

Soft Shackles

Engineered for performance and designed for versatility, Southern Ropes Soft Shackles offer a lightweight and dependable connection solution for modern rope systems. Manufactured from high-strength HMPE fibre, they deliver outstanding strength while being significantly lighter than comparable steel shackles.

The soft construction helps protect equipment from impact damage, eliminates corrosion issues, and improves handling efficiency. Whether used in marine, offshore, industrial, recovery, or recreational applications, Southern Ropes Soft Shackles provide a practical, high-performance alternative to traditional hardware.

FEATURES:

- Extreme strength-to-weight ratio, more than 50% lighter than conventional steel shackles.
- No tools required.
- Safer than conventional shackles (low risk of explosive disintegration).
- Abrasion resistant
- Low elongation

APPLICATIONS:

- Conventional shackle replacement
- Salvage
- Heavy vehicle towing & recovery
- Heavy lifting
- Connecting links

TECHNICAL:

- Ultra-high molecular weight polyethylene
- 32 cN/dtex tenacity
- 3.5% elongation at break
- 0.98 g/ cm³ density

OPTIONS:

- 30 - 500 tonne break load (higher break loads available on request)
- Minimum length dependent on break load
- Silver-grey colour as standard (other colours available on request)
- protective cover braid
- Additional protective coating
- Proof loading with certificate



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HMPE base Rope Code (a)	Line Density (b) of HMPE		MBL (c) of HMPE Base Rope (Eye Spliced)	MBL of Soft Shackle (d)			
	Nominal value	Deviation		1 Turn	2 Turns	3 Turns	4 Turns
	Ktex	%		Tonnes	Tonnes	Tonnes	Tonnes
3	5.5	+/- 8%	1.3	2	3	4	7
4	9.8		2.2	3	5	7	11
5	15.3		3.1	5	7	10	16
6	22.1	+/- 5%	3.6	5	8	12	18
8	39.3		6.2	9	14	21	31
10	59.1		9.5	14	21	32	48
12	85.1		13.5	20	30	46	68
16	151.3		23.0	35	52	78	116
20	227.3		34.0	51	77	115	172
22	275.0		40.5	61	91	137	205
24	327.3		47.0	71	106	159	238
26	384.1		54.0	81	122	182	273
28	445.5		61.5	92	138	208	311
30	499.1		70.0	105	158	236	354
32	567.9		78.0	117	176	263	395
34	641.1		87.0	131	196	294	440
36	718.7		96.0	144	216	324	486

(a) The rope code corresponds to its approximate diameter in millimetres.

(b) Line density (in Ktex) corresponds to the net mass of the rope per unit length and is expressed in grams per metre or kilograms per kilometre.

(c) MBL are measured in accordance with the test methods and under the test conditions specified in ISO 2307 and do not represent actual breaking strengths under other application conditions and uses.

(d) MBL of soft shackles is determined at D/d 3 and does not represent the actual breaking strength under other application conditions and uses.

