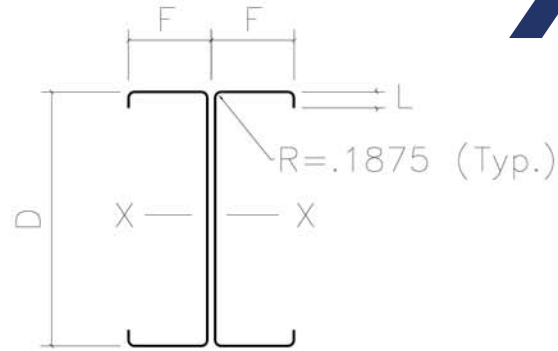


“Double C” Shape Effective Section Properties



| Section Size (D×F) | Ga. | L in | Weight lb/ft | Area in ² | Properties of Fully Braced Section | | | | | |
|--------------------|-----|------|--------------|----------------------|------------------------------------|----------------|----------------|----------------|----------------|----------------|
| | | | | | I _x | S _c | R _x | I _y | S _y | R _y |
| 4×2.5 | 16 | .83 | 3.81 | 1.12 | 2.76 | 1.31 | 1.63 | 2.08 | 0.83 | 1.36 |
| 4×2.5 | 14 | .88 | 5.04 | 1.48 | 3.79 | 1.85 | 1.61 | 2.78 | 1.11 | 1.37 |
| 6×2.5 | 16 | .83 | 4.57 | 1.34 | 7.08 | 2.25 | 2.37 | 2.08 | 0.83 | 1.24 |
| 6×2.5 | 14 | .88 | 6.05 | 1.78 | 9.69 | 3.16 | 2.36 | 2.78 | 1.11 | 1.25 |
| 8×2.5 | 16 | .83 | 5.34 | 1.57 | 13.72 | 3.24 | 3.08 | 2.08 | 0.83 | 1.15 |
| 8×2.5 | 14 | .88 | 7.05 | 2.07 | 19.06 | 4.67 | 3.07 | 2.78 | 1.11 | 1.16 |
| 8×2.5 | 12 | .96 | 9.72 | 2.86 | 26.87 | 6.72 | 3.05 | 3.91 | 1.56 | 1.17 |
| 8×3.5 | 16 | .83 | 6.10 | 1.79 | 15.08 | 3.31 | 3.20 | 5.00 | 1.43 | 1.67 |
| 8×3.5 | 14 | .88 | 8.06 | 2.37 | 21.44 | 4.96 | 3.19 | 6.68 | 1.91 | 1.68 |
| 8×3.5 | 12 | .96 | 11.11 | 3.26 | 30.33 | 7.15 | 3.17 | 9.37 | 2.68 | 1.69 |
| 10×2.5 | 16 | .83 | 6.10 | 1.79 | 22.15 | 4.02 | 3.76 | 2.08 | 0.83 | 1.08 |
| 10×2.5 | 14 | .88 | 8.06 | 2.37 | 32.50 | 6.38 | 3.75 | 2.78 | 1.11 | 1.08 |
| 10×2.5 | 12 | .96 | 11.11 | 3.26 | 45.89 | 9.18 | 3.73 | 3.91 | 1.56 | 1.09 |
| 10×3.5 | 14 | .88 | 9.07 | 2.66 | 35.41 | 6.49 | 3.90 | 6.68 | 1.91 | 1.58 |
| 10×3.5 | 12 | .96 | 12.50 | 3.67 | 51.19 | 9.71 | 3.88 | 9.38 | 2.68 | 1.60 |
| 12×3.5 | 14 | .88 | 10.07 | 2.96 | 52.17 | 7.72 | 4.58 | 6.68 | 1.91 | 1.50 |
| 12×3.5 | 12 | .96 | 13.89 | 4.08 | 79.01 | 12.54 | 4.57 | 9.38 | 2.68 | 1.51 |
| 14×3.0 | 14 | .88 | 10.58 | 3.10 | 69.48 | 8.77 | 5.16 | 4.44 | 1.48 | 1.19 |
| 14×3.0 | 12 | .95 | 14.58 | 4.28 | 112.17 | 15.84 | 5.14 | 6.23 | 2.07 | 1.20 |

Notes:

- 1) Properties are computed in accordance with the 1986 edition of the AISI specification.
- 2) I_x is for deflection determination, S_c is for bending, S_y and I_y are for full section.