Tab.1 G1A1E1-E

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| P  /KN | *UL*  /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 | |
| 46.72 | 45.25 | 647 | 1104 | 258 | 1124 | -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 | *UL*  /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 | |
| 52.75 | 49.59 | 290 | 1152 | 697 | 1120 | -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 | *UL*  /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 | *UL*  /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 | *UL*  /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 | |
| 28.58 | 47.65 | 1133 | 295 | 1148 | 708 | 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 | *UL*  /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 | |
| 68.75 | 55.48 | 1203 | 233 | 1117 | 599 | 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 | *UL*  /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 |
| 43.56 | 59.84 | 1251 | 395 | 1542 | 471 | 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 |