445,714	8529,539	-3,943	-0,660
135,797	5,888	3,819	22754,749	17442,170	-26466,646	8544,939	-3,950	-0,660
136,294	5,888	3,819	22690,380	17473,834	-26433,050	8560,337	-3,953	-0,673

x [m]	A_c (m^2)	I_c (m^4)	$M_{freq,0}$ [kN.m]	P_0 [kN]	P_0 x e [kN.m]	$M_{PE,Hip,0}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
136,791	5,888	3,819	22518,097	17505,499	-26344,630	8575,735	-3,944	-0,711
137,288	5,888	3,819	22349,553	17537,164	-26201,090	8591,127	-3,948	-0,721
137,785	5,888	3,819	22158,474	17568,828	-26002,135	8606,520	-3,958	-0,715
138,282	5,888	3,819	21832,642	17600,493	-25747,468	8621,907	-3,952	-0,747
138,779	5,888	3,819	21479,120	17632,158	-25436,794	8637,291	-3,951	-0,766
139,276	5,888	3,819	21139,004	17663,822	-25069,817	8652,674	-3,965	-0,751
139,773	5,888	3,819	20682,028	17695,487	-24646,240	8668,053	-3,967	-0,765
140,270	5,888	3,819	20152,918	17727,152	-24165,769	8683,431	-3,966	-0,786
140,767	5,888	3,819	19650,510	17758,816	-23628,106	8698,806	-3,981	-0,768
141,264	5,888	3,819	19066,927	17790,481	-23032,956	8714,178	-3,992	-0,760
141,761	5,888	3,819	18384,375	17822,145	-22380,024	8729,548	-3,995	-0,772
142,258	5,888	3,819	17698,425	17853,810	-21669,013	8744,915	-4,008	-0,758
142,755	5,888	3,819	16988,329	17885,475	-20899,628	8760,277	-4,029	-0,728
143,252	5,888	3,819	16152,427	17917,139	-20071,590	8775,654	-4,036	-0,730
143,748	5,888	3,819	15284,032	17948,804	-19184,569	8791,012	-4,048	-0,719
144,245	5,888	3,819	14434,122	17980,469	-18238,285	8806,370	-4,077	-0,671
144,742	5,888	3,819	13458,407	18012,133	-17232,444	8821,725	-4,091	-0,655
145,239	5,888	3,819	12419,504	18043,798	-16166,748	8837,076	-4,105	-0,640
145,736	5,888	3,819	11405,930	18075,463	-15040,902	8852,423	-4,137	-0,585
146,233	5,888	3,819	10303,964	18107,127	-13854,611	8867,765	-4,162	-0,543
146,730	5,888	3,819	9111,975	18138,792	-12607,578	8883,105	-4,182	-0,515
147,227	5,888	3,819	7926,758	18170,457	-11299,507	8898,447	-4,216	-0,454
147,724	5,888	3,819	6732,146	18202,121	-9930,103	8913,782	-4,260	-0,369
148,221	5,888	3,819	5420,674	18233,786	-8499,069	8929,115	-4,293	-0,310
148,718	5,888	3,819	4083,861	18265,450	-7006,110	8944,447	-4,333	-0,234
149,215	5,888	3,819	-2982,466	18297,115	-5450,930	8959,773	-3,215	-2,857
149,712	5,888	3,819	-4319,343	18328,780	-3833,233	8975,099	-3,281	-2,721
150,209	5,888	3,819	-5701,565	18360,444	-2152,722	8990,420	-3,350	-2,577
150,706	5,888	3,819	-7140,350	18392,109	-409,103	9005,737	-3,421	-2,430
151,203	5,888	3,819	-8752,669	18423,774	1397,921	9021,053	-3,470	-2,335
151,700	5,888	3,819	-10414,758	18455,438	3268,646	9036,365	-3,521	-2,234
152,110	6,628	4,437	-11823,959	18368,350	4731,862	8994,739	-3,106	-1,991
152,520	6,628	4,437	-13270,090	18281,262	6027,136	8951,995	-3,059	-2,058

x [m]	A_c (m^2)	I_c (m^4)	$M_{freq,0}$ [kN.m]	P_0 [kN]	P_0 x e [kN.m]	$M_{PE,Hip,0}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
152,930	6,628	4,437	-14756,209	18194,174	7155,570	8909,255	-2,975	-2,209
153,340	6,628	4,437	-16285,373	18107,086	8119,378	8866,511	-2,855	-2,445
153,750	6,628	4,437	-17860,638	18019,998	8920,777	8823,771	-2,698	-2,766
154,160	8,120	5,521	-19485,060	17932,910	9561,982	8781,028	-2,047	-2,585
154,570	8,120	5,521	-21161,696	17845,822	10045,208	8738,290	-1,861	-2,981
154,980	8,120	5,521	-22893,603	17758,734	10372,671	8695,551	-1,646	-3,448
155,390	8,120	5,521	-24683,837	17671,646	10546,587	8652,810	-1,401	-3,983
155,800	8,120	5,521	-26535,454	17584,558	10569,170	8610,073	-1,125	-4,589
156,210	8,120	5,521	-24682,054	17497,470	10442,637	8567,713	-1,353	-4,024
156,620	8,120	5,521	-22890,037	17410,382	10169,203	8525,355	-1,551	-3,527
157,030	8,120	5,521	-21156,348	17323,294	9751,083	8482,991	-1,720	-3,096
157,440	8,120	5,521	-19477,929	17236,206	9190,493	8440,625	-1,862	-2,731
157,850	8,120	5,521	-17851,724	17149,118	8489,649	8398,253	-1,976	-2,430
158,260	6,628	4,437	-16274,677	17062,029	7650,766	8355,883	-2,527	-2,684
158,670	6,628	4,437	-14743,730	16974,941	6676,059	8313,507	-2,604	-2,460
159,080	6,628	4,437	-13255,828	16887,853	5567,744	8271,126	-2,651	-2,309
159,490	6,628	4,437	-11807,914	16800,765	4328,037	8228,743	-2,667	-2,228
159,900	5,888	3,819	-10396,931	16713,677	2960,162	8185,347	-2,992	-2,482
160,356	5,888	3,819	-8869,468	16679,562	1404,291	8169,012	-2,977	-2,498
160,811	5,888	3,819	-7383,825	16645,446	-101,640	8152,639	-2,963	-2,509
161,267	5,888	3,819	-6030,435	16611,330	-1557,964	8136,298	-2,933	-2,560
161,722	5,888	3,819	-4749,295	16577,215	-2964,885	8119,919	-2,898	-2,622
162,178	5,888	3,819	-3506,256	16543,099	-4322,733	8103,570	-2,866	-2,679
162,633	5,888	3,819	3457,312	16508,983	-5631,715	8087,189	-4,013	0,012
163,089	5,888	3,819	4664,357	16474,868	-6892,159	8070,832	-3,993	-0,015
163,544	5,888	3,819	5897,035	16440,752	-8104,275	8054,448	-3,988	-0,007
164,000	5,888	3,819	7087,892	16406,637	-9268,386	8038,083	-3,984	0,003
164,492	5,888	3,819	8238,860	16446,791	-10521,229	8058,120	-3,974	-0,042
164,984	5,888	3,819	9430,473	16486,946	-11729,746	8078,157	-3,982	-0,048
165,476	5,888	3,819	10601,596	16527,101	-12893,570	8098,195	-3,994	-0,042
165,968	5,888	3,819	11664,898	16567,255	-14012,331	8118,230	-3,994	-0,065
166,460	5,888	3,819	12677,616	16607,410	-15085,663	8138,268	-3,992	-0,091
166,952	5,888	3,819	13698,662	16647,565	-16113,197	8158,305	-4,002	-0,092

x [m]	A_c (m^2)	I_c (m^4)	$M_{freq,0}$ [kN.m]	P_0 [kN]	P_0 x e [kN.m]	$M_{PE,Hip,0}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
167,444	5,888	3,819	14641,409	16687,720	-17094,566	8178,341	-4,005	-0,107
167,936	5,888	3,819	15476,336	16727,874	-18029,402	8198,375	-3,995	-0,152
168,428	5,888	3,819	16344,424	16768,029	-18917,338	8218,411	-4,002	-0,159
168,920	5,888	3,819	17166,470	16808,184	-19758,005	8238,446	-4,009	-0,165
169,412	5,888	3,819	17851,175	16848,339	-20551,036	8258,481	-3,998	-0,214
169,904	5,888	3,819	18537,248	16888,493	-21296,063	8278,515	-3,997	-0,239
170,396	5,888	3,819	19208,955	16928,648	-21992,718	8298,549	-4,003	-0,249
170,888	5,888	3,819	19772,841	16968,803	-22640,633	8318,580	-3,996	-0,286
171,380	5,888	3,819	20275,812	17008,958	-23239,442	8338,617	-3,988	-0,329
171,872	5,888	3,819	20797,089	17049,112	-23788,775	8358,650	-3,993	-0,339
172,364	5,888	3,819	21240,068	17089,267	-24288,265	8378,682	-3,992	-0,364
172,856	5,888	3,819	21575,226	17129,422	-24737,545	8398,711	-3,980	-0,415
173,348	5,888	3,819	21929,896	17169,577	-25136,246	8418,745	-3,982	-0,434
173,840	5,888	3,819	22251,899	17209,731	-25484,002	8438,775	-3,987	-0,443
174,332	5,888	3,819	22436,562	17249,886	-25780,443	8458,806	-3,975	-0,494
174,824	5,888	3,819	22606,708	17290,041	-26025,203	8478,834	-3,971	-0,526
175,316	5,888	3,819	22778,177	17330,196	-26217,913	8498,864	-3,978	-0,534
175,808	5,888	3,819	22841,825	17370,350	-26358,206	8518,893	-3,973	-0,568
176,300	5,888	3,819	22827,174	17410,505	-26445,714	8538,921	-3,963	-0,614
176,797	5,888	3,819	22848,056	17442,170	-26466,646	8554,789	-3,972	-0,611
177,294	5,888	3,819	22787,860	17473,834	-26433,050	8570,655	-3,975	-0,622
177,791	5,888	3,819	22619,749	17505,499	-26344,630	8586,520	-3,967	-0,658
178,288	5,888	3,819	22401,868	17537,164	-26201,090	8602,382	-3,961	-0,691
178,785	5,888	3,819	22134,218	17568,828	-26002,135	8618,247	-3,955	-0,721
179,282	5,888	3,819	21883,629	17600,493	-25747,468	8634,108	-3,965	-0,717
179,779	5,888	3,819	21597,456	17632,158	-25436,794	8649,968	-3,978	-0,703
180,276	5,888	3,819	21261,514	17663,822	-25069,817	8665,828	-3,993	-0,686
180,773	5,888	3,819	20808,711	17695,487	-24646,240	8681,687	-3,996	-0,698
181,270	5,888	3,819	20283,773	17727,152	-24165,769	8697,544	-3,995	-0,717
181,767	5,888	3,819	19785,536	17758,816	-23628,106	8713,400	-4,012	-0,696
182,264	5,888	3,819	19206,127	17790,481	-23032,956	8729,255	-4,024	-0,687
182,761	5,888	3,819	18527,748	17822,145	-22380,024	8745,112	-4,027	-0,697
183,258	5,888	3,819	17845,971	17853,810	-21669,013	8760,962	-4,042	-0,680

x [m]	A_c (m^2)	I_c (m^4)	$M_{freq,0}$ [kN.m]	P_0 [kN]	P_0 x e [kN.m]	$M_{PE,Hip,0}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
183,755	5,888	3,819	17140,048	17885,475	-20899,628	8776,815	-4,063	-0,648
184,252	5,888	3,819	16308,319	17917,139	-20071,590	8792,682	-4,071	-0,648
184,748	5,888	3,819	15444,099	17948,804	-19184,569	8808,535	-4,085	-0,635
185,245	5,888	3,819	14598,363	17980,469	-18238,285	8824,382	-4,114	-0,585
185,742	5,888	3,819	13626,821	18012,133	-17232,444	8840,232	-4,129	-0,566
186,239	5,888	3,819	12592,091	18043,798	-16166,748	8856,078	-4,144	-0,549
186,736	5,888	3,819	11582,696	18075,463	-15040,902	8871,926	-4,177	-0,491
187,233	5,888	3,819	10484,904	18107,127	-13854,611	8887,768	-4,204	-0,447
187,730	5,888	3,819	9297,088	18138,792	-12607,578	8903,613	-4,224	-0,417
188,227	5,888	3,819	8116,355	18170,457	-11299,507	8919,452	-4,259	-0,354
188,724	5,888	3,819	6926,850	18202,121	-9930,103	8935,297	-4,304	-0,266
189,221	5,888	3,819	5620,485	18233,786	-8499,069	8951,134	-4,338	-0,205
189,718	5,888	3,819	4288,790	18265,450	-7006,110	8966,972	-4,380	-0,126
190,215	5,888	3,819	-2772,915	18297,115	-5450,930	8982,809	-3,263	-2,746
190,712	5,888	3,819	-4106,285	18328,780	-3833,233	8998,646	-3,329	-2,608
191,209	5,888	3,819	-5484,999	18360,444	-2152,722	9014,479	-3,400	-2,462
191,706	5,888	3,819	-6920,595	18392,109	-409,103	9030,312	-3,471	-2,314
192,203	5,888	3,819	-8529,417	18423,774	1397,921	9046,144	-3,520	-2,217
192,700	5,888	3,819	-10188,009	18455,438	3268,646	9061,975	-3,572	-2,114
193,110	6,628	4,437	-11594,324	18368,350	4731,862	9020,614	-3,151	-1,887
193,520	6,628	4,437	-13037,570	18281,262	6027,136	8978,139	-3,105	-1,952
193,930	6,628	4,437	-14520,805	18194,174	7155,570	8935,656	-3,021	-2,101
194,340	6,628	4,437	-16047,083	18107,086	8119,378	8893,174	-2,902	-2,336
194,750	6,628	4,437	-17619,463	18019,998	8920,777	8850,685	-2,746	-2,656
195,160	8,120	5,521	-19241,000	17932,910	9561,982	8808,197	-2,085	-2,496
195,570	8,120	5,521	-20914,751	17845,822	10045,208	8765,703	-1,900	-2,891
195,980	8,120	5,521	-22643,772	17758,734	10372,671	8723,203	-1,685	-3,356
196,390	8,120	5,521	-24431,121	17671,646	10546,587	8680,705	-1,440	-3,891
196,800	8,120	5,521	-26280,411	17584,558	10569,170	8638,201	-1,165	-4,496
197,210	8,120	5,521	-24439,382	17497,470	10442,637	8594,379	-1,391	-3,935
197,620	8,120	5,521	-22659,738	17410,382	10169,203	8550,570	-1,587	-3,442
198,030	8,120	5,521	-20938,420	17323,294	9751,083	8506,768	-1,754	-3,017
198,440	8,120	5,521	-19272,373	17236,206	9190,493	8462,975	-1,894	-2,656

x [m]	A_c (m^2)	I_c (m^4)	$M_{freq,0}$ [kN.m]	P_0 [kN]	P_0 x e [kN.m]	$M_{PE,Hip,0}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
198,850	8,120	5,521	-17658,540	17149,118	8489,649	8419,192	-2,006	-2,359
199,260	6,628	4,437	-16093,864	17062,029	7650,766	8375,423	-2,562	-2,602
199,670	6,628	4,437	-14575,289	16974,941	6676,059	8331,660	-2,637	-2,384
200,080	6,628	4,437	-13099,759	16887,853	5567,744	8287,907	-2,681	-2,238
200,490	6,628	4,437	-11664,217	16800,765	4328,037	8244,164	-2,695	-2,163
200,900	5,888	3,819	-10265,606	16713,677	2960,162	8199,422	-3,021	-2,413
201,356	5,888	3,819	-8751,889	16679,562	1404,291	8181,655	-3,003	-2,435
201,811	5,888	3,819	-7279,992	16645,446	-101,640	8163,857	-2,987	-2,454
202,267	5,888	3,819	-5940,829	16611,330	-1557,964	8146,094	-2,953	-2,513
202,722	5,888	3,819	-4673,370	16577,215	-2964,885	8128,301	-2,916	-2,582
203,178	5,888	3,819	-3444,012	16543,099	-4322,733	8110,542	-2,880	-2,646
203,633	5,888	3,819	3528,966	16508,983	-5631,715	8092,756	-4,029	0,049
204,089	5,888	3,819	4722,152	16474,868	-6892,159	8075,000	-4,005	0,014
204,544	5,888	3,819	5940,961	16440,752	-8104,275	8057,222	-3,997	0,015
205,000	5,888	3,819	7117,950	16406,637	-9268,386	8039,471	-3,991	0,018
205,492	5,888	3,819	8253,907	16446,791	-10521,229	8058,018	-3,977	-0,035
205,984	5,888	3,819	9427,183	16486,946	-11729,746	8076,556	-3,981	-0,050
206,476	5,888	3,819	10579,968	16527,101	-12893,570	8095,086	-3,989	-0,053
206,968	5,888	3,819	11624,933	16567,255	-14012,331	8113,609	-3,985	-0,087
207,460	5,888	3,819	12619,304	16607,410	-15085,663	8132,125	-3,979	-0,122
207,952	5,888	3,819	13622,010	16647,565	-16113,197	8150,632	-3,985	-0,132
208,444	5,888	3,819	14546,417	16687,720	-17094,566	8169,133	-3,983	-0,157
208,936	5,888	3,819	15363,004	16727,874	-18029,402	8187,628	-3,970	-0,211
209,428	5,888	3,819	16212,734	16768,029	-18917,338	8206,112	-3,973	-0,228
209,920	5,888	3,819	17016,437	16808,184	-19758,005	8224,591	-3,976	-0,243
210,412	5,888	3,819	17682,801	16848,339	-20551,036	8243,060	-3,960	-0,302
210,904	5,888	3,819	18350,510	16888,493	-21296,063	8261,522	-3,955	-0,336
211,396	5,888	3,819	19003,872	16928,648	-21992,718	8279,976	-3,957	-0,355
211,888	5,888	3,819	19549,408	16968,803	-22640,633	8298,421	-3,947	-0,402
212,380	5,888	3,819	20034,011	17008,958	-23239,442	8316,861	-3,934	-0,454
212,872	5,888	3,819	20536,941	17049,112	-23788,775	8335,294	-3,935	-0,474
213,364	5,888	3,819	20961,573	17089,267	-24288,265	8353,716	-3,930	-0,508
213,856	5,888	3,819	21278,385	17129,422	-24737,545	8372,133	-3,914	-0,569

x [m]	A_c (m^2)	I_c (m^4)	$M_{freq,0}$ [kN.m]	P_0 [kN]	P_0 x e [kN.m]	$M_{PE,Hip,0}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
214,348	5,888	3,819	21614,677	17169,577	-25136,246	8390,542	-3,912	-0,597
214,840	5,888	3,819	21918,332	17209,731	-25484,002	8408,942	-3,913	-0,616
215,332	5,888	3,819	22084,647	17249,886	-25780,443	8427,334	-3,897	-0,676
215,824	5,888	3,819	22236,413	17290,041	-26025,203	8445,720	-3,889	-0,719
216,316	5,888	3,819	22389,532	17330,196	-26217,913	8464,095	-3,891	-0,735
216,808	5,888	3,819	22434,830	17370,350	-26358,206	8482,467	-3,882	-0,779
217,300	5,888	3,819	22401,830	17410,505	-26445,714	8500,829	-3,868	-0,834
217,797	5,888	3,819	22404,147	17442,170	-26466,646	8515,022	-3,873	-0,842
218,294	5,888	3,819	22325,415	17473,834	-26433,050	8529,213	-3,872	-0,862
218,791	5,888	3,819	22138,768	17505,499	-26344,630	8543,395	-3,860	-0,907
219,288	5,888	3,819	21955,834	17537,164	-26201,090	8557,569	-3,860	-0,925
219,785	5,888	3,819	21750,390	17568,828	-26002,135	8571,741	-3,867	-0,926
220,282	5,888	3,819	21410,194	17600,493	-25747,468	8585,902	-3,858	-0,966
220,779	5,888	3,819	21042,292	17632,158	-25436,794	8600,057	-3,854	-0,992
221,276	5,888	3,819	20687,812	17663,822	-25069,817	8614,204	-3,865	-0,984
221,773	5,888	3,819	20216,471	17695,487	-24646,240	8628,344	-3,864	-1,006
222,270	5,888	3,819	19672,996	17727,152	-24165,769	8642,478	-3,859	-1,034
222,767	5,888	3,819	19156,222	17758,816	-23628,106	8656,607	-3,872	-1,023
223,264	5,888	3,819	18558,276	17790,481	-23032,956	8670,728	-3,879	-1,023
223,761	5,888	3,819	17861,359	17822,145	-22380,024	8684,841	-3,879	-1,043
224,258	5,888	3,819	17161,065	17853,810	-21669,013	8698,947	-3,889	-1,036
224,755	5,888	3,819	16436,605	17885,475	-20899,628	8713,045	-3,907	-1,013
225,252	5,888	3,819	15586,339	17917,139	-20071,590	8727,156	-3,910	-1,023
225,748	5,888	3,819	14703,626	17948,804	-19184,569	8741,244	-3,919	-1,019
226,245	5,888	3,819	13839,355	17980,469	-18238,285	8755,323	-3,944	-0,979
226,742	5,888	3,819	12849,277	18012,133	-17232,444	8769,396	-3,956	-0,970
227,239	5,888	3,819	11796,011	18043,798	-16166,748	8783,462	-3,967	-0,963
227,736	5,888	3,819	10768,154	18075,463	-15040,902	8797,520	-3,995	-0,915
228,233	5,888	3,819	9651,829	18107,127	-13854,611	8811,570	-4,018	-0,880
228,730	5,888	3,819	8445,479	18138,792	-12607,578	8825,616	-4,034	-0,860
229,227	5,888	3,819	7247,623	18170,457	-11299,507	8839,654	-4,065	-0,806
229,724	5,888	3,819	6039,864	18202,121	-9930,103	8853,684	-4,106	-0,727
230,221	5,888	3,819	4715,244	18233,786	-8499,069	8867,707	-4,136	-0,675

