

Tab.1 G1A1E1-E

P /KN	U_L /mm	U_1 /mm	U_2 /mm	U_3 /mm	U_4 /mm	A1			A2			A3			A4			B1	B2
						0 °	45 °	90 °	0 °	45 °	90 °	0 °	45 °	90 °	0 °	45 °	90 °	0 °	0 °
0	33.27	667	1126	278	1098	0.3	-1.0	0.0	-0.5	-0.9	-1.3	192.3	0.7	2.3	-15.4	0.5	-0.2	1.1	1.1
20.00	34.75	666	1123	277	1100	-30.5	-8.4	-128.7	51.9	-40.9	-129.5	1263.9	-72.2	10.5	-6.3	5.1	-29.5	512.7	-109.9
30.00	35.55	665	1122	277	1101	-55.9	-32.4	-195.1	74.7	-78.2	-241.7	776.9	-86.4	14.2	4.6	6.5	-118.8	425.0	-57.0
40.00	36.59	666	1123	277	1103	-80.9	-94.7	-268.7	104.9	-161.3	-388.9	2293.6	-42.7	-7.2	23.0	37.9	-265	-110.2	207.6
50.00	37.20	665	1123	277	1105	-106	-138.9	-341.8	137.2	-217.7	-505.1	1907.0	-28.8	-33.8	25.6	57.2	-338.1	4.0	277.6
55.00	37.51	662	1119	273	1109	-115.8	-200.8	-424.4	165.4	-266.2	-626.9	1954.6	18.0	-49.6	15.0	114.8	-332.9	352.4	361.4
<u>46.72</u>	<u>45.25</u>	<u>647</u>	<u>1104</u>	<u>258</u>	<u>1124</u>	-129.2	-325.2	-621.7	-256.8	-422.5	-	-	67.5	-82.6	32.6	322.6	-429.5	453.2	521.7

Tab.2 G1A2E1-E

P /KN	U_L /mm	U_1 /mm	U_2 /mm	U_3 /mm	U_4 /mm	A1			A2			A3			A4			B1		B2
						0 °	45 °	90 °	0 °	45 °	90 °	0 °	45 °	90 °	0 °	45 °	90 °	0 °	0 °	
0	35.24	271	1120	680	1113	-0.3	-0.6	0.7	-0.2	0.1	-0.2	1.1	1.1	-0.2	0.1	0.5	0.9	0.1	1.4	
20.00	36.52	272	1121	681	1116	-68.2	-67.9	46.5	-165.4	-71.6	38.1	-108.2	-58.3	48.7	9.2	-25.6	38.9	-36.2	35.7	
30.00	37.31	272	1125	681	1116	-136.8	-102.4	52.7	-263.3	-120.1	65.4	-159.5	-70.4	53.3	15.3	-15.9	45.9	-47.0	114.6	
40.00	38.12	272	1127	682	1116	-207.8	-148	74.5	-367.0	-171.1	91.6	-190	-88.7	65.4	17.9	-2.7	52.5	-112.8	219.7	
50.00	38.76	273	1132	682	1117	-263.4	-183.4	90.0	-464.7	-210.7	116.3	-181.9	-82.8	68.0	26.9	20.4	57.3	-265.1	514.5	
55.00	39.09	274	1133	683	1117	-269.8	-194.6	92.1	-501.3	-218	125.7	-154.7	-67.8	64.8	35.8	25.3	63.8	-344.1	710.1	
60.00	39.43	274	1133	682	1117	-271.7	-200.7	92.6	-532.0	-214.6	133.0	-117.8	-57.6	58.7	39.2	22.5	69.5	-422.8	863.7	
65.00	39.84	276	1135	684	1118	-255.9	-212.7	89.2	-537.6	-219.6	132.7	-90.7	-73.2	58.8	43.5	11.7	78.2	-479.1	919.6	
<u>52.75</u>	<u>49.59</u>	<u>290</u>	<u>1152</u>	<u>697</u>	<u>1120</u>	-265.4	-223.1	87.5	-539.2	-221.1	120.6	-87.5	-96.2	59.2	49.8	13.6	96.3	-523.6	-	

