

DeepCool™ Q-12

Product Code: 883

SAMSON
PATENTED
TECHNOLOGY

Class II

Designed specifically to survive the rigors of active heave compensation and CBOS applications better than wire or any other synthetic rope.

FEATURES:

- > DPX™ fiber technology provides enhanced grip for traction winches
- > DeepCool™ Technology resists internal heat buildup for longer service in CBOS applications
- > Excellent abrasion resistance
- > Floats
- > Easily inspected and spliced in the field

APPLICATIONS:

- > Deepwater traction winches
- > Systems using active heave compensation
- > Wire replacement
- > Deepwater and ultra-deepwater lowering/lifting lines

DeepCool™ Q-12 combines the proven benefits of Samson's DPX™ fiber technology for enhanced grip and abrasion resistance with DeepCool™ technology to enhance the fatigue resistance of ropes used in CBOS (cyclic bend over sheave) applications. Compared with wire ropes and untreated synthetics, the combination of fiber and coating technologies of DeepCool™ provides significantly longer service life to ropes used in applications requiring active heave compensation and other high-cycle/ high-frequency low-stroke systems.

Lightweight, ultra-high strength ropes allow reduced deck loads, smaller equipment footprints, and lower power requirements. These ropes are neutrally buoyant—virtually weightless in seawater—and there is no breaking length limitation. Equipment can be sized to the payload without regard to the weight of the rope.

DeepCool™ Technology reduces internal build-up of heat from cyclic bending over sheave operations, which results in a rope that is stronger, lighter, and lasts longer than either wire ropes or synthetic ropes without DeepCool™ Technology.

**DEEP
COOL™**

| Size Diameter INCHES | Size Circumference INCHES | Size Diameter MILLIMETERS | Weight Per 100 feet POUNDS | Weight Per 100 meters KILOGRAMS | SRT MBS (spliced strength) POUNDS | SRT MBS (spliced strength) METRIC TONS | ISO/BS EN919 MBS METRIC TONS |
|----------------------|---------------------------|---------------------------|----------------------------|---------------------------------|-----------------------------------|--|------------------------------|
| 2 in. | 6 in. | 48 mm | 112.0 lb | 166.0 kg | 282,600 lb | 128.0 t | 142.0 t |
| 2-1/8 in. | 6-1/2 in. | 52 mm | 126.0 lb | 188.0 kg | 321,300 lb | 146.0 t | 162.0 t |
| 2-1/4 in. | 7 in. | 56 mm | 142.0 lb | 211.0 kg | 362,700 lb | 165.0 t | 183.0 t |
| 2-3/8 in. | 7-1/8 in. | 57 mm | 158.0 lb | 235.0 kg | 407,700 lb | 185.0 t | 205.0 t |
| 2-1/2 in. | 7-1/2 in. | 60 mm | 175.0 lb | 260.0 kg | 455,400 lb | 206.0 t | 229.0 t |
| 2-5/8 in. | 8 in. | 64 mm | 193.0 lb | 287.0 kg | 506,700 lb | 230.0 t | 255.0 t |
| 2-3/4 in. | 8-1/2 in. | 68 mm | 211.0 lb | 315.0 kg | 552,600 lb | 251.0 t | 278.0 t |
| 3 in. | 9 in. | 72 mm | 252.0 lb | 374.0 kg | 653,400 lb | 297.0 t | 329.0 t |
| 3-1/4 in. | 10 in. | 80 mm | 295.0 lb | 440.0 kg | 764,100 lb | 346.0 t | 385.0 t |
| 3-5/8 in. | 11 in. | 88 mm | 367.0 lb | 547.0 kg | 945,000 lb | 429.0 t | 476.0 t |
| 4 in. | 12 in. | 96 mm | 447.0 lb | 666.0 kg | 1,144,800 lb | 519.0 t | 577.0 t |
| 4-1/4 in. | 13 in. | 104 mm | 505.0 lb | 752.0 kg | 1,285,200 lb | 583.0 t | 648.0 t |
| 4-5/8 in. | 14 in. | 112 mm | 598.0 lb | 890.0 kg | 1,513,800 lb | 687.0 t | 763.0 t |
| 5 in. | 15 in. | 120 mm | 699.0 lb | 1,040.0 kg | 1,760,400 lb | 798.0 t | 887.0 t |
| 5-1/4 in. | 16 in. | 128 mm | 771.0 lb | 1,147.0 kg | 1,924,200 lb | 873.0 t | 970.0 t |
| 5-1/2 in. | 17 in. | 136 mm | 846.0 lb | 1,259.0 kg | 2,084,400 lb | 945.0 t | 1,050.0 t |
| 6 in. | 18 in. | 144 mm | 1,007.0 lb | 1,498.0 kg | 2,432,700 lb | 1,103.0 t | 1,226.0 t |
| 6-1/4 in. | 19 in. | 158 mm | 1,092.0 lb | 1,625.0 kg | 2,595,600 lb | 1,177.0 t | 1,308.0 t |
| 6-5/8 in. | 20 in. | 168 mm | 1,227.0 lb | 1,826.0 kg | 2,898,900 lb | 1,315.0 t | 1,461.0 t |
| 7 in. | 21 in. | 178 mm | 1,370.0 lb | 2,039.0 kg | 3,218,400 lb | 1,460.0 t | 1,622.0 t |
| 7-1/4 in. | 22 in. | 184 mm | 1,470.0 lb | 2,187.0 kg | 3,431,700 lb | 1,557.0 t | 1,730.0 t |
| 7-5/8 in. | 23 in. | 194 mm | 1,626.0 lb | 2,419.0 kg | 3,753,000 lb | 1,702.0 t | 1,891.0 t |
| 8 in. | 24 in. | 203 mm | 1,789.0 lb | 2,663.0 kg | 4,106,700 lb | 1,863.0 t | 2,070.0 t |

Smaller sizes are available. Contact customer service for details.

SPECIFICATIONS:

Specific Gravity:
1.03

Elastic Elongation Percentage:
At % of break strength
10% 0.65%
20% 0.75%
30% 0.90%



Dyneema® is a registered trademark of Royal DSM N.V. Dyneema is DSM's high-performance polyethylene product.

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THE STRONGEST NAME IN ROPE

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