x [m]	A_c (m^2)	I_c (m^4)	$M_{freq,0}$ [kN.m]	P_0 [kN]	P_0 x e [kN.m]	$M_{PE,Hip,0}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
230,718	5,888	3,819	3365,447	18265,450	-7006,110	8881,724	-4,174	-0,606
231,215	5,888	3,819	-3375,644	18297,115	-5450,930	8895,732	-3,122	-3,074
231,712	5,888	3,819	-4720,750	18328,780	-3833,233	8909,735	-3,186	-2,943
232,209	5,888	3,819	-6111,201	18360,444	-2152,722	8923,729	-3,253	-2,804
232,706	5,888	3,819	-7562,420	18392,109	-409,103	8937,717	-3,321	-2,663
233,203	5,888	3,819	-9183,050	18423,774	1397,921	8951,697	-3,367	-2,573
233,700	5,888	3,819	-10853,450	18455,438	3268,646	8965,669	-3,417	-2,477
234,110	6,628	4,437	-12269,506	18368,350	4731,862	8923,374	-3,015	-2,203
234,520	6,628	4,437	-13722,494	18281,262	6027,136	8879,972	-2,967	-2,273
234,930	6,628	4,437	-15215,470	18194,174	7155,570	8836,580	-2,882	-2,427
235,340	6,628	4,437	-16751,490	18107,086	8119,378	8793,201	-2,760	-2,666
235,750	6,628	4,437	-18333,611	18019,998	8920,777	8749,829	-2,602	-2,991
236,160	8,120	5,521	-19964,889	17932,910	9561,982	8706,467	-1,969	-2,768
236,570	8,120	5,521	-21648,382	17845,822	10045,208	8663,115	-1,782	-3,167
236,980	8,120	5,521	-23387,145	17758,734	10372,671	8619,774	-1,565	-3,635
237,390	8,120	5,521	-25184,235	17671,646	10546,587	8576,442	-1,319	-4,173
237,800	8,120	5,521	-27050,462	17584,558	10569,170	8533,121	-1,041	-4,784
238,210	8,120	5,521	-25173,148	17497,470	10442,637	8494,754	-1,273	-4,209
238,620	8,120	5,521	-23357,216	17410,382	10169,203	8456,350	-1,475	-3,703
239,030	8,120	5,521	-21599,612	17323,294	9751,083	8417,906	-1,648	-3,264
239,440	8,120	5,521	-19897,279	17236,206	9190,493	8379,421	-1,794	-2,890
239,850	8,120	5,521	-18247,159	17149,118	8489,649	8340,898	-1,912	-2,579
240,260	6,628	4,437	-16646,197	17062,029	7650,766	8302,338	-2,452	-2,858
240,670	6,628	4,437	-15091,336	16974,941	6676,059	8263,735	-2,534	-2,623
241,080	6,628	4,437	-13579,519	16887,853	5567,744	8225,094	-2,586	-2,461
241,490	6,628	4,437	-12107,690	16800,765	4328,037	8186,415	-2,606	-2,368
241,900	5,888	3,819	-10672,793	16713,677	2960,162	8146,687	-2,927	-2,632
242,356	5,888	3,819	-9118,758	16679,562	1404,291	8134,252	-2,919	-2,633
242,811	5,888	3,819	-7606,543	16645,446	-101,640	8121,767	-2,911	-2,630
243,267	5,888	3,819	-6233,422	16611,330	-1557,964	8109,296	-2,886	-2,670
243,722	5,888	3,819	-4924,745	16577,215	-2964,885	8096,774	-2,858	-2,717
244,178	5,888	3,819	-3654,169	16543,099	-4322,733	8084,264	-2,831	-2,758
244,633	5,888	3,819	3281,210	16508,983	-5631,715	8071,707	-3,974	-0,079

x [m]	A_c (m^2)	I_c (m^4)	$M_{freq,0}$ [kN.m]	P_0 [kN]	P_0 x e [kN.m]	$M_{PE,Hip,0}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
245,089	5,888	3,819	4535,194	16474,868	-6892,159	8059,158	-3,964	-0,082
245,544	5,888	3,819	5814,676	16440,752	-8104,275	8046,565	-3,969	-0,050
246,000	5,888	3,819	7052,338	16406,637	-9268,386	8033,978	-3,976	-0,016
246,492	5,888	3,819	8253,690	16446,791	-10521,229	8058,076	-3,977	-0,035
246,984	5,888	3,819	9480,942	16486,946	-11729,746	8082,194	-3,993	-0,022
247,476	5,888	3,819	10687,705	16527,101	-12893,570	8106,331	-4,013	0,003
247,968	5,888	3,819	11786,647	16567,255	-14012,331	8130,488	-4,021	-0,001
248,460	5,888	3,819	12834,865	16607,410	-15085,663	8154,668	-4,028	-0,009
248,952	5,888	3,819	13891,515	16647,565	-16113,197	8178,864	-4,045	0,010
249,444	5,888	3,819	14869,867	16687,720	-17094,566	8203,080	-4,057	0,013
249,936	5,888	3,819	15740,398	16727,874	-18029,402	8227,316	-4,055	-0,013
250,428	5,888	3,819	16643,821	16768,029	-18917,338	8251,572	-4,070	-0,001
250,920	5,888	3,819	17501,437	16808,184	-19758,005	8275,845	-4,085	0,012
251,412	5,888	3,819	18221,714	16848,339	-20551,036	8300,142	-4,082	-0,018
251,904	5,888	3,819	18943,006	16888,493	-21296,063	8324,457	-4,089	-0,024
252,396	5,888	3,819	19650,252	16928,648	-21992,718	8348,789	-4,103	-0,014
252,888	5,888	3,819	20249,678	16968,803	-22640,633	8373,142	-4,105	-0,033
253,380	5,888	3,819	20787,777	17008,958	-23239,442	8397,515	-4,104	-0,057
253,872	5,888	3,819	21344,564	17049,112	-23788,775	8421,909	-4,118	-0,049
254,364	5,888	3,819	21823,053	17089,267	-24288,265	8446,320	-4,125	-0,054
254,856	5,888	3,819	22193,721	17129,422	-24737,545	8470,751	-4,121	-0,086
255,348	5,888	3,819	22583,431	17169,577	-25136,246	8495,201	-4,131	-0,086
255,840	5,888	3,819	22940,917	17209,731	-25484,002	8519,669	-4,145	-0,076
256,332	5,888	3,819	23161,064	17249,886	-25780,443	8544,160	-4,141	-0,108
256,824	5,888	3,819	23366,229	17290,041	-26025,203	8568,669	-4,145	-0,122
257,316	5,888	3,819	23573,159	17330,196	-26217,913	8593,196	-4,160	-0,110
257,808	5,888	3,819	23672,268	17370,350	-26358,206	8617,742	-4,163	-0,125
258,300	5,888	3,819	23693,079	17410,505	-26445,714	8642,310	-4,161	-0,152
258,797	5,888	3,819	23749,342	17442,170	-26466,646	8662,726	-4,178	-0,131
259,294	5,888	3,819	23724,948	17473,834	-26433,050	8683,159	-4,189	-0,122
259,791	5,888	3,819	23592,640	17505,499	-26344,630	8703,604	-4,190	-0,139
260,288	5,888	3,819	23463,724	17537,164	-26201,090	8724,065	-4,203	-0,127
260,785	5,888	3,819	23312,606	17568,828	-26002,135	8744,539	-4,222	-0,100

x [m]	A_c (m^2)	I_c (m^4)	$M_{freq,0}$ [kN.m]	P_0 [kN]	P_0 x e [kN.m]	$M_{PE,Hip,0}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
261,282	5,888	3,819	23026,737	17600,493	-25747,468	8765,029	-4,225	-0,110
261,779	5,888	3,819	22712,980	17632,158	-25436,794	8785,535	-4,234	-0,108
262,276	5,888	3,819	22412,821	17663,822	-25069,817	8806,054	-4,257	-0,071
262,773	5,888	3,819	21995,801	17695,487	-24646,240	8826,590	-4,268	-0,064
263,270	5,888	3,819	21506,647	17727,152	-24165,769	8847,140	-4,276	-0,064
263,767	5,888	3,819	21044,208	17758,816	-23628,106	8867,703	-4,301	-0,023
264,264	5,888	3,819	20500,582	17790,481	-23032,956	8888,282	-4,321	0,006
264,761	5,888	3,819	19857,987	17822,145	-22380,024	8908,874	-4,333	0,015
265,258	5,888	3,819	19212,291	17853,810	-21669,013	8929,482	-4,356	0,051
265,755	5,888	3,819	18542,159	17885,475	-20899,628	8950,106	-4,386	0,102
266,252	5,888	3,819	17746,222	17917,139	-20071,590	8970,761	-4,402	0,122
266,748	5,888	3,819	16918,445	17948,804	-19184,569	8991,416	-4,423	0,155
267,245	5,888	3,819	16108,517	17980,469	-18238,285	9012,082	-4,461	0,224
267,742	5,888	3,819	15172,783	18012,133	-17232,444	9032,766	-4,485	0,262
268,239	5,888	3,819	14173,860	18043,798	-16166,748	9053,462	-4,508	0,298
268,736	5,888	3,819	13201,383	18075,463	-15040,902	9074,174	-4,549	0,376
269,233	5,888	3,819	12139,424	18107,127	-13854,611	9094,901	-4,584	0,439
269,730	5,888	3,819	10987,441	18138,792	-12607,578	9115,643	-4,613	0,489
270,227	5,888	3,819	9862,725	18170,457	-11299,507	9136,398	-4,660	0,581
270,724	5,888	3,819	8709,792	18202,121	-9930,103	9157,168	-4,714	0,689
271,221	5,888	3,819	7440,000	18233,786	-8499,069	9177,951	-4,757	0,770
271,718	5,888	3,819	6147,138	18265,450	-7006,110	9198,752	-4,807	0,870
272,215	5,888	3,819	4863,898	18297,115	-5450,930	9219,567	-4,873	1,004
272,712	5,888	3,819	3445,906	18328,780	-3833,233	9240,393	-4,923	1,103
273,209	5,888	3,819	-3028,367	18360,444	-2152,722	9261,237	-3,952	-1,175
273,706	5,888	3,819	-4476,052	18392,109	-409,103	9282,095	-4,023	-1,029
274,203	5,888	3,819	-6040,367	18423,774	1397,921	9302,964	-4,082	-0,909
274,700	5,888	3,819	-7654,452	18455,438	3268,646	9323,852	-4,144	-0,783
275,110	6,628	4,437	-9024,049	18368,350	4731,862	9285,047	-3,650	-0,724
275,520	6,628	4,437	-10430,578	18281,262	6027,136	9245,087	-3,610	-0,773
275,930	6,628	4,437	-11877,094	18194,174	7155,570	9205,088	-3,534	-0,907
276,340	6,628	4,437	-13366,654	18107,086	8119,378	9165,050	-3,421	-1,126
276,750	6,628	4,437	-14902,316	18019,998	8920,777	9124,971	-3,272	-1,430

x [m]	A_c (m^2)	I_c (m^4)	$M_{freq,0}$ [kN.m]	P_0 [kN]	P_0 x e [kN.m]	$M_{PE,Hip,0}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
277,160	8,120	5,521	-16487,134	17932,910	9561,982	9084,855	-2,514	-1,497
277,570	8,120	5,521	-18124,167	17845,822	10045,208	9044,699	-2,334	-1,880
277,980	8,120	5,521	-19851,780	17758,734	10372,671	9004,505	-2,120	-2,344
278,390	8,120	5,521	-21641,204	17671,646	10546,587	8964,269	-1,875	-2,878
278,800	8,120	5,521	-23492,013	17584,558	10569,170	8923,996	-1,600	-3,483
279,210	8,120	5,521	-21719,963	17497,470	10442,637	8768,795	-1,800	-2,981
279,620	8,120	5,521	-20009,296	17410,382	10169,203	8614,699	-1,971	-2,548
280,030	8,120	5,521	-18356,957	17323,294	9751,083	8461,708	-2,113	-2,181
280,440	8,120	5,521	-16759,888	17236,206	9190,493	8309,821	-2,228	-1,879
280,850	8,120	5,521	-15215,033	17149,118	8489,649	8159,038	-2,315	-1,640
281,260	6,628	4,437	-13719,336	17062,029	7650,766	8009,362	-2,916	-1,779
281,670	6,628	4,437	-12269,739	16974,941	6676,059	7860,787	-2,960	-1,632
282,080	6,628	4,437	-10863,187	16887,853	5567,744	7713,318	-2,974	-1,557
282,490	6,628	4,437	-9496,623	16800,765	4328,037	7566,954	-2,957	-1,552
282,900	5,888	3,819	-8174,039	16713,677	2960,162	7420,685	-3,290	-1,788
283,356	5,888	3,819	-6852,140	16679,562	1404,291	7288,034	-3,209	-1,956
283,811	5,888	3,819	-5568,343	16645,446	-101,640	7155,832	-3,131	-2,119
284,267	5,888	3,819	-4322,648	16611,330	-1557,964	7024,141	-3,055	-2,277
284,722	5,888	3,819	-3115,054	16577,215	-2964,885	6892,897	-2,982	-2,428
285,178	5,888	3,819	3977,546	16543,099	-4322,733	6762,163	-4,122	0,247
285,633	5,888	3,819	5145,039	16508,983	-5631,715	6631,878	-4,060	0,123
286,089	5,888	3,819	6256,602	16474,868	-6892,159	6502,102	-3,998	-0,004
286,544	5,888	3,819	7386,391	16440,752	-8104,275	6372,776	-3,948	-0,099
287,000	5,888	3,819	8474,360	16406,637	-9268,386	6243,957	-3,901	-0,191
287,492	5,888	3,819	9513,833	18528,128	-11852,688	6910,341	-4,081	-0,969
287,984	5,888	3,819	10567,633	18587,422	-13224,144	6790,998	-4,002	-1,188
288,476	5,888	3,819	11594,333	18646,716	-14547,181	6670,753	-3,927	-1,396
288,968	5,888	3,819	12513,212	18706,010	-15821,257	6549,601	-3,840	-1,633
289,460	5,888	3,819	13386,612	18765,304	-17045,827	6427,546	-3,753	-1,869
289,952	5,888	3,819	14262,963	18824,598	-18220,350	6304,584	-3,677	-2,079
290,444	5,888	3,819	15061,016	18883,892	-19344,281	6180,718	-3,595	-2,303
290,936	5,888	3,819	15751,669	18943,186	-20417,078	6055,948	-3,501	-2,555
291,428	5,888	3,819	16477,455	19002,480	-21438,198	5930,272	-3,425	-2,765

x [m]	A_c (m^2)	I_c (m^4)	$M_{freq,0}$ [kN.m]	P_0 [kN]	P_0 x e [kN.m]	$M_{PE,Hip,0}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
291,920	5,888	3,819	17154,461	19061,773	-22407,097	5803,692	-3,350	-2,975
292,412	5,888	3,819	17694,128	19121,067	-23323,234	5676,207	-3,257	-3,225
292,904	5,888	3,819	18235,210	19180,361	-24186,064	5547,818	-3,175	-3,449
293,396	5,888	3,819	18761,449	19239,655	-24995,044	5418,522	-3,101	-3,656
293,888	5,888	3,819	19179,868	19298,949	-25749,632	5288,323	-3,016	-3,888
294,380	5,888	3,819	19533,830	19358,243	-26449,284	5157,217	-2,928	-4,125
294,872	5,888	3,819	19909,119	19417,537	-27093,458	5025,206	-2,856	-4,326
295,364	5,888	3,819	20206,108	19476,831	-27681,610	4892,292	-2,780	-4,538
295,856	5,888	3,819	20395,277	19536,125	-28213,198	4758,472	-2,692	-4,775
296,348	5,888	3,819	20595,292	19595,419	-28687,677	4623,747	-2,619	-4,980
296,840	5,888	3,819	20770,682	19654,713	-29104,506	4488,115	-2,552	-5,170
297,332	5,888	3,819	20808,732	19714,006	-29463,141	4351,579	-2,468	-5,397
297,824	5,888	3,819	20817,992	19773,300	-29763,039	4214,139	-2,391	-5,611
298,316	5,888	3,819	20842,112	19832,594	-30003,657	4075,794	-2,328	-5,790
298,808	5,888	3,819	20758,412	19891,888	-30184,451	3936,542	-2,256	-5,993
299,300	5,888	3,819	20596,413	19951,182	-30304,880	3796,385	-2,179	-6,204
299,782	5,888	3,819	20451,122	19911,533	-30198,144	3640,226	-2,133	-6,290
300,265	5,888	3,819	20253,871	19871,885	-29998,750	3484,657	-2,095	-6,356
300,747	5,888	3,819	19948,958	19832,236	-29707,262	3329,688	-2,054	-6,430
301,229	5,888	3,819	19610,890	19792,587	-29324,231	3175,312	-2,024	-6,475
301,712	5,888	3,819	19293,949	19752,938	-28850,215	3021,533	-2,018	-6,467
302,194	5,888	3,819	18851,982	19713,290	-28285,757	2868,338	-2,005	-6,475
302,676	5,888	3,819	18354,446	19673,641	-27631,434	2715,749	-2,000	-6,466
303,159	5,888	3,819	17857,252	19633,992	-26887,791	2563,755	-2,012	-6,414
303,641	5,888	3,819	17304,179	19594,343	-26055,369	2412,341	-2,032	-6,347
304,124	5,888	3,819	16660,808	19554,695	-25134,754	2261,536	-2,051	-6,280
304,606	5,888	3,819	15970,552	19515,046	-24126,488	2111,327	-2,078	-6,193
305,088	5,888	3,819	15304,441	19475,397	-23031,103	1961,691	-2,129	-6,053
305,571	5,888	3,819	14515,153	19435,748	-21849,198	1812,671	-2,172	-5,930
306,053	5,888	3,819	13678,979	19396,100	-20581,309	1664,246	-2,223	-5,789
306,535	5,888	3,819	12825,809	19356,451	-19227,990	1516,417	-2,288	-5,614
307,018	5,888	3,819	11916,584	19316,802	-17789,768	1369,156	-2,360	-5,426
307,500	6,628	4,437	10934,427	19277,153	-16267,257	1222,515	-2,185	-4,593

x [m]	A_c (m^2)	I_c (m^4)	$M_{freq,0}$ [kN.m]	P_0 [kN]	P_0 x e [kN.m]	$M_{PE,Hip,0}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
307,910	6,628	4,437	10062,039	19237,505	-14902,628	1097,992	-2,244	-4,437
308,320	6,628	4,437	9188,187	19197,856	-13478,684	973,974	-2,313	-4,256
308,730	6,628	4,437	8231,042	19158,207	-11995,827	850,460	-2,378	-4,085
309,140	6,628	4,437	7227,585	19118,558	-10454,459	727,451	-2,445	-3,909
309,550	8,120	5,521	6173,669	19078,910	-8854,982	604,948	-2,056	-3,034
309,960	8,120	5,521	5083,508	19039,261	-7197,796	482,948	-2,114	-2,882
310,370	8,120	5,521	3911,525	18999,612	-5483,303	361,454	-2,169	-2,739
310,780	8,120	5,521	2676,444	18959,963	-3711,906	240,465	-2,223	-2,597
311,190	8,120	5,521	1374,018	18920,315	-1884,004	119,980	-2,275	-2,459
311,600	8,120	5,521	0,000	18880,666	0,000	0,000	-2,325	-2,325

ANEXO G – Estado Limite de Largura de Fendas – Longo Prazo

v_{sup} [m]	v_{inf} [m]	f_{ctm} [MPa]	f_{ctk} [MPa]
0,781	**1,819**	**3,2**	**2,2**

x [m]	A_c (m^2)	I_c (m^4)	$M_{freq,\infty}$ [kN.m]	P_∞ [kN]	P_∞ x e [kN.m]	$M_{PE,Hip,\infty}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
0,000	8,120	5,521	0,000	14613,523	0,000	0,000	-1,800	-1,800
0,410	8,120	5,521	1286,423	14655,296	-1459,312	140,654	-1,800	-1,816
0,820	8,120	5,521	2501,657	14696,318	-2877,186	282,097	-1,797	-1,841
1,230	8,120	5,521	3649,849	14736,381	-4252,931	424,302	-1,790	-1,874
1,640	8,120	5,521	4735,144	14775,362	-5585,828	567,235	-1,780	-1,913
2,050	8,120	5,521	5738,719	14813,025	-6875,082	710,854	-1,764	-1,965
2,460	6,628	4,437	6704,037	14758,418	-8070,236	851,880	-2,136	-2,438
2,870	6,628	4,437	7620,586	14792,619	-9262,333	996,168	-2,118	-2,496
3,280	6,628	4,437	8490,823	14825,768	-10409,071	1141,034	-2,100	-2,555
3,690	6,628	4,437	9277,768	14857,408	-11509,518	1286,409	-2,075	-2,629
4,100	6,628	4,437	10063,249	14889,080	-12564,329	1432,399	-2,058	-2,684
4,582	5,888	3,819	10940,957	14849,449	-13675,569	1598,840	-2,290	-3,063
5,065	5,888	3,819	11747,705	14877,333	-14778,598	1770,484	-2,269	-3,127
5,547	5,888	3,819	12498,399	14905,382	-15816,183	1942,762	-2,250	-3,186
6,029	5,888	3,819	13232,096	14934,930	-16789,487	2115,891	-2,242	-3,223
6,512	5,888	3,819	13918,908	14965,494	-17697,807	2289,849	-2,237	-3,251
6,994	5,888	3,819	14482,543	14995,024	-18538,376	2464,347	-2,221	-3,305
7,476	5,888	3,819	15070,323	15028,025	-19316,370	2640,112	-2,224	-3,317
7,959	5,888	3,819	15611,217	15062,630	-20029,371	2816,927	-2,231	-3,321
8,441	5,888	3,819	16061,814	15097,580	-20675,397	2994,609	-2,233	-3,335
8,924	5,888	3,819	16456,532	15134,048	-21255,620	3173,392	-2,238	-3,344
9,406	5,888	3,819	16851,590	15174,018	-21772,549	3353,778	-2,257	-3,323
9,888	5,888	3,819	17191,082	15215,749	-22223,409	3535,492	-2,278	-3,297
10,371	5,888	3,819	17405,546	15256,907	-22604,274	3718,004	-2,288	-3,296
10,853	5,888	3,819	17641,137	15302,532	-22922,091	3902,593	-2,317	-3,255
11,335	5,888	3,819	17843,574	15350,818	-23173,713	4088,928	-2,353	-3,198
11,818	5,888	3,819	17938,349	15399,174	-23354,628	4276,381	-2,382	-3,158
12,300	5,888	3,819	17981,164	15449,524	-23467,080	4465,509	-2,415	-3,110
12,756	5,888	3,819	18036,053	15481,617	-23495,567	4640,541	-2,462	-3,019

