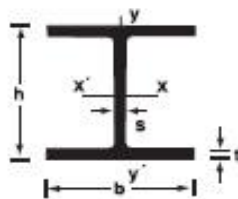


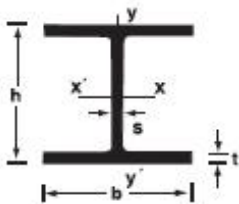
ΔΟΚΟΙ - BEAMS HEM

| | ΔΙΑΣΤΑΣΕΙΣ DIMENSIONS | | | | ΔΙΑΤΟΜΗ SECTION | ΡΟΠΗ ΑΝΤΙΣΤΑΣΕΩΣ MOMENT OF RESISTANCE | |
|------|--------------------------|-----|------|------|--------------------|--|----------------|
| | h | b | s | t | F | W _x | W _y |
| 100 | 120 | 106 | 12 | 20 | 53,2 | 190 | 75,3 |
| 120 | 140 | 126 | 12,5 | 21 | 66,4 | 288 | 112 |
| 140 | 160 | 146 | 13 | 22 | 80,6 | 411 | 157 |
| 160 | 180 | 166 | 14 | 23 | 97,1 | 566 | 212 |
| 180 | 200 | 186 | 14,5 | 24 | 113 | 748 | 277 |
| 200 | 220 | 206 | 15 | 25 | 131 | 967 | 354 |
| 220 | 240 | 226 | 15,5 | 26 | 149 | 1.220 | 444 |
| 240 | 270 | 248 | 18 | 32 | 200 | 1.800 | 657 |
| 260 | 290 | 268 | 18 | 32,5 | 220 | 2.160 | 780 |
| 280 | 310 | 288 | 18,5 | 33 | 240 | 2.550 | 914 |
| 300 | 340 | 310 | 21 | 39 | 303 | 3.480 | 1.250 |
| 320 | 359 | 309 | 21 | 40 | 312 | 3.800 | 1.280 |
| 340 | 377 | 309 | 21 | 40 | 316 | 4.050 | 1.280 |
| 360 | 395 | 308 | 21 | 40 | 319 | 4.300 | 1.270 |
| 400 | 432 | 307 | 21 | 40 | 326 | 4.820 | 1.260 |
| 450 | 478 | 307 | 21 | 40 | 335 | 5.500 | 1.260 |
| 500 | 524 | 306 | 21 | 40 | 344 | 6.180 | 1.250 |
| 550 | 572 | 306 | 21 | 40 | 354 | 6.920 | 1.250 |
| 600 | 620 | 305 | 21 | 40 | 364 | 7.660 | 1.240 |
| 650 | 668 | 305 | 21 | 40 | 374 | 8.430 | 1.240 |
| 700 | 716 | 304 | 21 | 40 | 383 | 9.200 | 1.240 |
| 800 | 814 | 303 | 21 | 40 | 404 | 10.870 | 1.230 |
| 900 | 910 | 302 | 21 | 40 | 424 | 12.540 | 1.220 |
| 1000 | 1008 | 302 | 21 | 40 | 444 | 14.330 | 1.220 |



