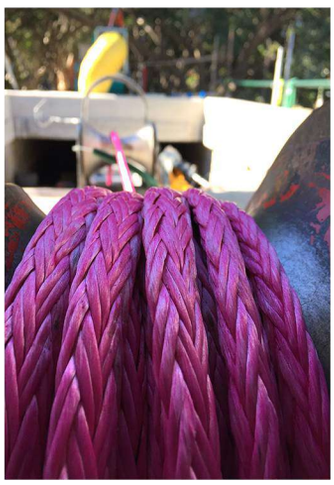
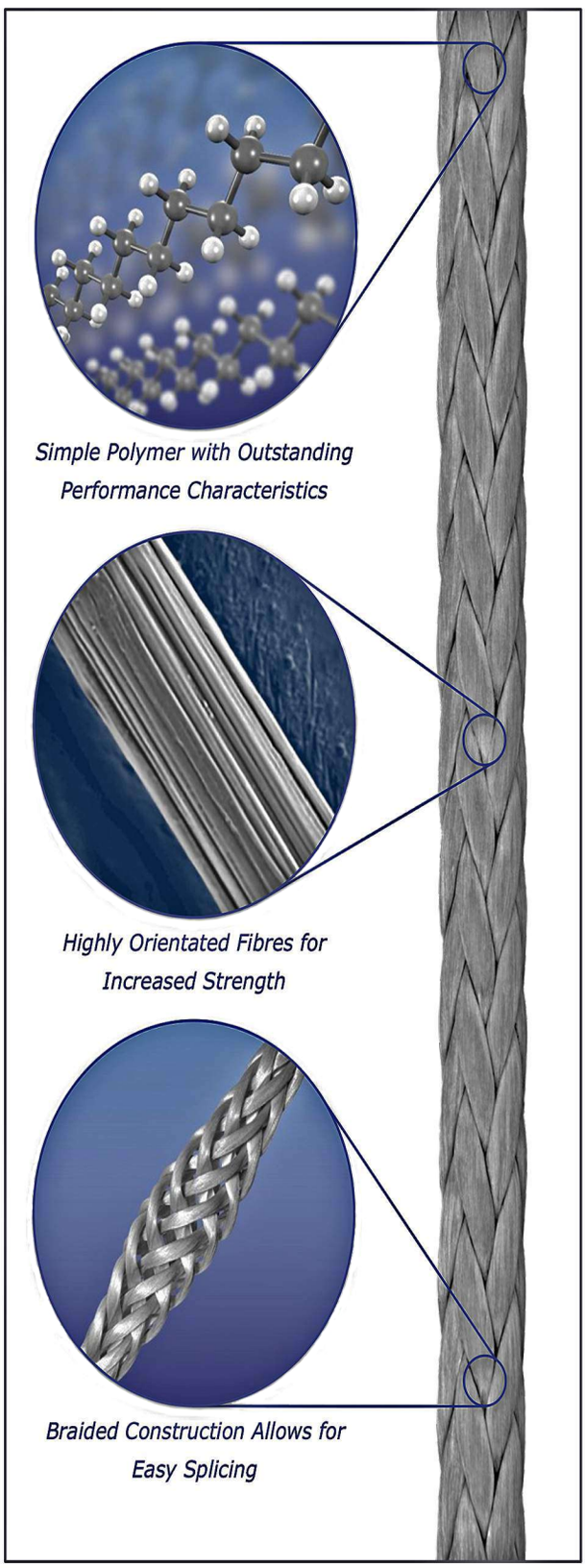
DONAGHYS
PERFORMANCE FIRST

DONAGHYS winchline

Winch installation guide

Stealth® UHMwPE 12 strand braid





FEATURES

- 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
- Maximum continuous length removes waste factors and enhances hauling/winch lines integrities

