

PRODUCT INFORMATION

TEXTILE ROPE

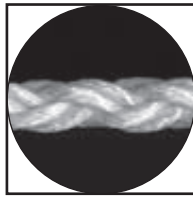
Synthetic standard type square plaited ropes

PA rope

8-strand square plaited

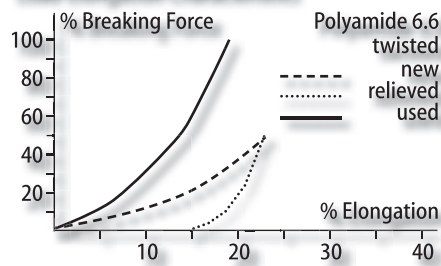
Nominal Rope-Size (~mm Ø)	Nominal Rope Circ. ~" inch	Rope Weight ~ kg/m	Minimum Breaking Force	
			kN	kgf
40	5	0,99	294	30000
44	5½	1,20	351	35800
48	6	1,42	412	42000
52	6½	1,66	479	48900
56	7	1,93	549	55600
60	7½	2,21	626	63900
64	8	2,52	706	72000
68	8½	2,84	786	80200
72	9	3,19	882	90000
76	9½	3,55	982	100000
80	10	3,94	1080	110000
88	11	4,77	1280	131000
96	12	5,68	1510	154000
104	13	6,66	1790	183000
112	14	7,72	2060	210000
120	15	8,87	2350	240000
128	16	10,1	2670	272000

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



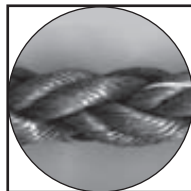
Origins...
 Polypropylene for normal mooring,
 polyester when looking for wear
 resistance, polyamide for maximum
 elasticity when towing.
 (Applies also to opposite page)

Load-Elongation Characteristics



PP rope standard type

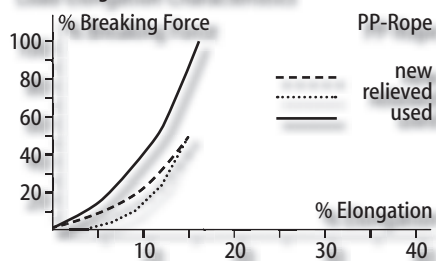
8-strand square plaited (split/monofil)



Nominal Rope-Size (~mm Ø)	Nominal Rope Circ. ~" inch	Rope Weight ~ kg/m	Minimum Breaking Force	
			kN	kgf
40	5	0,72	201	20500
44	5½	0,88	241	24600
48	6	1,04	280	28600
52	6½	1,22	324	33000
56	7	1,42	371	37800
60	7½	1,63	424	43200
64	8	1,85	480	49000
68	8½	2,09	538	54900
72	9	2,34	603	61500
76	9½	2,62	669	68200
80	10	2,90	741	75600
88	11	3,51	889	90700
96	12	4,17	1050	107000

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

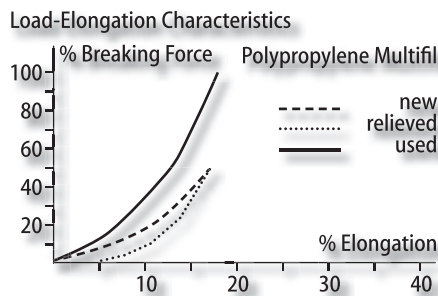
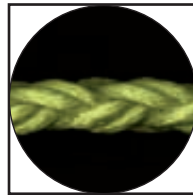
Load-Elongation Characteristics



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, the nominal rope circumference the approximate rope circumference in inches. Due to mode of construction the actual rope diameter of new square braided rope can be up to 25% higher than the nominal diameter. 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).

Rules and standards...

Even if not specifically indicated:
Compliance with standards (ISO, EN, DIN)
and rules; state of the art technical product
properties.



PP Multifil rope

8-strand square braided - high-strength -

Nominal Rope-Size (~mm Ø)	Nominal Rope Circ. ~" inch	Rope Weight ~ kg/m	Minimum Breaking Force	
			kN	kgf
40	5	0,72	233	23800
44	5½	0,88	278	28400
48	6	1,04	327	33400
52	6½	1,22	379	38700
56	7	1,42	436	44500
60	7½	1,63	495	51800
64	8	1,85	558	56900
68	8½	2,08	622	63400
72	9	2,34	692	70600
76	9½	2,61	760	77500
80	10	2,90	850	86700
88	11	3,51	1010	103000
96	12	4,17	1190	121000

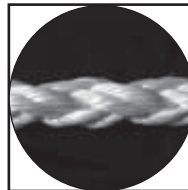
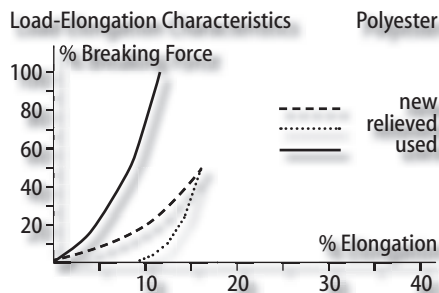
Material: Polypropylene multifil
Specific Gravity: 0,91
Melting Point: 165°C
Operating Temperature: 70°C (max./continuous use)

PES rope

8-strand square plaited

Nominal Rope-Size (~mm Ø)	Nominal Rope Circ. ~" inch	Rope Weight ~ kg/m	Minimum Breaking Force	
			kN	kgf
40	5	1,21	235	24000
44	5½	1,47	279	28500
48	6	1,75	329	33600
52	6½	2,05	384	39200
56	7	2,38	439	44800
60	7½	2,73	489	49900
64	8	3,10	568	57900
68	8½	3,51	640	65300
72	9	3,93	707	72100
76	9½	4,38	788	80400
80	10	4,85	867	88400
88	11	5,87	1040	106000
96	12	6,99	1230	125000

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



Ships...

Shown here: typical ropes used on board

