

SUPERIOR WITH DYNEEMA SK78®

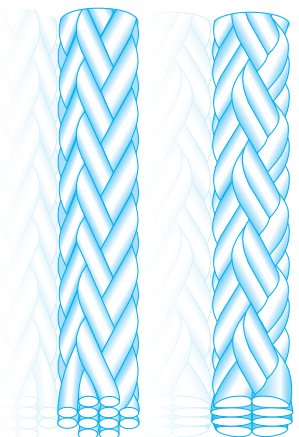
CONSTRUCTION

Superior is an 8- or 12-strand braided rope made of Dyneema® SK78. Superior has a very high strength and low weight-to-diameter ratio. It is stronger than conventional steel wire, yet the weight is 8 to 10 times lower. The rope has very good abrasion resistance and is used in applications where ease in handling and operation is important.

The rope consists of an equal number of interwoven clockwise and anti-clockwise strands making the rope torque free.

During production the rope is standard polyurethane coated using a specialized coating procedure that limits the abrasion and thus significantly extends the lifecycle of the ropes. Other coatings can be applied to suit specific applications.

The rope can also be overbraided with a protective jacket or covered with protection sleeves.



FEATURES

- Construction: 8- or 12-strand braided rope made with Dyneema® SK78
- Torque neutral
- Specific density: 0.975kg/m³ (floating)
- Melting point: 145°C
- Abrasion resistance: excellent
- Elastic elongation at WLL: +/- 1%
- UV Resistance: excellent
- Chemical resistance: excellent
- Water absorption: 0%
- Colour: standard white

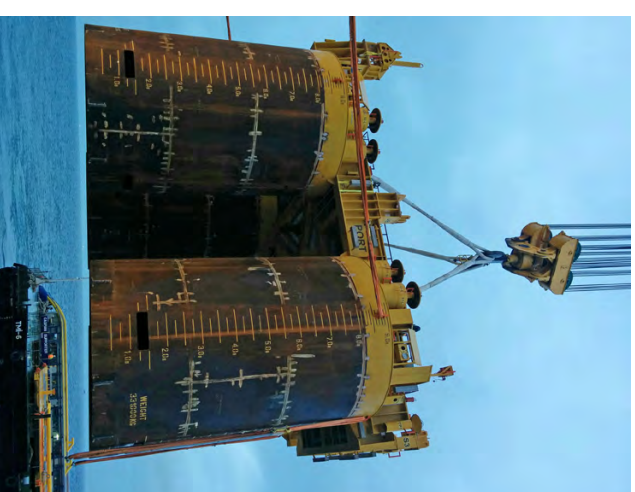
APPLICATIONS

- Heavy lift, slings, pennant, A&R recovery, forerunner, deepwater lowering line, pull-in rope, ...

SECTORS

- Onshore and offshore oil and gas installation
- Subsea installation
- Offshore renewable
- Decommissioning and salvage

Diameter	Weight	MBL		MBL	
		Single	kN	mT	Grossnet
32	0.60	94	926	151	1482
40	0.90	133	1.302	212	2.094
48	1.26	179	1.739	287	2.812
56	1.67	233	2.294	373	3.656
64	2.15	288	2.826	461	4.520
72	2.68	349	3.425	559	5.481
80	3.60	449	4.406	719	7.050
88	4.28	518	5.065	829	8.128
96	5.02	580	5.693	928	9.108
104	5.82	686	6.538	1.069	10.458
112	6.68	754	7.398	1.207	11.837
120	7.60	847	8.308	1.355	13.293
128	8.58	945	9.268	1.512	14.828
140	10.17	1.101	10.803	1.762	17.285
156	11.59	1.239	12.159	1.989	19.454
160	13.10	1.385	13.586	2.216	21.738



Remarks:

- Single strengths are for spliced ropes
- Single leg sling strengths are for D/d ratio in the eyes > 2. See p14 for strength for lower D/d ratios
- Grossnet sling strengths are for D/d ratio > 2.5. See p14 for strengths for lower D/d ratios