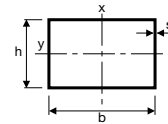
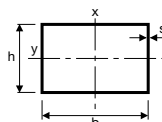


DIMENSIONAL TABLE



| Size b x h mm | W.T. s mm | Linear mass Kg/m | Cross- sectional area A cm ² | Second moment of area I_x cm ⁴ | Second moment of area I_y cm ⁴ | Radius of gyration i_x cm | Radius of gyration i_y cm | Elastic section modulus W_x cm ³ | Elastic section modulus W_y cm ³ | Torsional inertia constant J cm ⁴ | Torsional modulus constant C cm ³ |
|----------------------------|------------------------|------------------------|--|--|--|---|---|--|--|---|---|
| 120 x 60 | 3,0 | 8,01 | 10,21 | 189,12 | 64,40 | 4,30 | 2,51 | 31,52 | 21,47 | 156,34 | 37,14 |
| | 4,0 | 10,48 | 13,35 | 240,74 | 81,25 | 4,25 | 2,47 | 40,12 | 27,08 | 201,12 | 47,05 |
| | 5,0 | 12,84 | 16,36 | 286,97 | 95,99 | 4,19 | 2,42 | 47,83 | 32,00 | 242,23 | 55,85 |
| | 6,0 | 15,10 | 19,20 | 327,98 | 109,00 | 4,13 | 2,38 | 54,70 | 36,30 | 280,00 | 63,60 |
| | 6,3 | 15,49 | 19,73 | 326,97 | 109,16 | 4,07 | 2,35 | 54,49 | 36,39 | 289,35 | 65,14 |
| | 7,1 | 17,12 | 21,81 | 351,67 | 116,80 | 4,02 | 2,31 | 58,61 | 38,93 | 314,57 | 70,13 |
| | 8,0 | 18,87 | 24,04 | 375,31 | 123,98 | 3,95 | 2,27 | 62,55 | 41,33 | 339,55 | 74,96 |
| | 10,0 | 22,42 | 28,56 | 412,76 | 128,88 | 3,80 | 2,12 | 68,79 | 42,96 | 381,85 | 82,82 |
| 120 x 80 | 3,0 | 8,96 | 11,41 | 230,20 | 123,43 | 4,49 | 3,29 | 38,37 | 30,86 | 255,47 | 50,80 |
| | 4,0 | 11,73 | 14,95 | 294,59 | 157,29 | 4,44 | 3,24 | 49,10 | 39,32 | 331,24 | 64,93 |
| | 5,0 | 14,41 | 18,36 | 353,14 | 187,78 | 4,39 | 3,20 | 58,86 | 46,94 | 402,27 | 77,77 |
| | 6,0 | 17,00 | 21,60 | 406,00 | 215,00 | 4,33 | 3,15 | 67,70 | 53,80 | 469,00 | 89,40 |
| | 6,3 | 17,47 | 22,25 | 408,50 | 217,11 | 4,28 | 3,12 | 68,08 | 54,28 | 487,82 | 92,07 |
| | 7,1 | 19,35 | 24,65 | 442,29 | 234,51 | 4,24 | 3,08 | 73,71 | 58,63 | 535,14 | 100,01 |
| | 8,0 | 21,39 | 27,24 | 475,83 | 251,66 | 4,18 | 3,04 | 79,31 | 62,92 | 584,04 | 108,01 |
| | 10,0 | 25,60 | 32,60 | 534,00 | 281,00 | 4,05 | 2,94 | 89,00 | 70,30 | 676,00 | 122,00 |
| 120 x 100 | 4,0 | 12,99 | 16,55 | 348,43 | 263,24 | 4,59 | 3,99 | 58,07 | 52,65 | 477,84 | 82,83 |
| | 5,0 | 15,98 | 20,36 | 419,31 | 316,27 | 4,54 | 3,94 | 69,88 | 63,25 | 582,86 | 99,75 |
| | 6,0 | 18,90 | 24,00 | 484,00 | 365,00 | 4,49 | 3,89 | 80,70 | 72,90 | 682,00 | 115,00 |
| | 6,3 | 19,44 | 24,77 | 490,02 | 369,56 | 4,45 | 3,86 | 81,67 | 73,91 | 712,27 | 119,11 |
| | 7,1 | 21,58 | 27,49 | 532,90 | 401,52 | 4,40 | 3,82 | 88,82 | 80,30 | 785,03 | 130,02 |
| | 8,0 | 23,90 | 30,44 | 576,35 | 433,83 | 4,35 | 3,78 | 96,06 | 86,77 | 861,65 | 141,25 |
| | 10,0 | 28,70 | 36,60 | 655,00 | 492,00 | 4,23 | 3,67 | 109,00 | 98,50 | 1011,00 | 162,00 |
| | 12,5 | 33,00 | 42,00 | 672,00 | 507,00 | 4,00 | 3,47 | 112,00 | 101,00 | 1114,00 | 176,00 |
| 140 x 60 | 4,0 | 11,70 | 14,90 | 356,00 | 93,80 | 4,88 | 2,51 | 50,80 | 31,30 | 247,00 | 55,40 |
