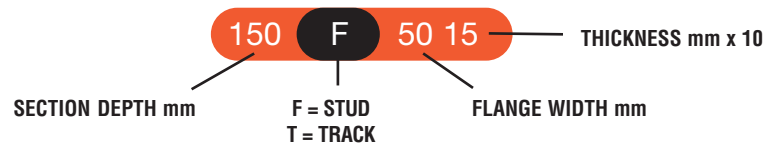


KEY TO STRUCTURAL SECTIONS FRAMING REFERENCE EXAMPLE: 150F5015



| Section Reference | t (mm) | Mass (kg/m) | Area (cm ²) | Ixx (cm ⁴) | Iyy (cm ⁴) | Ryy (cm) | Zyy (cm) | Zxr (cm ²) | Cy (mm) | Cx (mm) | esXCG (mm) | es (mm) |
|-------------------|--------|-------------|-------------------------|------------------------|------------------------|----------|----------|------------------------|---------|---------|------------|---------|
| 70F5012 | 1.20 | 1.71 | 2.18 | 17.88 | 7.33 | 1.86 | 2.40 | 4.91 | 18.83 | 35.00 | 21.16 | 2.33 |
| 70F5015 | 1.50 | 2.12 | 2.70 | 22.11 | 9.01 | 1.85 | 2.96 | 6.32 | 18.81 | 35.00 | 20.00 | 1.19 |
| 70F5020 | 2.00 | 2.78 | 3.55 | 28.83 | 11.63 | 1.83 | 3.85 | 8.24 | 18.77 | 35.00 | 14.69 | 4.08 |
| 74T4012 | 1.20 | 1.40 | 1.79 | 15.26 | 2.87 | 1.29 | 2.73 | 2.53 | 11.00 | 36.86 | 3.73 | 7.27 |
| 74T7012 | 1.20 | 1.98 | 2.52 | 24.72 | 13.09 | 2.32 | 5.69 | 2.88 | 23.51 | 37.88 | 3.85 | 19.66 |
| 74T7020 | 2.00 | 3.27 | 4.17 | 42.25 | 21.75 | 2.31 | 9.48 | 6.01 | 23.82 | 38.15 | 6.64 | 17.18 |
| 100F5012 | 1.20 | 2.00 | 2.54 | 40.24 | 8.33 | 1.84 | 2.51 | 7.75 | 16.25 | 50.00 | 21.17 | 4.92 |
| 100F5015 | 1.50 | 2.47 | 3.15 | 49.94 | 10.24 | 1.83 | 3.10 | 9.99 | 16.23 | 50.00 | 19.93 | 3.70 |
| 100F5020 | 2.00 | 3.25 | 4.15 | 65.46 | 13.24 | 1.80 | 4.04 | 13.09 | 16.20 | 50.00 | 18.14 | 1.94 |
| 104T4012 | 1.20 | 1.69 | 2.15 | 33.67 | 3.18 | 1.24 | 2.66 | 4.26 | 9.25 | 51.86 | 3.70 | 5.55 |
| 104T7012 | 1.20 | 2.26 | 2.88 | 52.48 | 14.68 | 2.30 | 7.29 | 4.72 | 20.65 | 52.38 | 3.80 | 16.85 |
| 104T7020 | 2.00 | 3.74 | 4.77 | 89.20 | 24.41 | 2.28 | 12.16 | 9.72 | 20.95 | 53.15 | 6.53 | 14.42 |
| 150F5012 | 1.20 | 2.47 | 3.14 | 103.00 | 9.48 | 1.77 | 2.62 | 13.27 | 13.26 | 75.00 | 19.04 | 5.78 |
| 150F5015 | 1.50 | 3.06 | 3.90 | 128.17 | 11.67 | 1.75 | 3.24 | 17.09 | 13.26 | 75.00 | 19.52 | 6.26 |
| 150F5020 | 2.00 | 4.04 | 5.15 | 168.79 | 15.08 | 1.73 | 4.22 | 22.81 | 13.25 | 75.00 | 18.08 | 4.83 |
| 154T4012 | 1.20 | 2.16 | 2.75 | 85.99 | 3.52 | 1.15 | 2.54 | 7.95 | 7.36 | 76.86 | 3.59 | 3.77 |
| 154T7012 | 1.20 | 2.73 | 3.48 | 127.47 | 16.60 | 2.22 | 8.73 | 8.81 | 17.19 | 77.38 | 3.70 | 13.49 |
| 154T7020 | 2.00 | 4.53 | 5.77 | 215.76 | 27.61 | 2.21 | 14.14 | 17.36 | 17.49 | 78.15 | 6.32 | 11.17 |
| 200F6312 | 1.20 | 3.35 | 4.27 | 242.73 | 18.78 | 2.13 | 4.07 | 21.71 | 16.27 | 100.00 | 17.61 | 1.34 |
| 200F6314 | 1.40 | 3.90 | 4.96 | 282.95 | 21.75 | 2.12 | 4.73 | 26.63 | 16.28 | 100.00 | 17.84 | 1.56 |
