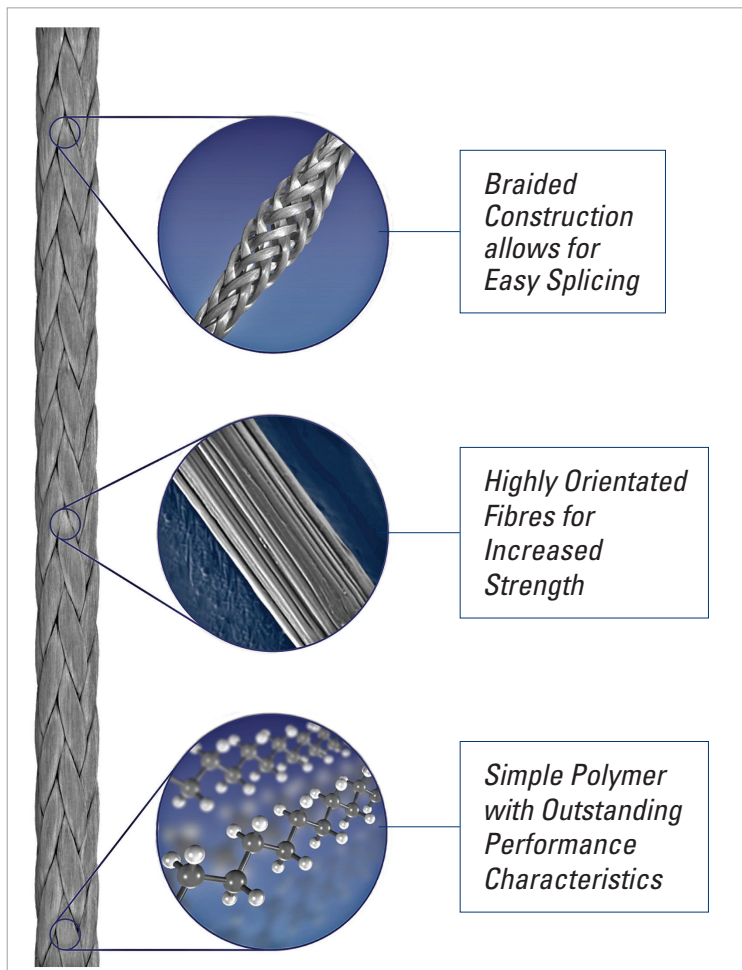




Installation Guide

Stealth® UHMwPE 12 strand braid



FEATURES / BENEFITS

- Extreme strength to weight ratio
- 8 x lighter on a weight for weight basis
- UHMwPE is 15 times stronger than steel wire rope
- High UV and chemical resistance
- Floats and does not absorb water
- Low stretch, low creep
- Virtually no recoil in the unlikely event of failure
- Will not kink
- Easy to splice
- Abrasion resistant coating reduces likelihood of snagging and provides superior winch drum grip
- Long continuous lengths available which removes waste factors and enhances hauling/winches integrities

APPLICATIONS

- Strops
- Winch lines
- 4x4 Winch ropes
- Vehicle rescue/recovery
- Mining
- Logging applications
- Towing line
- Pulling/stringing lines
- High load purchase systems
- Marine applications



