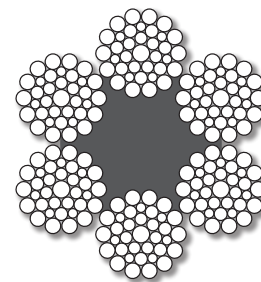


CASAR 6x36 Strength and Weights

| Nominal Diameter mm | Weight kg/m | Aggregate Breaking Force | | | | Minimum Breaking Force | | | |
|------------------------|----------------|--------------------------|-------------|------------------------|-------------|------------------------|-------------|------------------------|-------------|
| | | 1770 N/mm ² | | 1960 N/mm ² | | 1770 N/mm ² | | 1960 N/mm ² | |
| | | kN | metric tons | kN | metric tons | kN | metric tons | kN | metric tons |
| 20 | 1.50 | 297.2 | 30.29 | 329.1 | 33.55 | 243.7 | 24.85 | 269.9 | 27.51 |
| 21 | 1.66 | 327.6 | 33.40 | 362.8 | 36.98 | 268.7 | 27.39 | 297.6 | 30.33 |
| 22 | 1.82 | 359.6 | 36.66 | 398.2 | 40.59 | 294.9 | 30.06 | 326.6 | 33.29 |
| 23 | 1.99 | 393.0 | 40.06 | 435.2 | 44.36 | 322.3 | 32.86 | 356.9 | 36.39 |
| 24 | 2.16 | 427.9 | 43.62 | 473.9 | 48.31 | 351.0 | 35.78 | 388.7 | 39.62 |
| 25 | 2.35 | 464.3 | 47.33 | 514.2 | 52.41 | 380.8 | 38.82 | 421.7 | 42.99 |
| 26 | 2.54 | 502.2 | 51.20 | 556.1 | 56.69 | 411.9 | 41.99 | 456.1 | 46.50 |
| 27 | 2.74 | 541.6 | 55.21 | 599.8 | 61.14 | 444.2 | 45.28 | 491.9 | 50.14 |
| 28 | 2.95 | 582.5 | 59.38 | 645.0 | 65.75 | 477.7 | 48.70 | 529.0 | 53.92 |
| 29 | 3.16 | 624.8 | 63.69 | 691.9 | 70.53 | 512.5 | 52.24 | 567.5 | 57.85 |
| 30 | 3.38 | 668.7 | 68.16 | 740.4 | 75.48 | 548.4 | 55.90 | 607.3 | 61.90 |
| 31 | 3.61 | 714.0 | 72.78 | 790.6 | 80.59 | 585.6 | 59.69 | 648.4 | 66.10 |
| 32 | 3.85 | 760.8 | 77.55 | 842.4 | 85.88 | 624.0 | 63.60 | 690.9 | 70.43 |
| 33 | 4.09 | 809.1 | 82.47 | 895.9 | 91.33 | 663.6 | 67.64 | 734.8 | 74.90 |
| 34 | 4.34 | 858.9 | 87.55 | 951.0 | 96.95 | 704.4 | 71.80 | 780.0 | 79.51 |
| 35 | 4.60 | 912.1 | 92.98 | 1010.0 | 102.96 | 746.4 | 76.09 | 826.6 | 84.26 |
| 36 | 4.87 | 966.3 | 98.50 | 1070.0 | 109.07 | 789.7 | 80.50 | 874.5 | 89.14 |
| 37 | 5.14 | 1020.0 | 103.98 | 1130.0 | 115.19 | 834.2 | 85.03 | 923.7 | 94.16 |
| 38 | 5.42 | 1070.0 | 109.07 | 1180.0 | 120.29 | 876.0 | 89.29 | 970.0 | 98.88 |
| 39 | 5.71 | 1120.0 | 114.17 | 1240.0 | 126.40 | 921.1 | 93.90 | 1020.0 | 103.98 |
| 40 | 6.00 | 1170.0 | 119.27 | 1300.0 | 132.52 | 966.3 | 98.50 | 1070.0 | 109.07 |