APPLICATIONS

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

DONAGHYS
PERFORMANCE FIRST

DONAGHYS winchline

Splicing instructions

RANGE

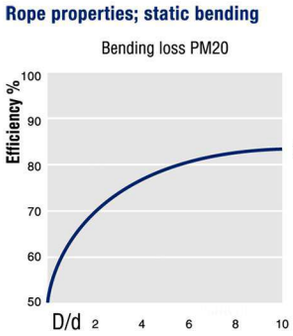
Product Code	Diameter (mm)	Unspliced Strength (metric tonne)	Max. length app.metres	Weight /100m kgs
BRS01WAM	1	0.31	34000	0.15
BRS015WAM	1.5	0.47	10800	0.23
BRS0175WAM	1.75	0.61	10900	0.3
BRS02WAM	2	0.94	6100	0.4
BRS025WAM	2.5	1.2	5280	0.5
BRS03WAM	3	1.4	2710	0.6
BRS035WAM	3.5	1.9	1990	0.7
BRS04WAM	4	2.4	2065	0.8
BRS05WAM	5	3.4	970	1.2
BRS06WAM	6	4.8	2300	2.3
BRS07WAM	7	5.8	1700	2.9
BRS08WAM	8	7.3	1300	3.3
BRS09WAM	9	9.2	1025	4.0
BRS10WAM	10	10.8	4400	5.9
BRS11WAM	11	12.1	3625	6.0
BRS12WAM	12	17.0	3050	7.8
BRS14WAM	14	19.9	2250	10.5
BRS16WAM	16	23.5	1720	12.0
BRS17WAM	17	30.0	1525	13.3
BRS18WAM	18	34.7	1360	17
BRS20WAM	20	45.3	1100	20
BRS22WAM	22	52.2	904	25
BRS24WAM	24	61.3	760	29
BRS26WAM	26	72.5	650	34
BRS28WAM	28	84.4	560	40
BRS30WAM	30	91.6	1352	48

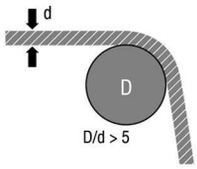
Product Code	Diameter (mm)	Unspliced Strength (metric tonne)	Max. length app.metres	Weight /100m kgs
BRS32WAM	32	93.9	1189	52
BRS34WAM	34	105	1053	55
BRS36WAM	36	118	939	60
BRS38WAM	38	130	843	65
BRS40WAM	40	145	761	70
BRS42WAM	42	158	690	75
BRS44WAM	44	174	629	81
BRS46WAM	46	186	575	98
BRS48WAM	48	200	528	114
BRS50WAM	50	212	500	130
BRS52WAM	52	223	500	147
BRS54WAM	54	238	450	161
BRS56WAM	56	255	400	174
BRS60WAM	60	297	400	206
BRS64WAM	64	355	300	220
BRS68WAM	68	399	250	248
BRS70WAM	70	420	250	262
BRS72WAM	72	444	250	278
BRS74WAM	74	470	200	294
BRS76WAM	76	499	200	309
BRS78WAM	78	526	200	325
BRS80WAM	80	555	200	343
BRS84WAM	84	579	200	380
BRS88WAM	88	666	200	418
BRS92WAM	92	730	150	455
BRS96WAM	96	788	150	492

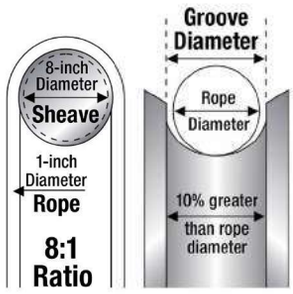
Note: Tested in accordance with ISO 2307. A spliced break is less 10% of the above published break.

TECHNICAL

Rope properties; static bending







**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 & free of burrs & gouges. Bearings should be maintained to ensure smooth rotation.*

Fibre:Type	Description	Specific Gravity	Sensitive to	Resistant to	Heat Reaction	Strength & Elongation
UHMwPE Ultra High Molecular Weight Polyethylene	Continuous Filament	0.97 g/cm3	Strong oxidising agents, Chlorosulfonic & Nitric acids at high temperatures. Slightly affected by Sodium Hydroxide (pH>14)	Most acids & alkalis, cold alcohols, ethers, esters, ketones & bleaches	Softens 144°C Melts 152°C	Equivalent wet/dry strength ratio. Elongation 4% at Break