x [m]	A_c (m^2)	I_c (m^4)	$M_{freq,\infty}$ [kN.m]	P_∞ [kN]	P_∞ x e [kN.m]	$M_{PE,Hip,\infty}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
13,211	5,888	3,819	18032,721	15480,037	-23432,392	4805,806	-2,508	-2,912
13,667	5,888	3,819	17921,968	15509,451	-23375,431	4980,991	-2,537	-2,859
14,122	5,888	3,819	17808,256	15506,938	-23229,589	5146,209	-2,577	-2,765
14,578	5,888	3,819	17691,296	15539,035	-23094,646	5323,225	-2,623	-2,677
15,033	5,888	3,819	17483,316	15535,916	-22866,365	5488,491	-2,660	-2,588
15,489	5,888	3,819	17200,715	15565,006	-22644,372	5665,406	-2,689	-2,538
15,944	5,888	3,819	16934,580	15562,292	-22334,935	5831,033	-2,731	-2,438
16,400	5,888	3,819	16645,912	15593,589	-22032,926	6009,701	-2,776	-2,352
16,892	5,888	3,819	16198,618	15588,963	-21605,997	6188,163	-2,807	-2,276
17,384	5,888	3,819	15716,685	15618,259	-21177,735	6380,372	-2,840	-2,215
17,876	5,888	3,819	15255,779	15615,219	-20657,169	6559,674	-2,889	-2,100
18,368	5,888	3,819	14687,053	15643,833	-20129,870	6752,567	-2,925	-2,033
18,860	5,888	3,819	14040,028	15636,556	-19507,882	6930,213	-2,955	-1,959
19,352	5,888	3,819	13406,200	15664,804	-18881,568	7123,844	-2,997	-1,875
19,844	5,888	3,819	12716,235	15657,280	-18163,461	7301,445	-3,038	-1,776
20,336	5,888	3,819	11918,443	15681,885	-17433,978	7494,225	-3,068	-1,721
20,828	5,888	3,819	11099,558	15671,238	-16616,785	7670,317	-3,102	-1,636
21,320	5,888	3,819	10288,540	15695,922	-15788,417	7863,862	-3,149	-1,540
21,812	5,888	3,819	9340,182	15681,761	-14872,526	8038,064	-3,176	-1,470
22,304	5,888	3,819	8343,045	15701,695	-13940,703	8229,808	-3,205	-1,413
22,796	5,888	3,819	7377,047	15686,210	-12929,276	8403,038	-3,247	-1,306
23,288	5,888	3,819	6307,854	15703,604	-11896,885	8593,902	-3,281	-1,236
23,780	5,888	3,819	5160,369	15682,750	-10787,871	8763,791	-3,305	-1,170
24,272	5,888	3,819	4014,048	15696,920	-9655,494	8953,172	-3,343	-1,089
24,764	5,888	3,819	-3273,088	15672,849	-8452,467	9120,627	-2,129	-3,902
25,256	5,888	3,819	-4492,516	15682,077	-7220,647	9307,286	-2,171	-3,809
25,748	5,888	3,819	-5756,385	15652,991	-5924,965	9470,973	-2,206	-3,711
26,240	5,888	3,819	-7064,697	15594,410	-4577,692	9615,799	-2,234	-3,614
26,732	5,888	3,819	-8417,450	15579,583	-3201,937	9786,755	-2,271	-3,519
27,224	5,888	3,819	-9814,645	15599,427	-1785,243	9979,547	-2,318	-3,421
27,716	5,888	3,819	-11256,282	15580,856	-316,469	10147,774	-2,355	-3,325
28,208	5,888	3,819	-12742,360	15596,598	1198,956	10338,315	-2,402	-3,223
28,700	5,888	3,819	-14272,880	16486,698	2919,962	11118,901	-2,752	-2,911

x [m]	A_c (m^2)	I_c (m^4)	$M_{freq,\infty}$ [kN.m]	P_∞ [kN]	P_∞ x e [kN.m]	$M_{PE,Hip,\infty}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
29,110	6,628	4,437	-15668,559	16474,849	4244,078	11255,285	-2,456	-2,555
29,520	6,628	4,437	-17122,023	16395,825	5405,528	11359,074	-2,411	-2,620
29,930	6,628	4,437	-18615,474	16321,179	6418,941	11464,416	-2,334	-2,763
30,340	6,628	4,437	-20151,969	16252,133	7287,601	11572,308	-2,225	-2,982
30,750	6,628	4,437	-21734,566	16189,489	8014,586	11683,491	-2,084	-3,277
31,160	8,120	5,521	-23340,632	16223,916	8650,732	11836,683	-1,594	-2,938
31,570	8,120	5,521	-25024,262	16168,576	9101,106	11951,530	-1,429	-3,300
31,980	8,120	5,521	-26763,162	16118,314	9414,521	12069,117	-1,238	-3,725
32,390	8,120	5,521	-28560,390	16072,482	9592,193	12189,098	-1,020	-4,213
32,800	8,120	5,521	-30419,001	16030,106	9634,869	12310,851	-0,776	-4,766
33,210	8,120	5,521	-28533,116	15917,084	9499,450	12205,452	-0,994	-4,210
33,620	8,120	5,521	-26712,751	15807,448	9232,948	12102,909	-1,186	-3,718
34,030	8,120	5,521	-24956,844	15702,112	8838,538	12003,907	-1,352	-3,289
34,440	8,120	5,521	-23288,144	15601,904	8319,070	11909,067	-1,489	-2,930
34,850	8,120	5,521	-21698,884	15498,665	7672,595	11839,543	-1,599	-2,629
35,260	6,628	4,437	-20131,592	15323,655	6871,263	11687,837	-2,035	-2,957
35,670	6,628	4,437	-18610,401	15237,056	5992,567	11603,870	-2,120	-2,715
36,080	6,628	4,437	-17132,255	15155,953	4996,755	11524,286	-2,179	-2,537
36,490	6,628	4,437	-15694,096	15079,414	3884,600	11448,357	-2,212	-2,423
36,900	5,888	3,819	-14292,869	14948,700	2647,567	11330,639	-2,474	-2,689
37,356	5,888	3,819	-12792,265	14919,593	1256,115	11304,169	-2,486	-2,644
37,811	5,888	3,819	-11317,486	14897,446	-90,966	11267,895	-2,501	-2,597
38,267	5,888	3,819	-9917,790	14875,579	-1395,169	11231,919	-2,510	-2,565
38,722	5,888	3,819	-8648,488	14853,498	-2656,593	11195,808	-2,500	-2,575
39,178	5,888	3,819	-7417,288	14831,256	-3875,426	11159,661	-2,492	-2,582
39,633	5,888	3,819	-6224,189	14881,405	-5076,499	11177,919	-2,502	-2,586
40,089	5,888	3,819	-5069,192	14875,425	-6223,042	11153,983	-2,498	-2,592
40,544	5,888	3,819	-3952,297	14869,626	-7329,807	11130,172	-2,494	-2,598
41,000	5,888	3,819	-2873,503	14863,346	-8396,555	11106,040	-2,491	-2,602
41,492	5,888	3,819	3826,258	14923,840	-9546,977	11130,156	-3,641	0,042
41,984	5,888	3,819	4994,338	14984,301	-10660,680	11154,075	-3,667	0,069
42,476	5,888	3,819	6161,645	15044,534	-11736,949	11177,651	-3,701	0,113
42,968	5,888	3,819	7221,132	15102,394	-12773,374	11199,297	-3,720	0,125

x [m]	A_c (m^2)	I_c (m^4)	$M_{freq,\infty}$ [kN.m]	P_∞ [kN]	P_∞ x e [kN.m]	$M_{PE,Hip,\infty}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
43,460	5,888	3,819	8228,950	15158,841	-13769,827	11219,730	-3,736	0,130
43,952	5,888	3,819	9246,205	15215,307	-14726,912	11240,017	-3,762	0,159
44,444	5,888	3,819	10185,162	15269,764	-15642,040	11258,660	-3,780	0,170
44,936	5,888	3,819	11016,298	15321,310	-16513,399	11275,006	-3,784	0,150
45,428	5,888	3,819	11879,961	15373,634	-17344,210	11291,775	-3,803	0,164
45,920	5,888	3,819	12698,232	15424,774	-18131,808	11307,527	-3,821	0,178
46,412	5,888	3,819	13379,164	15472,048	-18872,282	11320,303	-3,819	0,148
46,904	5,888	3,819	14061,174	15519,450	-19569,725	11333,039	-3,827	0,138
47,396	5,888	3,819	14729,115	15566,670	-20223,314	11345,505	-3,840	0,143
47,888	5,888	3,819	15289,235	15610,847	-20828,780	11355,621	-3,840	0,119
48,380	5,888	3,819	15771,057	15652,865	-21386,604	11364,044	-3,834	0,079
48,872	5,888	3,819	16204,099	15693,694	-21897,548	11371,484	-3,826	0,039
49,364	5,888	3,819	16644,839	15735,270	-22363,886	11379,348	-3,830	0,023
49,856	5,888	3,819	17060,629	15776,620	-22783,889	11386,928	-3,837	0,018
50,348	5,888	3,819	17427,639	15817,001	-23156,077	11393,692	-3,845	0,012
50,840	5,888	3,819	17745,870	15856,455	-23480,083	11399,673	-3,851	0,005
51,332	5,888	3,819	17926,761	15891,958	-23750,982	11402,705	-3,840	-0,042
51,824	5,888	3,819	18093,504	15927,782	-23974,712	11405,865	-3,835	-0,074
52,316	5,888	3,819	18261,190	15964,514	-24151,848	11409,570	-3,840	-0,083
52,808	5,888	3,819	18320,982	15998,404	-24276,380	11411,142	-3,833	-0,119
53,300	5,888	3,819	18303,007	16030,529	-24349,598	11411,360	-3,819	-0,167
53,797	5,888	3,819	18320,051	16057,832	-24366,060	11407,830	-3,824	-0,174
54,294	5,888	3,819	18256,015	16083,343	-24329,624	11402,949	-3,821	-0,193
54,791	5,888	3,819	18084,064	16106,159	-24238,714	11396,086	-3,807	-0,239
55,288	5,888	3,819	17916,296	16130,201	-24099,042	11390,021	-3,804	-0,259
55,785	5,888	3,819	17725,526	16154,518	-23908,935	11384,081	-3,807	-0,267
56,282	5,888	3,819	17400,005	16175,292	-23662,566	11375,576	-3,793	-0,312
56,779	5,888	3,819	17047,235	16196,233	-23365,277	11367,127	-3,783	-0,346
57,276	5,888	3,819	16707,403	16218,655	-23018,728	11359,652	-3,787	-0,350
57,773	5,888	3,819	16250,711	16238,217	-22616,557	11350,113	-3,777	-0,384
58,270	5,888	3,819	15721,885	16256,452	-22160,901	11339,591	-3,763	-0,427
58,767	5,888	3,819	15220,139	16276,527	-21655,921	11330,295	-3,765	-0,433
59,264	5,888	3,819	14636,811	16294,917	-21096,682	11319,768	-3,761	-0,453

x [m]	A_c (m^2)	I_c (m^4)	$M_{freq,\infty}$ [kN.m]	P_∞ [kN]	P_∞ x e [kN.m]	$M_{PE,Hip,\infty}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
59,761	5,888	3,819	13954,513	16311,137	-20482,587	11307,682	-3,747	-0,494
60,258	5,888	3,819	13269,132	16328,092	-19817,262	11296,056	-3,744	-0,512
60,755	5,888	3,819	12559,258	16345,021	-19099,568	11284,362	-3,746	-0,517
61,252	5,888	3,819	11723,578	16359,028	-18326,123	11270,623	-3,733	-0,555
61,748	5,888	3,819	10855,635	16372,770	-17500,026	11256,641	-3,724	-0,584
62,245	5,888	3,819	10005,914	16387,415	-16622,389	11243,237	-3,729	-0,580
62,742	5,888	3,819	9030,387	16399,211	-15689,339	11227,840	-3,719	-0,609
63,239	5,888	3,819	7991,672	16409,804	-14702,734	11211,584	-3,707	-0,644
63,736	5,888	3,819	6978,383	16421,061	-13664,247	11195,749	-3,711	-0,641
64,233	5,888	3,819	5876,571	16430,347	-12571,628	11178,538	-3,707	-0,655
64,730	5,888	3,819	4684,734	16437,741	-11425,243	11160,015	-3,695	-0,687
65,227	5,888	3,819	3496,220	16444,879	-10226,437	11141,296	-3,695	-0,692
65,724	5,888	3,819	-3686,299	16451,047	-8974,811	11121,897	-2,479	-3,527
66,221	5,888	3,819	-4881,032	16454,821	-7669,864	11100,863	-2,498	-3,485
66,718	5,888	3,819	-6121,109	16457,449	-6312,612	11079,043	-2,518	-3,440
67,215	5,888	3,819	-7406,530	16396,394	-4884,683	11014,437	-2,524	-3,393
67,712	5,888	3,819	-8737,295	16414,912	-3432,971	11003,342	-2,549	-3,344
68,209	5,888	3,819	-10113,404	16431,893	-1926,604	10991,165	-2,576	-3,290
68,706	5,888	3,819	-11538,448	16447,161	-365,841	10977,792	-2,604	-3,234
69,203	5,888	3,819	-13143,602	16460,832	1248,981	10963,312	-2,605	-3,239
69,700	5,888	3,819	-14798,526	16473,206	2917,572	10947,927	-2,607	-3,242
70,110	6,628	4,437	-16184,047	16459,858	4240,216	10909,373	-2,301	-2,907
70,520	6,628	4,437	-17624,245	16378,852	5399,932	10836,424	-2,227	-3,040
70,930	6,628	4,437	-19104,432	16303,543	6412,005	10767,428	-2,121	-3,249
71,340	6,628	4,437	-20627,662	16234,965	7279,903	10703,045	-1,984	-3,534
71,750	6,628	4,437	-22196,994	16173,737	8006,788	10643,659	-1,816	-3,894
72,160	8,120	5,521	-23784,842	16213,129	8644,980	10632,075	-1,359	-3,482
72,570	8,120	5,521	-25455,507	16160,003	9096,280	10578,343	-1,172	-3,895
72,980	8,120	5,521	-27181,444	16112,305	9411,011	10528,282	-0,960	-4,370
73,390	8,120	5,521	-28965,707	16069,261	9590,270	10481,367	-0,721	-4,909
73,800	8,120	5,521	-30811,354	16029,772	9634,669	10436,869	-0,455	-5,513
74,210	8,120	5,521	-28953,314	15917,066	9499,439	10368,382	-0,675	-4,954
74,620	8,120	5,521	-27164,411	15807,774	9233,138	10302,052	-0,868	-4,461

x [m]	A_c (m^2)	I_c (m^4)	$M_{freq,\infty}$ [kN.m]	P_∞ [kN]	P_∞ x e [kN.m]	$M_{PE,Hip,\infty}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
75,030	8,120	5,521	-25433,836	15702,697	8838,868	10238,401	-1,035	-4,028
75,440	8,120	5,521	-23758,531	15602,416	8319,343	10177,813	-1,177	-3,655
75,850	8,120	5,521	-22166,220	15499,111	7672,816	10132,562	-1,292	-3,346
76,260	6,628	4,437	-20592,284	15324,110	6871,467	10022,900	-1,661	-3,828
76,670	6,628	4,437	-19064,449	15237,416	5992,709	9970,914	-1,753	-3,570
77,080	6,628	4,437	-17579,658	15156,224	4996,844	9922,477	-1,818	-3,377
77,490	6,628	4,437	-16134,856	15079,601	3884,649	9876,981	-1,857	-3,248
77,900	5,888	3,819	-14726,984	14948,830	2647,590	9795,050	-2,072	-3,627
78,356	5,888	3,819	-13220,929	14919,649	1256,120	9791,003	-2,089	-3,569
78,811	5,888	3,819	-11738,742	14897,442	-90,966	9781,610	-2,111	-3,505
79,267	5,888	3,819	-10384,664	14875,398	-1395,152	9772,337	-2,116	-3,482
79,722	5,888	3,819	-9107,055	14853,170	-2656,534	9762,898	-2,113	-3,475
80,178	5,888	3,819	-7867,547	14830,802	-3875,307	9753,378	-2,112	-3,466
80,633	5,888	3,819	-6666,140	14876,871	-5074,952	9788,844	-2,127	-3,456
81,089	5,888	3,819	-5502,835	14870,034	-6220,787	9789,537	-2,130	-3,447
81,544	5,888	3,819	-4377,632	14863,448	-7326,762	9790,363	-2,133	-3,436
82,000	5,888	3,819	-3290,530	14856,468	-8392,669	9790,949	-2,136	-3,424
82,492	5,888	3,819	3541,566	14916,264	-9542,131	9835,964	-3,318	-0,707
82,984	5,888	3,819	4734,381	14976,445	-10655,091	9881,276	-3,353	-0,657
83,476	5,888	3,819	5907,760	15036,170	-11730,424	9926,330	-3,393	-0,599
83,968	5,888	3,819	6973,320	15093,597	-12765,933	9969,908	-3,418	-0,574
84,460	5,888	3,819	7988,217	15149,705	-13761,528	10012,658	-3,440	-0,554
84,952	5,888	3,819	9011,522	15205,876	-14717,785	10055,488	-3,472	-0,511
85,444	5,888	3,819	9956,528	15260,103	-15632,145	10097,073	-3,496	-0,486
85,936	5,888	3,819	10793,713	15311,479	-16502,803	10136,810	-3,506	-0,492
86,428	5,888	3,819	11664,016	15363,703	-17333,007	10177,145	-3,531	-0,462
86,920	5,888	3,819	12488,322	15414,779	-18120,059	10216,755	-3,555	-0,434
87,412	5,888	3,819	13175,287	15462,037	-18860,072	10253,871	-3,560	-0,450
87,904	5,888	3,819	13863,601	15509,476	-19557,148	10291,140	-3,574	-0,444
88,396	5,888	3,819	14537,569	15556,765	-20210,447	10328,342	-3,594	-0,425
88,888	5,888	3,819	15103,716	15601,050	-20815,709	10363,584	-3,601	-0,434
89,380	5,888	3,819	15608,949	15643,772	-21374,180	10397,817	-3,604	-0,451
89,872	5,888	3,819	16132,487	15687,556	-21888,984	10432,788	-3,620	-0,437

x [m]	A_c (m^2)	I_c (m^4)	$M_{freq,\infty}$ [kN.m]	P_∞ [kN]	P_∞ x e [kN.m]	$M_{PE,Hip,\infty}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
90,364	5,888	3,819	16577,727	15729,334	-22355,449	10466,453	-3,630	-0,438
90,856	5,888	3,819	16915,146	15768,112	-22771,603	10498,151	-3,627	-0,467
91,348	5,888	3,819	17272,093	15808,208	-23143,203	10530,755	-3,638	-0,466
91,840	5,888	3,819	17596,357	15847,940	-23467,475	10563,143	-3,651	-0,457
92,332	5,888	3,819	17783,281	15883,743	-23738,703	10592,939	-3,646	-0,489
92,824	5,888	3,819	17955,714	15919,871	-23962,805	10622,976	-3,648	-0,505
93,316	5,888	3,819	18129,442	15956,939	-24140,387	10653,667	-3,659	-0,499
93,808	5,888	3,819	18195,350	15991,179	-24265,417	10682,493	-3,659	-0,519
94,300	5,888	3,819	18182,990	16023,652	-24339,151	10710,162	-3,653	-0,552
94,797	5,888	3,819	18206,155	16051,337	-24356,205	10734,713	-3,664	-0,543
95,294	5,888	3,819	18148,242	16077,242	-24320,394	10758,091	-3,668	-0,546
95,791	5,888	3,819	17982,412	16100,458	-24230,136	10779,685	-3,661	-0,576
96,288	5,888	3,819	17820,353	16124,893	-24091,113	10802,112	-3,665	-0,580
96,785	5,888	3,819	17635,726	16149,623	-23901,690	10824,753	-3,675	-0,572
97,282	5,888	3,819	17316,347	16170,813	-23656,014	10845,037	-3,668	-0,601
97,779	5,888	3,819	16969,308	16192,157	-23359,396	10865,437	-3,665	-0,619
98,276	5,888	3,819	16635,643	16214,996	-23013,535	10886,855	-3,676	-0,606
98,773	5,888	3,819	16185,118	16234,973	-22612,040	10906,366	-3,673	-0,624
99,270	5,888	3,819	15662,459	16253,619	-22157,040	10924,995	-3,666	-0,650
99,767	5,888	3,819	15166,527	16274,089	-21652,676	10944,862	-3,676	-0,640
100,264	5,888	3,819	14589,394	16292,876	-21094,039	10963,610	-3,679	-0,643
100,761	5,888	3,819	13913,291	16309,483	-20480,510	10980,903	-3,672	-0,668
101,258	5,888	3,819	13233,812	16326,804	-19815,699	10998,687	-3,676	-0,669
101,755	5,888	3,819	12530,162	16344,093	-19098,484	11016,461	-3,685	-0,657
102,252	5,888	3,819	11700,707	16358,442	-18325,467	11032,279	-3,679	-0,679
102,748	5,888	3,819	10838,774	16372,499	-17499,736	11047,893	-3,678	-0,691
103,245	5,888	3,819	9995,309	16387,442	-16622,416	11064,114	-3,690	-0,670
103,742	5,888	3,819	9026,038	16399,509	-15689,624	11078,401	-3,688	-0,683
104,239	5,888	3,819	7993,579	16410,342	-14703,216	11091,861	-3,683	-0,700
104,736	5,888	3,819	6986,456	16421,804	-13664,865	11105,752	-3,694	-0,680
105,233	5,888	3,819	5890,933	16431,259	-12572,326	11118,292	-3,698	-0,677
105,730	5,888	3,819	4705,386	16438,780	-11425,965	11129,529	-3,693	-0,692
106,227	5,888	3,819	3525,828	16446,042	-10227,160	11140,592	-3,701	-0,679

x [m]	A_c (m^2)	I_c (m^4)	$M_{freq,\infty}$ [kN.m]	P_∞ [kN]	P_∞ x e [kN.m]	$M_{PE,Hip,\infty}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
106,724	5,888	3,819	-3664,368	16452,402	-8975,550	11151,047	-2,490	-3,503
107,221	5,888	3,819	-4862,369	16456,267	-7670,538	11159,814	-2,514	-3,449
107,718	5,888	3,819	-6105,714	16458,879	-6313,161	11167,730	-2,539	-3,391
108,215	5,888	3,819	-7394,403	16396,597	-4884,743	11131,590	-2,550	-3,331
108,712	5,888	3,819	-8728,436	16415,004	-3432,991	11150,211	-2,581	-3,269
109,209	5,888	3,819	-10107,814	16431,917	-1926,607	11167,829	-2,613	-3,203
109,706	5,888	3,819	-11543,222	16447,156	-365,841	11184,320	-2,645	-3,138
110,203	5,888	3,819	-13152,625	16460,869	1248,984	11199,780	-2,652	-3,131
110,700	5,888	3,819	-14811,799	16473,340	2917,596	11214,403	-2,659	-3,121
111,110	6,628	4,437	-16200,749	16460,069	4240,270	11198,887	-2,349	-2,796
111,520	6,628	4,437	-17644,477	16379,179	5400,040	11148,920	-2,278	-2,920
111,930	6,628	4,437	-19128,192	16304,000	6412,185	11102,792	-2,176	-3,121
112,340	6,628	4,437	-20654,952	16235,563	7280,171	11061,211	-2,042	-3,398
112,750	6,628	4,437	-22227,813	16174,482	8007,157	11024,599	-1,878	-3,751
113,160	8,120	5,521	-23819,257	16213,841	8645,360	11035,005	-1,411	-3,361
113,570	8,120	5,521	-25493,492	16160,834	9096,748	11003,891	-1,227	-3,767
113,980	8,120	5,521	-27222,997	16113,249	9411,563	10976,438	-1,018	-4,236
114,390	8,120	5,521	-29010,829	16070,310	9590,896	10952,121	-0,781	-4,769
114,800	8,120	5,521	-30860,045	16030,915	9635,356	10930,194	-0,518	-5,366
115,210	8,120	5,521	-29008,707	15918,274	9500,160	10851,730	-0,736	-4,813
115,620	8,120	5,521	-27219,310	15808,954	9233,827	10775,553	-0,927	-4,323
116,030	8,120	5,521	-25488,240	15703,833	8839,507	10702,261	-1,093	-3,893
116,440	8,120	5,521	-23812,440	15603,490	8319,916	10632,246	-1,234	-3,523
116,850	8,120	5,521	-22219,411	15500,128	7673,319	10580,770	-1,348	-3,215
117,260	6,628	4,437	-20644,981	15325,245	6871,976	10459,778	-1,729	-3,670
117,670	6,628	4,437	-19116,652	15238,412	5993,101	10398,907	-1,820	-3,416
118,080	6,628	4,437	-17631,368	15157,058	4997,119	10341,794	-1,883	-3,227
118,490	6,628	4,437	-16186,071	15080,253	3884,817	10287,799	-1,921	-3,101
118,900	5,888	3,819	-14777,706	14949,348	2647,681	10196,016	-2,143	-3,460
119,356	5,888	3,819	-13270,972	14919,898	1256,141	10185,770	-2,160	-3,405
119,811	5,888	3,819	-11788,237	14897,424	-90,966	10168,712	-2,180	-3,345
120,267	5,888	3,819	-10437,445	14875,112	-1395,125	10151,797	-2,183	-3,327
120,722	5,888	3,819	-9159,222	14852,627	-2656,437	10134,740	-2,179	-3,323

