

Marlow[®] DATASHEET

EXCEL ELITE³

MADE WITH BIO BASED
DYNEEMA[®] FIBRE



Super high strength core gives the option to down size. The Technora/Dyneema[®] cover provides ultimate abrasion resistance, heat resistance and grip for halyards, control line and sheets.



Key Specifications:

Application:	Halyards, Backstrays, Runners
Material:	Dyneema [®] SK99 core Technora and Dyneema [®] blend cover
Construction:	Twisted Fibre construction 12 Strand Braided core 24 plait cover construction
Relative Density:	1.1 Exact figure varies with diameter
Chemical Resistance:	Excellent resistance to most chemicals (additional information available on request)
UV Resistance:	Good
Melting Point:	140°C
Critical Temperature:	80°C (exposure to temperatures over this will result in permanent strength loss)

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.

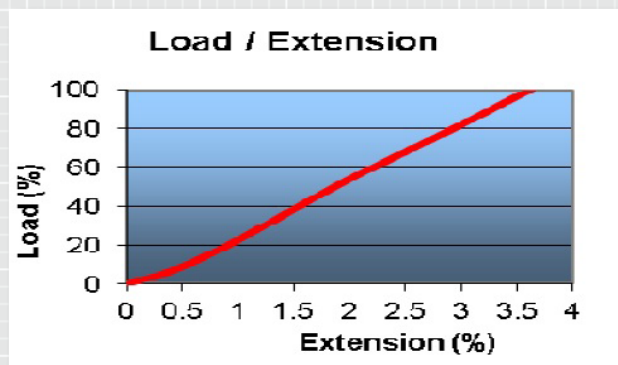
ELONGATION

Typical working elongation (for a bedded in a rope):

@ 10% of break load: 0.51%

@ 20% of break load: 0.89%

To break: 3.60%



PERFORMANCE

DIAMETER		CIRCUMFERENCE		MASS		AVERAGE STRENGTH			MIN STRENGTH		
mm	Inch	g/m	lb/100 ft	kg	lb	kN	kg	lb	kN		
4	5/32	9.9	0.66	1180	2610	11.6	1070	2350	10.5		
5	3/16	14.7	0.99	1710	3760	16.7	1540	3390	15.1		

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