| | 5,0 | 14,40 | 18,40 | 426,00 | 111,00 | 4,82 | 2,46 | 60,80 | 37,10 | 298,00 | 65,90 |
| | 6,0 | 17,00 | 21,60 | 489,00 | 126,00 | 4,76 | 2,42 | 69,90 | 42,10 | 344,00 | 75,30 |
| | 6,3 | 17,50 | 22,20 | 490,00 | 127,00 | 4,69 | 2,39 | 70,00 | 42,50 | 357,00 | 77,30 |
| | 7,1 | 19,35 | 24,65 | 529,54 | 134,48 | 4,63 | 2,34 | 75,65 | 44,83 | 388,77 | 83,42 |
| | 8,0 | 21,40 | 27,20 | 569,00 | 146,00 | 4,57 | 2,31 | 81,20 | 48,60 | 421,00 | 89,50 |
| | 10,0 | 25,56 | 32,56 | 634,24 | 154,21 | 4,41 | 2,18 | 90,61 | 51,40 | 476,41 | 99,64 |
| | 12,5 | 29,07 | 37,03 | 609,83 | 141,82 | 4,06 | 1,96 | 87,12 | 47,27 | 478,54 | 100,29 |
| 140 x 70 | 4,0 | 12,40 | 15,70 | 393,00 | 133,00 | 4,99 | 2,91 | 56,10 | 38,10 | 326,00 | 65,90 |
| | 5,0 | 15,20 | 19,40 | 471,00 | 159,00 | 4,94 | 2,86 | 67,40 | 45,30 | 395,00 | 78,90 |
| | 6,0 | 17,90 | 22,80 | 543,00 | 181,00 | 4,88 | 2,82 | 77,60 | 51,80 | 459,00 | 90,50 |
| | 6,3 | 18,50 | 23,50 | 546,00 | 184,00 | 4,82 | 2,79 | 78,10 | 52,40 | 477,00 | 93,20 |
| | 7,1 | 20,46 | 26,07 | 592,30 | 195,31 | 4,77 | 2,74 | 84,61 | 55,80 | 522,69 | 101,12 |
| | 8,0 | 22,60 | 28,80 | 638,00 | 212,00 | 4,70 | 2,71 | 91,20 | 60,70 | 569,00 | 109,00 |
| | 10,0 | 27,13 | 34,56 | 718,91 | 229,41 | 4,56 | 2,58 | 102,70 | 65,55 | 654,95 | 123,23 |
| | 12,5 | 31,03 | 39,53 | 711,76 | 218,97 | 4,24 | 2,35 | 101,68 | 62,56 | 686,81 | 128,25 |

DIMENSIONAL TABLE



| Size b x h mm | W.T. s mm | Linear mass Kg/m | Cross- sectional area A cm ² | Second moment of area I_x cm ⁴ | Second moment of area I_y cm ⁴ | Radius of gyration i_x cm | Radius of gyration i_y cm | Elastic section modulus W_x cm ³ | Elastic section modulus W_y cm ³ | Torsional inertia constant J cm ⁴ | Torsional modulus constant C cm ³ |
|----------------------------|------------------------|------------------------|--|--|--|---|---|--|--|---|---|
| 140 x 80 | 4,0 | 12,99 | 16,55 | 429,60 | 180,42 | 5,10 | 3,30 | 61,37 | 45,10 | 411,60 | 76,48 |
| | 5,0 | 15,98 | 20,36 | 517,06 | 215,94 | 5,04 | 3,26 | 73,87 | 53,99 | 500,51 | 91,83 |
| | 6,0 | 18,90 | 24,00 | 597,00 | 248,00 | 4,98 | 3,21 | 85,30 | 62,00 | 584,00 | 106,00 |
| | 6,3 | 19,44 | 24,77 | 602,72 | 251,42 | 4,93 | 3,19 | 86,10 | 62,85 | 608,51 | 109,19 |
| | 7,1 | 21,58 | 27,49 | 655,14 | 272,36 | 4,88 | 3,15 | 93,59 | 68,09 | 668,68 | 118,88 |
| | 8,0 | 23,90 | 30,44 | 708,09 | 293,31 | 4,82 | 3,10 | 101,16 | 73,33 | 731,35 | 128,77 |
| | 10,0 | 28,70 | 36,60 | 804,00 | 330,00 | 4,69 | 3,01 | 115,00 | 82,60 | 851,00 | 147,00 |
| | 12,5 | 33,00 | 42,00 | 814,00 | 338,00 | 4,40 | 2,84 | 116,00 | 84,50 | 920,00 | 157,00 |
| 150 x 50 | 4,0 | 11,73 | 14,95 | 381,39 | 66,16 | 5,05 | 2,10 | 50,85 | 26,47 | 192,14 | 48,30 |
| | 5,0 | 14,41 | 18,36 | 456,29 | 77,87 | 4,99 | 2,06 | 60,84 | 31,15 | 230,05 | 57,11 |