x [m]	A_c (m^2)	I_c (m^4)	$M_{freq,\infty}$ [kN.m]	P_∞ [kN]	P_∞ x e [kN.m]	$M_{PE,Hip,\infty}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
121,178	5,888	3,819	-7919,100	14830,012	-3875,101	10117,626	-2,176	-3,317
121,633	5,888	3,819	-6717,080	14880,240	-5076,101	10150,174	-2,191	-3,310
122,089	5,888	3,819	-5553,161	14874,057	-6222,469	10144,265	-2,192	-3,303
122,544	5,888	3,819	-4427,344	14868,057	-7329,033	10138,455	-2,194	-3,296
123,000	5,888	3,819	-3339,629	14861,597	-8395,567	10132,356	-2,196	-3,287
123,492	5,888	3,819	3804,813	14921,887	-9545,728	10171,609	-3,440	-0,424
123,984	5,888	3,819	4992,609	14982,501	-10659,399	10211,066	-3,474	-0,380
124,476	5,888	3,819	6159,922	15042,573	-11735,420	10250,138	-3,511	-0,328
124,968	5,888	3,819	7219,414	15100,284	-12771,589	10287,584	-3,533	-0,309
125,460	5,888	3,819	8228,318	15156,616	-13767,806	10324,075	-3,552	-0,295
125,952	5,888	3,819	9245,554	15212,955	-14724,636	10360,554	-3,582	-0,259
126,444	5,888	3,819	10184,491	15267,295	-15639,511	10395,657	-3,603	-0,240
126,936	5,888	3,819	11015,608	15318,735	-16510,623	10428,770	-3,610	-0,252
127,428	5,888	3,819	11879,885	15370,978	-17341,215	10462,415	-3,633	-0,229
127,920	5,888	3,819	12698,122	15422,031	-18128,584	10495,235	-3,655	-0,207
128,412	5,888	3,819	13379,018	15469,227	-18868,841	10525,415	-3,657	-0,229
128,904	5,888	3,819	14061,284	15516,568	-19566,092	10555,682	-3,668	-0,230
129,396	5,888	3,819	14729,182	15563,727	-20219,491	10585,809	-3,685	-0,216
129,888	5,888	3,819	15289,253	15607,851	-20824,783	10613,861	-3,689	-0,232
130,380	5,888	3,819	15788,420	15650,386	-21383,216	10640,818	-3,690	-0,255
130,872	5,888	3,819	16305,889	15693,958	-21897,916	10668,467	-3,703	-0,248
131,364	5,888	3,819	16745,058	15735,502	-22364,215	10694,727	-3,710	-0,255
131,856	5,888	3,819	17076,407	15774,026	-22780,143	10718,921	-3,704	-0,290
132,348	5,888	3,819	17427,272	15813,849	-23151,463	10743,986	-3,712	-0,295
132,840	5,888	3,819	17745,465	15853,294	-23475,403	10768,781	-3,723	-0,293
133,332	5,888	3,819	17926,320	15888,795	-23746,255	10790,887	-3,715	-0,331
133,824	5,888	3,819	18092,661	15924,610	-23969,938	10813,194	-3,714	-0,354
134,316	5,888	3,819	18260,320	15961,353	-24147,066	10836,122	-3,723	-0,354
134,808	5,888	3,819	18320,160	15995,261	-24271,612	10857,114	-3,720	-0,380
135,300	5,888	3,819	18301,702	16027,394	-24344,835	10876,889	-3,710	-0,420
135,797	5,888	3,819	18318,739	16054,731	-24361,355	10893,381	-3,718	-0,416
136,294	5,888	3,819	18254,696	16080,284	-24324,996	10908,652	-3,720	-0,427
136,791	5,888	3,819	18082,737	16103,145	-24234,180	10922,091	-3,710	-0,463

x [m]	A_c (m^2)	I_c (m^4)	$M_{freq,\infty}$ [kN.m]	P_∞ [kN]	P_∞ x e [kN.m]	$M_{PE,Hip,\infty}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
137,288	5,888	3,819	17914,520	16127,224	-24094,595	10936,346	-3,711	-0,474
137,785	5,888	3,819	17723,765	16151,599	-23904,614	10950,794	-3,718	-0,471
138,282	5,888	3,819	17398,259	16172,436	-23658,388	10962,836	-3,708	-0,507
138,779	5,888	3,819	17045,062	16193,429	-23361,232	10974,975	-3,703	-0,531
139,276	5,888	3,819	16705,272	16215,925	-23014,853	10988,126	-3,711	-0,526
139,773	5,888	3,819	16248,621	16235,565	-22612,864	10999,333	-3,705	-0,550
140,270	5,888	3,819	15719,837	16253,884	-22157,400	11009,640	-3,695	-0,583
140,767	5,888	3,819	15217,754	16274,036	-21652,606	11021,179	-3,702	-0,580
141,264	5,888	3,819	14634,497	16292,520	-21093,578	11031,584	-3,702	-0,589
141,761	5,888	3,819	13952,270	16308,838	-20479,700	11040,515	-3,693	-0,620
142,258	5,888	3,819	13266,646	16325,887	-19814,587	11049,933	-3,693	-0,629
142,755	5,888	3,819	12556,875	16342,925	-19097,119	11059,338	-3,700	-0,623
143,252	5,888	3,819	11721,298	16357,045	-18323,902	11066,779	-3,691	-0,652
143,748	5,888	3,819	10853,228	16370,897	-17498,024	11074,017	-3,686	-0,671
144,245	5,888	3,819	10003,645	16385,664	-16620,613	11081,869	-3,696	-0,656
144,742	5,888	3,819	9028,255	16397,585	-15687,784	11087,790	-3,690	-0,676
145,239	5,888	3,819	7989,676	16408,306	-14701,392	11092,896	-3,683	-0,700
145,736	5,888	3,819	6976,428	16419,693	-13663,108	11098,445	-3,691	-0,687
146,233	5,888	3,819	5874,788	16429,113	-12570,684	11102,659	-3,691	-0,691
146,730	5,888	3,819	4683,124	16436,643	-11424,480	11105,594	-3,684	-0,713
147,227	5,888	3,819	3498,232	16443,973	-10225,874	11108,389	-3,688	-0,706
147,724	5,888	3,819	-3672,098	16450,486	-8974,504	11110,627	-2,480	-3,525
148,221	5,888	3,819	-4872,618	16454,543	-7669,735	11111,205	-2,502	-3,476
148,718	5,888	3,819	-6118,482	16457,390	-6312,589	11110,961	-2,525	-3,424
149,215	5,888	3,819	-7409,690	16395,755	-4884,492	11067,189	-2,534	-3,369
149,712	5,888	3,819	-8746,242	16414,395	-3432,863	11077,607	-2,562	-3,312
150,209	5,888	3,819	-10128,138	16431,565	-1926,566	11087,027	-2,593	-3,251
150,706	5,888	3,819	-11566,598	16447,087	-365,839	11095,326	-2,622	-3,192
151,203	5,888	3,819	-13178,591	16461,110	1249,002	11102,609	-2,627	-3,189
151,700	5,888	3,819	-14840,355	16473,915	2917,698	11109,066	-2,631	-3,185
152,110	6,628	4,437	-16231,552	16460,797	4240,458	11087,293	-2,324	-2,854
152,520	6,628	4,437	-17677,416	16380,127	5400,352	11031,229	-2,252	-2,982
152,930	6,628	4,437	-19163,268	16305,149	6412,637	10979,014	-2,148	-3,186

x [m]	A_c (m^2)	I_c (m^4)	$M_{freq,\infty}$ [kN.m]	P_∞ [kN]	P_∞ x e [kN.m]	$M_{PE,Hip,\infty}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
153,340	6,628	4,437	-20692,164	16236,894	7280,768	10931,341	-2,013	-3,466
153,750	6,628	4,437	-22267,161	16175,975	8007,896	10888,619	-1,847	-3,822
154,160	8,120	5,521	-23860,928	16215,140	8646,052	10892,764	-1,386	-3,421
154,570	8,120	5,521	-25537,299	16162,227	9097,532	10855,523	-1,201	-3,830
154,980	8,120	5,521	-27268,940	16114,718	9412,421	10821,922	-0,990	-4,302
155,390	8,120	5,521	-29058,909	16071,836	9591,807	10791,435	-0,752	-4,838
155,800	8,120	5,521	-30910,261	16032,477	9636,295	10763,324	-0,488	-5,438
156,210	8,120	5,521	-29058,524	15919,762	9501,048	10689,362	-0,706	-4,882
156,620	8,120	5,521	-27268,171	15810,343	9234,639	10617,591	-0,898	-4,391
157,030	8,120	5,521	-25536,145	15705,108	8840,225	10548,604	-1,065	-3,960
157,440	8,120	5,521	-23859,389	15604,639	8320,528	10482,797	-1,207	-3,588
157,850	8,120	5,521	-22265,286	15501,160	7673,830	10434,553	-1,321	-3,279
158,260	6,628	4,437	-20689,914	15326,334	6872,465	10318,524	-1,696	-3,747
158,670	6,628	4,437	-19160,642	15239,313	5993,455	10261,579	-1,788	-3,490
159,080	6,628	4,437	-17674,415	15157,767	4997,353	10208,304	-1,852	-3,299
159,490	6,628	4,437	-16228,176	15080,771	3884,950	10158,074	-1,891	-3,171
159,900	5,888	3,819	-14818,868	14949,730	2647,749	10070,515	-2,109	-3,539
160,356	5,888	3,819	-13311,066	14920,066	1256,155	10063,432	-2,127	-3,482
160,811	5,888	3,819	-11827,292	14897,413	-90,966	10049,979	-2,148	-3,420
161,267	5,888	3,819	-10475,771	14874,960	-1395,111	10036,682	-2,151	-3,400
161,722	5,888	3,819	-9196,499	14852,369	-2656,391	10023,257	-2,148	-3,394
162,178	5,888	3,819	-7955,329	14829,687	-3875,016	10009,791	-2,146	-3,386
162,633	5,888	3,819	-6752,261	14879,484	-5075,844	10045,223	-2,162	-3,376
163,089	5,888	3,819	-5587,294	14873,244	-6222,130	10042,853	-2,165	-3,367
163,544	5,888	3,819	-4460,429	14867,233	-7328,627	10040,610	-2,167	-3,358
164,000	5,888	3,819	-3371,665	14860,805	-8395,119	10038,106	-2,170	-3,347
164,492	5,888	3,819	3780,294	14921,176	-9545,273	10080,864	-3,417	-0,479
164,984	5,888	3,819	4969,889	14981,897	-10658,969	10123,873	-3,451	-0,432
165,476	5,888	3,819	6138,994	15042,113	-11735,061	10166,556	-3,489	-0,378
165,968	5,888	3,819	7200,278	15100,001	-12771,350	10207,678	-3,513	-0,356
166,460	5,888	3,819	8210,978	15156,543	-13767,739	10247,905	-3,533	-0,340
166,952	5,888	3,819	9230,006	15213,117	-14724,794	10288,166	-3,564	-0,301
167,444	5,888	3,819	10170,735	15267,719	-15639,946	10327,105	-3,586	-0,279

x [m]	A_c (m^2)	I_c (m^4)	$M_{freq,\infty}$ [kN.m]	P_∞ [kN]	P_∞ x e [kN.m]	$M_{PE,Hip,\infty}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
167,936	5,888	3,819	11003,643	15319,443	-16511,387	10364,111	-3,595	-0,289
168,428	5,888	3,819	11869,713	15371,991	-17342,357	10401,685	-3,619	-0,263
168,920	5,888	3,819	12689,741	15423,365	-18130,151	10438,477	-3,641	-0,239
169,412	5,888	3,819	13372,429	15470,896	-18870,878	10472,680	-3,645	-0,258
169,904	5,888	3,819	14056,482	15518,586	-19568,636	10507,000	-3,657	-0,257
170,396	5,888	3,819	14726,171	15566,105	-20222,580	10541,215	-3,675	-0,241
170,888	5,888	3,819	15288,040	15610,597	-20828,447	10573,391	-3,680	-0,254
171,380	5,888	3,819	15788,993	15653,507	-21387,481	10604,506	-3,682	-0,274
171,872	5,888	3,819	16308,252	15697,460	-21902,802	10636,336	-3,697	-0,265
172,364	5,888	3,819	16749,212	15739,387	-22369,737	10666,802	-3,705	-0,270
172,856	5,888	3,819	17082,352	15778,297	-22786,311	10695,233	-3,700	-0,303
173,348	5,888	3,819	17435,004	15818,506	-23158,281	10724,552	-3,709	-0,305
173,840	5,888	3,819	17754,989	15858,336	-23482,869	10753,623	-3,721	-0,300
174,332	5,888	3,819	17937,634	15894,219	-23754,361	10780,025	-3,714	-0,336
174,824	5,888	3,819	18105,762	15930,412	-23978,670	10806,644	-3,714	-0,356
175,316	5,888	3,819	18275,212	15967,527	-24156,406	10833,899	-3,725	-0,353
175,808	5,888	3,819	18336,842	16001,801	-24281,535	10859,231	-3,723	-0,377
176,300	5,888	3,819	18320,173	16034,290	-24355,310	10883,360	-3,714	-0,414
176,797	5,888	3,819	18339,017	16061,977	-24372,350	10904,256	-3,724	-0,408
177,294	5,888	3,819	18276,783	16087,867	-24336,467	10923,937	-3,727	-0,416
177,791	5,888	3,819	18106,633	16111,053	-24246,080	10941,785	-3,718	-0,449
178,288	5,888	3,819	17886,714	16133,589	-24104,105	10959,197	-3,710	-0,482
178,785	5,888	3,819	17617,024	16155,497	-23910,383	10976,186	-3,701	-0,513
179,282	5,888	3,819	17364,398	16179,064	-23668,083	10994,306	-3,707	-0,514
179,779	5,888	3,819	17076,186	16202,456	-23374,254	11012,311	-3,716	-0,507
180,276	5,888	3,819	16738,205	16225,178	-23027,985	11029,864	-3,725	-0,498
180,773	5,888	3,819	16283,363	16245,017	-22626,029	11045,461	-3,721	-0,519
181,270	5,888	3,819	15756,388	16263,506	-22170,517	11060,143	-3,712	-0,549
181,767	5,888	3,819	15256,112	16283,797	-21665,592	11076,053	-3,720	-0,543
182,264	5,888	3,819	14674,664	16302,384	-21106,350	11090,808	-3,721	-0,550
182,761	5,888	3,819	13994,246	16318,769	-20492,170	11104,068	-3,713	-0,578
183,258	5,888	3,819	13310,431	16335,842	-19826,669	11117,796	-3,715	-0,583
183,755	5,888	3,819	12602,470	16352,860	-19108,729	11131,490	-3,723	-0,574

x [m]	A_c (m^2)	I_c (m^4)	$M_{freq,\infty}$ [kN.m]	P_∞ [kN]	P_∞ x e [kN.m]	$M_{PE,Hip,\infty}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
184,252	5,888	3,819	11768,702	16366,912	-18334,955	11143,184	-3,716	-0,600
184,748	5,888	3,819	10902,444	16380,644	-17508,441	11154,645	-3,712	-0,616
185,245	5,888	3,819	10054,670	16395,233	-16630,319	11166,691	-3,723	-0,598
185,742	5,888	3,819	9081,089	16406,916	-15696,711	11176,761	-3,719	-0,614
186,239	5,888	3,819	8044,320	16417,335	-14709,482	11185,970	-3,713	-0,635
186,736	5,888	3,819	7032,886	16428,350	-13670,312	11195,585	-3,722	-0,619
187,233	5,888	3,819	5933,056	16437,325	-12576,967	11203,811	-3,724	-0,620
187,730	5,888	3,819	4743,202	16444,333	-11429,825	11210,695	-3,718	-0,638
188,227	5,888	3,819	3560,430	16451,064	-10230,283	11217,391	-3,724	-0,628
188,724	5,888	3,819	-3602,833	16456,899	-8978,003	11223,475	-2,517	-3,441
189,221	5,888	3,819	-4802,210	16460,186	-7672,365	11227,822	-2,541	-3,389
189,718	5,888	3,819	-6046,930	16462,167	-6314,422	11231,275	-2,565	-3,334
190,215	5,888	3,819	-7336,994	16399,208	-4885,521	11190,412	-2,574	-3,277
190,712	5,888	3,819	-8672,403	16416,869	-3433,381	11204,556	-2,604	-3,217
191,209	5,888	3,819	-10053,155	16432,980	-1926,731	11217,645	-2,635	-3,154
191,706	5,888	3,819	-11490,789	16447,361	-365,845	11229,552	-2,665	-3,092
192,203	5,888	3,819	-13101,650	16460,163	1248,930	11240,385	-2,670	-3,087
192,700	5,888	3,819	-14762,280	16471,671	2917,300	11250,334	-2,676	-3,081
193,110	6,628	4,437	-16151,938	16457,975	4239,731	11231,082	-2,363	-2,762
193,520	6,628	4,437	-17596,860	16376,478	5399,149	11177,231	-2,291	-2,889
193,930	6,628	4,437	-19081,769	16300,752	6410,908	11127,301	-2,188	-3,092
194,340	6,628	4,437	-20609,723	16231,831	7278,498	11082,001	-2,053	-3,371
194,750	6,628	4,437	-22183,777	16170,330	8005,102	11041,751	-1,888	-3,726
195,160	8,120	5,521	-23775,500	16210,256	8643,448	11049,318	-1,419	-3,342
195,570	8,120	5,521	-25450,914	16157,017	9094,599	11014,756	-1,234	-3,750
195,980	8,120	5,521	-27181,600	16109,254	9409,229	10983,914	-1,024	-4,221
196,390	8,120	5,521	-28970,612	16066,191	9588,438	10956,268	-0,787	-4,755
196,800	8,120	5,521	-30821,565	16026,734	9632,843	10931,071	-0,523	-5,353
197,210	8,120	5,521	-28974,187	15914,334	9497,809	10849,280	-0,740	-4,802
197,620	8,120	5,521	-27188,192	15805,299	9231,692	10769,853	-0,930	-4,314
198,030	8,120	5,521	-25460,525	15700,502	8837,633	10693,382	-1,095	-3,887
198,440	8,120	5,521	-23788,128	15600,516	8318,330	10620,254	-1,235	-3,519
198,850	8,120	5,521	-22199,260	15497,481	7672,009	10565,508	-1,348	-3,214

x [m]	A_c (m^2)	I_c (m^4)	$M_{freq,\infty}$ [kN.m]	P_∞ [kN]	P_∞ x e [kN.m]	$M_{PE,Hip,\infty}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
199,260	6,628	4,437	-20628,191	15322,479	6870,736	10441,232	-1,728	-3,671
199,670	6,628	4,437	-19103,222	15236,152	5992,212	10377,464	-1,818	-3,419
200,080	6,628	4,437	-17621,298	15155,304	4996,541	10317,482	-1,880	-3,232
200,490	6,628	4,437	-16179,362	15078,993	3884,492	10260,640	-1,917	-3,109
200,900	5,888	3,819	-14774,357	14948,434	2647,520	10166,048	-2,138	-3,473
201,356	5,888	3,819	-13271,649	14919,506	1256,108	10152,423	-2,153	-3,421
201,811	5,888	3,819	-11792,620	14897,449	-90,966	10132,062	-2,172	-3,364
202,267	5,888	3,819	-10446,324	14875,440	-1395,156	10111,777	-2,173	-3,350
202,722	5,888	3,819	-9171,731	14853,148	-2656,530	10091,287	-2,167	-3,350
203,178	5,888	3,819	-7935,241	14830,625	-3875,261	10070,681	-2,163	-3,347
203,633	5,888	3,819	-6736,852	14880,856	-5076,312	10099,441	-2,177	-3,343
204,089	5,888	3,819	-5576,565	14874,572	-6222,685	10089,854	-2,177	-3,340
204,544	5,888	3,819	-4454,379	14868,383	-7329,194	10080,308	-2,177	-3,336
205,000	5,888	3,819	-3370,295	14861,651	-8395,597	10070,423	-2,177	-3,331
205,492	5,888	3,819	3798,913	14921,563	-9545,520	10105,236	-3,425	-0,458
205,984	5,888	3,819	4979,893	14981,638	-10658,785	10140,111	-3,457	-0,420
206,476	5,888	3,819	6140,381	15041,082	-11734,257	10174,511	-3,491	-0,373
206,968	5,888	3,819	7193,050	15098,085	-12769,729	10207,212	-3,511	-0,359
207,460	5,888	3,819	8195,125	15153,638	-13765,100	10238,889	-3,528	-0,350
207,952	5,888	3,819	9205,534	15209,132	-14720,936	10270,479	-3,555	-0,318
208,444	5,888	3,819	10137,644	15262,571	-15634,673	10300,638	-3,574	-0,304
208,936	5,888	3,819	10961,934	15313,061	-16504,508	10328,766	-3,579	-0,321
209,428	5,888	3,819	11819,368	15364,312	-17333,694	10357,364	-3,600	-0,303
209,920	5,888	3,819	12630,775	15414,336	-18119,538	10385,094	-3,619	-0,286
210,412	5,888	3,819	13304,842	15460,472	-18858,162	10410,166	-3,619	-0,313
210,904	5,888	3,819	13980,254	15506,728	-19553,684	10435,281	-3,628	-0,318
211,396	5,888	3,819	14641,321	15552,784	-20205,274	10460,222	-3,643	-0,309
211,888	5,888	3,819	15194,560	15595,790	-20808,690	10483,076	-3,644	-0,330
212,380	5,888	3,819	15686,866	15637,195	-21365,195	10504,819	-3,643	-0,357
212,872	5,888	3,819	16197,500	15679,635	-21877,931	10527,225	-3,654	-0,355
213,364	5,888	3,819	16629,835	15720,045	-22342,247	10548,231	-3,659	-0,367
213,856	5,888	3,819	16954,351	15757,439	-22756,189	10567,182	-3,651	-0,407
214,348	5,888	3,819	17298,346	15796,138	-23125,534	10586,978	-3,656	-0,416

