

PRODUCT INFORMATION

TEXTILE ROPE

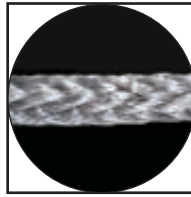
dynaflex

dynaflex 12

12-strand circlebraid

Nominal Rope-Size (~mm Ø)	Nominal Rope Circ. ~" inch	Rope Weight ~ kg/m	Minimum Breaking Force	
			kN	tf
24	3	0,33	595	60,8
28	3 ½	0,42	739	75,6
32	4	0,60	1030	105
36	4 ½	0,74	1210	123
40	5	0,90	1450	148
44	5 ½	1,07	1680	171
48	6	1,26	1950	199
52	6 ½	1,46	2220	226
56	7	1,67	2540	260
60	7 ½	1,90	2830	290
64	8	2,15	3140	321
68	8 ½	2,41	3470	355
72	9	2,68	3810	389
80	10	3,60	4890	500
88	11	4,28	5650	577
96	12	5,02	6330	646
104	13	5,97	7260	732
112	14	6,97	8340	841
120	15	8,07	9320	955
128	16	9,26	10500	1076
136	17	10,5	11600	1209
144	18	11,9	12900	1342

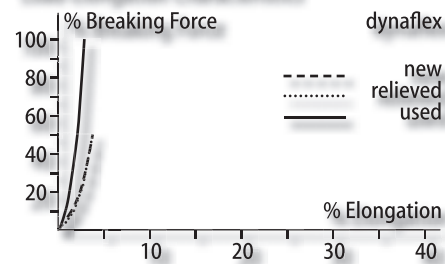
Material: High modulus polyethylene without jacket
 Specific Gravity: ~ 0,97
 Melting Point: 145°C
 Operating Temperature: 70°C (max./continuous use)



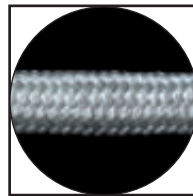
Amazing...

Extremely high tensile strength, almost like steel, very flexible, high fatigue bending stability, very low elasticity, floats. But: limited wear resistance, low creep behaviour.

Load-Elongation Characteristics



This page shows 12 strand circular braids suitable for use on winches, therefore the recommended rope construction. This rope material is also available with identical weight and breaking force in the traditional construction as 8-strand plait.



Variations...

There is no standard for this, hence figures are only typical and may vary depending on application.

dynaflex 12 pro

Jacketed 12-strand circlebraid

Nominal Rope-Size (~mm Ø)	Nominal Rope Circ. ~" inch	Rope Weight ~ kg/m	Minimum Breaking Force	
			kN	tf
24	3	0,34	394	50,2
28	3 ½	0,45	536	66,9
32	4	0,60	697	85,4
36	4 ½	0,75	885	106
40	5	0,93	1100	112
44	5 ½	1,11	1400	143
48	6	1,32	1700	173
52	6 ½	1,54	1980	202
56	7	1,79	2350	240
60	7 ½	2,04	2690	275
64	8	2,31	3000	307
68	8 ½	2,59	3380	346
72	9	2,90	3760	384
80	10	3,55	4280	437
88	11	4,31	5180	529
96	12	5,09	5860	598
104	13	5,92	6660	771

Material: High modulus polyethylene with jacket
 Specific Gravity: ~ 0,97
 Melting Point: 145°C
 Operating Temperature: 70°C (max./continuous use)