Splicing Instructions



RANGE

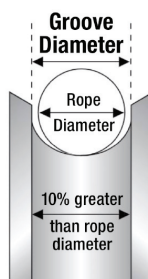
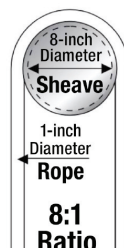
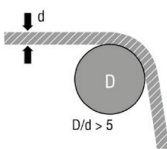
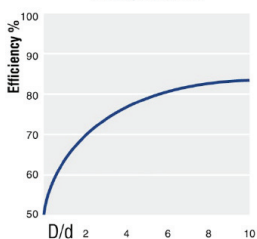
Product Code	Diameter (mm)	Unspliced Strength (metric tonnes)	MBL Spliced Strength (metric tonnes)	Weight /100m kgs	Product Code	Diameter (mm)	Unspliced Strength (metric tonnes)	MBL Spliced Strength (metric tonnes)	Weight /100m kgs
BRS01WAM	1	0.31	0.28	0.15	BRS32WAM	32	93.9	84.5	52
BRS015WAM	1.5	0.47	0.42	0.23	BRS34WAM	34	105	94.5	55
BRS0175WAM	1.75	0.61	0.55	0.3	BRS36WAM	36	118	106.2	60
BRS02WAM	2	0.94	0.85	0.4	BRS38WAM	38	130	117.0	65
BRS025WAM	2.5	1.2	1.1	0.5	BRS40WAM	40	145	130.5	70
BRS03WAM	3	1.4	1.3	0.6	BRS42WAM	42	158	142.2	75
BRS035WAM	3.5	1.9	1.7	0.7	BRS44WAM	44	174	156.6	81
BRS04WAM	4	2.4	2.2	0.8	BRS46WAM	46	186	167.4	98
BRS05WAM	5	3.4	3.1	1.2	BRS48WAM	48	200	180.0	114
BRS06WAM	6	4.8	4.3	2.3	BRS50WAM	50	212	190.8	130
BRS07WAM	7	5.8	5.2	2.9	BRS52WAM	52	223	200.7	147
BRS08WAM	8	7.3	6.6	3.3	BRS54WAM	54	238	214.2	161
BRS09WAM	9	9.2	8.3	4.0	BRS56WAM	56	255	229.5	174
BRS10WAM	10	10.8	9.7	5.9	BRS60WAM	60	297	267.3	206
BRS11WAM	11	12.1	10.9	6.0	BRS64WAM	64	355	319.5	220
BRS12WAM	12	17.0	15.3	7.8	BRS68WAM	68	399	359.1	248
BRS14WAM	14	19.9	17.9	10.5	BRS70WAM	70	420	378.0	262
BRS16WAM	16	23.5	21.2	12.0	BRS72WAM	72	444	399.6	278
BRS17WAM	17	30.0	27.0	13.3	BRS74WAM	74	470	423.0	294
BRS18WAM	18	34.7	31.2	17	BRS76WAM	76	499	449.1	309
BRS20WAM	20	45.3	40.8	20	BRS78WAM	78	526	473.4	325
BRS22WAM	22	52.2	47.0	25	BRS80WAM	80	555	499.5	343
BRS24WAM	24	61.3	55.2	29	BRS84WAM	84	579	521.1	380
BRS26WAM	26	72.5	65.2	34	BRS88WAM	88	666	599.4	418
BRS28WAM	28	84.4	76.0	40	BRS92WAM	92	730	657.0	455
BRS30WAM	30	91.6	82.4	48	BRS96WAM	96	788	709.2	492

Note: Tested in accordance with ISO 2307

TECHNICAL

Rope properties; static bending

Bending loss PM20



- To ensure maximum efficiency & safety, sheaves should be no less than 8 x the rope diameter. The sheave groove diameter should be no less than 10% greater than the rope diameter.
- The sheave groove should be round in shape. Sheaves with "V" shaped grooves should be avoided to prevent damaging the rope through excessive friction & crushing of the rope fibres. Sheave surface should be kept smooth and free of burrs & gouges. Bearings should be maintained to ensure smooth rotation.

FIBRE CHARACTERISTICS

Fibre type	Description	Specific gravity	Sensitive to	Resistant to	Heat reaction	Strength and elongation
Stealth® Ultra High Molecular Weight Polyethylene (UHMwPE)	Continuous Filament	0.97g/cm3	Strong oxidizing agents, Chlorosulfonic and Nitric acids at high temperatures. Slightly affected by Sodium Hydroxide (pH > 14).	Most acids and alkalis, cold alcohols, ethers, esters, ketones and bleaches.	Softens 144°C. Mets 152°C.	Equivalent wet/ dry strength ratio. Elongation 4% at Break.