

STEALTH FIBRE®

STRONGER THAN THE STRONGEST

Stealth Fibre® is a leading edge brand of UHMwPE. Our Stealth Technology increases fibre crystallinity and evens out the stresses in the rope, allowing for all the strands to share the load equally and therefore increasing performance and break load. Stealth Fibre® has strength second to none.

The range is made using the latest Thermofixation process machinery. The process incorporates a colour treatment and stretching under controlled temperatures with a precise continuous chain structure of UHMwPE fibres in the ideal load direction of the rope.

This process achieves significant improvements in the break load of the rope and virtually eliminates the creep compared to merely just braiding 'strong' fibres together and applying traditional urethane with treatment. This process compacts the yarns and increases the net fibre density of the rope.



FEATURES

- > Extreme Strength-to-Weight Ratio
- > 15 times stronger than steel
- > Safer than wire (low recoil)
- > Hydrophobic fibre (no water absorption)
- > Floats
- > Low Creep Easy to splice
- > Resistant to Kinking
- > Maintains high strength around tight-radius bends
- > Exceptional UV and chemical resistance
- > Southern Ropes abrasion-resistant coating reduces snagging and provides superior winch grip

TECHNICAL

- > Material: Stealth Fibre® Ultra-high-molecular weight polyethylene - UHMwPE Heat-Treated with Abrasion-Resistant Coating
- > Construction: 12-Strand Single Braided
- > 32 cN/dtex tenacity
- > 3.5% fibre elongation at break
- > 0.98 g/cm³ density

OPTIONS

- > Available in 3 constructions:
 - Single strand (1.5 - 9mm)
 - Double strand (10 - 60mm)
 - Braid-on-braid (62 - 105mm)
- > 1.5mm to 105mm
- > Standard Colour is Silver. Other colours available on request.
- > 200m Lengths and custom on request
- > Protective cover braid
- > Spliced eyes

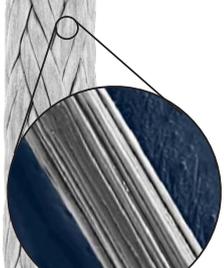
APPLICATION

- > Wire rope replacement
- > Winch lines
- > Towing
- > Lifting

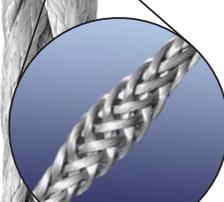
STEALTH SUPER-12[®]

DIAMETER (MM)	SPLICED STRENGTH (METRIC TONNE)	LINEAR STRENGTH (METRIC TONNE)
3	1.3	1.4
4	2.2	2.4
5	3.1	3.4
6	4.3	4.8
7	5.2	5.8
8	6.6	7.3
9	8.3	9.2
DIAMETER (MM)	SPLICED STRENGTH (METRIC TONNE)	LINEAR STRENGTH (METRIC TONNE)
10	9.7	10.8
12	15.3	17.0
13	15.9	17.6
14	17.9	19.9
15	20.0	22.2
16	21.2	23.5
17	27.0	30.0
18	31.3	34.7
19	34.9	38.7
20	40.8	45.3
22	47.0	52.2
24	55.2	61.3
26	65.3	72.5
28	76.0	84.4
30	82.5	91.6
32	84.6	93.9
34	95.0	105.5
36	106.8	118.5
38	118.0	131.0

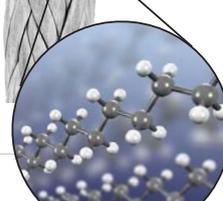
DIAMETER (MM)	SPLICED STRENGTH (METRIC TONNE)	LINEAR STRENGTH (METRIC TONNE)
40	131.0	145.4
42	143.0	160.0
46	157.0	186.0
48	181.0	200.0
50	191.0	212.0
52	201.0	223.0
54	215.0	240.0
56	230.0	255.0
58	248.0	275.0
60	268.0	300.0
DIAMETER (MM)	SPLICED STRENGTH (METRIC TONNE)	LINEAR STRENGTH (METRIC TONNE)
62	293.0	325.0
64	320.0	355.0
66	339.0	375.0
68	360.0	400.0
70	379.0	420.0
72	400.0	444.0
74	424.0	470.0
76	450.0	500.0
78	474.0	526.0
80	500.0	555.0
88	600.0	666.0
96	710.0	788.0
105	850.0	944.0



Highly orientated fibres for the increased strength



Braided construction allows for easy splicing



Simple polymer with outstanding performance characteristics