

Marlow[®] DATASHEET

D12 MAX SK75 SK78

D12 MAX SK75/SK78 is premium, light weight, high strength braided rope produced from DSM Dyneema's SK75 or SK78 fibres. The SK78 product has superior resistance to creep (permanent elongation resulting from extended time under load).



MATERIAL

MANUFACTURED FROM DYNEEMA SK75 (D12 SK75 ONLY):

- Light weight
- High strength
- Low stretch
- Good resistance to chemicals and UV

MANUFACTURED FROM DYNEEMA SK78 (D12 SK78 ONLY):

- Lowest creep HMPE fibre
- Light weight
- High strength
- Low Stretch
- Good resistance to chemicals and UV
- Dyneema SK75 or Dyneema SK78 (Ultra high modulus Polyethylene)
- Single twisted (large strands are double twisted)
- 12 Strand Braided
- Colour coated with 'ArmourCoat' Polyurethane
- Heat set and pre-stretched

MATERIAL:

STRAND:

BRAID:

COATING:

PRE-STRETCH:

CONSTRUCTION

TWISTED FIBRE CONSTRUCTION:

- Improved abrasion resistance
- Firmer round rope, aids handling and works better with cleats and jammers

12 STRAND BRAIDED CONSTRUCTION:

- Pitch (lay) optimised to work with the yarn twist
- Improved strength
- Easier to splice
- Flexible product

HEAT SET AND PRE-STRETCHED:

- Improved strength
- Lower stretch
- Easier to splice, as residual stress removed from fibres

COATING OPTIONS

ARMOURCOAT POLYURETHANE COATED:

- Improves abrasion resistance and durability
- Increases friction, aids handling & works better with cleats and jammers

PROPERTIES

RELATIVE DENSITY:

0.97 (floats)

CHEMICAL RESISTANCE:

Excellent resistance to most chemicals

N.B. KNOTS WILL SIGNIFICANTLY REDUCE THE STRENGTH OF ANY ROPE. THIS PRODUCT WILL TYPICALLY RETAIN APPROXIMATELY 30% OF ITS STRENGTH IF TERMINATED WITH A KNOT. THE EXACT

PERFORMANCE

Note: D12 MAX is tested by Marlow with spliced eye termination.

DIAMETER		MASS		AVERAGE STRENGTH			MIN STRENGTH		
mm	Inch	g/m	lb/100 ft	kg	lb	kN	kg	lb	kN
2.5	3/32	4.5	0.30	1010	2220	9.9	935	2060	9.2
3	1/8	6.8	0.46	1510	3320	14.8	1400	3090	13.7
4	5/32	11.1	0.74	2480	5460	24.3	2300	5080	22.6
5	3/16	15.6	1.05	3200	7050	31.4	2980	6560	29.2
6	7/32	22.3	1.50	4570	10100	44.8	4250	9380	41.7
7	1/4	35.6	2.39	7510	16600	73.7	6980	15400	68.5
8	5/16	44.5	2.98	9390	20700	92.1	8730	19200	85.6
9	3/8	54	3.62	10800	23800	106	10000	22100	98.1
10	13/32	63	4.22	12600	27800	124	11700	25800	115
11	7/16	75.5	5.06	15100	33300	148	14100	31000	138
12	15/32	90	6.04	18000	39700	177	16700	36900	164
13	1/2	107	7.18	21100	46600	207	19700	43400	193
15	9/16	134	8.99	26400	58300	259	24600	54200	241
17	11/16	184	12.34	32900	72400	323	30600	67211	300

Marlow Ropes Ltd
Ropemaker Park
Hailsham
East Sussex, BN27 3GU
England

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

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

Disclaimer

Marlow Ropes Ltd endeavours to ensure that all products are manufactured to the highest standard, these guidelines are not intended and do not create any warranties, express or implied. Marlow Ropes Ltd expressly disclaims warranties or representations of any kind, express or implied, including the implied warranties of merchantability and fitness for a particular purpose. Marlow Ropes Ltd shall not be liable for any consequential, incidental or contingent damages whatsoever stemming from the use of these guidelines. Marlow Ropes Ltd has a policy of continual improvement which may result in specification and colour changes without prior notice.



Certification Number 315
ISO 9001