

Typical Rigging Breaking Loads[§]

| Type 316 1 x 19 Dyform® Stainless Wire Rope | | | | | | Type 316 1 x 19* Stainless Wire Rope | | | | | | Navtec/DYS Nitronic 50 Stainless Rod Rigging | | | | | | Dacron® Double Braid Rope | | | | | | Vectran® Core Rope w/Dacron® Cover§ | | |
|---|-------|---------------|------|-------|-------|--|-------|------|---------|---------------|-------|--|--------|-------|-------|---------------|-------|---|-------|----------------------|--------------------|-------|-------|-------------------------------------|------|------|
| Size | | Breaking load | | Size | | Breaking load | | Size | | Breaking load | | Breaking load | | Size | | Breaking load | | Size | | Breaking load | | Size | | Breaking load | | |
| in | lb | kg | mm | lb | kg | in | lb | kg | in | lb | kg | Size | lb | kg | mm | lb | kg | in | lb | kg | mm | lb | kg | in | lb | kg |
| 3/16 | 4928 | 2235 | 5 | 5380 | 2440 | 3/16 | 3960 | 1800 | 3/8 | 14500 | 6580 | -4 | 4700 | 2130 | 4 | 4100 | 1860 | 1/4 | 1800 | 815 | 6 | 1800 | 815 | 3/16 | 634 | 288 |
| 1/4 | 8844 | 4011 | 6 | 7828 | 3550 | 7/32 | 5445 | 2470 | 1/2 | 25680 | 11650 | -6 | 6300 | 2860 | 4.5 | 4718 | 2140 | 5/16 | 2800 | 1270 | 7 | 2800 | 1270 | 1/4 | 1179 | 535 |
| 9/32 | 10802 | 4899 | 7 | 10827 | 4910 | 1/4 | 7090 | 3220 | — | — | — | -8 | 8200 | 3720 | 5 | 6283 | 2850 | 3/8 | 3750 | 1700 | 9 | 3750 | 1700 | 5/16 | 1677 | 761 |
| 5/16 | 13530 | 6136 | 8 | 13561 | 6150 | Type 302 1 X 19* Stainless Wire Rope | | | | | | -10 | 10300 | 4670 | 5.7 | 8157 | 3700 | 7/16 | 5500 | 2490 | 11 | 5500 | 2490 | 3/8 | 2630 | 1193 |
| 3/8 | 19272 | 8740 | 10 | 21544 | 9770 | in | lb | kg | in | lb | kg | -12 | 12500 | 5670 | 6.35 | 10317 | 4680 | 1/2 | 7000 | 3175 | 12 | 7000 | 3175 | 7/16 | 3174 | 1439 |
| 7/16 | 26620 | 12072 | 11 | 26620 | 12072 | 1/16 | 500 | 227 | 9/32 | 10300 | 4671 | -15 | 14250 | 6460 | 7.1 | 12500 | 5670 | 9/16 | 10000 | 4535 | 14 | 10000 | 4535 | 1/2 | 3809 | 1727 |
| 1/2 | 34833 | 15797 | 14 | 42460 | 19256 | 3/32 | 1200 | 544 | 5/16 | 12500 | 5669 | -17 | 17500 | 7940 | 7.5 | 14550 | 6600 | 5/8 | 14000 | 6350 | 15 | 14000 | 6350 | V12 Vectran | | |
| 9/16 | 42460 | 19256 | 16 | 56320 | 25541 | 1/8 | 2100 | 952 | 3/8 | 17500 | 7936 | -22 | 22500 | 10200 | 8.5 | 17323 | 7858 | 3/4 | 16000 | 7250 | 19 | 16000 | 7250 | in | lb | kg |
| 5/8 | 56320 | 25541 | 19 | 70400 | 31926 | 5/32 | 3300 | 1497 | 7/16 | 23400 | 10612 | -30 | 30000 | 13600 | 8.35 | 17636 | 8000 | 7/8 | 25000 | 11340 | 22 | 25000 | 11340 | 1/8 | 2000 | 907 |