x [m]	A_c (m^2)	I_c (m^4)	$M_{freq,\infty}$ [kN.m]	P_∞ [kN]	P_∞ x e [kN.m]	$M_{PE,Hip,\infty}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
214,840	5,888	3,819	17609,704	15834,471	-23447,530	10606,495	-3,664	-0,418
215,332	5,888	3,819	17783,723	15868,876	-23716,484	10623,350	-3,654	-0,461
215,824	5,888	3,819	17943,193	15903,611	-23938,331	10640,398	-3,651	-0,489
216,316	5,888	3,819	18104,015	15939,300	-24113,703	10658,055	-3,657	-0,493
216,808	5,888	3,819	18157,017	15972,181	-24236,590	10673,807	-3,652	-0,525
217,300	5,888	3,819	18131,720	16003,318	-24308,265	10688,364	-3,640	-0,569
217,797	5,888	3,819	18141,819	16029,685	-24323,350	10699,649	-3,646	-0,571
218,294	5,888	3,819	18070,868	16054,310	-24285,704	10709,748	-3,646	-0,586
218,791	5,888	3,819	17892,002	16076,289	-24193,763	10718,063	-3,633	-0,627
219,288	5,888	3,819	17716,850	16099,535	-24053,227	10727,202	-3,632	-0,643
219,785	5,888	3,819	17519,187	16123,136	-23862,489	10736,557	-3,637	-0,646
220,282	5,888	3,819	17186,773	16143,261	-23615,708	10743,577	-3,624	-0,687
220,779	5,888	3,819	16826,651	16163,609	-23318,213	10750,729	-3,616	-0,717
221,276	5,888	3,819	16479,952	16185,536	-22971,723	10758,912	-3,621	-0,717
221,773	5,888	3,819	16016,393	16204,690	-22569,861	10765,233	-3,613	-0,746
222,270	5,888	3,819	15480,700	16222,611	-22114,769	10770,719	-3,601	-0,785
222,767	5,888	3,819	14971,707	16242,464	-21610,599	10777,470	-3,605	-0,787
223,264	5,888	3,819	14381,542	16260,755	-21052,453	10783,167	-3,602	-0,803
223,761	5,888	3,819	13692,406	16276,996	-20439,715	10787,490	-3,590	-0,840
224,258	5,888	3,819	12999,893	16294,093	-19775,999	10792,364	-3,588	-0,854
224,755	5,888	3,819	12283,215	16311,314	-19060,182	10797,304	-3,592	-0,855
225,252	5,888	3,819	11440,730	16325,765	-18288,860	10800,412	-3,581	-0,890
225,748	5,888	3,819	10565,799	16340,106	-17465,112	10803,420	-3,573	-0,916
226,245	5,888	3,819	9709,308	16355,529	-16590,046	10807,129	-3,581	-0,908
226,742	5,888	3,819	8727,012	16368,288	-15659,756	10809,065	-3,572	-0,934
227,239	5,888	3,819	7681,527	16380,042	-14676,068	10810,324	-3,562	-0,965
227,736	5,888	3,819	6661,452	16392,668	-13640,620	10812,148	-3,568	-0,959
228,233	5,888	3,819	5552,908	16403,545	-12551,120	10812,806	-3,566	-0,969
228,730	5,888	3,819	4354,339	16412,763	-11407,882	10812,360	-3,556	-0,997
229,227	5,888	3,819	-2532,017	16422,051	-10212,241	10811,952	-2,394	-3,709
229,724	5,888	3,819	-3687,966	16430,760	-8963,743	10811,153	-2,414	-3,667
230,221	5,888	3,819	-4889,259	16437,273	-7661,685	10808,901	-2,435	-3,621
230,718	5,888	3,819	-6135,896	16442,843	-6307,010	10806,022	-2,458	-3,572

x [m]	A_c (m^2)	I_c (m^4)	$M_{freq,\infty}$ [kN.m]	P_∞ [kN]	P_∞ x e [kN.m]	$M_{PE,Hip,\infty}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
231,215	5,888	3,819	-7427,877	16387,726	-4882,100	10763,278	-2,467	-3,520
231,712	5,888	3,819	-8765,202	16408,627	-3431,657	10770,474	-2,495	-3,466
232,209	5,888	3,819	-10147,871	16428,262	-1926,178	10776,819	-2,525	-3,408
232,706	5,888	3,819	-11591,309	16446,445	-365,825	10782,196	-2,553	-3,353
233,203	5,888	3,819	-13204,158	16463,341	1249,171	10786,712	-2,557	-3,352
233,700	5,888	3,819	-14866,776	16479,212	2918,636	10790,541	-2,562	-3,350
234,110	6,628	4,437	-16260,355	16467,464	4242,175	10767,347	-2,264	-2,997
234,520	6,628	4,437	-17706,949	16388,759	5403,198	10710,569	-2,192	-3,126
234,930	6,628	4,437	-19193,531	16315,565	6416,733	10657,438	-2,089	-3,330
235,340	6,628	4,437	-20723,157	16248,903	7286,153	10608,622	-1,954	-3,611
235,750	6,628	4,437	-22298,884	16189,380	8014,532	10564,505	-1,788	-3,968
236,160	8,120	5,521	-23896,466	16226,750	8652,243	10564,965	-1,337	-3,540
236,570	8,120	5,521	-25573,609	16174,627	9104,512	10525,808	-1,151	-3,950
236,980	8,120	5,521	-27306,022	16127,739	9420,026	10490,087	-0,940	-4,423
237,390	8,120	5,521	-29096,762	16085,302	9599,843	10457,291	-0,702	-4,959
237,800	8,120	5,521	-30956,640	16046,289	9644,596	10426,746	-0,436	-5,563
238,210	8,120	5,521	-29102,992	15932,829	9508,846	10371,822	-0,658	-5,001
238,620	8,120	5,521	-27310,727	15822,504	9241,742	10318,675	-0,852	-4,502
239,030	8,120	5,521	-25576,789	15716,227	8846,484	10267,912	-1,021	-4,065
239,440	8,120	5,521	-23898,122	15614,606	8325,842	10219,944	-1,166	-3,687
239,850	8,120	5,521	-22299,616	15510,069	7678,240	10188,061	-1,283	-3,371
240,260	6,628	4,437	-20722,485	15335,690	6876,660	10091,714	-1,653	-3,853
240,670	6,628	4,437	-19191,455	15246,999	5996,478	10051,440	-1,747	-3,589
241,080	6,628	4,437	-17703,469	15163,772	4999,333	10014,565	-1,814	-3,390
241,490	6,628	4,437	-16255,471	15085,119	3886,070	9980,518	-1,855	-3,255
241,900	5,888	3,819	-14844,404	14952,910	2648,312	9909,885	-2,072	-3,628
242,356	5,888	3,819	-13333,739	14921,448	1256,271	9919,362	-2,093	-3,562
242,811	5,888	3,819	-11848,110	14897,324	-90,966	9923,063	-2,118	-3,490
243,267	5,888	3,819	-10501,574	14873,738	-1394,996	9927,088	-2,123	-3,464
243,722	5,888	3,819	-9219,482	14850,367	-2656,033	9931,164	-2,124	-3,448
244,178	5,888	3,819	-7975,491	14827,238	-3874,376	9935,367	-2,127	-3,430
244,633	5,888	3,819	-6769,602	14876,211	-5074,727	9987,888	-2,147	-3,411
245,089	5,888	3,819	-5601,815	14870,285	-6220,892	10003,633	-2,153	-3,392

x [m]	A_c (m^2)	I_c (m^4)	$M_{freq,\infty}$ [kN.m]	P_∞ [kN]	P_∞ x e [kN.m]	$M_{PE,Hip,\infty}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
245,544	5,888	3,819	-4472,129	14864,980	-7327,517	10019,754	-2,161	-3,372
246,000	5,888	3,819	-3380,545	14859,625	-8394,453	10035,850	-2,168	-3,352
246,492	5,888	3,819	3797,315	14921,534	-9545,502	10099,018	-3,424	-0,462
246,984	5,888	3,819	4995,856	14983,890	-10660,387	10162,666	-3,465	-0,402
247,476	5,888	3,819	6173,906	15046,024	-11738,112	10226,340	-3,509	-0,335
247,968	5,888	3,819	7244,136	15106,090	-12776,499	10288,780	-3,538	-0,300
248,460	5,888	3,819	8263,643	15165,037	-13775,455	10350,627	-3,565	-0,271
248,952	5,888	3,819	9291,581	15224,225	-14735,545	10412,807	-3,602	-0,219
249,444	5,888	3,819	10241,221	15281,624	-15654,190	10473,926	-3,630	-0,185
249,936	5,888	3,819	11083,040	15336,305	-16529,560	10533,341	-3,645	-0,182
250,428	5,888	3,819	11957,751	15391,940	-17364,863	10593,569	-3,675	-0,144
250,920	5,888	3,819	12786,655	15446,527	-18157,378	10653,229	-3,703	-0,107
251,412	5,888	3,819	13478,220	15497,370	-18903,170	10710,458	-3,713	-0,115
251,904	5,888	3,819	14170,801	15548,443	-19606,285	10767,989	-3,731	-0,101
252,396	5,888	3,819	14849,335	15599,418	-20265,858	10825,596	-3,755	-0,073
252,888	5,888	3,819	15420,049	15647,415	-20877,572	10881,277	-3,766	-0,074
253,380	5,888	3,819	15929,436	15693,850	-21442,602	10936,003	-3,774	-0,083
253,872	5,888	3,819	16457,511	15741,360	-21964,056	10991,612	-3,795	-0,061
254,364	5,888	3,819	16907,287	15786,849	-22437,193	11045,940	-3,809	-0,054
254,856	5,888	3,819	17249,243	15829,314	-22859,987	11098,276	-3,810	-0,075
255,348	5,888	3,819	17610,242	15873,041	-23238,119	11151,618	-3,825	-0,065
255,840	5,888	3,819	17939,016	15916,370	-23568,805	11204,804	-3,843	-0,048
256,332	5,888	3,819	18130,451	15955,708	-23846,257	11255,296	-3,843	-0,072
256,824	5,888	3,819	18306,904	15995,280	-24076,311	11306,063	-3,849	-0,080
257,316	5,888	3,819	18485,122	16035,720	-24259,572	11357,557	-3,865	-0,064
257,808	5,888	3,819	18555,520	16073,235	-24389,932	11407,088	-3,869	-0,076
258,300	5,888	3,819	18547,619	16108,870	-24468,593	11455,387	-3,867	-0,100
258,797	5,888	3,819	18574,879	16139,603	-24490,139	11500,527	-3,883	-0,081
259,294	5,888	3,819	18521,484	16168,427	-24458,332	11544,390	-3,893	-0,075
259,791	5,888	3,819	18360,173	16194,404	-24371,517	11586,297	-3,890	-0,095
260,288	5,888	3,819	18202,255	16221,411	-24235,314	11629,015	-3,899	-0,090
260,785	5,888	3,819	18022,136	16248,534	-24048,079	11671,893	-3,914	-0,071
261,282	5,888	3,819	17707,265	16271,905	-23803,899	11712,146	-3,912	-0,089

x [m]	A_c (m^2)	I_c (m^4)	$M_{freq,\infty}$ [kN.m]	P_∞ [kN]	P_∞ x e [kN.m]	$M_{PE,Hip,\infty}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
261,779	5,888	3,819	17364,506	16295,190	-23508,036	11752,402	-3,914	-0,096
262,276	5,888	3,819	17035,344	16319,727	-23162,176	11793,629	-3,930	-0,073
262,773	5,888	3,819	16589,323	16341,125	-22759,887	11832,651	-3,933	-0,079
263,270	5,888	3,819	16071,167	16360,891	-22303,274	11870,549	-3,932	-0,093
263,767	5,888	3,819	15579,726	16382,155	-21796,458	11909,590	-3,946	-0,071
264,264	5,888	3,819	15007,098	16401,382	-21234,520	11947,207	-3,955	-0,061
264,761	5,888	3,819	14335,501	16418,044	-20616,834	11983,005	-3,954	-0,073
265,258	5,888	3,819	13660,803	16435,011	-19947,029	12019,072	-3,963	-0,061
265,755	5,888	3,819	12961,670	16451,489	-19223,980	12054,827	-3,978	-0,035
266,252	5,888	3,819	12136,730	16464,543	-18444,326	12088,131	-3,978	-0,043
266,748	5,888	3,819	11279,951	16476,800	-17611,218	12120,868	-3,982	-0,041
267,245	5,888	3,819	10441,022	16489,365	-16725,801	12153,866	-4,001	-0,005
267,742	5,888	3,819	9476,285	16498,456	-15784,288	12184,332	-4,004	-0,003
268,239	5,888	3,819	8448,361	16505,674	-14788,631	12213,436	-4,004	-0,006
268,736	5,888	3,819	7446,882	16512,864	-13740,637	12242,538	-4,021	0,029
269,233	5,888	3,819	6355,921	16517,303	-12638,162	12269,615	-4,029	0,046
269,730	5,888	3,819	5174,935	16519,050	-11481,757	12294,700	-4,030	0,046
270,227	5,888	3,819	4021,217	16520,082	-10273,203	12319,254	-4,046	0,084
270,724	5,888	3,819	-2686,545	16519,070	-9011,920	12342,283	-2,937	-2,499
271,221	5,888	3,819	-3867,325	16514,678	-7697,765	12362,774	-2,968	-2,425
271,718	5,888	3,819	-5093,449	16508,142	-6332,057	12381,645	-2,999	-2,348
272,215	5,888	3,819	-6364,917	16499,443	-4915,382	12398,867	-3,031	-2,269
272,712	5,888	3,819	-7681,729	16487,275	-3448,105	12413,452	-3,063	-2,189
273,209	5,888	3,819	-9043,886	16448,150	-1928,510	12407,664	-3,087	-2,110
273,706	5,888	3,819	-10520,573	16450,261	-365,910	12432,928	-3,110	-2,057
274,203	5,888	3,819	-12113,890	16450,090	1248,166	12456,466	-3,119	-2,036
274,700	5,888	3,819	-13756,977	16447,772	2913,068	12478,374	-3,128	-2,015
275,110	6,628	4,437	-15125,948	16427,904	4231,984	12467,097	-2,755	-1,834
275,520	6,628	4,437	-16556,307	16337,551	5386,315	12417,910	-2,685	-1,953
275,930	6,628	4,437	-18026,654	16253,802	6392,443	12373,536	-2,582	-2,149
276,340	6,628	4,437	-19540,045	16177,719	7254,233	12334,808	-2,449	-2,421
276,750	6,628	4,437	-21099,537	16109,944	7975,208	12302,242	-2,286	-2,768
277,160	8,120	5,521	-22665,283	16157,971	8615,570	12329,308	-1,747	-2,557

x [m]	A_c (m^2)	I_c (m^4)	$M_{freq,\infty}$ [kN.m]	P_∞ [kN]	P_∞ x e [kN.m]	$M_{PE,Hip,\infty}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
277,570	8,120	5,521	-24325,983	16101,190	9063,175	12304,974	-1,565	-2,958
277,980	8,120	5,521	-26077,261	16051,016	9375,213	12285,561	-1,352	-3,432
278,390	8,120	5,521	-27890,352	16006,383	9552,744	12270,278	-1,113	-3,970
278,800	8,120	5,521	-29764,827	15966,166	9596,439	12258,279	-0,847	-4,573
279,210	8,120	5,521	-27914,387	15857,785	9464,059	12022,874	-1,044	-4,071
279,620	8,120	5,521	-26125,331	15753,426	9201,394	11792,559	-1,214	-3,631
280,030	8,120	5,521	-24394,602	15653,821	8811,356	11567,760	-1,360	-3,251
280,440	8,120	5,521	-22719,144	15559,403	8296,408	11348,655	-1,481	-2,929
280,850	8,120	5,521	-21136,738	15461,446	7654,170	11155,015	-1,575	-2,671
281,260	6,628	4,437	-19562,107	15285,469	6854,140	10881,003	-1,985	-3,055
281,670	6,628	4,437	-18033,577	15206,511	5980,555	10678,507	-2,052	-2,858
282,080	6,628	4,437	-16548,091	15132,816	4989,127	10481,174	-2,093	-2,725
282,490	6,628	4,437	-15102,593	15063,265	3880,440	10288,089	-2,108	-2,656
282,900	5,888	3,819	-13701,074	14937,433	2645,571	10057,542	-2,333	-3,012
283,356	5,888	3,819	-12313,358	14915,269	1255,751	9896,798	-2,296	-3,086
283,811	5,888	3,819	-10941,504	14897,680	-90,968	9725,701	-2,263	-3,152
284,267	5,888	3,819	-9607,751	14878,050	-1395,401	9553,697	-2,230	-3,217
284,722	5,888	3,819	-8312,100	14856,500	-2657,130	9380,870	-2,198	-3,280
285,178	5,888	3,819	-7054,550	14890,136	-3890,811	9242,788	-2,181	-3,340
285,633	5,888	3,819	-5835,103	14882,266	-5076,793	9078,636	-2,153	-3,401
286,089	5,888	3,819	-4653,756	14871,915	-6221,574	8913,191	-2,124	-3,460
286,544	5,888	3,819	-3510,512	14860,043	-7325,083	8747,046	-2,097	-3,518
287,000	5,888	3,819	3717,600	14846,198	-8386,868	8580,036	-3,321	-0,659
287,492	5,888	3,819	4852,175	16728,790	-10701,628	9474,701	-3,582	-1,115
287,984	5,888	3,819	6001,077	16786,075	-11942,564	9313,142	-3,540	-1,245
288,476	5,888	3,819	7122,879	16840,358	-13137,956	9148,626	-3,501	-1,368
288,968	5,888	3,819	8136,860	16890,206	-14285,478	8980,496	-3,448	-1,520
289,460	5,888	3,819	9105,362	16936,985	-15385,039	8809,615	-3,394	-1,672
289,952	5,888	3,819	10076,815	16982,098	-16436,992	8636,804	-3,350	-1,800
290,444	5,888	3,819	10969,969	17023,897	-17438,940	8461,300	-3,299	-1,942
290,936	5,888	3,819	11755,725	17061,718	-18389,221	8282,896	-3,235	-2,112
291,428	5,888	3,819	12576,613	17099,520	-19291,319	8103,607	-3,188	-2,243
291,920	5,888	3,819	13348,721	17135,380	-20142,624	7922,545	-3,141	-2,373

x [m]	A_c (m^2)	I_c (m^4)	$M_{freq,\infty}$ [kN.m]	P_∞ [kN]	P_∞ x e [kN.m]	$M_{PE,Hip,\infty}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
292,412	5,888	3,819	13983,489	17166,890	-20939,594	7738,691	-3,075	-2,543
292,904	5,888	3,819	14619,673	17198,229	-21686,633	7554,031	-3,020	-2,689
293,396	5,888	3,819	15241,014	17229,213	-22383,195	7368,492	-2,972	-2,818
293,888	5,888	3,819	15754,535	17257,159	-23025,373	7180,972	-2,912	-2,974
294,380	5,888	3,819	16203,599	17283,537	-23614,601	6992,167	-2,850	-3,135
294,872	5,888	3,819	16673,989	17311,320	-24154,635	6803,305	-2,801	-3,263
295,364	5,888	3,819	17066,080	17337,471	-24641,027	6613,175	-2,748	-3,402
295,856	5,888	3,819	17350,351	17361,120	-25072,154	6421,513	-2,683	-3,568
296,348	5,888	3,819	17645,468	17386,405	-25453,683	6229,888	-2,630	-3,704
296,840	5,888	3,819	17915,960	17412,325	-25784,000	6037,896	-2,583	-3,829
297,332	5,888	3,819	18049,112	17435,149	-26057,324	5844,266	-2,519	-3,992
297,824	5,888	3,819	18153,474	17458,745	-26279,138	5650,356	-2,459	-4,144
298,316	5,888	3,819	18272,696	17484,794	-26451,797	5456,663	-2,413	-4,266
298,808	5,888	3,819	18284,098	17509,168	-26568,852	5261,864	-2,355	-4,413
299,300	5,888	3,819	18217,201	17533,027	-26631,820	5066,350	-2,293	-4,572
299,782	5,888	3,819	18165,146	17485,627	-26518,976	4854,480	-2,254	-4,636
300,265	5,888	3,819	18061,132	17441,200	-26329,370	4644,476	-2,221	-4,688
300,747	5,888	3,819	17849,456	17397,852	-26060,730	4435,761	-2,183	-4,753
301,229	5,888	3,819	17604,626	17358,202	-25717,503	4228,931	-2,154	-4,798
301,712	5,888	3,819	17380,922	17324,072	-25302,727	4024,287	-2,145	-4,798
302,194	5,888	3,819	17032,192	17290,432	-24809,302	3820,517	-2,127	-4,821
302,676	5,888	3,819	16627,893	17259,618	-24240,963	3618,114	-2,114	-4,834
303,159	5,888	3,819	16223,937	17233,363	-23600,248	3417,318	-2,117	-4,812
303,641	5,888	3,819	15764,100	17209,665	-22884,368	3217,582	-2,125	-4,781
304,124	5,888	3,819	15213,967	17187,319	-22091,833	3018,638	-2,130	-4,757
304,606	5,888	3,819	14616,948	17167,541	-21224,264	2820,624	-2,141	-4,719
305,088	5,888	3,819	14044,074	17152,140	-20283,679	2623,715	-2,174	-4,635
305,571	5,888	3,819	13348,023	17136,535	-19264,478	2427,144	-2,197	-4,572
306,053	5,888	3,819	12605,086	17122,678	-18168,968	2231,160	-2,226	-4,495
306,535	5,888	3,819	11845,153	17110,937	-16997,378	2035,744	-2,269	-4,390
307,018	5,888	3,819	11029,166	17099,836	-15748,058	1840,641	-2,316	-4,275
307,500	6,628	4,437	10148,884	17173,949	-14492,443	1647,880	-2,117	-3,696
307,910	6,628	4,437	9354,885	17156,969	-13290,909	1481,617	-2,157	-3,595

x [m]	A_c (m^2)	I_c (m^4)	$M_{freq,\infty}$ [kN.m]	P_∞ [kN]	P_∞ x e [kN.m]	$M_{PE,Hip,\infty}$ [kN.m]	σ_{sup} [MPa]	σ_{inf} [MPa]
308,320	6,628	4,437	8559,422	17139,963	-12033,852	1315,681	-2,206	-3,471
308,730	6,628	4,437	7680,667	17121,258	-10720,401	1149,959	-2,251	-3,358
309,140	6,628	4,437	6755,599	17101,164	-9351,303	984,517	-2,297	-3,241
309,550	8,120	5,521	5780,073	17177,245	-7972,373	824,076	-1,922	-2,566
309,960	8,120	5,521	4766,126	17161,076	-6487,748	660,187	-1,963	-2,463
310,370	8,120	5,521	3673,170	17133,322	-4944,691	494,338	-2,000	-2,366
310,780	8,120	5,521	2517,275	17103,637	-3348,481	328,986	-2,035	-2,272
311,190	8,120	5,521	1294,274	17071,985	-1699,955	164,187	-2,068	-2,182
311,600	8,120	5,521	0,000	17038,413	0,000	0,000	-2,098	-2,098

ANEXO H – Estado Limite de Deformação

x [m]	δ_{PP} [mm]	δ_{PE} [mm]	δ_{RCP} [mm]	$\delta_{SC,min}$ [mm]	$\delta_{SC,max}$ [mm]	$\delta_{VDT,min}$ [mm]	$\delta_{VDT,max}$ [mm]	δ_{max} [mm]
16,400	-8,010	12,649	-1,900	-6,806	3,238	-0,921	1,840	11,006
53,300	-9,700	10,146	-2,410	-10,094	5,282	-1,060	0,533	-11,139
94,300	-9,520	11,419	-2,330	-10,698	5,954	-0,120	0,599	-5,805
135,300	-9,560	11,100	-2,350	-10,867	6,098	-0,357	0,178	-7,252
176,300	-9,560	11,100	-2,350	-10,867	6,098	-0,357	0,178	-7,252
217,300	-9,520	11,419	-2,330	-10,698	5,954	-0,120	0,599	-5,805
258,300	-9,700	10,146	-2,410	-10,094	5,282	-1,060	0,533	-11,139
295,200	-8,010	12,649	-1,900	-6,806	3,238	-0,921	1,840	11,006