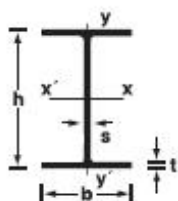
ΔΟΚΟΙ HEA - IPBL
BEAMS HEA - IPBL

| | ΔΙΑΣΤΑΣΕΙΣ | | | | ΔΙΑΤΟΜΗ | ΡΟΠΗ ΑΝΤΙΣΤΑΣΕΩΣ | |
|------|------------|-----|------|------|-----------------|----------------------|----------------|
| | DIMENSIONS | | | | SECTION | MOMENT OF RESISTANCE | |
| | mm | | | | cm ² | cm ⁴ | |
| | h | b | s | t | F | W _x | W _y |
| 100 | 96 | 100 | 5,0 | 8,0 | 21,2 | 72,8 | 26,8 |
| 120 | 114 | 120 | 5,0 | 8,0 | 25,3 | 106,0 | 38,5 |
| 140 | 133 | 140 | 5,5 | 8,5 | 31,4 | 155,0 | 55,6 |
| 160 | 152 | 160 | 6,0 | 9,0 | 38,8 | 220,0 | 76,9 |
| 180 | 171 | 180 | 6,0 | 9,5 | 45,3 | 294,0 | 103,9 |
| 200 | 190 | 200 | 6,5 | 10,0 | 53,8 | 389,0 | 134,0 |
| 220 | 210 | 220 | 7,0 | 11,0 | 64,3 | 515,0 | 178,0 |
| 240 | 230 | 240 | 7,5 | 12,0 | 76,8 | 675,0 | 231,0 |
| 260 | 250 | 260 | 7,5 | 12,5 | 86,8 | 836,0 | 282,0 |
| 280 | 270 | 280 | 8,0 | 13,0 | 97,3 | 1010,0 | 340,0 |
| 300 | 290 | 300 | 8,5 | 14,0 | 112,0 | 1260,0 | 421,0 |
| 320 | 310 | 300 | 9,0 | 15,5 | 124,0 | 1480,0 | 466,0 |
| 340 | 330 | 300 | 9,5 | 16,5 | 133,0 | 1680,0 | 496,0 |
| 360 | 350 | 300 | 10,0 | 17,5 | 143,0 | 1890,0 | 526,0 |
| 400 | 390 | 300 | 11,0 | 19,0 | 159,0 | 2310,0 | 571,0 |
| 450 | 440 | 300 | 11,5 | 21,0 | 178,0 | 2900,0 | 631,0 |
| 500 | 490 | 300 | 12,0 | 23,0 | 198,0 | 3550,0 | 691,0 |
| 550 | 540 | 300 | 12,5 | 24,0 | 212,0 | 4150,0 | 721,0 |
| 600 | 590 | 300 | 13,0 | 25,0 | 226,0 | 4790,0 | 751,0 |
| 650 | 640 | 300 | 13,5 | 26,0 | 242,0 | 5470,0 | 782,0 |
| 700 | 690 | 300 | 14,5 | 27,0 | 260,0 | 6240,0 | 812,0 |
| 800 | 790 | 300 | 15,0 | 28,0 | 286,0 | 7680,0 | 843,0 |
| 900 | 890 | 300 | 16,0 | 30,0 | 320,0 | 9480,0 | 903,0 |
| 1000 | 990 | 300 | 16,5 | 31,0 | 347,0 | 11190,0 | 934,0 |



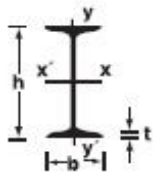
ΔΟΚΟΙ ΗΕΒ - ΙΡΒ
BEAMS ΗΕΒ - ΙΡΒ

| | ΔΙΑΣΤΑΣΕΙΣ DIMENSIONS | | | | ΔΙΑΤΟΜΗ SECTION | ΡΟΠΗ ΑΝΤΙΣΤΑΣΕΩΣ MOMENT OF RESISTANCE | |
|------|--------------------------|-----|------|------|--------------------|--|----------------|
| | mm | | | | cm ² | cm ⁴ | |
| | h | b | s | t | F | W _x | W _y |
| 100 | 100 | 100 | 6,0 | 10,0 | 26,0 | 89,9 | 33,5 |
| 120 | 120 | 120 | 6,5 | 11,0 | 34,0 | 144,0 | 52,9 |
| 140 | 140 | 140 | 7,0 | 12,0 | 43,0 | 216,0 | 78,5 |
| 160 | 160 | 160 | 8,0 | 13,0 | 54,3 | 311,0 | 111,0 |
| 180 | 180 | 180 | 8,5 | 14,0 | 65,3 | 426,0 | 151,0 |
| 200 | 200 | 200 | 9,0 | 15,0 | 78,1 | 570,0 | 200,0 |
| 220 | 220 | 220 | 9,5 | 16,0 | 91,0 | 736,0 | 258,0 |
| 240 | 240 | 240 | 10,0 | 17,0 | 106,0 | 938,0 | 327,0 |
| 260 | 260 | 260 | 10,0 | 17,5 | 118,0 | 1150,0 | 395,0 |
| 280 | 280 | 280 | 10,5 | 18,0 | 131,0 | 1380,0 | 471,0 |
| 300 | 300 | 300 | 11,0 | 19,0 | 149,0 | 1680,0 | 571,0 |
| 320 | 320 | 300 | 11,5 | 20,5 | 161,0 | 1930,0 | 616,0 |
| 340 | 340 | 300 | 12,0 | 21,5 | 171,0 | 2160,0 | 646,0 |
| 360 | 360 | 300 | 12,5 | 22,5 | 181,0 | 2400,0 | 676,0 |
| 400 | 400 | 300 | 13,5 | 24,0 | 198,0 | 2880,0 | 721,0 |
| 450 | 450 | 300 | 14,0 | 26,0 | 218,0 | 3550,0 | 781,0 |
| 500 | 500 | 300 | 14,5 | 28,0 | 239,0 | 4290,0 | 842,0 |
| 550 | 550 | 300 | 15,0 | 29,0 | 254,0 | 4970,0 | 872,0 |
| 600 | 600 | 300 | 15,5 | 30,0 | 270,0 | 5700,0 | 902,0 |
| 650 | 650 | 300 | 16,0 | 31,0 | 286,0 | 6480,0 | 932,0 |
| 700 | 700 | 300 | 17,0 | 32,0 | 306,0 | 7340,0 | 963,0 |
| 800 | 800 | 300 | 17,5 | 33,0 | 334,0 | 8980,0 | 994,0 |
| 900 | 900 | 300 | 18,5 | 35,0 | 371,0 | 10980,0 | 1050,0 |
| 1000 | 1000 | 300 | 19,0 | 36,0 | 400,0 | 12890,0 | 1090,0 |



