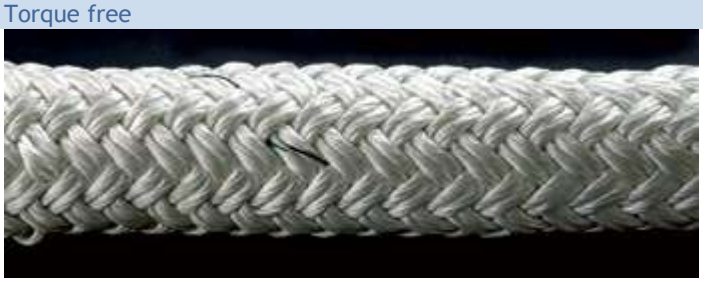
Double Braided

Double braided (two in one braidline) ropes are designed from 100% high tenacity multifilament fibre. The rope is made by braiding a sheat over a braided hollow core. Double braided rope offers size for size greater strength than conventional 3- or 8-strand ropes. The central core contributes to the major part of the breaking strength. The outer sheat completes the strength and garanties the abrasion resistance of the rope. This special process of balanced twist and braiding results in a rope with superior features.
Ideal rope for use on hauling winches due to a bigger contact surface and perfect spooling on storage drums.

- Excellent weight/strength ratio
- Compact splice
- Flexible
- Abrasion resistant
- Torque free



Construction

Two in one braidline
Polypropylene multifilament on request

Standard colour

White
Black and navy blue on request

Properties

Nylon (Polyamide)

Relative density	1,14
Temperature resistance	Can be used below 0°C
	Melting point 218°C (Nylon 6)
UV resistance	Excellent - fully stabilised
Extension	Breaking stretch of 35%
	A lot of energy is stored in the rope - mind the security of people
Flexibility	Soft and flexible - becomes harder in use
Chemical resistance	Good resistance to alkalis - limited to acids

Polyester

Relative density	1,38
Temperature resistance	Flexible down to -40°C
	Melting point 260°C
UV resistance	Excellent - fully stabilised
Extension	Breaking stretch of 22% wet or dry
Flexibility	Remains flexible - no water absorption
Chemical resistance	Good - except to alkalis

Length measured under reference tension according to EN ISO 9554

Typical applications

Mooring lines - Deep sea towing - Single point mooring - Tension winch mooring - Mooring ropes for super yachts

Double Braided Nylon

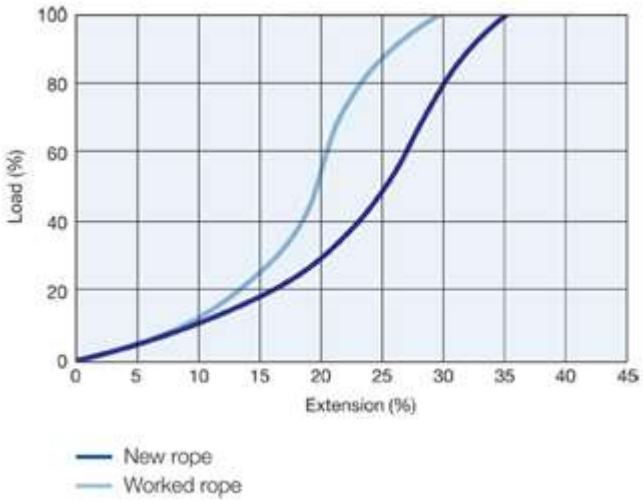
Diam. Ø	Circ./	Mass	Min. breaking load	
mm	inch "	kg/100m	T	kN
8	1	4	1,52	14,9
10	1 ¼	6,2	2,36	23,2
12	1 ½	9	3,39	33,3
14	1 ¾	12,2	4,60	45,2
16	2	16	5,99	58,7
18	2 ¼	20,2	7,58	74,3
20	2 ½	24,8	9,34	91,6
22	2 ¾	30,1	11,3	111
24	3	35,7	13,5	132
26	3 ¼	42	15,8	155
28	3 ½	48,6	18,3	179
30	3 ¾	56	21,0	206
32	4	63,5	23,8	234
36	4 ½	80,4	30,1	295
40	5	98,8	36,9	362
44	5 ½	120	44,6	437
48	6	143	53,0	520
52	6 ½	168	62,0	608
56	7	195	71,7	704
60	7 ½	223	82,0	805
64	8	254	93,2	914
68	8 ½	271	101	995
72	9	321	118	1158
76	9 ½	361	134	1313
80	10	397	145	1420
88	11	481	175	1712
96	12	572	207	2034
104	13	667	241	2366
112	14	747	274	2688
120	15	890	319	3133
128	16	985	357	3500
144	18	1262	452	4430
168	21	1719	608	5960
192	24	2257	790	7748
216	27	2850	992	9728
240	30	3520	1221	11981

Double Braided Polyester

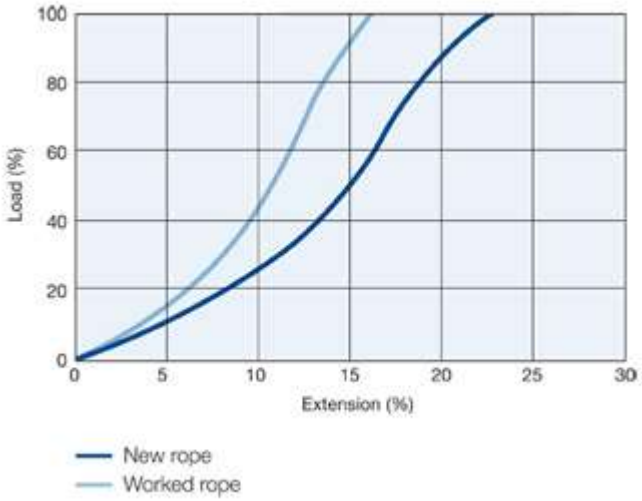
Diam. Ø	Circ./	Mass	Min. breaking load	
mm	inch "	kg/100m	T	kN
8	1	5,1	1,48	14,5
10	1 ¼	8	2,27	22,3
12	1 ½	11,5	3,23	31,7
14	1 ¾	15,6	4,35	42,7

16	2	20,4	5,64	55,3
18	2 ¼	25,8	7,07	69,4
20	2 ½	32	8,66	85
22	2 ¾	38,6	10,4	102
24	3	46	12,3	121
26	3 ¼	54	14,4	141
28	3 ½	62,5	16,6	163
30	3 ¾	71,7	19,0	186
32	4	81,6	23,1	227
36	4 ½	103	28,1	275
40	5	128	34,2	335
44	5 ½	154	40,1	393
48	6	184	48,4	475
52	6 ½	216	55,5	544
56	7	250	63,5	623
60	7 ½	287	74,6	732
64	8	326	83,0	814
68	8 ½	375	95	936
72	9	413	105	1030
76	9 ½	467	119	1164
80	10	510	129	1267
88	11	617	154	1515
96	12	735	180	1767
104	13	862	208	2045
112	14	1000	240	2352
120	15	1150	275	2693
128	16	1310	310	3040
144	18	1650	388	3810
168	21	2250	523	5130
192	24	2940	681	6680
216	27	3730	854	8380
240	30	4600	1050	10300

Load VS Extension Nylon



Load VS Extension Polyester


100
80
60
40
20
0
Load (%)
0
5
10
15
20
25
30
Extension (%)
New rope
Worked rope