Vão	$L_{Vão}$ [m]	δ_{adm} [mm]	δ_{adm} [mm]
1	32,800	82,000	-82,000
2	41,000	102,500	-102,500
3	41,000	102,500	-102,500
4	41,000	102,500	-102,500
5	41,000	102,500	-102,500
6	41,000	102,500	-102,500
7	41,000	102,500	-102,500
8	32,800	82,000	-82,000

ANEXO I – Estado Limite de Flexão do Tabuleiro

A_p [cm^2]	151,200
f_{pyd} [MPa]	1400,000
f_{cd} [MPa]	23,333
f_{ctm} [MPa]	3,200

f_{syk} [MPa]	500,000
f_{syd} [MPa]	434,783
E_p [GPa]	195,000
ds [m]	2,540

h_{alma} [m]	**2,600**
e_2 [m]	0,300
ε_{syd} [‰]	2,174
ε_{pyd} [‰]	7,200
$\varepsilon_{P\infty}$ [‰]	5,000

Tramo	Secção	x [m]	M_{Ed} [kN.m]	F_s [kN]	F_p [kN]	z_s [m]	z_p [m]	M_{Rd} [kN.m]
1º	Apoio	0,000	0,000	5123,478	21168,000	2,313	2,185	58109,381
	Vão	12,300	36798,542	2561,739	21168,000	2,503	2,255	54136,351
	Apoio	32,800	-34493,100	5123,478	21168,000	2,313	2,185	58109,381
2º	Vão	53,300	46732,718	2561,739	21168,000	2,503	2,255	54136,351
	Apoio	73,800	-35742,245	5123,478	21168,000	2,313	2,185	58109,381
3º	Vão	94,300	47324,875	2561,739	21168,000	2,503	2,255	54136,351
	Apoio	114,800	-36008,877	5123,478	21168,000	2,313	2,185	58109,381
4º	Vão	135,300	47468,358	2561,739	21168,000	2,503	2,255	54136,351
	Apoio	155,800	-36210,721	5123,478	21168,000	2,313	2,185	58109,381
5º	Vão	176,300	47599,950	2561,739	21168,000	2,503	2,255	54136,351
	Apoio	196,800	-35749,256	5123,478	21168,000	2,313	2,185	58109,381
6º	Vão	217,300	46939,165	2561,739	21168,000	2,503	2,255	54136,351
	Apoio	237,800	-36756,916	5123,478	21168,000	2,313	2,185	58109,381
7º	Vão	258,300	48252,801	2561,739	21168,000	2,503	2,255	54136,351
	Apoio	278,800	-30417,584	5123,478	21168,000	2,313	2,185	58109,381
8º	Vão	299,300	38908,494	2561,739	21168,000	2,503	2,255	54136,351
	Apoio	311,600	0,000	5123,478	21168,000	2,313	2,185	58109,381

ANEXO J – Estado Limite de Esforço Transverso do Tabuleiro

f_{ck} [MPa]	35,000
f_{syk} [MPa]	500,000
f_{syd} [MPa]	434,783
α [º]	90,000
α_c	1,000
v	0,516

d_s [m]	2,552
z [m]	2,297
θ [º]	30,000
$Ø_b$[mm]=	120,000
b_w [m]	2,400
$b_{w,nom}$ [m]	2,400

Secção		x [m]	V_{Ed} [kN]	$V_{Rd,s}$ [kN]	$V_{Rd,max}$ [kN]	V_{Rd} [kN]
E1	Direita	2,552	-3743,960	13906,31362	28738,33111	13906,31362
P1	Esquerda	30,248	-55,009	13906,31362	28738,33111	13906,31362
	Direita	35,352	4394,103	13906,31362	28738,33111	13906,31362
P2	Esquerda	71,248	4106,819	13906,31362	28738,33111	13906,31362
	Direita	76,352	-6517,995	13906,31362	28738,33111	13906,31362
P3	Esquerda	112,248	-1713,774	13906,31362	28738,33111	13906,31362
	Direita	117,352	4160,400	13906,31362	28738,33111	13906,31362
P4	Esquerda	153,248	4168,610	13906,31362	28738,33111	13906,31362
	Direita	158,352	-6582,725	13906,31362	28738,33111	13906,31362
P5	Esquerda	194,248	-1701,374	13906,31362	28738,33111	13906,31362
	Direita	199,352	4077,822	13906,31362	28738,33111	13906,31362
P6	Esquerda	235,248	4187,729	13906,31362	28738,33111	13906,31362
	Direita	240,352	-6586,286	13906,31362	28738,33111	13906,31362
P7	Esquerda	276,248	-1681,980	13906,31362	28738,33111	13906,31362
	Direita	281,352	4073,014	13906,31362	28738,33111	13906,31362
E2	Esquerda	309,048	4202,248	13906,31362	28738,33111	13906,31362

ANEXO K – Esforços Característicos na Base dos Pilares

Cargas Permanentes (P=PP+PE+RCP)			
Pilar	**N_k [kN]**	**$V_{k,x}$ [kN]**	**$M_{0k,y}$ [kN m]**
P1	-5443,179	-0,269	-7,006
P2	-9087,686	0,239	0,158
P3	-7844,225	0,214	1,321
P4	-7228,760	0,192	1,671
P5	-7471,617	0,234	0,637
P6	-8177,335	0,199	-2,248
P7	-6756,855	-0,808	0,000

Sobrecargas			
Pilar	**N_k [kN]**	**$V_{k,x}$ [kN]**	**$M_{0k,y}$ [kN m]**
P1	-1438,144	-0,158	-0,104
P2	-948,980	-0,142	-0,875
P3	-771,538	-0,127	-1,107
P4	-960,387	-0,155	-0,422
P5	-1491,583	-0,132	-1,792
P6	-1221,874	-0,644	-11,594
P7	0,000	0,000	0,000

Variação Diferencial da Temperatura			
Pilar	**N_k [kN]**	**$V_{k,x}$ [kN]**	**$M_{0k,y}$ [kN m]**
P1	-11,840	0,000	0,000
P2	-9,140	0,000	-0,001
P3	-7,743	0,000	-0,001
P4	-9,341	0,000	0,000
P5	-11,747	0,000	-0,003
P6	-74,095	-0,001	-0,019
P7	0,000	0,000	0,000

Variação Uniforme da Temperatura			
Pilar	**N_k [kN]**	**$V_{k,x}$ [kN]**	**$M_{0k,y}$ [kN m]**
P1	-46,175	-0,001	-0,001
P2	-35,646	-0,001	-0,007
P3	-30,197	-0,001	-0,009
P4	-36,430	-0,001	-0,003
P5	-45,813	-0,001	-0,012
P6	-577,945	-0,004	-0,076
P7	0,000	0,000	0,000

Ação Sísmica					
Pilar	**Nk [kN]**	**Vk,x [kN]**	**Vk,y [kN]**	**M0k,x [kNm]**	**M0k,y [kNm]**
P1	0,040	340,910	214,692	5581,976	8863,647
P2	3553,721	556,966	537,071	9979,090	9747,800
P3	2888,583	301,278	267,658	6227,047	6478,211
P4	2586,307	216,852	179,491	4730,986	5205,104
P5	3311,505	453,369	383,249	7727,609	8501,513
P6	4440,181	1082,212	928,481	13724,184	15152,097
P7	0,057	1022,692	644,051	11592,915	18408,447

ANEXO L – Efeitos de segunda ordem nos Pilares

Imperfeições Geométricas						
Pilar	**Tipo de ligação**	**L [m]**	**$L_{0,x}$ [m]**	**$L_{0,y}$ [m]**	**$e_{i,x}$ [m]**	**$e_{i,y}$ [m]**
P1	Rotulado	26,000	52,000	52,000	0,087	0,087
P2	Monolítico	35,000	35,000	35,000	0,058	0,058
P3	Monolítico	43,000	43,000	43,000	0,072	0,072
P4	Monolítico	48,000	48,000	48,000	0,080	0,080
P5	Monolítico	37,500	37,500	37,500	0,063	0,063
P6	Monolítico	28,000	28,000	28,000	0,047	0,047
P7	Rotulado	18,000	36,000	36,000	0,060	0,060

3. Ação Variável Base – Sismo

a. Direção X

Momentos da 1ª ordem afetados das imperfeições geométricas						
Pilar	**$M_{0Ed,xx}$ [kNm]**	**N_{Ed} [kN]**	**$M_{0Eqp,xx}$ [kNm]**	**N_{Eqp} [kN]**	**$M_{0Ed,i,x}$ [kNm]**	**$M_{0Eqp,i,x}$ [kNm]**
P1	-13302,477	-5443,238	-7,006	-5443,179	-13774,224	-478,748
P2	14621,858	-14418,268	0,158	-9087,686	13780,792	-529,957
P3	9718,637	-12177,100	1,321	-7844,225	8845,945	-560,849
P4	7809,328	-11108,221	1,671	-7228,760	6920,670	-576,629
P5	12752,907	-12438,875	0,637	-7471,617	11975,477	-466,339
P6	-22730,394	-14837,606	-2,248	-8177,335	-23422,816	-383,857
P7	-27612,670	-6756,941	0,000	-6756,855	-28018,086	-405,411

Verificação da dispensa de efeitos de segunda ordem									
Pilar	**$\phi_{ef,x}$**	**A_x**	**$A_{s,x}$**	**ω**	**B**	**C_x**	**n_N**	**$\lambda_{lim,x}$**	**λ_x**
P1	0,077	0,985	0,090	0,373	1,321	0,700	0,052	80,218	86,667
P2	-0,085	1,017	0,090	0,373	1,321	0,700	0,137	50,908	58,333
P3	-0,140	1,029	0,090	0,373	1,321	0,700	0,115	56,023	71,667
P4	-0,184	1,038	0,090	0,373	1,321	0,700	0,105	59,191	80,000
P5	-0,086	1,017	0,090	0,373	1,321	0,700	0,118	54,821	62,500
P6	0,036	0,993	0,090	0,373	1,321	0,700	0,141	48,978	46,667
P7	0,032	0,994	0,090	0,373	1,321	0,700	0,064	72,640	60,000

Momento de cálculo total				
Pilar	**EI_y [kNm²]**	**$k_{e,x}$**	**$N_{B,x}$ [kN]**	**$M_{Ed,yx}$ [kNm]**
P1	13331930,239	0,289	48661,567	-15509,053
P2	14456411,526	0,313	116472,704	15727,745
P3	14884159,573	0,323	79448,765	10447,183
P4	15244315,645	0,330	65301,808	8339,220
P5	14464492,997	0,313	101517,386	13647,726
P6	13597288,228	0,295	171173,285	-25645,843
P7	13625614,707	0,295	103764,990	-29969,641

b. Direção Y

Momentos da 1ª ordem afetados das imperfeições geométricas						
Pilar	**$M_{0Ed,xx}$ [kNm]**	**N_{Ed} [kN]**	**$M_{0Eqp,xx}$ [kNm]**	**N_{Eqp} [kN]**	**$M_{0Ed,i,x}$ [kNm]**	**$M_{0Eqp,i,x}$ [kNm]**
P1	-8379,970	-5443,238	-7,006	-5443,179	-8851,718	-478,748
P2	14968,793	-14418,268	0,158	-9087,686	14127,727	-529,957
P3	9341,891	-12177,100	1,321	-7844,225	8469,199	-560,849
P4	7098,150	-11108,221	1,671	-7228,760	6209,493	-576,629
P5	11592,051	-12438,875	0,637	-7471,617	10814,621	-466,339
P6	-20588,525	-14837,606	-2,248	-8177,335	-21280,947	-383,857
P7	-17389,373	-6756,941	0,000	-6756,855	-17794,789	-405,411

Verificação da dispensa de efeitos de segunda ordem									
Pilar	**$\phi_{ef,x}$**	**A_x**	**$A_{s,x}$**	**ω**	**B**	**C_x**	**n_N**	**$\lambda_{lim,x}$**	**λ_x**
P1	0,119	0,977	0,090	0,373	1,321	0,700	0,052	79,550	86,667
P2	-0,083	1,017	0,090	0,373	1,321	0,700	0,137	50,887	58,333
P3	-0,146	1,030	0,090	0,373	1,321	0,700	0,115	56,095	71,667
P4	-0,205	1,043	0,090	0,373	1,321	0,700	0,105	59,451	80,000
P5	-0,095	1,019	0,090	0,373	1,321	0,700	0,118	54,924	62,500
P6	0,040	0,992	0,090	0,373	1,321	0,700	0,141	48,943	46,667
P7	0,050	0,990	0,090	0,373	1,321	0,700	0,064	72,376	60,000

Momento de cálculo total				
Pilar	**EI_x [kNm²]**	**$k_{e,x}$**	**$N_{B,x}$ [kN]**	**$M_{Ed,x}$ [kNm]**
P1	13063663,470	0,283	47682,393	-9992,413
P2	14440700,607	0,313	116346,124	16126,174
P3	14934119,538	0,324	79715,442	9996,187
P4	15423112,796	0,334	66067,718	7464,534
P5	14534524,072	0,315	102008,891	12316,482
P6	13573029,268	0,294	170867,8915	-23304,645
P7	13503722,645	0,293	102836,729	-19046,232

4. Ação Variável Base – Sobrecarga

a. Direção X

Momentos da 1ª ordem afetados das imperfeições geométricas						
Pilar	**$M_{0Ed,xx}$ [kNm]**	**N_{Ed} [kN]**	**$M_{0Eqp,xx}$ [kNm]**	**N_{Eqp} [kN]**	**$M_{0Ed,i,x}$ [kNm]**	**$M_{0Eqp,i,x}$ [kNm]**
P1	-15,380	-6712,049	-7,006	-5443,179	-597,091	-478,748
P2	0,346	-11244,902	0,158	-9087,686	-655,606	-529,957
P3	2,900	-9267,695	1,321	-7844,225	-661,285	-560,849
P4	3,669	-8386,067	1,671	-7228,760	-667,216	-576,629
P5	1,397	-8912,198	0,637	-7471,617	-555,615	-466,339
P6	-4,936	-10414,710	-2,248	-8177,335	-490,956	-383,857
P7	-17,391	-8589,666	0,000	-6756,855	-532,771	-405,411

Verificação da dispensa de efeitos de segunda ordem									
Pilar	**$\phi_{ef,x}$**	**A_x**	**$A_{s,x}$**	**ω**	**B**	**C_x**	**n_N**	**$\lambda_{lim,x}$**	**λ_x**
P1	1,769	0,739	0,090	0,373	1,321	0,700	0,064	54,179	86,667
P2	1,783	0,737	0,090	0,373	1,321	0,700	0,107	41,769	58,333
P3	1,871	0,728	0,090	0,373	1,321	0,700	0,088	45,421	71,667
P4	1,907	0,724	0,090	0,373	1,321	0,700	0,079	47,504	80,000
P5	1,852	0,730	0,090	0,373	1,321	0,700	0,084	46,450	62,500
P6	1,725	0,743	0,090	0,373	1,321	0,700	0,099	43,779	46,667
P7	1,679	0,749	0,090	0,373	1,321	0,700	0,081	48,539	60,000

Momento de cálculo total				
Pilar	**EI_x [kNm²]**	**$k_{e,x}$**	**$N_{B,x}$ [kN]**	**$M_{Ed,x}$ [kNm]**
P1	7345672,218	0,159	26811,716	-796,482
P2	7317633,519	0,159	58956,856	-810,122
P3	7151760,275	0,155	38174,713	-873,295
P4	7086682,782	0,154	30357,099	-921,884
P5	7187801,647	0,156	50446,762	-674,835
P6	7432444,925	0,161	93565,422	-552,448
P7	7525646,750	0,163	57311,077	-626,700

ANEXO M – Esforço de Cálculo na base dos Pilares

1. Ação Variável Base – Sismo

Pilar	N_{Ed} [kN]	$V_{Ed,x}$ [kN]	$V_{Ed,y}$ [kN]	$M_{Ed,x}$ [kNm]	$M_{Ed,y}$ [kNm]	M_{ed}[kNm]
P1	-5443,238	511,095	-322,037	-9992,413	-15509,053	18449,364
P2	-5443,238	-835,209	805,607	16126,174	15727,745	22525,884
P3	-5443,238	-451,703	401,487	9996,187	10447,183	14459,163
P4	-5443,238	-325,086	269,236	7464,534	8339,220	11192,044
P5	-5443,238	-679,820	574,873	12316,482	13647,726	18383,584
P6	-5443,238	1623,517	-1392,721	-23304,645	-25645,843	34652,789
P7	-5443,238	1533,229	-966,077	-19046,232	-29969,641	35509,694

2. Ação Variável Base – Sobrecarga

Pilar	N_{Ed} [kN]	$V_{Ed,x}$ [kN]	$M_{Ed,y}$ [kNm]
P1	-6712,049	-0,002	-796,482
P2	-11244,902	0,002	-810,122
P3	-9267,695	0,001	-873,295
P4	-8386,067	0,002	-921,884
P5	-8912,198	0,002	-674,835
P6	-10414,710	0,436	-552,448
P7	-8589,666	-0,006	-626,700

ANEXO N – Esforços Característicos nos Encontros

Cargas permanentes (CP=PP+PE+RCP)	
Encontro	$F_{v,k}$ [kN]
E1	1877,448
E2	1880,952

Sobrecargas		
Encontro	$F_{v,k,max}$ [kN]	$F_{v,k,min}$ [kN]
E1	1088,305	-139,637
E2	1088,329	-139,214

Variação diferencial da temperatura		
Encontro	$F_{v,k,max}$ [kN]	$F_{v,k,min}$ [kN]
E1	200,972	-100,486
E2	200,976	-100,488

Variação uniforme da temperatura		
Encontro	$F_{v,k,max}$ [kN]	$F_{v,k,min}$ [kN]
E1	783,789	-783,789
E2	783,807	-783,807

Ação sísmica (MAX)						
Encontro	$F_{v,k,max}$ [kN]	$F_{v,k,min}$ [kN]	$F_{HL,k,max}$ [kN]	$F_{HL,k,min}$ [kN]	$F_{HT,k,max}$ [kN]	$F_{HT,k,min}$ [kN]
E1	0,497	-0,497	23,887	-23,887	364,902	-364,902
E2	0,447	-0,447	23,887	-23,887	666,037	-666,037

ANEXO O – Estado Limite de Derrubamento dos Encontros (EQU)

Encontro	φ'd [º]	$\gamma_{h,d}$ [kN/m^3]	δ'$_d$ [º]	i [º]	ϕ_1 [º]	ϕ_2 [º]	θ_1[º]	θ_2[º]
E1	29,256	19,000	19,504	-0,859	0,000	19,000	8,637	9,593
E2	29,256	19,000	19,504	0,859	0,000	13,000	8,637	9,593

Encontro	$k_{0,d}$	$k_{a,d1}$	$k_{a,d2}$	$k_{s1,d1}$	$k_{s2,d1}$	$k_{s1,d2}$	$k_{s2,d2}$
E1	0,511	0,303	0,470	0,414	0,429	0,606	0,625
E2	0,511	0,309	0,418	0,425	0,442	0,551	0,570

1. Encontro E1

Designação	Impulso / Força [kN]		Braço [m]	Momento [kNm]	
	E_k	E_d		Derrubante (M_{dst})	Estabilizante (M_{stb})
$I_{a,H1,CP}$	219,353	219,353	10,767	2361,706	-
$I_{a,V1,CP}$	77,695	77,695	8,500	660,404	-
$I_{0,H1,CP}$	370,236	370,236	10,767	3986,208	-
$I_{0,V1,CP}$	131,137	131,137	8,500	1114,664	-
$I_{a,H2,CP}$	261,328	261,328	5,750	1502,634	-
$I_{a,V2,CP}$	207,900	207,900	8,500	1767,146	-
$I_{0,H2,CP}$	284,260	284,260	5,750	1634,498	-
$I_{0,V2,CP}$	226,144	226,144	8,500	1922,222	-
$I_{a,H3,CP}$	140,979	140,979	4,500	634,407	-
$I_{a,V3,CP}$	112,156	112,156	8,500	953,329	-
$I_{0,H3,CP}$	153,351	153,351	4,500	690,080	-
$I_{0,V3,CP}$	121,999	121,999	8,500	1036,988	-
$I_{a,H4,SC}$	60,763	60,763	11,400	692,695	-
$I_{a,V4,SC}$	21,522	21,522	8,500	182,937	-
$I_{0,H4,SC}$	85,144	85,144	11,400	970,646	-
$I_{0,V4,SC}$	36,326	36,326	8,500	308,771	-
$I_{a,H5,SC}$	36,195	36,195	5,750	208,121	-
$I_{a,V5,SC}$	28,795	28,795	8,500	244,757	-

Designação	Impulso / Força [kN]		Braço [m]	Momento [kNm]	
	E_k	E_d		Derrubante (M_{dst})	Estabilizante (M_{stb})
$I_{0,H5,SC}$	39,371	39,371	5,750	226,385	-
$I_{0,V5,SC}$	31,322	31,322	8,500	266,236	-
$I_{a,H6,E}$	196,694	196,694	11,400	2242,311	-
$I_{a,V6,E}$	69,669	69,669	8,500	592,183	-
$I_{a,H7,E}$	182,302	182,302	12,033	2193,697	-
$I_{a,V7,E}$	64,571	64,571	8,500	548,853	-
$I_{a,H8,E}$	93,239	93,239	7,000	652,674	-
$I_{a,V8,E}$	74,177	74,177	8,500	630,500	-
$F_{H,esp+viga\ est}$	137,023	137,023	10,742	1471,860	-
$F_{V,esp+viga\ est}$	856,394	856,394	3,439	-	2944,968
$F_{H,gigante}$	197,741	197,741	5,634	1114,035	-
$F_{V,gigante}$	1235,883	1235,883	3,634	-	4491,322
$F_{H,sapata}$	0,000	0,000	0,750	0,000	-
$F_{V,sapata}$	1434,375	1434,375	4,250	-	6096,094
$F_{H,solo1}$	561,979	561,979	8,484	4767,607	-
$F_{V,solo1}$	3512,370	3512,370	6,952	-	24417,999
$F_{H,solo2}$	92,245	92,245	4,407	406,540	-
$F_{V,solo2}$	576,528	576,528	0,500	-	288,264
$F_{Ed,H,tab,E}$	-	46,936	10,500	492,830	-
$F_{Ed,V,tab,E}$	-	938,724	1,880	-	1764,801
$F_{Ed,H,tab,SC,max}$	-	114,598	10,500	1203,283	-
$F_{Ed,V,tab,SC,max}$	-	844,852	1,880	-	1588,321
$F_{Ed,H,tab,SC,min}$	-	26,497	10,500	278,221	-
$F_{Ed,V,tab,SC,min}$	-	342,200	1,880	-	643,336
i) Somatório				15943,934	36179,583
ii) Somatório				16654,387	36003,103
iii) Somatório				15729,325	35058,119