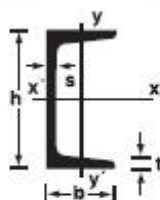
ΔΟΚΟΙ ΙΡΕ
IPE BEAMS

| | ΔΙΑΣΤΑΣΕΙΣ DIMENSIONS | | | | ΔΙΑΤΟΜΗ SECTION | ΡΟΠΗ ΑΝΤΙΣΤΑΣΕΩΣ MOMENT OF RESISTANCE | |
|-----|--------------------------|-----|------|------|--------------------|--|-----------------|
| | h | b | s | t | cm ² | cm ⁴ | cm ⁴ |
| 80 | 80 | 46 | 3,8 | 5,2 | 7,64 | 20,0 | 3,69 |
| 100 | 100 | 55 | 4,1 | 5,7 | 10,30 | 34,2 | 5,79 |
| 120 | 120 | 64 | 4,4 | 6,3 | 13,20 | 53,0 | 8,65 |
| 140 | 140 | 73 | 4,7 | 6,9 | 16,40 | 77,3 | 12,30 |
| 160 | 160 | 82 | 5,0 | 7,4 | 20,10 | 109,0 | 16,70 |
| 180 | 180 | 91 | 5,3 | 8,0 | 23,90 | 146,0 | 22,20 |
| 200 | 200 | 100 | 5,6 | 8,5 | 28,50 | 194,0 | 28,50 |
| 220 | 220 | 110 | 5,9 | 9,2 | 33,40 | 252,0 | 37,30 |
| 240 | 240 | 120 | 6,2 | 9,8 | 39,10 | 324,0 | 47,30 |
| 270 | 270 | 135 | 6,6 | 10,2 | 45,90 | 429,0 | 62,20 |
| 300 | 300 | 150 | 7,1 | 10,7 | 53,80 | 557,0 | 80,50 |
| 330 | 330 | 160 | 7,5 | 11,5 | 62,60 | 713,0 | 98,50 |
| 360 | 360 | 170 | 8,0 | 12,7 | 72,70 | 904,0 | 123,00 |
| 400 | 400 | 180 | 8,6 | 13,5 | 84,50 | 1160,0 | 146,00 |
| 450 | 450 | 190 | 9,4 | 14,6 | 98,80 | 1500,0 | 176,00 |
| 500 | 500 | 200 | 10,2 | 16,0 | 116,00 | 1930,0 | 214,00 |
| 550 | 550 | 210 | 11,1 | 17,2 | 134,00 | 2440,0 | 254,00 |
| 600 | 600 | 220 | 12,0 | 19,0 | 156,00 | 3070,0 | 308,00 |



