



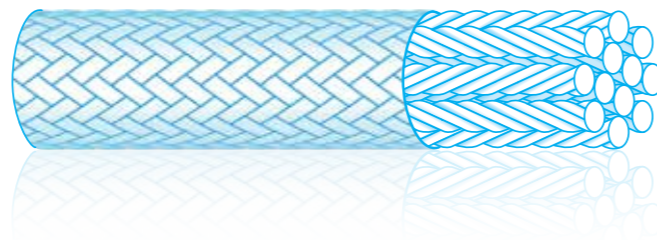
# ULTRALINE DYNEEMA SK78®

## CONSTRUCTION

BEXCO's precision-engineered Ultraline sling with Dyneema® SK78 is a so-called parallel core construction. This construction consists of two parts, namely the core elements and the cover (see illustration). It is stronger than conventional steel wire rope, yet the corresponding weight is 8 to 10 times lower.

The core elements are three-strand subropes that are oriented parallel to the longitudinal axis of the rope. The cover is a braid (standard consisting of polyester), which provides dimensional stability to the rope structure and protects the cores from external damage. The three-strand core design is used because of the good stretch characteristics and excellent splice strength efficiency exhibited by this type of core design.

The braided cover is treated with a marine finish to further enhance the life of the cover under abrasion loads. The cover braid itself does not contribute to the strength of the rope.



## FEATURES

- Construction: load bearing cores made with Dyneema® SK78, overbraided with a polyester jacket
- Torque neutral
- Specific density: depending on rope size, 0,975kg/m<sup>3</sup> for the Dyneema® SK78 core and 1,380kg/m<sup>3</sup> for the PES jacket
- Melting point: 145°C
- Abrasion resistance: excellent
- Elastic elongation at WLL: +/-1%
- UV Resistance: excellent
- Chemical resistance: excellent
- Water absorption: 0%
- Colour: standard white; other colours on request

## APPLICATIONS

- heavy lift sling, pennant, A&R recovery, forerunner, pull-in rope,...

## SECTORS

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

Diameter mm	Weight Kg/m	MBL single		MBL Grommet	
		mT	kN	mT	kn
72	2,76	348	3.414	557	5464
80	3,70	426	4.179	682	6690
88	4,18	526	5.189	842	8260
96	5,37	547	5.366	875	8584
104	6,03	615	6.033	984	9653
112	6,90	752	7.377	1.203	11.801
120	7,32	880	8.633	1.408	13.812
128	8,98	1.026	10.065	1.642	16.108
136	9,99	1.160	11.378	1.856	18.207
144	11,00	1.300	12.753	2.080	20.405
150	12,00	1.435	14.077	2.296	22.524
160	13,40	1.640	16.088	2.624	25.741
180	16,70	2.100	20.601	3.360	32.962
200	19,60	2.530	24.819	4.048	39.711
216	23,20	3.030	29.724	4.848	47.559



**Remarks:**

- Sling 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
- Grommet sling strengths are for D/d ratio >3. See p14 for strengths for lower D/d ratios