**FLAT BARS**

Flat bars are a flat, rectangular section with square edges varying in sizes. This cost-effective steel product is suitable for a wide variety of applications and is distributed into the construction, engineering, manufacturing, mining, grating, fabrication and many other industries. The flat bar's versatility is the main reason it is usable throughout various industries, along with the excellent strength and formability combination of steel.

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| Please see below for the flat bar's dimensions and properties:  **Flat bars (dimensions and properties)** | | | | | | | | | | | |
| Thickness | Mass in kg/m for widths in mm | | | | | | | | | | |
| mm | 20 | 25 | 30 | 40 | 45 | 50 | 60 | 65 | 70 | 80 | 90 |
| 5 | 0.785 | 0.981 | 1.18 | 1.57 | 1.77 | 1.96 | - | - | - | - | - |
| 6 | 0.942 | 1.18 | 1.41 | 1.88 | 2.12 | 2.36 | 2.83 | 3.06 | 3.30 | 3.77 | 4.24 |
| 8 | 1.26 | 1.57 | 1.88 | 2.51 | - | 3.14 | 3.77 | 4.08 | 4.40 | 5.02 | 5.65 |
| 10 | 1.57 | 1.96 | 2.36 | 3.14 | - | 3.93 | 4.71 | 5.10 | 5.50 | 6.28 | 7.07 |
| 12 | - | 2.36 | 2.83 | 3.77 | 4.24 | 4.71 | 5.65 | 6.12 | 6.59 | 7.54 | 8.48 |
| 16 | - | - | - | 5.02 | - | 6.28 | 7.54 | 8.16 | 8.79 | 10.0 | 11.3 |
| 20 | - | - | - | 6.28 | - | 7.85 | 9.42 | 10.2 | 11.0 | 12.6 | 14.1 |
| 25 | - | - | - | 7.85 | - | 9.81 | 11.8 | 12.8 | 13.7 | 15.7 | 17.7 |
| 30 | - | - | - | - | - | - | - | - | - | 18.8 | - |
| 40 | - | - | - | - | - | - | - | - | - | 25.1 | - |

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| **Flat bars dimensions and properties (continued)** | | | | | | | | |
| **Thickness** | **Mass in kg/m for width in mm** | | | | | | | |
| mm | 100 | 110 | 130 | 150 | 180 | 200 | 250 | 300 |
| 6 | 5.18 | 4.71 | - | - | - | - | - | - |
| 8 | 6.28 | 6.91 | 8.16 | 9.42 | - | - | - | - |
| 10 | 7.85 | 8.64 | 10.2 | 11.8 | 14.1 | 15.7 | - | - |
| 12 | 9.42 | 10.4 | 12.2 | 14.1 | 17.0 | 18.8 | - | - |
| 16 | 12.6 | - | 16.3 | 18.8 | 22.6 | 25.1 | 31.4 | 37.7 |
| 20 | 15.7 | - | 20.4 | 23.6 | 28.3 | 31.4 | 39.2 | 47.1 |
| 25 | 19.6 | - | 25.5 | 29.4 | 35.3 | 39.2 | 49.1 | 58.9 |
| 30 | 23.6 | - | 31.6 | 35.3 | 42.4 | 47.1 | 58.9 | 70.6 |
| 40 | 31.4 | - | - | 47.1 | 56.5 | 62.8 | 78.5 | 94.2 |
| 45 | 39.2 | - | - | - | - | - | - | 106 |
| 50 | - | - | - | - | - | - | - | 118 |