ΔΟΚΟΙ IPN
IPN BEAMS

| | ΔΙΑΣΤΑΣΕΙΣ DIMENSIONS | | | | ΔΙΑΤΟΜΗ SECTION | ΡΟΠΗ ΑΝΤΙΣΤΑΣΕΩΣ MOMENT OF RESISTANCE | |
|-----|--------------------------|-----|------|------|--------------------|--|----------------|
| | mm | | | | cm ² | cm ² | |
| | h | b | s | t | F | W _x | W _y |
| 80 | 80 | 42 | 3,9 | 5,9 | 7,57 | 19,5 | 3,00 |
| 100 | 100 | 50 | 4,5 | 6,8 | 10,60 | 34,2 | 4,88 |
| 120 | 120 | 58 | 5,1 | 7,7 | 14,20 | 54,7 | 7,41 |
| 140 | 140 | 66 | 5,7 | 8,6 | 18,20 | 81,9 | 10,70 |
| 160 | 160 | 74 | 6,3 | 9,5 | 22,80 | 117,0 | 14,80 |
| 180 | 180 | 82 | 6,9 | 10,4 | 27,90 | 161,0 | 19,80 |
| 200 | 200 | 90 | 7,5 | 11,3 | 33,40 | 214,0 | 26,00 |
| 220 | 220 | 98 | 8,1 | 12,2 | 39,50 | 278,0 | 33,10 |
| 240 | 240 | 106 | 8,7 | 13,1 | 46,10 | 354,0 | 41,70 |
| 260 | 260 | 113 | 9,4 | 14,1 | 53,30 | 442,0 | 51,00 |
| 280 | 280 | 119 | 10,1 | 15,2 | 61,00 | 542,0 | 61,20 |
| 300 | 300 | 125 | 10,8 | 16,2 | 69,00 | 653,0 | 72,20 |
| 320 | 320 | 131 | 11,5 | 17,3 | 77,70 | 782,0 | 84,70 |
| 340 | 340 | 137 | 12,2 | 18,3 | 86,70 | 923,0 | 98,40 |
| 360 | 360 | 143 | 13,0 | 19,5 | 97,00 | 1090,0 | 114,00 |
| 400 | 400 | 155 | 14,4 | 21,6 | 118,00 | 1460,0 | 149,00 |
| 450 | 450 | 170 | 16,2 | 24,3 | 147,00 | 2040,0 | 203,00 |
| 500 | 500 | 185 | 18,0 | 27,0 | 179,00 | 2750,0 | 268,00 |
| 550 | 550 | 200 | 19,0 | 30,0 | 212,00 | 3610,0 | 349,00 |



ΔΟΚΟΙ UPN
U-CHANNELS

| | ΔΙΑΣΤΑΣΕΙΣ | | | | ΔΙΑΤΟΜΗ | ΡΟΠΗ ΑΝΤΙΣΤΑΣΕΩΣ | |
|---------|------------|-----|------|------|-----------------|------------------|----------------------|
| | DIMENSIONS | | | | | SECTION | MOMENT OF RESISTANCE |
| | h | b | s | t | cm ² | W _x | W _y |
| | mm | | | | | cm ³ | |
| 30 x 15 | 30 | 15 | 4,0 | 4,5 | 2,21 | 1,69 | 0,39 |
| 40 x 20 | 40 | 20 | 5,0 | 5,5 | 3,66 | 3,79 | 0,86 |
| 40 x 35 | 40 | 35 | 5,0 | 7,0 | 6,21 | 7,05 | 3,08 |
| 50 x 25 | 50 | 25 | 5,0 | 6,0 | 4,92 | 6,73 | 1,48 |
| 50 x 38 | 50 | 38 | 5,0 | 7,0 | 7,12 | 10,60 | 3,75 |
| 60 x 30 | 60 | 30 | 6,0 | 6,0 | 6,46 | 10,50 | 2,16 |
| 65 x 42 | 65 | 42 | 5,5 | 7,5 | 9,03 | 17,70 | 5,07 |
| 80 | 80 | 45 | 6,0 | 8,0 | 11,00 | 26,50 | 6,36 |
| 100 | 100 | 50 | 6,0 | 8,5 | 13,50 | 41,20 | 8,49 |
| 120 | 120 | 55 | 7,0 | 9,0 | 17,00 | 60,70 | 11,10 |
| 140 | 140 | 60 | 7,0 | 10,0 | 20,40 | 86,40 | 14,80 |
| 160 | 160 | 65 | 7,5 | 10,5 | 24,00 | 116,00 | 18,30 |
| 180 | 180 | 70 | 8,0 | 11,0 | 28,00 | 150,00 | 22,40 |
| 200 | 200 | 75 | 8,5 | 11,5 | 32,20 | 191,00 | 27,00 |
| 220 | 220 | 80 | 9,0 | 12,5 | 37,40 | 245,00 | 33,60 |
| 240 | 240 | 85 | 9,5 | 13,0 | 42,30 | 300,00 | 39,60 |
| 260 | 260 | 90 | 10,0 | 14,0 | 48,30 | 371,00 | 47,70 |
| 280 | 280 | 95 | 10,0 | 15,0 | 53,30 | 448,00 | 57,20 |
| 300 | 300 | 100 | 10,0 | 16,0 | 58,80 | 535,00 | 67,80 |
| 320 | 320 | 100 | 14,0 | 17,5 | 75,80 | 679,00 | 80,60 |
| 350 | 350 | 100 | 14,0 | 16,0 | 77,30 | 734,00 | 75,00 |
| 400 | 400 | 110 | 14,0 | 18,0 | 91,50 | 1020,00 | 102,00 |