

Super - Q12

12-Strand UHMwPE / Spun Polyester Blend

A high-tenacity, floating rope with excellent grip, handling and performance. This rope has been specifically designed to enhance grip and pulling efficiency on capstans, winches, and bitts. The Spun Polyester also provides additional heat dissipation - especially when wet - meaning it can handle friction far better than 100% UHMwPE.

FEATURES

- Excellent grip on winch drums, capstans, & bitts
- High strength-to-weight ratio
- Polyester increases heat management
- Safer than wire (low recoil)
- Floats
- Low elongation & creep
- Easy to handle, splice, & inspect
- Flexible & resistant to kinking
- Maintains high strength around tight-radius bends
- Exceptional UV and chemical resistance

TECHNICAL

- Material: Stealth Fibre® UHMwPE / Spun Polyester Blend
- Heat-Treated with Abrasion-Resistant Coating
- 12-Strand Construction (12x1)

RANGE

- 18 - 104mm (other diameters available on request)
- 220m Reels (other sizes available on request)
- Available in white (other colours available on request)

OPTIONS

- Spliced Eyes
- Custom colours

APPLICATIONS

- Mooring Lines
- General Working Lines
- Winch / Capstan Lines
- Tow Rope
- Wire Replacement

CAPSTAN EQUATION

The tension on the standing end of the capstan or winch can be calculated using the following equation.

For example, a Super-Q12 with 100t line tension with 5 wraps around a drum would result in a final tension of 3.156 t when using the average CoF:

$$\frac{T_i}{T_f} = e^{2\pi\mu w}$$

$$T_f = \frac{T_i}{e^{2\pi\mu w}}$$

where T_i = Initial Tension,
 T_f = Final Tension,
 $e = 2.7182$,
 $\pi = 3.1416$,
 μ = Coefficient of Friction,
 w = Number of Wraps

$$T_f = \frac{100}{e^{2\pi \times 0.11 \times 5}}$$

$$= 3.156$$

We offer an extensive range of larger diameters and longer lengths - available up to 168mm. Get in touch with us today to find the perfect fit for your needs.

Super-Q12

Diameter (Inches)	Diameter (mm)	Weight / 100m (Kg's)	Linear Strength (Metric Tonne)
3/4"	18	19.44	22.50
7/8"	22	29.04	35.25
1"	24	34.56	41.25
1-1/8"	28	47.04	55.13
1-1/4"	30	54.00	61.88
1-5/16"	32	61.44	63.45
1-3/8"	34	69.36	71.25
1-1/2"	36	77.76	80.10
1-5/8"	40	96.00	98.25
1-3/4"	44	116.16	117.75
2"	48	138.24	144.80
2-1/8"	52	162.24	160.80
2-1/4"	56	188.16	184.00
2-1/2"	60	216.00	214.40
2-5/8"	64	245.76	256.00
2-3/4"	68	277.44	288.00
2-13/16"	72	311.04	320.00
3-1/8"	80	384.00	400.00
3-7/16"	88	464.64	480.00
3-3/4"	96	552.96	568.00
4-1/16"	104	648.96	680.00



***Tested in Accordance with ISO 2307:2019
Specification subject to change without
notice.***

Southernropes (Pty) Ltd