



Grommets made from High Modulus Polyethylene (HMPE) have set new standards for lifting gear. The Acera™ grommets 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 grommets eyes have Protech™ hollow braid protection. A proprietary braided protection made from Acera™ yarn.

All Acera™ grommets 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™ grommets 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™ grommets provide a safer and more productive lifting operation. The light weight, ultra strong Acera™ grommets 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	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



WORKS 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	5.99	58.72	0.86	8.39
8	10.65	104.48	1.52	14.93
10	16.64	163.2	2.38	23.31
12	23.98	235.2	3.43	33.60
14	32.63	320	4.66	45.71
16	42.42	416	6.06	59.43
18	50.58	496	7.23	70.86
20	62	608	8.86	86.86
22	73.42	720	10.49	102.86
24	84.84	832	12.12	118.86
26	97.89	960	13.98	137.14
28	110.94	1088	15.85	155.43
30	125.63	1232	17.95	176
32	141.94	1392	20.28	198.86
34	156.63	1536	22.38	219.43
36	169.68	1664	24.24	237.71
38	189.26	1856	27.04	265.14
40	205.57	2016	29.37	288
44	238.2	2336	34.03	333.71
48	277.36	2720	39.62	388.57
52	321.41	3152	45.92	450.29
56	368.73	3616	52.68	516.57
60	412.78	4048	58.97	578.29
64	463.36	4544	66.19	649.14
68	517.2	5072	73.89	724.57
72	574.3	5632	82.04	804.57
76	634.67	6224	90.67	889.14
80	701.56	6880	100.22	982.86
84	774.82	7598.4	110.69	1085.49
88	848.4	8320	121.20	1188.57
92	918.55	9008	131.22	1286.86
96	1008.29	9888	144.04	1412.57
100	1074.53	10537.6	153.50	1505.37
102	1115.32	10937.6	159.33	1562.51
104	1156.92	11345.6	165.27	1620.80
108	1242.58	12185.6	177.51	1740.80
112	1331	13052.8	190.14	1864.69

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.