| 200F6316 | 1.60 | 4.43 | 5.65 | 322.69 | 24.64 | 2.11 | 5.37 | 31.47 | 16.29 | 100.00 | 17.83 | 1.54 |
| 200F6320 | 2.00 | 5.50 | 7.01 | 400.77 | 30.20 | 2.10 | 6.61 | 40.08 | 16.32 | 100.00 | 17.49 | 1.17 |
| 204T4012 | 1.20 | 2.63 | 3.35 | 171.62 | 3.37 | 1.07 | 2.48 | 12.64 | 6.15 | 101.86 | 3.49 | 2.66 |
| 204T7012 | 1.20 | 3.20 | 4.08 | 244.64 | 17.96 | 2.13 | 8.37 | 13.95 | 14.75 | 102.38 | 3.60 | 11.15 |
| 204T7020 | 2.00 | 5.31 | 6.74 | 413.31 | 29.87 | 2.12 | 13.60 | 26.74 | 15.05 | 103.15 | 6.27 | 8.78 |
| 225F6314 | 1.40 | 4.17 | 5.31 | 374.92 | 22.52 | 2.09 | 4.79 | 31.40 | 15.25 | 112.50 | 17.78 | 2.53 |
| 225F6316 | 1.60 | 4.75 | 6.05 | 427.74 | 25.52 | 2.08 | 5.44 | 37.11 | 15.27 | 112.50 | 17.81 | 2.54 |
| 225F6320 | 2.00 | 5.89 | 7.51 | 531.64 | 31.27 | 2.06 | 6.70 | 47.26 | 15.30 | 112.50 | 17.47 | 2.17 |
| 229T4012 | 1.20 | 2.88 | 3.66 | 233.06 | 3.82 | 1.04 | 1.11 | 15.43 | 5.68 | 115.00 | 3.37 | 2.31 |
| 229T7020 | 2.00 | 5.69 | 7.24 | 538.51 | 30.70 | 2.08 | 5.50 | 38.49 | 14.14 | 115.00 | 6.21 | 7.93 |
| 255F7514 | 1.40 | 4.83 | 6.15 | 569.36 | 38.82 | 2.55 | 6.97 | 39.45 | 18.59 | 127.50 | 21.95 | 3.36 |
| 255F7516 | 1.60 | 5.50 | 7.01 | 650.09 | 44.08 | 2.54 | 7.93 | 47.17 | 18.61 | 127.50 | 22.16 | 3.55 |
| 255F7520 | 2.00 | 6.77 | 8.62 | 809.26 | 54.26 | 2.52 | 9.80 | 62.18 | 18.63 | 127.50 | 22.16 | 3.53 |
| 259T4012 | 1.20 | 3.16 | 4.02 | 317.61 | 3.90 | 1.00 | 1.12 | 19.01 | 5.23 | 130.00 | 3.32 | 1.91 |
| 259T7020 | 2.00 | 6.16 | 7.84 | 722.17 | 31.63 | 2.03 | 5.56 | 38.49 | 13.14 | 130.00 | 6.78 | 6.36 |
| 285F7516 | 1.60 | 5.88 | 7.49 | 848.00 | 45.47 | 2.50 | 8.01 | 55.25 | 17.47 | 142.50 | 22.13 | 4.66 |
| 285F7520 | 2.00 | 7.24 | 9.22 | 1056.22 | 55.97 | 2.48 | 9.91 | 72.65 | 17.50 | 142.50 | 22.18 | 4.68 |
| 285F7530 | 3.00 | 10.75 | 13.69 | 1560.54 | 80.26 | 2.44 | 14.35 | 109.51 | 17.56 | 142.50 | 20.76 | 3.20 |
| 290T4015 | 1.50 | 4.29 | 5.46 | 524.75 | 4.94 | 0.96 | 1.41 | 29.80 | 4.98 | 145.00 | 4.14 | 0.84 |
| 290T7025 | 2.50 | 8.25 | 10.51 | 1169.67 | 40.26 | 1.97 | 7.00 | 60.27 | 12.49 | 145.00 | 7.49 | 5.00 |
| 305F7516 | 1.60 | 6.13 | 7.81 | 998.19 | 46.30 | 2.47 | 8.06 | 60.91 | 16.78 | 152.50 | 22.11 | 5.33 |
| 305F7520 | 2.00 | 7.55 | 9.62 | 1243.68 | 57.00 | 2.45 | 9.97 | 79.97 | 16.82 | 152.50 | 21.98 | 5.16 |
| 305F7530 | 3.00 | 11.22 | 14.29 | 1839.02 | 81.73 | 2.41 | 14.44 | 120.59 | 16.88 | 152.50 | 20.76 | 3.88 |
| 310T4015 | 1.50 | 4.52 | 5.76 | 623.18 | 4.99 | 0.94 | 1.41 | 33.41 | 4.76 | 155.00 | 4.09 | 0.67 |
| 310T7025 | 2.50 | 8.64 | 11.01 | 1376.84 | 40.85 | 1.94 | 7.04 | 67.14 | 11.98 | 155.00 | 7.47 | 4.51 |