2. Encontro E2

Designação	Impulso / Força [kN]		Braço [m]	Momento [kNm]	
	E_k	E_d		Derrubante (M_{dst})	Estabilizante (M_{stb})
$I_{a,H1,CP}$	223,916	223,916	9,367	2097,351	-
$I_{a,V1,CP}$	79,311	79,311	7,700	610,693	-
$I_{0,H1,CP}$	370,236	370,236	9,367	3467,878	-
$I_{0,V1,CP}$	131,137	131,137	7,700	1009,754	-
$I_{a,H2,CP}$	196,470	196,470	5,050	992,174	-
$I_{a,V2,CP}$	125,185	125,185	7,700	963,923	-
$I_{0,H2,CP}$	240,067	240,067	5,050	1212,340	-
$I_{0,V2,CP}$	152,964	152,964	7,700	1177,820	-
$I_{a,H3,CP}$	83,060	83,060	4,033	335,010	-
$I_{a,V3,CP}$	52,924	52,924	7,700	407,511	-
$I_{0,H3,CP}$	101,492	101,492	4,033	409,350	-
$I_{0,V3,CP}$	64,667	64,667	7,700	497,939	-
$I_{a,H4,SC}$	62,027	62,027	10,000	620,267	-
$I_{a,V4,SC}$	21,970	21,970	7,700	169,167	-
$I_{0,H4,SC}$	102,558	102,558	10,000	1025,585	-
$I_{0,V4,SC}$	36,326	36,326	7,700	279,710	-
$I_{a,H5,SC}$	27,212	27,212	5,050	137,420	-
$I_{a,V5,SC}$	17,339	17,339	7,700	133,507	-
$I_{0,H5,SC}$	33,250	33,250	5,050	167,914	-
$I_{0,V5,SC}$	21,186	21,186	7,700	163,133	-
$I_{a,H6,E}$	186,027	186,027	10,000	1860,273	-
$I_{a,V6,E}$	65,890	65,890	7,700	507,357	-
$I_{a,H7,E}$	191,693	191,693	10,633	2038,336	-
$I_{a,V7,E}$	67,897	67,897	7,700	522,809	-
$I_{a,H8,E}$	60,312	60,312	6,067	365,890	-
$I_{a,V8,E}$	38,429	38,429	7,700	295,901	-
$F_{H,esp+viga\ est}$	138,268	138,268	9,288	1284,162	-
$F_{V,esp+viga\ est}$	864,174	864,174	3,646	-	3151,037
$F_{H,gigante}$	142,873	142,873	4,636	662,361	-
$F_{V,gigante}$	892,959	892,959	3,494	-	3119,552

Designação	Impulso / Força [kN]		Braço [m]	Momento [kNm]	
	E_k	E_d		Derrubante (M_{dst})	Estabilizante (M_{stb})
$F_{H,sapata}$	0,000	0,000	0,750	0,000	-
$F_{V,sapata}$	1299,375	1299,375	3,850	-	5002,594
$F_{H,solo1}$	396,063	396,063	7,366	2917,482	-
$F_{V,solo1}$	2475,396	2475,396	6,518	-	16135,374
$F_{H,solo2}$	104,187	104,187	2,938	306,059	-
$F_{V,solo2}$	651,168	651,168	0,600	-	390,701
$F_{Ed,H,tab,E}$	-	47,024	8,700	409,107	-
$F_{Ed,V,tab,E}$	-	940,476	2,080	-	1956,190
$F_{Ed,H,tab,SC,max}$	-	114,696	8,700	997,856	-
$F_{Ed,V,tab,SC,max}$	-	846,428	2,080	-	1760,571
$F_{Ed,H,tab,SC,min}$	-	26,609	8,700	231,498	-
$F_{Ed,V,tab,SC,min}$	-	344,085	2,080	-	715,697
i) Somatório				12772,995	26975,522
ii) Somatório				13361,744	26779,903
iii) Somatório				12595,386	25735,029

ANEXO P – Estado Limite de Deslizamento dos Encontros (GEO e STR)

Encontro	φ'd [º]	$\gamma_{h,d}$ [kN/m^3]	δ'_d [º]	i [º]	ϕ_1 [º]	ϕ_2 [º]	θ_1[º]	θ_2[º]
E1	29,256	19,000	19,504	-0,859	0,000	19,000	8,637	9,593
E2	29,256	19,000	19,504	0,859	0,000	13,000	8,637	9,593

Encontro	$k_{0,d}$	$k_{a,d1}$	$k_{a,d2}$	$k_{s1,d1}$	$k_{s2,d1}$	$k_{s1,d2}$	$k_{s2,d2}$
E1	0,511	0,303	0,470	0,414	0,429	0,606	0,625
E2	0,511	0,309	0,418	0,425	0,442	0,551	0,570

1. Encontro E1

GEO e STR - Estado Limite de Deslizamento (Comb1)				
Designação	**Impulso / Força [kN]**		**Força [kN]**	
	E_k	**E_d**	**Deslizante (F_{dst})**	**Estabilizante (F_{stb})**
$I_{a,H1,CP}$	219,353	219,353	219,353	-
$I_{a,V1,CP}$	77,695	104,888	-	37,151
$I_{0,H1,CP}$	370,236	370,236	370,236	-
$I_{0,V1,CP}$	131,137	177,035	-	62,705
$I_{a,H2,CP}$	261,328	261,328	261,328	-
$I_{a,V2,CP}$	207,900	280,664	-	99,411
$I_{0,H2,CP}$	284,260	284,260	284,260	-
$I_{0,V2,CP}$	226,144	305,294	-	108,135
$I_{a,H3,CP}$	140,979	140,979	140,979	-
$I_{a,V3,CP}$	112,156	151,411	-	53,629
$I_{0,H3,CP}$	153,351	153,351	153,351	-
$I_{0,V3,CP}$	121,999	164,698	-	58,336
$I_{a,H4,SC}$	60,763	0,000	0,000	-
$I_{a,V4,SC}$	21,522	32,283	-	11,435
$I_{0,H4,SC}$	85,144	0,000	0,000	-
$I_{0,V4,SC}$	36,326	54,489	-	19,300

Designação	Impulso / Força [kN]		Força [kN]	
	E_k	E_d	Deslizante (F_{dst})	Estabilizante (F_{stb})
$I_{a,H5,SC}$	36,195	0,000	0,000	-
$I_{a,V5,SC}$	28,795	43,192	-	15,299
$I_{0,H5,SC}$	39,371	0,000	0,000	-
$I_{0,V5,SC}$	31,322	46,983	-	16,641
$I_{a,H6,E}$	196,694	0,000	0,000	-
$I_{a,V6,E}$	69,669	0,000	-	0,000
$I_{a,H7,E}$	182,302	0,000	0,000	-
$I_{a,V7,E}$	64,571	0,000	-	0,000
$I_{a,H8,E}$	93,239	0,000	0,000	-
$I_{a,V8,E}$	74,177	0,000	-	0,000
$F_{H,esp+viga\ est}$	137,023	137,023	137,023	-
$F_{V,esp+viga\ est}$	856,394	1156,132	-	409,500
$F_{H,gigante}$	197,741	197,741	197,741	-
$F_{V,gigante}$	1235,883	1668,442	-	590,959
$F_{H,sapata}$	0,000	0,000	0,000	-
$F_{V,sapata}$	1434,375	1936,406	-	685,871
$F_{H,solo1}$	561,979	561,979	561,979	-
$F_{V,solo1}$	3512,370	4741,700	-	1679,501
$F_{H,solo2}$	92,245	92,245	92,245	-
$F_{V,solo2}$	576,528	778,313	-	275,677
$F_{Ed,H,tab,E}$	-	46,955	46,955	-
$F_{Ed,V,tab,E}$	-	939,097	-	332,626
$F_{Ed,H,tab,SC,max}$	-	46,936	46,936	-
$F_{Ed,V,tab,SC,max}$	-	2030,179	-	719,085
$F_{Ed,H,tab,SC,min}$	-	46,936	46,936	0,000
$F_{Ed,V,tab,SC,min}$	-	1374,355	0,000	486,794
i) Somatório			1657,60343	3805,21516
ii) Somatório			1657,58479	4191,674356
iii) Somatório			1657,58479	3959,38288

GEO e STR - Estado Limite de Deslizamento (Comb2)				
Designação	**Impulso / Força [kN]**		**Força [kN]**	
	E_k	**E_d**	**Deslizante (F_{dst})**	**Estabilizante (F_{stb})**
$I_{a,H1,CP}$	219,353	219,353	219,353	-
$I_{a,V1,CP}$	77,695	77,695	-	27,519
$I_{0,H1,CP}$	370,236	370,236	370,236	-
$I_{0,V1,CP}$	131,137	131,137	-	46,448
$I_{a,H2,CP}$	261,328	261,328	261,328	-
$I_{a,V2,CP}$	207,900	207,900	-	73,638
$I_{0,H2,CP}$	284,260	284,260	284,260	-
$I_{0,V2,CP}$	226,144	226,144	-	80,100
$I_{a,H3,CP}$	140,979	140,979	140,979	-
$I_{a,V3,CP}$	112,156	112,156	-	39,726
$I_{0,H3,CP}$	153,351	153,351	153,351	-
$I_{0,V3,CP}$	121,999	121,999	-	43,212
$I_{a,H4,SC}$	60,763	0,000	0,000	-
$I_{a,V4,SC}$	21,522	27,979	-	9,910
$I_{0,H4,SC}$	85,144	0,000	0,000	-
$I_{0,V4,SC}$	36,326	47,224	-	16,727
$I_{a,H5,SC}$	36,195	0,000	0,000	-
$I_{a,V5,SC}$	28,795	37,433	-	13,259
$I_{0,H5,SC}$	39,371	0,000	0,000	-
$I_{0,V5,SC}$	31,322	40,718	-	14,422
$I_{a,H6,E}$	196,694	0,000	0,000	-
$I_{a,V6,E}$	69,669	0,000	-	0,000
$I_{a,H7,E}$	182,302	0,000	0,000	-
$I_{a,V7,E}$	64,571	0,000	-	0,000
$I_{a,H8,E}$	93,239	0,000	0,000	-
$I_{a,V8,E}$	74,177	0,000	-	0,000
$F_{H,esp+viga\ est}$	137,023	137,023	137,023	-
$F_{V,esp+viga\ est}$	856,394	856,394	-	303,333
$F_{H,gigante}$	197,741	197,741	197,741	-
$F_{V,gigante}$	1235,883	1235,883	-	437,747

Designação	Impulso / Força [kN]		Força [kN]	
	E_k	E_d	Deslizante (F_{dst})	Estabilizante (F_{stb})
$F_{H,sapata}$	0,000	0,000	0,000	-
$F_{V,sapata}$	1434,375	1434,375	-	508,053
$F_{H,solo1}$	561,979	561,979	561,979	-
$F_{V,solo1}$	3512,370	3512,370	-	1244,075
$F_{H,solo2}$	92,245	92,245	92,245	-
$F_{V,solo2}$	576,528	576,528	-	204,205
$F_{Ed,H,tab,E}$	-	46,955	46,955	-
$F_{Ed,V,tab,E}$	-	939,097	-	332,626
$F_{Ed,H,tab,SC,max}$	-	46,936	46,936	-
$F_{Ed,V,tab,SC,max}$	-	2030,179	-	719,085
$F_{Ed,H,tab,SC,min}$	-	46,936	46,936	0,000
$F_{Ed,V,tab,SC,min}$	-	1374,355	0,000	486,794
i) Somatório			1657,603	3194,091
ii) Somatório			1657,585	3580,550
iii) Somatório			1657,585	3348,258

2. Encontro E2

GEO e STR - Estado Limite de Deslizamento (Comb1)				
Designação	Impulso / Força [kN]		Força [kN]	
	E_k	E_d	Deslizante (F_{dst})	Estabilizante (F_{stb})
$I_{a,H1,CP}$	223,9165	223,9165	223,9165	-
$I_{a,V1,CP}$	79,31077	107,0695	-	37,92382
$I_{0,H1,CP}$	370,2361	370,2361	370,2361	-
$I_{0,V1,CP}$	131,1369	177,0348	-	62,70538
$I_{a,H2,CP}$	196,4701	196,4701	196,4701	-
$I_{a,V2,CP}$	125,1848	168,9994	-	59,85926
$I_{0,H2,CP}$	240,0673	240,0673	240,0673	-
$I_{0,V2,CP}$	152,9636	206,5008	-	73,14219

Designação	Impulso / Força [kN]		Força [kN]	
	E_k	E_d	Deslizante (F_{dst})	Estabilizante (F_{stb})
$I_{a,H3,CP}$	83,06032	83,06032	83,06032	-
$I_{a,V3,CP}$	52,9235	71,44673	-	25,30629
$I_{0,H3,CP}$	101,4916	101,4916	101,4916	-
$I_{0,V3,CP}$	64,66736	87,30094	-	30,92182
$I_{a,H4,SC}$	62,02672	0	0	-
$I_{a,V4,SC}$	21,96974	32,95461	-	11,67246
$I_{0,H4,SC}$	102,5585	0	0	-
$I_{0,V4,SC}$	36,32601	54,48901	-	19,2999
$I_{a,H5,SC}$	27,21192	0	0	-
$I_{a,V5,SC}$	17,33861	26,00791	-	9,211951
$I_{0,H5,SC}$	33,25032	0	0	-
$I_{0,V5,SC}$	21,18609	31,77914	-	11,25611
$I_{a,H6,E}$	186,0273	0	0	-
$I_{a,V6,E}$	65,89049	0	-	0
$I_{a,H7,E}$	191,693	0	0	-
$I_{a,V7,E}$	67,89729	0	-	0
$I_{a,H8,E}$	60,3116	0	0	-
$I_{a,V8,E}$	38,42872	0	-	0
$F_{H,esp+viga\ est}$	138,2678	138,2678	138,2678	-
$F_{V,esp+viga\ est}$	864,1738	1166,635	-	413,2197
$F_{H,gigante}$	142,8734	142,8734	142,8734	-
$F_{V,gigante}$	892,959	1205,495	-	426,9838
$F_{H,sapata}$	0	0	0	-
$F_{V,sapata}$	1299,375	1754,156	-	621,3187
$F_{H,solo1}$	396,0634	396,0634	396,0634	-
$F_{V,solo1}$	2475,396	3341,785	-	1183,654
$F_{H,solo2}$	104,1869	104,1869	104,1869	-
$F_{V,solo2}$	651,168	879,0768	-	311,3673
$F_{Ed,H,tab,E}$	-	47,04056	47,04056	-
$F_{Ed,V,tab,E}$	-	940,8113	-	333,2335
$F_{Ed,H,tab,SC,max}$	-	47,0238	47,0238	-
$F_{Ed,V,tab,SC,max}$	-	2031,955	-	719,7145

Designação	Impulso / Força [kN]		Força [kN]	
	E_k	E_d	Deslizante (F_{dst})	Estabilizante (F_{stb})
$F_{Ed,H,tab,SC,min}$	-	47,0238	47,0238	-
$F_{Ed,V,tab,SC,min}$	-	1375,84	-	487,3199
i) Somatório			1331,879	3123,699
ii) Somatório			1331,862	3510,18
iii) Somatório			1331,862	3277,785

GEO e STR - Estado Limite de Deslizamento (Comb2)				
Designação	Impulso / Força [kN]		Força [kN]	
	E_k	E_d	Deslizante (F_{dst})	Estabilizante (F_{stb})
$I_{a,H1,CP}$	223,916	223,916	223,916	-
$I_{a,V1,CP}$	79,311	79,311	-	28,092
$I_{0,H1,CP}$	370,236	370,236	370,236	-
$I_{0,V1,CP}$	131,137	131,137	-	46,448
$I_{a,H2,CP}$	196,470	196,470	196,470	-
$I_{a,V2,CP}$	125,185	125,185	-	44,340
$I_{0,H2,CP}$	240,067	240,067	240,067	-
$I_{0,V2,CP}$	152,964	152,964	-	54,179
$I_{a,H3,CP}$	83,060	83,060	83,060	-
$I_{a,V3,CP}$	52,924	52,924	-	18,745
$I_{0,H3,CP}$	101,492	101,492	101,492	-
$I_{0,V3,CP}$	64,667	64,667	-	22,905
$I_{a,H4,SC}$	62,027	0,000	0,000	-
$I_{a,V4,SC}$	21,970	28,561	-	10,116
$I_{0,H4,SC}$	102,558	0,000	0,000	-
$I_{0,V4,SC}$	36,326	47,224	-	16,727
$I_{a,H5,SC}$	27,212	0,000	0,000	-
$I_{a,V5,SC}$	17,339	22,540	-	7,984
$I_{0,H5,SC}$	33,250	0,000	0,000	-
$I_{0,V5,SC}$	21,186	27,542	-	9,755
$I_{a,H6,E}$	186,027	0,000	0,000	-
$I_{a,V6,E}$	65,890	0,000	-	0,000
$I_{a,H7,E}$	191,693	0,000	0,000	-

Designação	Impulso / Força [kN]		Força [kN]	
	E_k	E_d	Deslizante (F_{dst})	Estabilizante (F_{stb})
$I_{a,V7,E}$	67,897	0,000	-	0,000
$I_{a,H8,E}$	60,312	0,000	0,000	-
$I_{a,V8,E}$	38,429	0,000	-	0,000
$F_{H,esp+viga\ est}$	138,268	138,268	138,268	-
$F_{V,esp+viga\ est}$	864,174	864,174	-	306,089
$F_{H,gigante}$	142,873	142,873	142,873	-
$F_{V,gigante}$	892,959	892,959	-	316,284
$F_{H,sapata}$	0,000	0,000	0,000	-
$F_{V,sapata}$	1299,375	1299,375	-	460,236
$F_{H,solo1}$	396,063	396,063	396,063	-
$F_{V,solo1}$	2475,396	2475,396	-	876,780
$F_{H,solo2}$	104,187	104,187	104,187	-
$F_{V,solo2}$	651,168	651,168	-	230,642
$F_{Ed,H,tab,E}$	-	47,041	47,041	-
$F_{Ed,V,tab,E}$	-	940,811	-	333,233
$F_{Ed,H,tab,SC,max}$	-	47,024	47,024	-
$F_{Ed,V,tab,SC,max}$	-	2031,955	-	719,715
$F_{Ed,H,tab,SC,min}$	-	47,024	47,024	-
$F_{Ed,V,tab,SC,min}$	-	1375,840	-	487,320
i) Somatório			1331,879	2632,542
ii) Somatório			1331,862	3019,024
iii) Somatório			1331,862	2786,629

ANEXO Q – Estado Limite de Rotura do Terreno de fundação dos Encontros (GEO e STR)

Encontro	φ'd [º]	$\gamma_{h,d}$ [kN/m^3]	δ'_d [º]	i [º]	ϕ_1 [º]	ϕ_2 [º]	θ_1[º]	θ_2[º]
E1	29,256	19,000	19,504	-0,859	0,000	19,000	8,637	9,593
E2	29,256	19,000	19,504	0,859	0,000	13,000	8,637	9,593

Encontro	$k_{0,d}$	$k_{a,d1}$	$k_{a,d2}$	$k_{s1,d1}$	$k_{s2,d1}$	$k_{s1,d2}$	$k_{s2,d2}$
E1	0,511	0,303	0,470	0,414	0,429	0,606	0,625
E2	0,511	0,309	0,418	0,425	0,442	0,551	0,570

1. Encontro E1

Designação	Impulso / Força [kN]		Braço [m]	Horizontal		Vertical	
	E_k	E_d		$F_{ed,Hi}$ [kN]	$F_{ed,Hi}$ x br_{Hi} [kNm]	$F_{ed,Vi}$ [kN]	$F_{ed,Vi}$ x br_{Vi} [kNm]
$I_{a,H1,CP}$	219,353	219,353	10,767	219,353	2361,706	-	-
$I_{a,V1,CP}$	77,695	77,695	4,250	-	-	77,695	330,202
$I_{0,H1,CP}$	370,236	370,236	10,767	370,236	3986,208	-	-
$I_{0,V1,CP}$	131,137	131,137	4,250	-	-	131,137	557,332
$I_{a,H2,CP}$	261,328	261,328	5,750	261,328	1502,634	-	-
$I_{a,V2,CP}$	207,900	207,900	4,250	-	-	207,900	883,573
$I_{0,H2,CP}$	284,260	284,260	5,750	284,260	1634,498	-	-
$I_{0,V2,CP}$	226,144	226,144	4,250	-	-	226,144	961,111
$I_{a,H3,CP}$	140,979	140,979	4,500	140,979	634,407	-	-
$I_{a,V3,CP}$	112,156	112,156	4,250	-	-	112,156	476,664
$I_{0,H3,CP}$	153,351	153,351	4,500	153,351	690,080	-	-
$I_{0,V3,CP}$	121,999	121,999	4,250	-	-	121,999	518,494
$I_{a,H4,SC}$	60,763	0,000	11,400	0,000	0,000	-	-
$I_{a,V4,SC}$	21,522	27,979	4,250	-	-	27,979	118,909
$I_{0,H4,SC}$	85,144	0,000	11,400	0,000	0,000	-	-
$I_{0,V4,SC}$	36,326	47,224	4,250	-	-	47,224	200,701

Designação	Impulso / Força [kN]		Braço [m]	Horizontal		Vertical	
	E_k	E_d		$F_{ed,Hi}$ [kN]	$F_{ed,Hi}$ x br_{Hi} [kNm]	$F_{ed,Vi}$ [kN]	$F_{ed,Vi}$ x br_{Vi} [kNm]
$I_{a,H5,SC}$	36,195	0,000	5,750	0,000	0,000	-	-
$I_{a,V5,SC}$	28,795	37,433	4,250	-	-	37,433	159,092
$I_{0,H5,SC}$	39,371	0,000	5,750	0,000	0,000	-	-
$I_{0,V5,SC}$	31,322	40,718	4,250	-	-	40,718	173,053
$I_{a,H6,E}$	196,694	0,000	11,400	0,000	0,000	-	-
$I_{a,V6,E}$	69,669	0,000	4,250	-	-	0,000	0,000
$I_{a,H7,E}$	182,302	0,000	12,033	0,000	0,000	-	-
$I_{a,V7,E}$	64,571	0,000	4,250	-	-	0,000	0,000
$I_{a,H8,E}$	93,239	0,000	7,000	0,000	0,000	-	-
$I_{a,V8,E}$	74,177	0,000	4,250	-	-	0,000	0,000
$F_{H,esp+viga\ est}$	0,000	0,000	10,742	0,000	0,000	-	-
$F_{V,esp+viga\ est}$	856,394	856,394	-0,811	-	-	856,394	-694,707
$F_{H,gigante}$	0,000	0,000	5,634	0,000	0,000	-	-
$F_{V,gigante}$	1235,883	1235,883	-0,616	-	-	1235,883	-761,180
$F_{H,sapata}$	0,000	0,000	0,750	0,000	0,000	-	-
$F_{V,sapata}$	1434,375	1434,375	0,000	-	-	1434,375	0,000
$F_{H,solo1}$	0,000	0,000	8,484	0,000	0,000	-	-
$F_{V,solo1}$	3512,370	3512,370	2,702	-	-	3512,370	9490,425
$F_{H,solo2}$	0,000	0,000	4,407	0,000	0,000	-	-
$F_{V,solo2}$	576,528	576,528	-3,750	-	-	576,528	-2161,982
$F_{Ed,H,tab,E}$	-	46,955	10,500	46,955	493,026	-	-
$F_{Ed,V,tab,E}$	-	939,097	-2,370	-	-	939,097	-2225,659
$F_{Ed,H,tab,SC,max}$	-	46,936	10,500	46,936	492,830	-	-
$F_{Ed,V,tab,SC,max}$	-	2030,179	-2,370	-	-	2030,179	-4811,524
i) Somatório						9017,810	5615,337
ii) Somatório						10108,892	3029,472
iv) Somatório						10212,951	3471,723

