

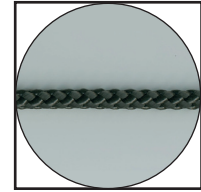
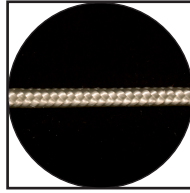
PRODUCT INFORMATION

TEXTILE ROPE**Small size braided fibre ropes**

PA rope

Braided

Nominal Rope-Size	Rope Weight	Minimum Breaking Force	
		kN	kgf
mm	~ kg/m		
1	0,001	0,30	31
2	0,002	0,93	95
3	0,005	1,57	160
4	0,009	2,70	275
5	0,014	4,18	426
6	0,020	6,10	622
8	0,036	10,9	1110
10	0,056	16,7	1700
12	0,081	24,3	2480
14	0,110	32,0	3260
16	0,143	42,6	4350
20	0,225	65,7	6700
24	0,320	94,6	9650



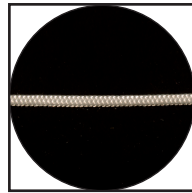
PP multifil rope

Braided

Nominal Rope-Size	Nominal Rope Circ.	Minimum Breaking Force	
		kN	kgf
mm	~ kg/m		
1	0,001	0,30	31
2	0,002	0,70	71
3	0,004	1,50	153
4	0,007	3,90	398
5	0,010	3,25	332
6	0,016	5,20	530
8	0,026	9,00	918
10	0,040	13,0	1330
12	0,055	18,0	1840
14	0,079	24,0	2450
16	0,102	30,0	3060
20	0,157	47,0	4800
24	0,225	67,0	6830

Material: Polypropylene (PP3)
 Specific Gravity: 0,91
 Melting Point: 165°C
 Operating Temperature: 70°C (max./continuous use)

Material: Polyamide
 Specific Gravity: 1,14
 Melting Point: 250°C
 Operating Temperature: 80°C (max./continuous use)



PES rope

Braided

Nominal Rope-Size	Rope Weight	Minimum Breaking Force	
		kN	kgf
mm	~ kg/m		
2	0,002	0,75	77
3	0,006	1,50	153
4	0,011	2,60	265
6	0,024	5,90	602
8	0,044	10,3	1050
10	0,068	16,3	1660
12	0,098	22,9	2340
14	0,133	30,3	3090
16	0,174	39	3980
20	0,272	59	6020
24	0,390	82	8370

Material: Polyester
 Specific Gravity: 1,38
 Melting Point: 260°C
 Operating Temperature: 100°C (max./continuous use)

For information on density (specific weight), resistance to UV radiation and rotting/mould, as well as relative wet strength, see technical specifications on twisted rope types on previous pages. Minimum breaking forces for circular braided ropes (form E) in tables on this page. Kernmantle braid (form K) has 25% higher breaking force, spiral braided rope (form H) 20% higher breaking force than circular braided rope of same diameter. Rope weight of all three types is same. Elongation behaviour is dependent on material, type, braid length and yarn quality. Concerning elongation values of twisted ropes (previous pages): Elongation at breaking of circular braided rope is 60-80% of twisted rope made of same material, kernmantel braided rope 20-50%, spiral braided rope 100-130%.

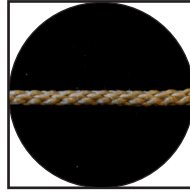
The rope weight is defined as the linear rope mass under pretension. Permissible limit deviation 6-8mm ±10%, 10-14mm ±8%, above these ±5%. The nominal rope size is the approximate rope diameter in mm. Minimum breaking forces determined according to current ISO standard. (Test result meets requirement if break occurs either at 100% of relevant value when linear (unspliced), or minimum 90% at splice).

PP staple fibre rope

Braided

Nominal Rope-Size	Nominal Rope Circ.	Minimum Breaking Force	
mm	~ kg/m	kN	kgf
3	0,004	0,65	66,3
4	0,006	1,35	138
6	0,014	2,95	301
8	0,023	4,70	479
10	0,037	7,40	755
12	0,052	10,4	1060
16	0,090	18,0	1840

Material: Polypropylene (PP1)
 Specific Gravity: 0,91
 Melting Point: 165°C
 Operating Temperature: 70°C (max./continuous use)



Supple...
 Common type circular braids.
 Light, flexible, twist-free, kink-free.
 But: splicing difficult or impossible.
 (Applies also to opposite page)

i MORE...

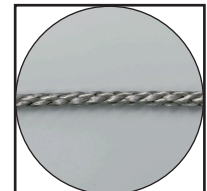
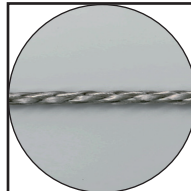
Anything missing? Any important information or a similar product, a different size or a solution for your special needs?
 Ask us.

dynafil

Braided

Nominal Rope-Size	Nominal Rope Circ.	Minimum Breaking Force	
mm	~ kg/m	kN	kgf
4	0,008	12,3	1260
5	0,014	19,3	1970
6	0,020	27,5	2810
8	0,040	49,1	5010
10	0,066	76,3	7790
12	0,085	109	11100
14	0,105	143	14600
16	0,127	184	18800
18	0,165	230	23500

Material: High Modular Polyethylene
 Specific Gravity: ~ 0,97
 Melting Point: 145°C
 Operating Temperature: 50°C (max./continuous use)



dynafil plus

Braided

Nominal Rope-Size	Nominal Rope Circ.	Minimum Breaking Force	
mm	~ kg/m	kN	kgf
4	0,009	17,7	1810
5	0,016	27,6	2820
6	0,022	39,8	4060
8	0,044	70,9	7240
10	0,075	110	11200
12	0,096	158	16100
14	0,135	216	22000
16	0,153	288	28900

Material: High Modular Polyethylene
 Specific Gravity: ~ 0,97
 Melting Point: 145°C
 Operating Temperature: 50°C (max./continuous use)

aracor

Braided

Nominal Rope-Size	Nominal Rope Circ.	Minimum Breaking Force	
mm	~ kg/m	kN	kgf
4	0,011	14,7	1500
5	0,020	23,0	2350
6	0,028	33,1	3380
8	0,050	58,8	6000
10	0,080	91,9	9380
12	0,012	133	13600

Material: Aromatic Polyamide
 Specific Gravity: ~ 1,44
 Melting Point: 415°C
 Operating Temperature: 130°C (max./continuous use)