| 3/4 | 70400 | 31926 | — | — | — | 3/16 | 4700 | 2131 | 1/2 | 29700 | 13469 | -40 | 38000 | 17200 | 9.5 | 22530 | 10220 | 100% Spectra®/Dyneema® Core Rope w/Dacron® Cover | | | | 5/32 | 3500 | 1587 | | |
| Type 316 1 x 19 ** Stainless Wire Rope | | | | | | 7/32 | 6300 | 2857 | 9/16 | 36500 | 16553 | -48 | 48000 | 21800 | 10.3 | 26434 | 11991 | Size | | Breaking load | | 3/16 | 4750 | 2154 | | |
| mm | lb | kg | mm | lb | kg | 1/4 | 8200 | 3719 | 5/8 | 44000 | 19954 | -60 | 60000 | 27200 | 11.1 | 29981 | 13600 | in | lb | kg | 1/4 | 7800 | 3537 | | | |
| 2 | 706 | 320 | 9 | 12944 | 5870 | Type 316 7 x 19** Stainless Wire Rope | | | | | | -76 | 76000 | 34500 | 12.7 | 40583 | 18409 | 1/4 | 5100 | 2313 | 5/16 | 11500 | 5215 | | | |
| 2.5 | 1103 | 500 | 9.53 | 14509 | 6580 | in | lb | kg | mm | lb | kg | -91 | 90000 | 40800 | 13.5 | 44244 | 20070 | 5/16 | 6200 | 2812 | 3/8 | 16800 | 7618 | | | |
| 3 | 1588 | 720 | 10 | 15987 | 7250 | 3/16 | 2830 | 1285 | 3 | 1120 | 510 | -115 | 115000 | 52200 | 14.3 | 48058 | 21800 | 3/8 | 9800 | 4444 | S12 Spectra | | | | | |
| 4 | 2822 | 1280 | 11 | 19338 | 8770 | 7/32 | 3865 | 1750 | 4 | 2130 | 970 | — | — | — | 15.3 | 55207 | 25043 | 7/16 | 14000 | 6349 | in | lb | kg | | | |
| 4.76 | 3969 | 1800 | 12 | 22933 | 10400 | 1/4 | 5040 | 2280 | 5 | 3130 | 1420 | — | — | — | 16.76 | 66135 | 30000 | 1/2 | 21000 | 9524 | 1/8 | 2100 | 952 | | | |
| 5 | 4410 | 2000 | 12.7 | 25689 | 11650 | 3/8 | 11350 | 5150 | 6 (-8) | 4490 | 2040 | — | — | — | 17.9 | 76018 | 34483 | | | | | 5/32 | — | — | | |
| 5.56 | 5447 | 2470 | 14 | 31268 | 14180 | 1/2 | 20165 | 9140 | 7 (-12) | 6120 | 2780 | — | — | — | 19.5 | 91022 | 41289 | | | | | 3/16 | 5800 | 2630 | | |
| 6 | 6351 | 2880 | 16 | 40926 | 18560 | — | — | — | 8 | 8000 | 3630 | — | — | — | 22.2 | 115026 | 52178 | | | | | 1/4 | 9800 | 4443 | | |
| 6.35 | 7100 | 3220 | 19 | 47674 | 21620 | — | — | — | 10 | 12500 | 5670 | | | | | 5/16 | 13300 | | | | | 6032 | | | | |
| 7 | 7828 | 3550 | 22 | 64101 | 29070 | — | — | — | 12 | 17990 | 8160 | | | | | | | | | | | 3/8 | 19000 | 8617 | | |
| 8 | 10232 | 4640 | 26 | 89526 | 40600 | — | — | — | 14 | 24470 | 11100 | | | | | | | | | | | | | | | |
| | | | | | | — | — | — | 16 | 29980 | 13600 | | | | | | | | | | | | | | | |

*Typical American wire **Typical European wire §Breaking load may vary widely by manufacturer