Tab.3 G1A3E1-E

P /KN	U_L /mm	U_1 /mm	U_2 /mm	U_3 /mm	U_4 /mm	A1			A2			A3			A4			B1	B2
						0 °	45 °	90 °	0 °	45 °	90 °	0 °	45 °	90 °	0 °	45 °	90 °	0 °	0 °
0	35.26	673	1110	278	1126	8.6	0.3	-0.6	-0.6	-0.9	22.1	-	21.6	2.7	0.1	0	-0.1	0.2	-0.3
20.00	36.46	674	1111	279	1125	-43.2	-33.1	-121	-52	39.7	-2.4	-	-1.2	12.2	7.9	-5.3	43.4	50.9	-80.9
30.00	37.03	674	1111	279	1124	-11.6	-60.8	-170.7	-74.5	57.7	44.1	-	46	16.5	11.3	-8.6	68.1	76.2	-130.6
40.00	37.57	674	1111	279	1124	-34.8	-88	-238.5	-102.3	81	35.4	-	37.6	-8.4	18.9	-2.6	80.3	79.6	-172
50.00	38.09	675	1112	279	1124	-28.1	-115.2	-310.3	-131.2	105.3	29	-	30.1	-39.3	27.9	-2.7	88.7	74.4	-209.1
55.00	38.36	675	1112	279	1123	-3.5	-125.9	-350.9	-148	119.7	47	-	48.3	-57.7	32.8	-2.8	92.8	69.8	-224.1
60.00	38.63	676	1112	279	1123	31.7	-140.4	-389.1	-163	131.3	53.7	-	55.2	-77	38.2	-2.9	94.6	60.5	-240.3
65.00	38.90	676	1114	279	1123	-11.6	-152.7	-430.1	-179.6	145.1	11.8	-	15.7	-95.6	42.9	-2.1	99.4	52.9	-253
70.00	39.20	676	1115	280	1123	-12.7	-163.4	-473.2	-195.9	159.4	3.1	-	7.1	-115.6	46.9	-2.11	105	47.6	-263.3
75.00	39.62	678	1117	280	1123	46.9	-168.4	-518.4	-209.6	176.4	46.7	-	54.4	-138.7	49.7	-2.12	112.3	46.1	-269.7
80.00	40.00	678	1122	280	1123	257.2	-158.5	-554.2	-232.6	192.7	37	-	50.7	-169.5	74.4	-2.13	119.1	32.6	-217
85.00	40.34	679	1127	281	1122	293.8	-175.6	-579.2	-258.6	205.4	27.7	-	42.4	-189	86.6	-2.14	124	31.4	-226.2
90.00	40.68	681	1128	281	1122	339.7	-199.6	-567.4	-273.2	206	45.8	-	63.5	-210.6	94.9	-2.15	133	32.5	-240.6

95.00	41.00	683	1134	282	1120	382.4	-220.2	-524.6	-278.8	196.5	75.5	-	98.5	-230.9	83.4	-2.16	143.3	37.2	-265.4
-------	-------	-----	------	-----	------	-------	--------	--------	--------	-------	------	---	------	--------	------	-------	-------	------	--------

