ACERA Barentz

12- strand HMPE rope with individually cover of each strand

Acera™ Barentz is a unique 12-strand rope, with a core of Acera™ yarns with less twist for maximum strength. Each strand is protected by a tight 24 braided cover, to ensure each individual strand has maximum protection from wear and abrasion in rugged conditions. This construction results in an evenly round shaped rope.

This special construction provides significantly increased safety properties,as the covers act as snap-back/recoil arrestors. In combination with the low elongation on HMPE fibers, there is minimal risk of potentially damaging snapback if a mooring line breaks.

- as the cover in certain situation might reduce the risk of snap-back.
- it reduces risk of potentially damaging snapback if a mooring line breaks.

Acera™ Barentz is made from Acera™ genuine HMPE yarns, which are individually coated through a rotating 360° Lick-roller process. This cumbersome single yarn coating process demonstrates the uncompro- mising commitment to the quality standards of Acera™. Single yarn coating is proven to significantly enhance internal and external abrasion resistance, and extend service life and strength.

Optional HT polyester cover available.

Acera™ Barentz with Acera™ cover will float; while the polyester cover will make it sink.

The outer cover of the rope together with the inner sand filter helps to significantly reduce the negative impact of UV radiation on the rope and also increases the resistance to abrasion from the outside as well as from the inside.

SUITABLE

- **Fishery**
- **Lifting**
- **Mooring**
- **Offshore**
- **Towing**

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PRODUCT FEATURES

Construction	12-strand-individually braided covers
Fiber	Acera HMPE - optional PES cover
Specific gravity	0,973 (floating)
Colours	Natural
UV resistance	Excellent
Abbrasion resistance	Excellent
Acid resistance	Excellent
Alkali resitance	Excellent
Most chemicals resistance	Excellent
Water resistance	Excellent (0% absorption)
Heat resistance	Low (145-150 melting)
Elongation	Low (2-3% at break)
Colours polyester cover	White
Colours Acera cover	Yellow
Fiber toxicity	Biologically inert, IARC classified 3
Weathering ISO 12224	Excellent
Couting toxicity	Water based, solvent free, REACH approved

KEY BENEFITS

- Increased safety (snap-back arrestor)
- High strength-to-weight
- Available in high diameters
- Extra long durability
- Excellent abrasion resistance
- Reduced external damage and particle ingress
- Easy to splice and repair
- Easy to inspect
- Extremely good on winches, bits and capstans

CERTIFICATE

TYPE APPROVED PRODUCT
DNV
DNV.COM/AF

diameter Nominal (mm)	MBL spliced * (t)	MBL spliced * (kN)	MBL unspliced (t)	MBL unspliced (kN)	diameter DIA. (inch)	MBL spliced * (lbs)	MBL unspliced (lbs)	Weight (kg/m)
20	34.7	340	38.7	380	13/16“	76.884	85.427	0.214
22	41.3	405	45.9	450	7/8“	91.047	101.164	0.256
24	47.9	470	53	520	1“	105.210	116.900	0.299
26	55.1	540	61.2	600	1_1/16“	121.397	134.885	0.350
28	62.7	615	69.9	685	C	138.594	153.994	0.401
30	71.4	700	79	775	1_1/4“	156.804	174.227	0.456
32	79.5	780	88.2	865	1_5/16“	175.013	194.459	0.514
34	88.7	870	98.4	965	1_3/8“	195.246	216.940	0.575
36	98.4	965	109.1	1070	1_1/2“	216.490	240.545	0.640
38	108.1	1060	119.8	1175	1_9/16“	237.735	264.150	0.707
40	117.8	1155	131	1285	1_5/8“	259.991	288.879	0.778
44	140.2	1375	155.5	1525	1_3/4“	308.550	342.833	0.929
48	163.2	1600	181	1775	2“	359.131	399.035	1.091
52	187.6	1840	208.5	2045	2_1/8“	413.760	459.733	1.266
56	213.6	2095	237.6	2330	2_1/4“	471.423	523.804	1.453
60	241.7	2370	268.7	2635	2_1/2“	533.133	592.370	1.652
64	270.7	2655	300.8	2950	2_5/8“	596.866	663.185	1.862
68	301.3	2955	335	3285	2_3/4“	664.646	738.496	2.086
72	333.4	3270	370.7	3635	3“	735.461	817.179	2.328
76	367.1	3600	407.9	4000	3_1/8“	809.310	899.234	2.583
80	401.8	3940	446.1	4375	3_1/4“	885.183	983.537	2.851
82	419.7	4116	466.3	4573	3_3/8“	925.236	1.028.040	2.990
88	475.2	4660	528.2	5180	3_5/8“	1.048.048	1.164.498	3.425
92	514.3	5044	571.5	5604	3_3/4“	1.133.834	1.259.816	3.737
96	554.2	5435	615.9	6040	4“	1.222.048	1.357.831	4.049

* MBL guaranteed only for ropes spliced by TIMM ROPES