2. Encontro E2

Designação	Impulso / Força [kN]		Braço [m]	Horizontal		Vertical	
	E_k	E_d		$F_{ed,Hi}$ [kN]	$F_{ed,Hi}$ x br_{Hi} [kNm]	$F_{ed,Vi}$ [kN]	$F_{ed,Vi}$ x br_{Vi} [kNm]
$I_{a,H1,CP}$	223,9165	223,9165	9,366667	223,9165	2097,351	-	-
$I_{a,V1,CP}$	79,31077	79,31077	3,85	-	-	79,31077	305,3465
$I_{0,H1,CP}$	370,2361	370,2361	9,366667	370,2361	3467,878	-	-
$I_{0,V1,CP}$	131,1369	131,1369	3,85	-	-	131,1369	504,877
$I_{a,H2,CP}$	196,4701	196,4701	5,05	196,4701	992,1739	-	-
$I_{a,V2,CP}$	125,1848	125,1848	3,85	-	-	125,1848	481,9613
$I_{0,H2,CP}$	240,0673	240,0673	5,05	240,0673	1212,34	-	-
$I_{0,V2,CP}$	152,9636	152,9636	3,85	-	-	152,9636	588,9098
$I_{a,H3,CP}$	83,06032	83,06032	4,033333	83,06032	335,0099	-	-
$I_{a,V3,CP}$	52,9235	52,9235	3,85	-	-	52,9235	203,7555
$I_{0,H3,CP}$	101,4916	101,4916	4,033333	101,4916	409,3495	-	-
$I_{0,V3,CP}$	64,66736	64,66736	3,85	-	-	64,66736	248,9694
$I_{a,H4,SC}$	62,02672	0	10	0	0	-	-
$I_{a,V4,SC}$	21,96974	28,56066	3,85	-	-	28,56066	109,9586
$I_{0,H4,SC}$	102,5585	0	10	0	0	-	-
$I_{0,V4,SC}$	36,32601	47,22381	3,85	-	-	47,22381	181,8117
$I_{a,H5,SC}$	27,21192	0	5,05	0	0	-	-
$I_{a,V5,SC}$	17,33861	22,54019	3,85	-	-	22,54019	86,77973
$I_{0,H5,SC}$	33,25032	0	5,05	0	0	-	-
$I_{0,V5,SC}$	21,18609	27,54192	3,85	-	-	27,54192	106,0364
$I_{a,H6,E}$	186,0273	0	10	0	0	-	-
$I_{a,V6,E}$	65,89049	0	3,85	-	-	0	0
$I_{a,H7,E}$	191,693	0	10,63333	0	0	-	-
$I_{a,V7,E}$	67,89729	0	3,85	-	-	0	0
$I_{a,H8,E}$	60,3116	0	6,066667	0	0	-	-
$I_{a,V8,E}$	38,42872	0	3,85	-	-	0	0
$F_{H,esp+viga\ est}$	0	0	9,2875	0	0	-	-
$F_{V,esp+viga\ est}$	864,1738	864,1738	-0,2037	-	-	864,1738	-176,032
$F_{H,gigante}$	0	0	4,636	0	0	-	-

Designação	Impulso / Força [kN]		Braço [m]	Horizontal		Vertical	
	E_k	E_d		$F_{ed,Hi}$ [kN]	$F_{ed,Hi}$ x br_{Hi} [kNm]	$F_{ed,Vi}$ [kN]	$F_{ed,Vi}$ x br_{Vi} [kNm]
$F_{V,gigante}$	892,959	892,959	-0,3565	-	-	892,959	-318,34
$F_{H,sapata}$	0	0	0,75	0	0	-	-
$F_{V,sapata}$	1299,375	1299,375	0	-	-	1299,375	0
$F_{H,solo1}$	0	0	7,3662	0	0	-	-
$F_{V,solo1}$	2475,396	2475,396	2,6683	-	-	2475,396	6605,099
$F_{H,solo2}$	0	0	2,9376	0	0	-	-
$F_{V,solo2}$	651,168	651,168	-3,25	-	-	651,168	-2116,3
$F_{Ed,H,tab,E}$	-	47,04056	8,7	47,04056	409,2529	-	-
$F_{Ed,V,tab,E}$	-	940,8113	-1,77	-	-	940,8113	-1665,24
$F_{Ed,H,tab,SC,max}$	-	47,0238	8,7	47,0238	409,1071	-	-
$F_{Ed,V,tab,SC,max}$	-	2031,955	-1,77	-	-	2031,955	-3596,56
i) Somatório						7432,403	3516,997
ii) Somatório						8523,547	1585,672
iv) Somatório						8638,561	2028,474

ANEXO R – Esforços Para o Dimensionamento Estrutural dos Gigantes e das Sapatas dos Encontros

Encontro	φ'd [º]	$\gamma_{h,d}$ [kN/m^3]	δ'$_d$ [º]	i [º]	ϕ_1 [º]	ϕ_2 [º]	θ_1[º]	θ_2[º]
E1	29,256	19,000	19,504	-0,859	0,000	19,000	8,637	9,593
E2	29,256	19,000	19,504	0,859	0,000	13,000	8,637	9,593

Encontro	$k_{0,d}$	$k_{a,d1}$	$k_{a,d2}$	$k_{s1,d1}$	$k_{s2,d1}$	$k_{s1,d2}$	$k_{s2,d2}$
E1	0,511	0,303	0,470	0,414	0,429	0,606	0,625
E2	0,511	0,309	0,418	0,425	0,442	0,551	0,570

1. Encontro E1

Esforços devido às forças horizontais					
Designação	**γ**	**Impulso / Força [kN]**		**Braço [m]**	**Momento [kNm]**
		E_k	**E_d**		
$I_{a1,CP}$	1,350	232,707	314,154	9,267	2911,160
$I_{01,CP}$	1,350	392,774	530,245	9,267	4913,606
$I_{a2,CP}$	1,350	333,938	450,816	4,250	1915,967
$I_{02,CP}$	1,350	363,242	490,377	4,250	2084,103
$I_{a3,CP}$	1,350	180,151	243,203	3,000	729,610
$I_{03,CP}$	1,350	195,960	264,546	3,000	793,637
$I_{a4,SC}$	1,500	64,462	96,693	9,900	957,256
$I_{04,SC}$	1,500	108,802	163,203	9,900	1615,706
$I_{a5,SC}$	1,500	46,252	69,378	4,250	294,855
$I_{05,SC}$	1,500	50,311	75,466	4,250	320,730
$I_{a6,E}$	1,500	257,665	386,497	9,900	3826,319
$I_{a7,E}$	1,500	238,811	358,217	10,533	3773,215
$I_{a8,E}$	1,500	119,146	178,718	5,500	982,952
$F_{H,esp+viga\ est}$	1,350	137,023	184,981	10,742	1987,012
$F_{H,gigante}$	1,350	197,741	266,951	5,634	1503,947
$F_{H,solo1}$	1,350	561,979	758,672	8,484	6436,270

Designação	γ	Impulso / Força [kN]		Braço [m]	Momento [kNm]
		E_k	E_d		
$F_{H,solo2}$	1,350	92,245	124,530	4,407	548,829
$F_{Ed,HL,tab,E}$	1,500	46,955	70,432	9,000	633,890
i) Somatorio		FEd,HL [kN]=	3503,241	MEd,HL [kNm]=	26501,282
iv) Somatorio		FEd,HL [kN]=	2620,302	MEd,HL [kNm]=	18267,404

Esforços devido às forças verticais					
Designação	γ	Impulso / Força [kN]		Braço [m]	Momento [kNm]
		E_k	E_d		
$F_{Ed,V,tab,CP}$	1,350	938,724	1267,277	2,370	3003,447
$F_{Ed,V,tab,SC}$	1,500	544,153	816,229	2,370	1934,462
$F_{Ed,V,tab,E}$	1,500	0,249	0,373	2,370	0,883
$F_{V,esp+viga\ est}$	1,350	856,394	1156,132	0,811	937,854
$F_{V,gigante}$	1,350	1235,883	1668,442	0,616	1027,593
$F_{V,solo1}$	1,350	3512,370	4741,700	-2,702	-12812,074
$F_{V,solo2}$	1,350	576,528	778,313	3,750	2918,675
			$F_{Ed,V}$ [kN]	br_V [m]	$M_{Ed,V,y}$ [kNm]
			10428,466	-0,287	-2989,158

2. Encontro E2

Esforços devido às forças horizontais					
Designação	γ	Impulso / Força [kN]		Braço [m]	Momento [kNm]
		E_k	E_d		
$I_{a1,CP}$	1,350	237,547	320,689	7,867	2522,754
$I_{01,CP}$	1,350	392,774	530,245	7,867	4171,263
$I_{a2,CP}$	1,350	232,963	314,500	3,550	1116,475
$I_{02,CP}$	1,350	284,658	384,288	3,550	1364,223
$I_{a3,CP}$	1,350	98,488	132,959	2,533	336,829
$I_{03,CP}$	1,350	120,343	162,463	2,533	411,573
$I_{a4,SC}$	1,500	65,803	98,704	8,500	838,983
$I_{04,SC}$	1,500	108,802	163,203	8,500	1387,222

Designação	γ	Impulso / Força [kN]		Braço [m]	Momento [kNm]
		E_k	E_d		
$I_{a5,SC}$	1,500	32,266	48,399	3,550	171,818
$I_{05,SC}$	1,500	39,426	59,139	3,550	209,945
$I_{a6,E}$	1,500	197,352	296,028	8,500	2516,234
$I_{a7,E}$	1,500	233,407	350,110	9,133	3197,675
$I_{a8,E}$	1,500	71,514	107,271	4,567	489,871
$F_{H,esp+viga\ est}$	1,350	138,268	186,662	9,288	1733,619
$F_{H,gigante}$	1,350	142,873	192,879	4,636	894,188
$F_{H,solo1}$	1,350	396,063	534,686	7,366	3938,601
$F_{H,solo2}$	1,350	104,187	140,652	2,938	413,180
$F_{Ed,HL,tab,E}$	1,500	47,041	70,561	7,200	508,038
i) Somatorio		FEd,HL [kN]=	2794,100	MEd,HL [kNm]=	18678,265
iv) Somatorio		FEd,HL [kN]=	2131,875	MEd,HL [kNm]=	12926,646

Esforços devido às forças verticais					
Designação	γ	Impulso / Força [kN]		Braço [m]	Momento [kNm]
		E_k	E_d		
$F_{Ed,V,tab,CP}$	1,350	940,476	1269,643	1,770	2247,267
$F_{Ed,V,tab,SC}$	1,500	544,165	816,247	1,770	1444,757
$F_{Ed,V,tab,E}$	1,500	0,224	0,335	1,770	0,593
$F_{V,esp+viga\ est}$	1,350	864,174	1166,635	0,204	237,643
$F_{V,gigante}$	1,350	892,959	1205,495	0,357	429,759
$F_{V,solo1}$	1,350	2475,396	3341,785	-2,668	-8916,884
$F_{V,solo2}$	1,350	651,168	879,077	3,250	2857,000
			$F_{Ed,V}$ [kN]	br_V [m]	$M_{Ed,V,y}$ [kNm]
			8679,215	8679,215	8679,215

ANEXO S – Deslocamento Longitudinal Devido aos Efeitos Diferidos de Fluência e Retração do Betão

O deslocamento longitudinal devido aos efeitos diferidos de fluência e retração do betão, são óbitos através da seguinte expressão:

$$\delta_{c+s} = \alpha \cdot \Delta T \cdot L \tag{S.1}$$

Em que:

$$\Delta T = \frac{\varepsilon_{cc}(t) + \varepsilon_{cs}(t,t_0)}{\alpha} \tag{S.2}$$

$$\varepsilon_{cc} = \varphi(t,t_0) \cdot \frac{\sigma_c}{E_c} \tag{S.3}$$

$$E_c = 1{,}05 \cdot E_{cm} \tag{S.4}$$

$$L = |x_{CR} - x_i| \tag{S.5}$$

$$x_{CR} = \frac{\sum_{j=1}(x_j \cdot k_j)}{\sum_{j=1}(k_j)} \tag{S.6}$$

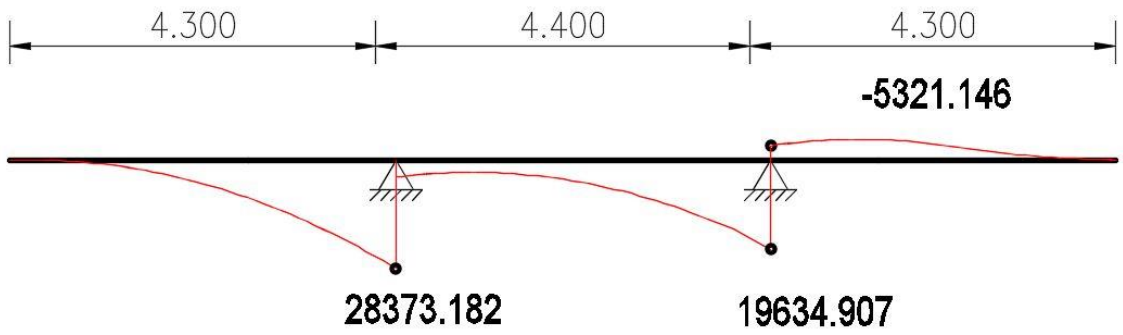
Centro de Rigidez							
Aparelho de apoio	**x [m]**	**L [m]**	**E_{cm} [GPa]**	**I_c [m^4]**	**K [kN/m]**	**x_j*K_j [kN]**	**x_{CR} [m]**
P1	32,800	26,000	34,000	1,629	9451,375	310005,099	189,470
P2	73,800	35,000	34,000	1,629	15497,830	1143739,862	
P3	114,800	43,000	34,000	1,629	8357,371	959426,147	
P4	155,800	48,000	34,000	1,629	6008,296	936092,509	
P5	196,800	37,500	34,000	1,629	12600,310	2479740,982	
P6	237,800	28,000	34,000	1,629	30269,199	7198015,622	
P7	278,800	18,000	34,000	1,629	28483,773	7941276,022	
Somatório					110668,154	20968296,243	

Variação de temperatura equivalente							
Aparelho de apoio	**ε_{cs} [t]**	**$\phi(t,t_0)$**	**σ_c [MPa]**	**ε_{cc} [t]**	**α [ºC^{-1}]**	**ΔT_i [ºC]**	**x_{CR} [m]**
E1	-3,08E-04	2,392	-1,499	-1,00E-04	1,00E-05	-40,797	-42,215
P1	-3,08E-04	2,392	-1,679	-1,13E-04	1,00E-05	-42,000	
P7	-3,08E-04	2,392	-1,948	-1,30E-04	1,00E-05	-43,799	
E2	-3,08E-04	2,392	-1,718	-1,15E-04	1,00E-05	-42,263	

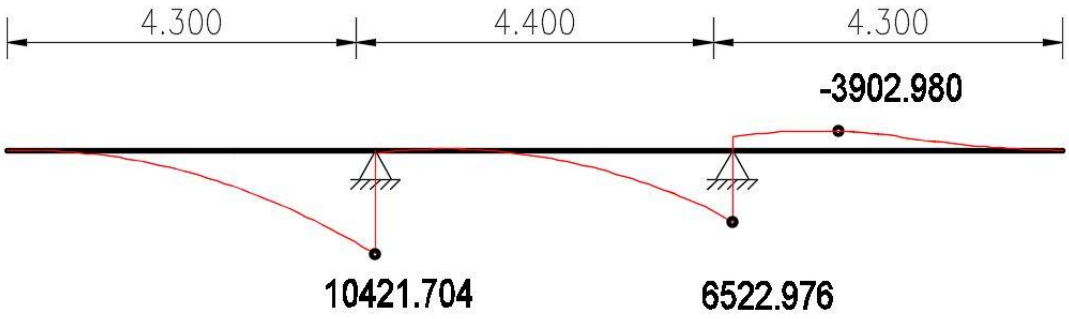
Deslocamentos devido aos efeitos diferidos de fluência e retração do betão				
Aparelho de apoio	**α [ºC^{-1}]**	**ΔT_i [ºC]**	**L [m]**	**δ_{c+s} [mm]**
E1	1,000E-05	-40,797	189,470	-77,298
P1	1,000E-05	-42,000	156,670	-65,802
P7	1,000E-05	-43,799	89,330	-39,126
E2	1,000E-05	-42,263	122,130	-51,616

ANEXO T – Diagrama de momentos fletores para verificação estrutural das sapatas

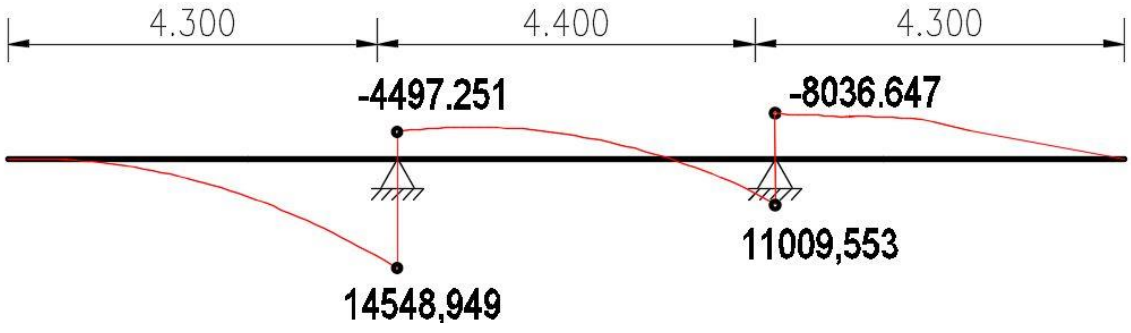
a. Diagrama de momentos fletor da sapata S1



b. Diagrama de momentos fletor da sapata S6

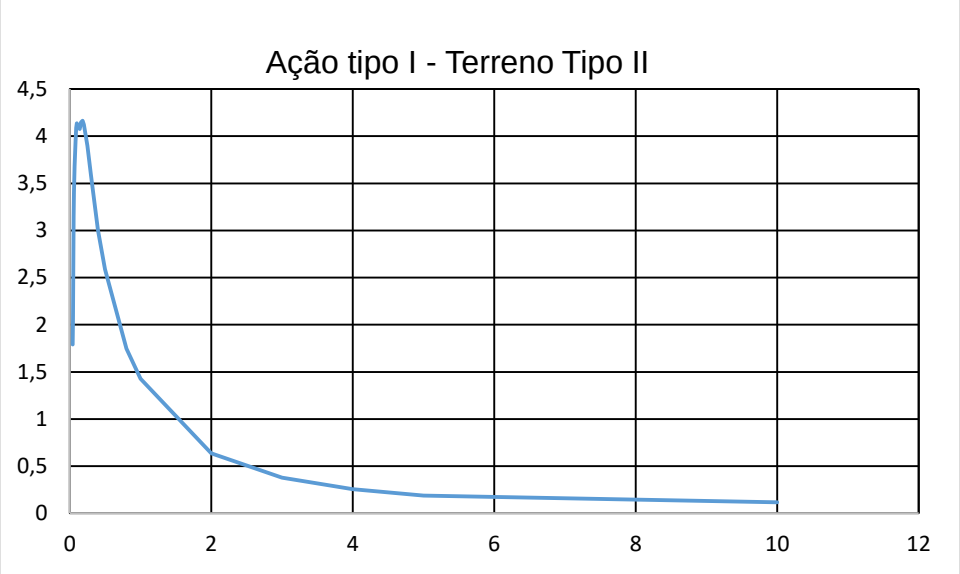


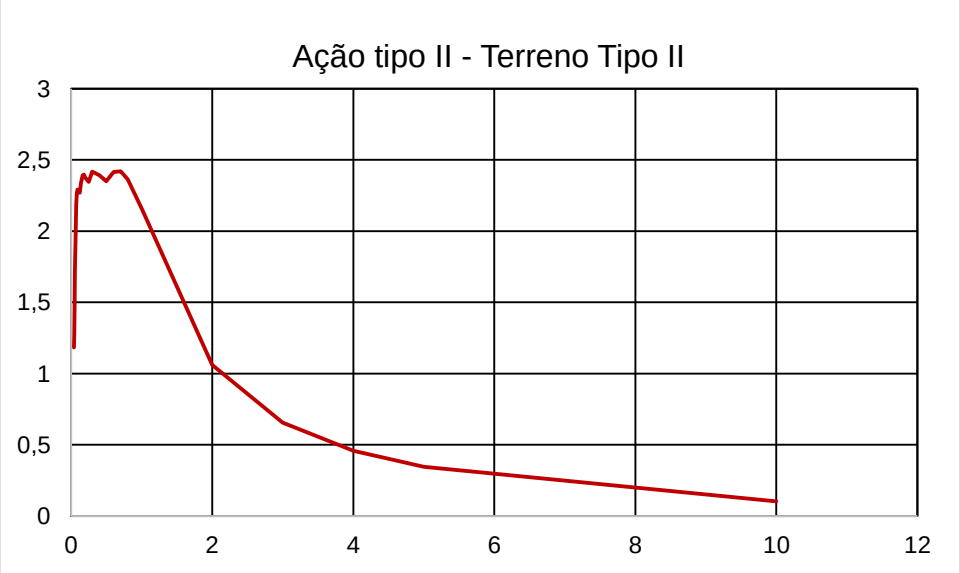
c. Diagrama de momentos fletor da sapata S7



ANEXO U – Espetros de Resposta do RSA

Zona sísmica	Coeficiente de amortecimento (ξ) [%]
A	5





Ação Tipo I	
T(SEG)	A [m/s^2]
0,04	1,791
0,045	2,056
0,05	2,609
0,055	3,146
0,06	3,404
0,07	3,683
0,08	3,948
0,09	4,091
0,1	4,138
0,12	4,101
0,14	4,075
0,16	4,146
0,18	4,165
0,2	4,124
0,25	3,9
0,3	3,589
0,4	3,002
0,5	2,59
0,8	1,746
1	1,426
2	0,635
3	0,377
4	0,255
5	0,186
10	0,115

Ação Tipo II	
T (SEG)	A [m/s^2]
0,04	1,185
0,045	1,275
0,05	1,471
0,055	1,729
0,06	1,944
0,07	2,182
0,08	2,267
0,09	2,291
0,1	2,287
0,12	2,27
0,14	2,339
0,16	2,391
0,18	2,397
0,2	2,377
0,25	2,346
0,3	2,417
0,4	2,394
0,5	2,351
0,6	2,416
0,7	2,419
0,8	2,363
1	2,156
2	1,06
3	0,655
4	0,459
5	0,345
10	0,103

ANEXO V – Coeficientes de Fluência dos Pilares

Pilares		
Perímetro=	7,539822	m
Area$_C$=	4,523893	m2
Hr=	70	%
T=	20	ºC
Betão =	C35/45	
ECM=	34	Gpa
fCM=	43	Mpa
fCTM=	3,2	Mpa
t0=	3	dias
t∞=	20000	dias
βFCM=	2,561976	
βT0=	0,743091	
h0=	1200	mm
βc(t,t0)=	0,970439	
βH=	2103,585	
α1=	0,865804	
α2=	0,959666	
α3=	0,902194	
ϕRH=	1,194233	
ϕ0=	2,273557	
ϕ(c)=	2,206348	2 < φ(c) < 3