

Marlow

D12 75 & 78

Marlow D12 75 & D12 78 is a premium lightweight, high strength, low elongation "all round" rope manufactured using Dyneema® SK75 or SK78, delivering high strength strength, stiffness, durability and longevity.

D12 75 and 78 have identical strength and elongation, but in permanent load situations D12 78 (utilising SK78) exhibits industry leading low creep (permanent elongation from extended time under load), bettered only by Dyneema's own DM20 material.

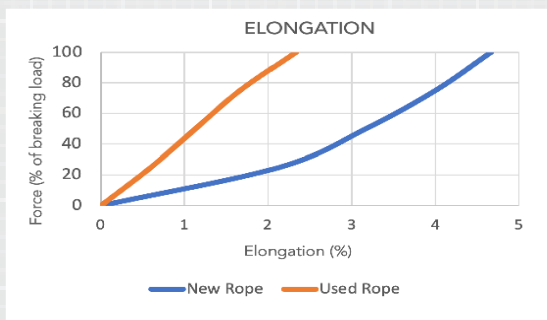
Manufactured using a 12x1 12-strand construction and colour coated with Marlow's proprietary ArmourCoat, D12 is pre-stretched to reduce constructional stretch and bedding-in issues on first use. D12 has a multitude of uses and applications in commercial and leisure applications from lifting and winching to lashings and purchase systems. Primarily, D12 can be seen as a credible alternative to steel wire.



DIAMETER		MASS		AVERAGE STRENGTH			MIN STRENGTH		
mm	Inch	g/m	lb/100 ft	kg	lb	kN	kg	lb	kN
2.5	7/64	3.7	0.25	569	1250	5.6	512	1080	4.8
3	1/8	5.3	0.36	995	2190	9.8	896	1880	8.4
3.5	9/64	7.4	0.50	1430	3160	14.1	1291	2360	10.5
4	5/32	9.8	0.66	2060	4530	20.2	1850	4080	18.1
5	3/16	12.8	0.86	2360	5190	23.1	2120	4670	20.8
6	7/32	17.7	1.19	3490	7690	34.2	3138	6920	30.8
7	1/4	28	1.88	5360	11800	52.6	4824	10900	48.4
8	5/16	33	2.21	6330	14000	62.1	5697	12600	55.9
9	3/8	37.6	2.52	6940	15300	68.1	6246	13800	61.3
10	13/32	48.3	3.24	9270	20400	91.0	8347	18800	83.7
11	7/16	58.2	3.90	11600	25600	113.7	10433	23500	105
13	1/2	80	5.37	15900	34900	155.5	14266	31500	140
15	9/16	98	6.57	18400	40600	180.7	16576	36500	163
16	5/8	118	7.91	21100	46500	207.0	18989	41900	186
18	23/32	143	9.59	25200	55400	246.7	22635	49900	222.0
20	13/16	180	12.07	33500	73900	329.0	29000	63900	284
22	7/8	216	14.49	38800	85600	321	33400	73600	327

Ropes designed in accordance with ISO 10325:2018

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



Key Specifications:

- Material:** Dyneema SK75 & 78
- 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)
- Creep:** Creep is a factor of load, temperature and time. Increasing any of these factors will increase creep.

Marlow Ropes Ltd
Ropemaker Park
Hailsham
East Sussex, BN27 3GU
England
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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Certificate Number 315
ISO 9001
ISO 14001