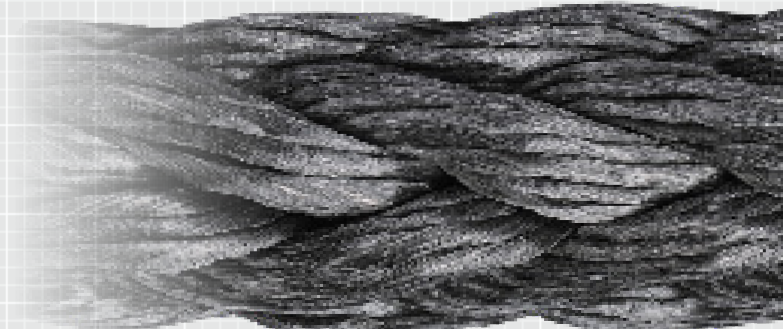


Marlow DATASHEET®

HM12+

Marlow HM12+ is a premium and versatile "all round" rope offering a lightweight, high strength and flexible alternative to steel wire and polyester ropes.

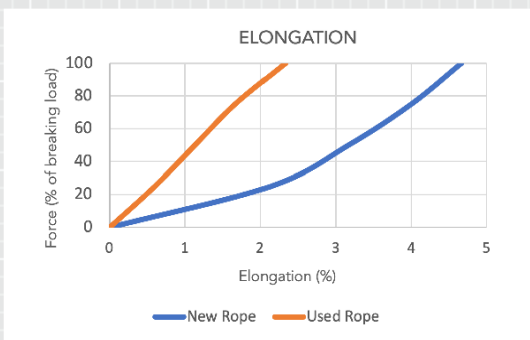
HM12+ has been designed to offer significantly improved strength, handling and service life and subsequently can provide a more cost effective solution compared to more traditional products.



Nominal Diameter		Mass (Weight)		Minimum Linear Strength ISO 2307			Minimum Spliced Strength			Grommet
mm	Inch	kg/m	lb/100 ft	kg	lb	kN	kg	lb	kN	kN
18	3/4	0.20	13	33,100	73,000	326	29,800	65,700	293	483
20	13/16	0.24	16	39,800	87,800	391	35,800	79,000	352	581
22	7/8	0.29	19	46,900	103,000	460	42,200	93,000	414	683
24	1	0.32	21	51,400	113,000	504	46,300	102,000	454	749
26	1 1/16	0.39	26	62,500	138,000	613	56,200	124,000	552	911
28	1 1/8	0.43	29	67,700	149,000	664	60,900	134,000	598	987
30	1 1/4	0.52	35	80,900	178,000	792	72,800	161,000	713	1,180
32	1 5/16	0.58	39	89,300	197,000	877	80,400	178,000	789	1,300
34	1 3/8	0.64	43	96,200	212,000	943	86,500	191,000	849	1,400
36	1 1/2	0.69	47	103,000	228,000	1,010	92,900	205,000	911	1,500
38	1 9/16	0.78	52	116,000	255,000	1,140	105,000	230,000	1,030	1,690
40	1 5/8	0.87	58	127,000	280,000	1,250	114,000	252,000	1,120	1,850
44	1 3/4	1.04	70	147,000	323,000	1,440	132,000	291,000	1,290	2,130
48	2	1.22	82	169,000	374,000	1,660	152,000	336,000	1,490	2,460
52	2 1/8	1.48	99	204,000	449,000	2,000	183,000	404,000	1,800	2,960
56	2 1/4	1.65	111	226,000	497,000	2,220	203,000	447,000	2,000	3,290
60	2 1/2	1.91	128	257,000	566,000	2,520	231,000	509,000	2,270	3,750
64	2 5/8	2.17	145	287,000	633,000	2,820	258,000	570,000	2,540	4,190
68	2 11/16	2.43	163	318,000	701,000	3,110	286,000	631,000	2,800	4,620
72	2 13/16	2.78	186	361,000	795,000	3,540	325,000	715,000	3,180	5,250
76	3 1/8	3.04	204	392,000	863,000	3,840	352,000	777,000	3,460	5,710
80	3 3/16	3.39	227	435,000	958,000	4,260	391,000	863,000	3,840	6,330

Ropes designed in accordance with ISO 10325:2018

Linear MBL refers to unspliced ropes determined in accordance with ISO2307:2019



Key Specifications:

Material: HMPE (High Modulus Polyethylene)
Construction: 12 x 1 single braid construction
Coating: Marlow ArmourCoat Polyurathane
Relative Density: 0.97 (floats)
Chemical Resistance: Excellent resistance to most chemicals
UV Resistance: Very good
Melting Point: 140°C
Critical Temperature: 80°C (exposure to temperatures over this will result in permanent strength loss)

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 ISO 9001
 ISO 14001

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