Tab.4 G1A4E1-E

P /KN	U_L /mm	U_1 /mm	U_2 /mm	U_3 /mm	U_4 /mm	A1			A2			A3			A4			B1	B2
						0 °	45 °	90 °	0 °	45 °	90 °	0 °	45 °	90 °	0 °	45 °	90 °	0 °	0 °
0	34.55	689	1116	273	1128	5.7	-2.6	-3.5	-3.5	-3.8	19.2	-2.1	18.7	-0.2	-2.8	-2.9	-3	-2.7	-3.2
20.00	35.73	688	1117	274	1127	-46.1	-36	-123.9	-54.9	36.8	-5.3	33.2	-4.1	9.3	5	-8.2	40.5	48	-83.8
30.00	36.29	688	1117	274	1126	-14.5	-63.7	-173.6	-77.4	54.8	41.2	67.3	43.1	13.6	8.4	-11.5	65.2	73.3	-133.5
40.00	36.82	688	1117	274	1126	-37.7	-90.9	-241.4	-105.2	78.1	32.5	99.2	34.7	-11.3	16	-5.5	77.4	76.7	-174.9
50.00	37.33	687	1117	274	1126	-31	-118.1	-313.2	-134.1	102.4	26.1	128.3	27.2	-42.2	25	-5.6	85.8	71.5	-212
55.00	37.59	687	1118	275	1125	-6.4	-128.8	-353.8	-150.9	116.8	44.1	142.9	45.4	-60.6	29.9	-5.7	89.9	66.9	-227
60.00	37.86	687	1118	275	1125	28.8	-143.3	-392	-165.9	128.4	50.8	155.2	52.3	-79.9	35.3	-5.8	91.7	57.6	-243.2
65.00	38.12	686	1118	275	1125	-14.5	-155.6	-433	-182.5	142.2	8.9	166.8	12.8	-98.5	40	-5	96.5	50	-255.9
70.00	38.42	686	1119	275	1125	-15.6	-166.3	-476.1	-198.8	156.5	0.2	176.7	4.2	-118.5	44	-5.01	102.1	44.7	-266.2
75.00	38.82	685	1118	275	1125	44	-171.3	-521.3	-212.5	173.5	43.8	181.7	51.5	-141.6	46.8	-5.02	109.4	43.2	-272.6
80.00	39.20	685	1119	275	1125	254.3	-161.4	-557.1	-235.5	189.8	34.1	176.2	47.8	-172.4	71.5	-5.03	116.2	29.7	-219.9
85.00	39.53	684	1122	275	1124	290.9	-178.5	-582.1	-261.5	202.5	24.8	141.1	39.5	-191.9	83.7	-5.04	121.1	28.5	-229.1

90.00	39.87	684	1126	275	1124	336.8	-202.5	-570.3	-276.1	203.1	42.9	159.6	60.6	-213.5	92	-5.05	130.1	29.6	-243.5
95.00	40.18	682	1130	276	1122	379.5	-223.1	-527.5	-281.7	193.6	72.6	222.8	95.6	-233.8	80.5	-5.06	140.4	34.3	-268.3

Tab.5 G2A4E1-K

P /KN	U_L /mm	U_1 /mm	U_2 /mm	U_3 /mm	U_4 /mm	A1			A2			A3			A4			B1	B2
						0 °	45 °	90 °	0 °	45 °	90 °	0 °	45 °	90 °	0 °	45 °	90 °	0 °	0 °
0.00	33.96	1126	289	1116	670	0.3	-0.2	-1.4	0	-0.9	-1.4	0.8	0.1	0.8	-0.2	12.0	0.6	-0.1	0.5
20.00	35.57	1129	288	1118	672	89.8	-35.5	-135.6	44.3	-64.7	-115.4	20.1	-2.9	-32.6	-102.0	-	-76.7	-0.6	40.5
30.00	36.30	1130	288	1119	674	130.6	-61.6	-173	59.7	-89.9	-150.2	38.8	-15	-85.6	-192.6	-	-123	-7	67.2
40.00	37.05	1131	285	1119	677	196.5	-86.9	-226.6	77.2	-121.3	-176.1	62.4	-31.3	-122.3	-271.1	-	-151.1	-20.4	104.3
<u>28.58</u>	<u>47.65</u>	<u>1133</u>	<u>295</u>	<u>1148</u>	<u>708</u>	284.4	-119.4	-146.7	82.5	332.6	-37.2	5.2	-177.8	-266.5	-450.4	-	-	-	-

