

Marlow[®] DATASHEET

RAPTOR RIGGING

Raptor Rigging line is the next generation of lowering lines from Marlow. Using soft and supple DoubleBraid rope with colour coded ArmourCoat for reduced water uptake. The ArmourCoat also improves abrasion resistance by a massive 30%. Available in 12mm (blue), 14mm (green), 16mm (red) and 18mm (yellow) diameters for lowering lines and bull ropes.



Key Specifications:

Material:	Polyester
Lengths:	50m and 200m
Construction:	Double Braided
Colour:	Yellow, red, green and blue
Relative Density:	1.38
Chemical Resistance:	Good resistance to most chemicals
UV Resistance:	UV stabilised
Melting Point:	260°C
Terminations:	Doublebraide splice

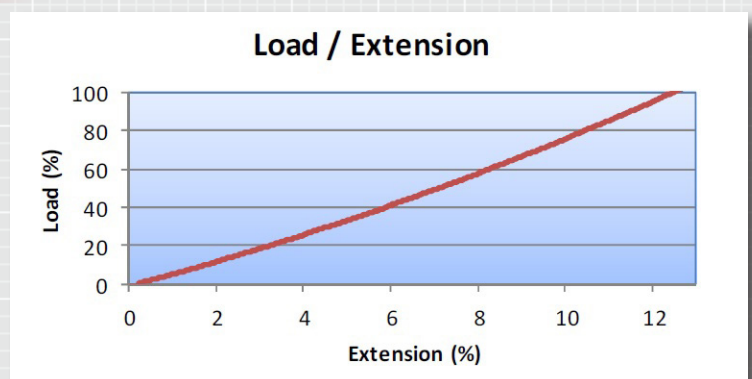
ELONGATION

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

@ 10% of break load: 1.70%

@ 20% of break load: 3.20%

To break: 12.40%



PERFORMANCE

DIAMETER	CIRCUMFERENCE	MASS		AVERAGE STRENGTH			MIN STRENGTH		
		mm	Inch	g/m	lb/100 ft	kg	lb	kN	kg
12	1/2	111	7.44	4760	10500	46.7	4380	9650	43.0
14	9/16	156	10.43	6050	13300	59.4	5570	12300	54.6
16	5/8	193	12.94	7230	15900	70.9	6650	14700	65.3
18	3/4	232	15.54	7910	17400	77.6	7280	16000	71.4

SPLICED ROPE PERFORMANCE

DIAMETER	CIRCUMFERENCE	AVERAGE STRENGTH			MIN STRENGTH		
		mm	Inch	kg	lb	kN	kg
12	1/2	4280	9450	42.0	3940	8690	38.7
14	9/16	5450	12000	53.5	5010	11100	49.1
16	5/8	6510	14300	63.8	5990	13200	58.8
18	3/4	7120	15700	69.8	6550	14400	64.3

WORKING LOAD LIMITS FOR SPLICED ROPES AT 7:1 UTILISATION FACTOR AS IN EN 1492-4:2004

DIAMETER	CIRCUMFERENCE	WORKING LOAD LIMITS		
		mm	Inch	kg
12	1/2	563	1240	5.5
14	9/16	716	1590	7.0
16	5/8	856	1890	8.4
18	3/4	936	2060	9.2

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