



Slings made from High Modulus Polyethylene (HMPE) have set new standards for lifting gear. The Acera™ slings are made from Acera™ Amundsen 12 strand ropes.

Acera™ Amundsen are high performance ropes made from genuine Acera™ HMPE yarns, which are individually coated through a rotating 360° Kiss-roller process. Single yarn coating is proven to significantly enhance internal and external abrasion resistance, and extend service life and strength. The sling eyes have Protech™ cover. A proprietary braided protection made from Acera™ yarn. The splices are protected by a weaved polyester Y-cover.

All Acera™ slings are produced in accordance with own technical file based on ISO 18264:2016 standard. The eyes are hand-spliced with our own positive locking tuck variant, ensuring anti-slip under all circumstances. Acera™ slings are the alternative to cumbersome steel wires. They are stronger and safer. The corresponding weight is more than 7 times lower. Compared to conventional fiber ropes, the resulting reduction in diameter leads to significant savings in weight (60%), space and handling. Acera™ slings provide a safer and more productive lifting operation. The light weight, ultra strong Acera™ slings are available at a market competitive price and can be customised to suit numerous applications.

SUITABLE



Lifting



Mooring



Offshore



Towing

PRODUCT FEATURES

Construction	12-strand plaited core
Fiber	Acera™ HMPE
Specific gravity	HMPE cover 0,97 (floating)
Colours	Platinum
UV resistance	Excellent
Abbrasion resistance	Excellent
Acid resistance	Excellent
Alkali resistance	Excellent
Most chemicals resistance	Excellent
Cold & frost resistance	Excellent
Water resistance	Excellent (0% absorption)
Heat resistance	Low (145-150 melting)
Elongation	Low (2-3% at break)
Oil content in fiber	>0,1%
Cold & frost resistance	Excellent
Chemical resistance	Excellent

KEY BENEFITS

- Less risk to the crew
- Less injuries
- 1/7 of weight steel wire ropes.
- Easier handling
- Faster operation
- Less personnel needed
- Higher lifting capacity
- Less back injuries
- No contact damage
- No fraying or sharp edges
- Superior bending flex fatigue
- Easy to inspect and repair

CERTIFICATE



diameter (mm)	MBL spliced (t)	MBL spliced (kN)	Work Load Limit (WLL) vertical and choker hitches SAFETY	Work Load Limit (WLL) vertical and choker hitches SAFETY
			FACTOR 7:1 (vertical t)	FACTOR 7:1 (vertical kN)
6	3.37	33	0.48	4.71
8	6.02	59	0.86	8.39
10	9.38	92	1.34	13.14
12	13.5	132	1.92	18.86
14	18.4	180	2.62	25.71
16	24	235	3.42	33.57
18	28.9	283	4.12	40.43
20	34.7	340	4.95	48.57
22	40.8	400	5.83	57.14
24	47.9	470	6.85	67.14
26	55.1	540	7.87	77.14
28	62.2	610	8.89	87.14
30	70.4	690	10.05	98.57
32	79.5	780	11.36	111.43
34	87.7	860	12.53	122.86
36	95.9	940	13.69	134.29
38	106.1	1040	15.15	148.57
40	115.2	1130	16.46	161.43
44	133.6	1310	19.08	187.14
48	156	1530	22.29	218.57
52	180.5	1770	25.78	252.86
56	207	2030	29.57	290
60	232.5	2280	33.21	325.71
64	261	2560	37.29	365.71
68	290.6	2850	41.52	407.14
72	323.3	3170	46.18	452.86
76	356.9	3500	50.99	500
80	394.6	3870	56.38	552.86
84	435.8	4274	62.26	610.57
88	477.2	4680	68.18	668.57
92	516.7	5067	73.81	723.86
96	567	5560	81	794.29
100	604.4	5927	86.34	846.71
102	627.3	6152	89.62	878.86
104	650.8	6382	92.97	911.71
108	698.9	6854	99.84	979.14
112	748.7	7342	106.95	1048.86

Nominal diameter as per definition in ISO 1968. Minimum strength defined as MBF/MBL (Minimum Breaking Force, minimum breakload) of spliced application, and measured in kilogram force/kp, tested according to ISO 2307 and verified by DNV GL. Work Load Limits (WLL) is measured in metric tons and kilonewtons based on a safety factor 7:1, as defined by the Machinery Directive 2006/42/EC.