| 41 | 6.31 | 1240.0 | 126.40 | 1370.0 | 139.65 | 1010.0 | 102.96 | 1120.0 | 114.17 |
| 42 | 6.62 | 1300.0 | 132.52 | 1440.0 | 146.79 | 1070.0 | 109.07 | 1180.0 | 120.29 |
| 43 | 6.94 | 1360.0 | 138.63 | 1510.0 | 153.92 | 1120.0 | 114.17 | 1240.0 | 126.40 |
| 44 | 7.26 | 1430.0 | 145.77 | 1580.0 | 161.06 | 1170.0 | 119.27 | 1300.0 | 132.52 |
| 45 | 7.60 | 1490.0 | 151.89 | 1650.0 | 168.20 | 1230.0 | 125.38 | 1360.0 | 138.63 |
| 46 | 7.94 | 1550.0 | 158.00 | 1720.0 | 175.33 | 1280.0 | 130.48 | 1420.0 | 144.75 |
| 47 | 8.29 | 1630.0 | 166.16 | 1800.0 | 183.49 | 1340.0 | 136.60 | 1480.0 | 150.87 |
| 48 | 8.64 | 1700.0 | 173.29 | 1880.0 | 191.64 | 1390.0 | 141.69 | 1540.0 | 156.98 |
| 49 | 9.00 | 1790.0 | 182.47 | 1980.0 | 201.83 | 1450.0 | 147.81 | 1610.0 | 164.12 |
| 50 | 9.37 | 1860.0 | 189.60 | 2060.0 | 209.99 | 1520.0 | 154.94 | 1680.0 | 171.25 |
| 51 | 9.75 | 1930.0 | 196.74 | 2140.0 | 218.14 | 1580.0 | 161.06 | 1750.0 | 178.39 |
| 52 | 10.13 | 2000.0 | 203.87 | 2220.0 | 226.30 | 1640.0 | 167.18 | 1820.0 | 185.52 |
| 53 | 10.53 | 2090.0 | 213.05 | 2310.0 | 235.47 | 1710.0 | 174.31 | 1890.0 | 192.66 |
| 54 | 10.93 | 2170.0 | 221.20 | 2400.0 | 244.65 | 1770.0 | 180.43 | 1960.0 | 199.80 |
| 55 | 11.34 | 2250.0 | 229.36 | 2490.0 | 253.82 | 1830.0 | 186.54 | 2030.0 | 206.93 |
| 56 | 11.75 | 2330.0 | 237.51 | 2580.0 | 263.00 | 1900.0 | 193.68 | 2100.0 | 214.07 |
| 57 | 12.18 | 2410.0 | 245.67 | 2670.0 | 272.17 | 1970.0 | 200.82 | 2180.0 | 222.22 |
| 58 | 12.61 | 2490.0 | 253.82 | 2760.0 | 281.35 | 2040.0 | 207.95 | 2260.0 | 230.38 |
| 59 | 13.05 | 2580.0 | 263.00 | 2860.0 | 291.54 | 2110.0 | 215.09 | 2340.0 | 238.53 |
| 60 | 13.49 | 2670.0 | 272.17 | 2960.0 | 301.73 | 2190.0 | 223.24 | 2420.0 | 246.69 |
| 61 | 13.95 | 2760.0 | 281.35 | 3060.0 | 311.93 | 2260.0 | 230.38 | 2500.0 | 254.84 |
| 62 | 14.41 | 2850.0 | 290.52 | 3160.0 | 322.12 | 2330.0 | 237.51 | 2580.0 | 263.00 |
| 63 | 14.87 | 2940.0 | 299.69 | 3260.0 | 332.31 | 2400.0 | 244.65 | 2660.0 | 271.15 |
| 64 | 15.35 | 3030.0 | 308.87 | 3360.0 | 342.51 | 2480.0 | 252.80 | 2750.0 | 280.33 |
| 65 | 15.83 | 3130.0 | 319.06 | 3470.0 | 353.72 | 2560.0 | 260.96 | 2840.0 | 289.50 |



6x36

This table is for reference only. Additional sizes available upon request.