

# Marlow<sup>®</sup> DATASHEET<sup>®</sup>

## EXCEL ELITE<sup>3</sup>



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



### Key Specifications:

<b>Application:</b>	Halyards, Backstrays, Runners
<b>Material:</b>	Dyneema <sup>®</sup> SK99 core Technora and Dyneema <sup>®</sup> blend cover
<b>Construction:</b>	Twisted Fibre construction 12 Strand Braided core 24 plait cover construction
<b>Relative Density:</b>	1.1 Exact figure varies with diameter
<b>Chemical Resistance:</b>	Excellent resistance to most chemicals (additional information available on request)
<b>UV Resistance:</b>	Good
<b>Melting Point:</b>	140°C
<b>Critical Temperature:</b>	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.

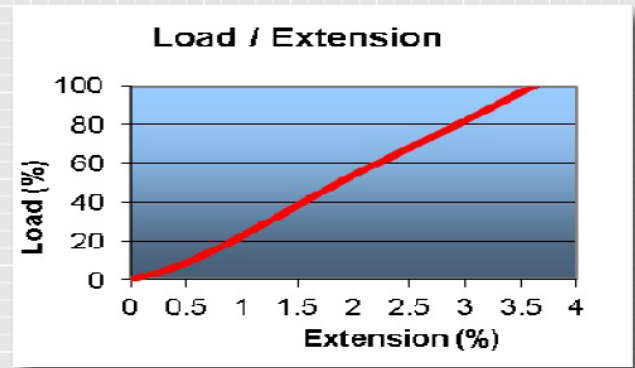
## ELONGATION

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			

Marlow Ropes Ltd  
Ropemaker Park  
Hailsham  
East Sussex, BN27 3GU  
England  
[www.marlowropes.com](http://www.marlowropes.com)

Marlow Ropes, Inc.  
Cordage Business Park  
Plymouth  
MA 02360  
USA

UK: +44 (0) 1323 444 444  
sales@marlowropes.com  
US: +1 508 830 444  
salesusa@marlowropes.com



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