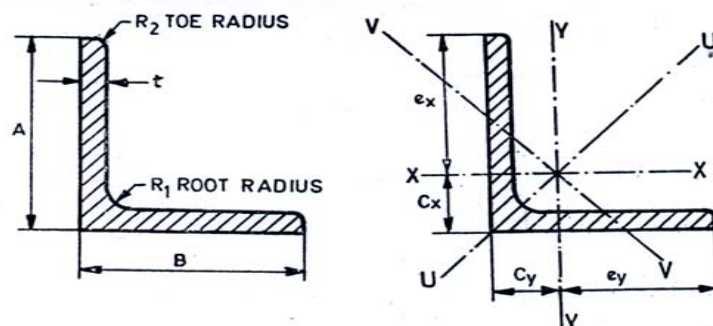


Nominal Dimensions, Mass and Sectional Properties of Hot Rolled Equal Leg Angles



| Designation | Mass M Kg/m | Sectional area, a cm ² | Dimensions | | | | Sectional Properties | | | | | | | | | | | | |
|----------------|-------------------|---|--------------|---------|----------------------|----------------------|----------------------|----------------------|-----------------------------------|-----------------------------------|---|---|----------------------|----------------------|----------------------------|----------------------------|-----------------------------------|-----------------------------------|--|
| | | | AxB mmxmm | t mm | R ₁ mm | R ₂ mm | C _x cm | C _y cm | I _x cm ⁴ | I _y cm ⁴ | I _u (Max) cm ⁴ | I _v (Min) cm ⁴ | r _x cm | r _y cm | r _u (Max) cm | r _v (Min) cm | Z _x cm ³ | Z _y cm ³ | |
| ISA 35x35x5 | 2.6 | 3.27 | 35 x 35 | 5.0 | | | 1.04 | 1.04 | 3.5 | 3.5 | 5.6 | 1.5 | 1.04 | 1.04 | 1.31 | 0.67 | 1.4 | 1.4 | |
| ISA 35x35x6 | 3.0 | 3.86 | 35 x 35 | 6.0 | | | 1.08 | 1.08 | 4.1 | 4.1 | 6.5 | 1.7 | 1.03 | 1.03 | 1.29 | 0.67 | 1.7 | 1.7 | |
| ISA 50x50x5 | 3.8 | 4.79 | 50 x 50 | 5.0 | | | 1.41 | 1.41 | 11.0 | 11.0 | 17.6 | 4.5 | 1.52 | 1.52 | 1.92 | 0.97 | 3.1 | 3.1 | |
| ISA 50x50x6 | 4.5 | 5.68 | 50 x 50 | 6.0 | | | 1.45 | 1.45 | 12.9 | 12.9 | 20.6 | 5.3 | 1.51 | 1.51 | 1.90 | 0.96 | 3.6 | 3.6 | |
| ISA 60x60x5 | 4.5 | 5.75 | 60 x 60 | 5.0 | 6.5 | | 1.65 | 1.65 | 19.2 | 19.2 | 30.6 | 7.7 | 1.82 | 1.82 | 2.31 | 1.16 | 4.4 | 4.4 | |
| ISA 60x60x6 | 5.4 | 6.84 | 60 x 60 | 6.0 | | | 1.69 | 1.69 | 22.6 | 22.6 | 36.0 | 9.1 | 1.82 | 1.82 | 2.29 | 1.15 | 5.2 | 5.2 | |
| ISA 65x65x6 | 5.8 | 7.44 | 65 x 65 | 6.0 | | | 1.81 | 1.81 | 29.1 | 29.1 | 46.5 | 11.7 | 1.98 | 1.98 | 2.50 | 1.26 | 6.2 | 6.2 | |
| ISA 75x75x6 | 6.8 | 8.66 | 75 x 75 | 6.0 | | | 2.06 | 2.06 | 45.7 | 45.7 | 73.1 | 18.4 | 2.30 | 2.30 | 2.91 | 1.46 | 8.4 | 8.4 | |
| ISA 75x75x8 | 8.9 | 11.40 | 75 x 75 | 8.0 | | | 2.14 | 2.14 | 59.0 | 59.0 | 94.1 | 24.0 | 2.28 | 2.28 | 2.88 | 1.45 | 11.0 | 11.0 | |
| ISA 90x90x6 | 8.2 | 10.50 | 90 x 90 | 6.0 | 8.5 | | 2.42 | 2.42 | 80.1 | 80.1 | 128.0 | 32.0 | 2.77 | 2.77 | 3.50 | 1.75 | 12.2 | 12.2 | |
| ISA 90x90x8 | 10.8 | 13.80 | 90 x 90 | 8.0 | | | 2.51 | 2.51 | 104.0 | 104.0 | 166.0 | 42.0 | 2.75 | 2.75 | 3.47 | 1.75 | 16.0 | 16.0 | |
| ISA 100x100x8 | 12.1 | 15.40 | 100 x 100 | 8.0 | | | 2.76 | 2.76 | 145.0 | 145.0 | 232.0 | 58.4 | 3.07 | 3.07 | 3.88 | 1.95 | 20.0 | 20.0 | |
| ISA 100x100x10 | 14.9 | 19.00 | 100 x 100 | 10.0 | | | 2.84 | 2.84 | 177.0 | 177.0 | 282.0 | 71.8 | 3.05 | 3.05 | 3.85 | 1.94 | 24.7 | 24.7 | |
| ISA 110x110x8 | 13.4 | 17.10 | 110 x 110 | 8.0 | 10.0 | 4.8 | 3.00 | 3.00 | 197.0 | 197.0 | 313.0 | 81.0 | 3.40 | 3.40 | 4.28 | 2.18 | 24.6 | 24.6 | |
| ISA 110x110x10 | 16.6 | 21.10 | 110 x 110 | 10.0 | | | 3.09 | 3.09 | 240.0 | 240.0 | 381.0 | 98.9 | 3.37 | 3.37 | 4.25 | 2.16 | 30.4 | 30.4 | |