



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 resitance	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	6.53	64	0.93	9.14
8	11.26	110.4	1.61	15.77
10	17.13	168	2.45	24
12	24.47	240	3.50	34.29
14	32.63	320	4.66	45.71
16	41.6	408	5.94	58.29
18	51.39	504	7.34	72
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	111.76	1096	15.97	156.57
30	126.45	1240	18.06	177.14
32	141.13	1384	20.16	197.71
34	157.44	1544	22.49	220.57
36	174.58	1712	24.94	244.57
38	191.71	1880	27.39	268.57
40	209.65	2056	29.95	293.71
44	248.81	2440	35.54	348.57
48	289.6	2840	41.37	405.71
52	333.65	3272	47.66	467.43
56	380.15	3728	54.31	532.57
60	429.91	4216	61.42	602.29
64	481.31	4720	68.76	674.29
68	535.97	5256	76.57	750.86
72	593.07	5816	84.72	830.86
76	652.62	6400	93.23	914.29
80	713.8	7000	101.97	1000
84	778.25	7632	111.18	1090.29
88	845.15	8288	120.74	1184
92	914.32	8966.4	130.62	1280.91
96	985.46	9664	140.78	1380.57
100	1059.69	10392	151.38	1484.57
102	1097.06	10758.4	156.72	1536.91
104	1135.56	11136	162.22	1590.86
108	1213.88	11904	173.41	1700.57
112	1297.58	12724.8	185.37	1817.83

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.