

Southern Ropes Polyester Rope



High-tenacity polyester rope with manufacturer data for 3-strand hawser lay and 8- or 12-strand braid. The selected tables cover diameters up to 100 mm. Confirm construction, diameter, required length and end treatment when requesting a quotation.

Sinking fibre | UV and abrasion resistance | Strength retained when wet, as stated by manufacturer | 220 m manufacturer reference reel

Manufacturer illustration; colour and supplied configuration are confirmed at quotation.



3-Strand Hawser Lay

Breaking load is not a working load limit (WLL). An appropriate safety factor and application-specific technical review are required. No WLL is derived from this table.

Diameter (mm)	Mass per reel (kg)	Breaking load (kg)*
6	6.5	850
8	11.6	1,450
10	18	2,290
12	26	3,450
14	35.3	4,400
16	46	6,000
18	58.3	7,000
20	72	8,400
22	87	10,800
24	104	12,500
26	122	14,250
28	141	16,500
30	162	18,700
32	184	20,800
36	233	25,700
38	260	28,350
40	288	35,000
42	317	38,580
44	348	42,340
46	380	46,270

Manufacturer reference reel length: 220 m. Reel mass applies to this construction and this reference length; do not use it for a different cut length or construction.

* Breaking load: source unit kg, reproduced without conversion to kgf, kN or WLL.

See the final page for quotation inputs and source/compliance notes.

Polyester Rope



8-Strand Braid

Breaking load is not a working load limit (WLL). An appropriate safety factor and application-specific technical review are required. No WLL is derived from this table.

Diameter (mm)	Mass per reel (kg)	Breaking load (kg)*
32	184	20,800
36	233	25,700
38	260	28,350
40	288	35,000
44	348.5	37,600
48	414.7	42,100
50	450	53,450
56	565	59,800
60	648	68,600
64	737	81,000
68	832	89,000
72	933	99,000
76	1,037	104,000
80	1,152	116,000
82	1,210	120,000
84	1,270	125,000
88	1,393	135,000
92	1,522	147,550
96	1,657	160,600
100	1,798	174,300

Manufacturer reference reel length: 220 m. Reel mass applies to this construction and this reference length; do not use it for a different cut length or construction.

* Breaking load: source unit kg, reproduced without conversion to kgf, kN or WLL.

See the final page for quotation inputs and source/compliance notes.

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12-Strand Braid

Breaking load is not a working load limit (WLL). An appropriate safety factor and application-specific technical review are required. No WLL is derived from this table.

Diameter (mm)	Mass per reel (kg)	Breaking load (kg)*
8	11.6	1,595
10	18	2,519
12	26	3,795
14	35.3	4,840
16	46	6,600
18	58.3	7,700
20	72	8,140
22	87	11,880
24	104	13,750
26	122	15,675
28	141	18,150
30	162	20,570
32	184	22,880
36	233	28,270
38	260	31,185
40	288	38,500
44	348.5	41,360
48	414.7	46,310
50	450	58,795
56	565	65,780
60	648	75,460
64	737	85,500
68	832	96,000
72	933	107,200
80	1,152	131,300
88	1,394	157,800
96	1,659	186,600

Manufacturer reference reel length: 220 m. Reel mass applies to this construction and this reference length; do not use it for a different cut length or construction.

* Breaking load: source unit kg, reproduced without conversion to kgf, kN or WLL.

Selection and quotation

For a quotation, specify construction or braid form, diameter, required length, quantity, colour, end treatment, application and relevant loads or environmental conditions. Confirm the supplied pack/reel length and documentation with Engineering Supplies.

Manufacturer data sheet lists ISO 1141. No independent product certification is asserted.

Technical basis: Southern Ropes manufacturer product data sheet, September 2026. Figures retain the manufacturer's original units; specifications may change. Source reference: southernropes.com/pages/product-data-sheets.