



Double-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™ 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 | 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 FACTOR 7:1 (vertical (t)) | Work Load Limit (WLL) vertical and choker hitches SAFETY FACTOR 7:1 (vertical (kN)) |
|------------------|--------------------|---------------------|---|--|
| | | | | |
| 6 | 11.98 | 117.44 | 1.71 | 16.78 |
| 8 | 21.31 | 208.96 | 3.04 | 29.85 |
| 10 | 33.28 | 326.4 | 4.75 | 46.63 |
| 12 | 47.97 | 470.4 | 6.85 | 67.20 |
| 14 | 65.26 | 640 | 9.32 | 91.43 |
| 16 | 84.84 | 832 | 12.12 | 118.86 |
| 18 | 101.16 | 992 | 14.45 | 141.71 |
| 20 | 124 | 1216 | 17.71 | 173.71 |
| 22 | 146.84 | 1440 | 20.98 | 205.71 |
| 24 | 169.68 | 1664 | 24.24 | 237.71 |
| 26 | 195.78 | 1920 | 27.97 | 274.29 |
| 28 | 221.89 | 2176 | 31.70 | 310.86 |
| 30 | 251.26 | 2464 | 35.89 | 352 |
| 32 | 283.89 | 2784 | 40.56 | 397.71 |
| 34 | 313.25 | 3072 | 44.75 | 438.86 |
| 36 | 339.36 | 3328 | 48.48 | 475.43 |
| 38 | 378.52 | 3712 | 54.07 | 530.29 |
| 40 | 411.15 | 4032 | 58.74 | 576 |
| 44 | 476.41 | 4672 | 68.06 | 667.43 |
| 48 | 554.72 | 5440 | 79.25 | 777.14 |
| 52 | 642.83 | 6304 | 91.83 | 900.57 |
| 56 | 737.45 | 7232 | 105.35 | 1033.14 |
| 60 | 825.56 | 8096 | 117.94 | 1156.57 |
| 64 | 926.71 | 9088 | 132.39 | 1298.29 |
| 68 | 1034.39 | 10144 | 147.77 | 1449.14 |
| 72 | 1148.6 | 11264 | 164.09 | 1609.14 |
| 76 | 1269.34 | 12448 | 181.33 | 1778.29 |
| 80 | 1403.12 | 13760 | 200.45 | 1965.71 |
| 84 | 1549.63 | 15196.8 | 221.38 | 2170.97 |
| 88 | 1696.8 | 16640 | 242.40 | 2377.14 |
| 92 | 1837.11 | 18016 | 262.44 | 2573.71 |
| 96 | 2016.58 | 19776 | 288.08 | 2825.14 |
| 100 | 2149.06 | 21075.2 | 307.01 | 3010.74 |
| 102 | 2230.64 | 21875.2 | 318.66 | 3125.03 |
| 104 | 2313.84 | 22691.2 | 330.55 | 3241.60 |
| 108 | 2485.16 | 24371.2 | 355.02 | 3481.60 |
| 112 | 2662 | 26105.6 | 380.29 | 3729.37 |

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.