

D2 RACING 78

Light weight, low stretch and high strength using a colour coded D12 Dyneema® SK78 core, the popular D2 Racing has a hard-wearing polyester cover for easy handling and tapering, and is the ideal option across all applications on board.

As an engineered upgrade, D2 Racing can be used in a smaller size over a polyester halyard such as the Doublebraid thanks to the higher breakloads enabled by the use of Dyneema® in the core.



NEW MOTTLED COVERS NOW AVAILABLE! RED & GREY | BLUE & GREY | GREEN & GREY | BLACK & GREY | LIME & GREY | ORANGE & GREY

APPLICATIONS

MATERIAL

CORE:

Halyards, Sheets, Guys, Reefing Lines, Runner-Tails, Control Lines, Out/Downhauls, Vang, Furlers

Manufactured from Dyneema SK78 HMPE (High-Modulus Polyethylene) Very light weight - more than 8x lighter than steel wire for a given strength High strength - 80% stronger than steel wire for a given weight Low Stretch - see graph below Good resistance to chemicals and UV Zero water shrinkage Very low creep HMPE fibre Exhibits approximately 20% of the creep experienced by SK75.

24 plait Polyester Good abrasion resistance Excellent UV resistance

COVER:

PROPERTIES

RELATIVE DENSITY: CHEMICAL RESISTANCE:

UV RESISTANCE: MELTING POINT: CRITICAL TEMPERATURE (CORE): 1.15 Exact figure varies with diameter
Excellent resistance to most chemicals (additional information available on request).
Good
Core: 140°C - Cover: 260°C (Polyester), 500°C (Technora)
80°C (prolonged exposure to temperatures over this will result in

TERMINATIONS

SPLICED EYE TERMINATION: 12 strand core splice

An allowance of 40x rope diameter should be made for the overall length of the splice.

To optimise the efficiency of a soft eye splice (without a thimble), the angle formed at the neck of the splice should be 30° or less, meaning that when flat, the length of the eye must be 2.7x the diameter of the object over which the splice will be used. A splice will normally increase the diameter of the rope between 1.5x and 1.75x.

N.B. KNOTS WILL SIGNIFICANTLY REDUCE THE STRENGTH OF ANY ROPE. THIS PRODUCT WILL TYPICALLY RETAIN APPROXIMATELY 40% OF ITS STRENGTH IF TERMINATED WITH A KNOT. THE EXACT FIGURE WILL DEPEND ON THE TYPE OF KNOT USED AND OTHER FACTORS.

ELONGATION

Typical working elongation (for a bedded in rope):

@ 10% of break load: 0.51% @ 20% of break load: 0.89%



PERFORMANCE

DIAMETER		MASS		AVERAGE STRENGTH			MIN STRENGTH		
mm	Inch	g/m	lb/100 ft	kg	lb	kN	kg	lb	kN
8	5/16	39	2.62	3490	7670	34.2	3140	6900	30.8
10	13/32	59.2	3.97	5360	11800	52.6	4930	10800	48.4
12	15/32	92.9	6.23	6940	15300	68.1	6250	13700	61.3
14	9/16	117	7.82	9270	20400	91.0	8530	18800	83.7
16	5/8	166	11.13	12800	28160	126	11600	25600	114
18	3/4	185	12.42	15900	34900	155	14300	31400	140

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