Tab.6 G3A4E2-E

P /KN	U_L /mm	U_1 /mm	U_2 /mm	U_3 /mm	U_4 /mm	A1			A2			A3			A4			B1	B2
						0 °	45 °	90 °	0 °	45 °	90 °	0 °	45 °	90 °	0 °	45 °	90 °	0 °	0 °
0	38.27	1209	253	1143	590	0.2	-0.9	0.3	-0.5	-0.7	-0.5	0.8	0.8	-0.2	28	0.4	0.4	-0.2	-0.2
20.00	39.35	1208	251	1142	591	31.5	-35.0	-85.7	25.4	-35.6	-94.9	36.1	-38.6	-106.0	-	-17.1	-112.8	-209.0	-932.0
30.00	40.18	1208	251	1142	591	62.8	-61.1	-145.0	51.6	-53.8	-187.5	70.2	-82.6	-198.0	-	-26.4	-212	-497.5	-153.5
40.00	40.95	1208	250	1141	592	95.3	-89.9	-194.4	68.3	-65.4	-265.5	102.1	-125.3	-277.1	-	-27.7	-299	-757.2	-194.9
50.00	41.68	1207	250	1141	592	128.6	-119.4	-242.1	83.1	-79.9	-343.7	131.2	-166.5	-350.4	-	-25.6	-373.9	-950.5	-225.3
55.00	42.06	1207	250	1141	592	149.0	-137.0	-264.7	90.6	-87.3	-385.6	145.8	-189.0	-385.7	-	-21.7	-410	-1025.3	-247.6
60.00	42.43	1207	250	1140	592	172.4	-154.4	-283.1	96.7	-93.2	-422.2	158.1	-210.9	-414.6	-	-14.3	-443.6	-1091.7	-263.2
65.00	42.79	1207	249	1140	593	195.2	-168	-298.3	102.2	-100.3	-450.9	169.7	-236	-436.5	-	-1.7	-479.9	-1141.6	-275.9
70.00	43.18	1207	259	1140	593	217.9	-179.6	-315.9	108.0	-111.6	-478.6	179.6	-263.8	-457.5	-	14.3	-513.3	-1176.9	-286.5
75.00	43.58	1207	249	1140	595	252.0	-195.4	-341.2	111.2	-119.0	-502.7	184.6	-304.2	-474.8	-	39.8	-544.5	-1166.9	-292.6
80.00	43.98	1206	249	1139	595	308.7	-251.9	-396.1	110.5	-121.1	-514.8	179.1	-362.6	-489.0	-	85.4	-564.7	-1116.2	-249.9
85.00	44.45	1205	248	1137	597	373.5	-344.9	-460.4	110.5	-137.0	-532.1	144.0	-401.1	-507.6	-	183.0	-540.0	-954.7	-269.1
<u>68.75</u>	<u>55.48</u>	<u>1203</u>	<u>233</u>	<u>1117</u>	<u>599</u>	421.6	-532.1	-654.1	112.1	-142.3	-652.1	132.1	-521.3	-589.2	-	297.2	-622.3	-	-293.5

Tab.7 G3A4E3-E

P /kN	U_L /mm	U_1 /mm	U_2 /mm	U_3 /mm	U_4 /mm	A1			A2			A3			A4			B1	B2
						0 °	45 °	90 °	0 °	45 °	90 °	0 °	45 °	90 °	0 °	45 °	90 °	0 °	0 °
0	36.73	1218	369	1531	466	0.1	-0.3	0.0	-0.3	-1.2	-0.1	1.4	0.1	-0.3	-12.9	0.7	0.7	-0.3	-0.2
20.00	38.36	1219	370	1532	467	42.3	6.6	71.1	35.4	-38.2	-106.9	-9.4	3.3	38.1	-2.1	-54.2	-160.8	-40.5	-32.4
30.00	39.10	1219	370	1532	467	69.5	14.0	118.3	56.4	-56.3	-196.5	-19.2	-5.0	40.0	-8.8	-100.2	-304.9	-46.2	-154.1
40.00	39.87	1219	371	1533	467	106.2	30.1	176.6	72.1	-67.5	-259.4	-22.6	-22.1	30.5	-12.8	-148.5	-436.8	-42.3	-194.9
50.00	40.66	1219	373	1533	467	134.3	48.8	237.8	94.2	-78.8	-352.6	-31.2	-43.1	20.3	-23.2	-184.3	-531	-37.4	-235.2
55.00	41.43	1228	373	1533	468	156.7	48.5	326.4	103.6	-86.2	-382.4	-49.8	-53.5	58.0	-34.5	-201.1	-570.6	-53.8	-257.6
60.00	42.09	1234	373	1535	468	186.2	43.7	359.7	106.2	-102.2	-442.1	-53.8	-67.2	54.8	-49.7	-218.9	-604.2	-64.1	-293.1
<u>43.56</u>	<u>59.84</u>	<u>1251</u>	<u>395</u>	<u>1542</u>	<u>471</u>	207.9	49.2	392.4	121.2	-108.3	-490.9	-57.3	-82.7	56.2	-57.7	-236.4	-634.4	-76.3	-322.9