

Marlow

12 STRAND NYLON

Traditional 12-Strand Nylon ropes are used in numerous applications. Nylon has high elongation and a higher tenacity than polyester. Torque balanced construction with firm round profile, is easily spliced, and used for general working lines, secondary mooring lines, mooring pendants, and slings and strops.



Key Specifications:

APPLICATIONS

Mooring Pendants, Secondary Mooring Lines, General Working Lines, Slings, Strops

MATERIAL:

12 Strand Nylon

CONSTRUCTION:

Twisted fibre, 12 strand braided construction

RELATIVE DENSITY:

1.14 Exact figure varies with diameter

CHEMICAL RESISTANCE:

Good resistance to most chemicals, except acids (additional information available on request)

UV RESISTANCE:

UV stabilised

MELTING POINT:

220°C

TERMINATIONS

SPLICED EYE TERMINATION:

12 strand core splice

An allowance of 50x 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

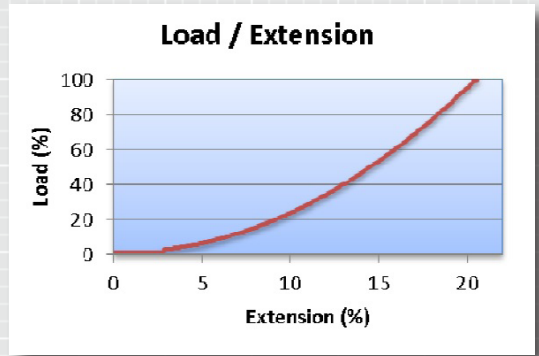
ELONGATION

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

@ 10% of break load: 6.30%

@ 20% of break load: 9.20%

To break: 20.5%



PERFORMANCE

DIAMETER		CIRCUMFERENCE		MASS		MIN STRENGTH		
mm	Inch	g/m	lb/100 ft	kg	lb	kN		
8	5/16	40	2.68	1430	3146	14.0		
10	13/32	63	4.19	2230	4906	21.9		
12	15/32	90	6.04	3212	7066	31.5		
14	9/16	123	8.25	4370	9614	42.9		
16	5/8	160	10.73	5710	12562	56.0		
18	3/4	203	13.61	7230	15906	70.9		
20	13/16	250	16.77	8667	19067	85.0		
22	7/8	303	20.32	10500	23100	103.0		
24	15/16	360	24.14	12032	26470	118.0		
28	1 1/8	490	32.86	16315	35893	160.1		
32	1 1/4	640	42.92	21617	47557	212.1		
36	1 27/64	810	54.32	27000	59400	264.9		
40	1 37/64	1000	67.06	32121	70666	315.1		
44	1 3/4	1210	81.15	38239	84126	375.1		
48	1 7/8	1440	96.57	45887	100951	450.2		
52	2 3/64	1700	114.01	54044	118897	530.2		
56	2 13/64	1970	132.11	61183	134603	600.2		
60	2 3/8	2260	151.56	68321	150306	670.2		
64	2 1/2	2570	172.35	76479	168254	750.3		
68	2 11/16	2901	194.55	86400	190080	847.6		
72	2 7/8	3250	217.95	96873	213121	950.3		
76	3	3621	242.83	118000	259600	1157.6		
80	3 5/32	4010	268.92	120326	264717	1180.4		
88	3 1/2	4860	325.92	142760	314072	1400.5		
96	3 3/4	5780	387.62	173352	381374.4	1700.6		
104	4 1/16	6780	454.69	193746	426241.2	1900.6		
112	4 3/8	7870	527.78	228416	502515.2	2240.8		
120	4 3/4	9030	605.58	254929	560843.8	2500.9		

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