| | 6,0 | 17,00 | 21,60 | 523,00 | 87,90 | 4,92 | 2,02 | 69,80 | 35,20 | 264,00 | 64,80 |
| | 6,3 | 17,47 | 22,25 | 522,83 | 88,47 | 4,85 | 1,99 | 69,71 | 35,39 | 272,24 | 66,26 |
| | 7,1 | 19,35 | 24,65 | 564,18 | 94,44 | 4,78 | 1,96 | 75,22 | 37,78 | 294,42 | 71,09 |
| | 8,0 | 21,39 | 27,24 | 604,42 | 100,00 | 4,71 | 1,92 | 80,59 | 40,00 | 315,88 | 75,68 |
| | 10,0 | 25,56 | 32,56 | 670,74 | 103,45 | 4,54 | 1,78 | 89,43 | 41,38 | 350,23 | 82,83 |
| | 12,5 | 29,07 | 37,03 | 632,52 | 92,30 | 4,13 | 1,58 | 84,34 | 36,92 | 333,74 | 80,15 |
| 150 x 100 | 4,0 | 14,87 | 18,95 | 594,60 | 318,57 | 5,60 | 4,10 | 79,28 | 63,71 | 661,63 | 104,94 |
| | 5,0 | 18,33 | 23,36 | 719,20 | 384,02 | 5,55 | 4,05 | 95,89 | 76,80 | 808,68 | 126,81 |
| | 6,0 | 21,70 | 27,60 | 835,00 | 444,00 | 5,50 | 4,01 | 111,00 | 88,80 | 948,00 | 147,00 |
| | 6,3 | 22,41 | 28,55 | 848,27 | 452,66 | 5,45 | 3,98 | 113,10 | 90,53 | 991,64 | 152,27 |
| | 7,1 | 24,93 | 31,75 | 926,94 | 493,62 | 5,40 | 3,94 | 123,59 | 98,72 | 1095,50 | 166,76 |
| | 8,0 | 27,67 | 35,24 | 1008,13 | 535,65 | 5,35 | 3,90 | 134,42 | 107,13 | 1205,89 | 181,85 |
| | 10,0 | 33,40 | 42,60 | 1162,00 | 614,00 | 5,22 | 3,80 | 155,00 | 123,00 | 1426,00 | 211,00 |
| | 12,5 | 38,90 | 49,50 | 1225,00 | 651,00 | 4,97 | 3,63 | 163,00 | 130,00 | 1607,00 | 233,00 |
| 160 x 80 | 4,0 | 14,25 | 18,15 | 597,71 | 203,54 | 5,74 | 3,35 | 74,71 | 50,89 | 494,10 | 88,03 |
| | 5,0 | 17,55 | 22,36 | 721,69 | 244,11 | 5,68 | 3,30 | 90,21 | 61,03 | 601,34 | 105,90 |
| | 6,0 | 20,70 | 26,40 | 836,00 | 281,00 | 5,62 | 3,26 | 105,00 | 70,20 | 702,00 | 122,00 |
| | 6,3 | 21,42 | 27,29 | 846,48 | 285,72 | 5,57 | 3,24 | 105,81 | 71,43 | 732,25 | 126,31 |
| | 7,1 | 23,81 | 30,33 | 922,98 | 310,21 | 5,52 | 3,20 | 115,37 | 77,55 | 805,56 | 137,77 |
| | 8,0 | 26,41 | 33,64 | 1001,22 | 334,95 | 5,46 | 3,16 | 125,15 | 83,74 | 882,33 | 149,54 |
| | 10,0 | 31,80 | 40,60 | 1146,00 | 380,00 | 5,32 | 3,06 | 143,00 | 95,00 | 1031,00 | 172,00 |
| | 12,5 | 36,90 | 47,00 | 1185,00 | 396,00 | 5,02 | 2,90 | 148,00 | 98,90 | 1130,00 | 185,00 |
| 160 x 90 | 4,0 | 14,90 | 18,90 | 646,00 | 266,00 | 5,84 | 3,74 | 80,80 | 59,00 | 606,00 | 100,00 |
| | 5,0 | 18,33 | 23,36 | 781,77 | 319,52 | 5,79 | 3,70 | 97,72 | 71,00 | 739,70 | 120,86 |
| | 6,0 | 21,70 | 27,60 | 907,00 | 369,00 | 5,73 | 3,65 | 113,00 | 82,00 | 866,00 | 140,00 |
| | 6,3 | 22,41 | 28,55 | 920,94 | 375,90 | 5,68 | 3,63 | 115,12 | 83,53 | 904,70 | 144,81 |
| | 7,1 | 24,93 | 31,75 | 1006,04 | 409,33 | 5,63 | 3,59 | 125,75 | 90,96 | 997,94 | 158,38 |
| | 8,0 | 27,67 | 35,24 | 1093,73 | 443,46 | 5,57 | 3,55 | 136,72 | 98,55 | 1096,54 | 172,44 |
| | 10,0 | 33,40 | 42,60 | 1259,00 | 507,00 | 5,44 | 3,45 | 157,00 | 113,00 | 1291,00 | 199,00 |
| | 12,5 | 38,90 | 49,50 | 1321,00 | 535,00 | 5,16 | 3,29 | 165,00 | 119,00 | 1442,00 | 219,00 |