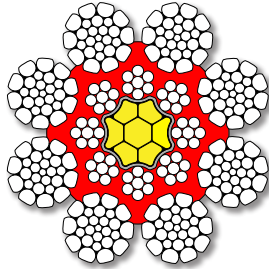


Turbolite M



Turbolite M

| CASAR Turbolite M Strength and Weights | | | | | | |
|----------------------------------------|-------------------------------|-------------|------------------------|-------------|------------------------|-------------|
| Nominal Diameter mm | Metallic Area mm ² | Weight kg/m | Minimum Breaking Force | | | |
| | | | 1770 N/mm ² | | 1960 N/mm ² | |
| | | | kN | metric tons | kN | metric tons |
| 20 | 191.8 | 1.67 | 310.0 | 31.60 | 343.2 | 34.98 |
| 21 | 211.4 | 1.85 | 341.7 | 34.83 | 378.4 | 38.57 |
| 22 | 232.0 | 2.03 | 375.1 | 38.24 | 415.3 | 42.33 |
| 23 | 253.6 | 2.21 | 409.9 | 41.78 | 453.9 | 46.27 |
| 24 | 276.1 | 2.41 | 446.4 | 45.50 | 494.3 | 50.39 |
| 25 | 299.6 | 2.61 | 484.3 | 49.37 | 536.3 | 54.67 |
| 26 | 324.1 | 2.83 | 523.9 | 53.40 | 580.1 | 59.13 |
| 27 | 349.5 | 3.05 | 564.9 | 57.58 | 625.6 | 63.77 |
| 28 | 375.8 | 3.28 | 607.6 | 61.94 | 672.8 | 68.58 |
| 29 | 403.2 | 3.52 | 651.7 | 66.43 | 721.7 | 73.57 |
| 30 | 431.4 | 3.77 | 697.4 | 71.09 | 772.3 | 78.73 |
| 31 | 460.7 | 4.03 | 744.7 | 75.91 | 824.7 | 84.07 |
| 32 | 490.9 | 4.29 | 793.5 | 80.89 | 878.7 | 89.57 |
| 33 | 522.0 | 4.56 | 843.9 | 86.02 | 934.5 | 95.26 |
| 34 | 554.2 | 4.85 | 895.8 | 91.31 | 992.0 | 101.12 |
| 35 | 587.2 | 5.13 | 949.3 | 96.77 | 1051.2 | 107.16 |
| 36 | 621.3 | 5.43 | 1004.3 | 102.38 | 1112.1 | 113.36 |
| 37 | 656.3 | 5.73 | 1060.9 | 108.14 | 1174.8 | 119.76 |
| 38 | 692.2 | 6.05 | 1119.0 | 114.07 | 1239.1 | 126.31 |
| 39 | 729.1 | 6.37 | 1178.7 | 120.15 | 1305.2 | 133.05 |
| 40 | 767.0 | 6.70 | 1239.9 | 126.39 | 1373.0 | 139.96 |
| 41 | 805.8 | 7.04 | 1302.7 | 132.79 | 1442.5 | 147.04 |
| 42 | 845.6 | 7.38 | 1367.0 | 139.35 | 1513.7 | 154.30 |
| 43 | 886.4 | 7.75 | 1432.9 | 146.07 | 1586.7 | 161.74 |
| 44 | 928.1 | 8.11 | 1500.3 | 152.94 | 1661.3 | 169.35 |
| 45 | 970.7 | 8.48 | 1569.2 | 159.96 | 1737.7 | 177.14 |
| 46 | 1014.4 | 8.86 | 1639.8 | 167.16 | 1815.8 | 185.10 |
| 47 | 1058.9 | 9.25 | 1711.8 | 174.50 | 1895.6 | 193.23 |
| 48 | 1104.5 | 9.65 | 1785.5 | 182.01 | 1977.1 | 201.54 |
| 49 | 1151.0 | 10.05 | 1860.6 | 189.66 | 2060.4 | 210.03 |
| 50 | 1198.4 | 10.47 | 1937.3 | 197.48 | 2145.3 | 218.69 |
| 51 | 1246.9 | 10.89 | 2015.6 | 205.46 | 2232.0 | 227.52 |
| 52 | 1296.2 | 11.33 | 2095.4 | 213.60 | 2320.4 | 236.53 |
| 53 | 1346.6 | 11.76 | 2176.8 | 221.90 | 2410.5 | 245.72 |
| 54 | 1397.9 | 12.21 | 2259.7 | 230.35 | 2502.3 | 255.08 |
| 55 | 1450.1 | 12.67 | 2344.2 | 238.96 | 2595.8 | 264.61 |
| 56 | 1503.3 | 13.13 | 2430.2 | 247.73 | 2691.1 | 274.32 |
| 57 | 1557.5 | 13.61 | 2517.8 | 256.66 | 2788.0 | 284.20 |
| 58 | 1612.6 | 14.09 | 2606.9 | 265.74 | 2886.7 | 294.26 |
| 59 | 1668.7 | 14.58 | 2697.6 | 274.98 | 2987.1 | 304.50 |
| 60 | 1725.8 | 15.08 | 2789.8 | 284.38 | 3089.2 | 314.90 |

The values in this chart are estimations and for reference purpose only. Each TURBOLITE design will be custom and associated design values for Metallic Area, Unit Weight, Minimum Breaking Force, and Aggregate Breaking Force will be supplied during the quotation and manufacturing process.