BEXCO is a European manufacturer of synthetic ropes with a factory in Hamme, Belgium and a new load-out quayside facility in Antwerp.

BEXCO offers a full range of synthetic rope solutions for towing and mooring applications in the toughest of marine environments. Designed by skilled engineers and produced by craftsmen with decades of experience, our ropes are from the highest quality.

BEXCO prides itself on its personal service and advise to customers. Our sales team and engineers understand your business as no other. Joining forces with our customers, project by project, we design, engineer and manufacture made-to-measure, synthetic rope solutions that are reliable, safe and best fit the specific business requirements of the customer.

BEXCO’s personal service and care extends itself until after the initial delivery of the rope. BEXCO offers ‘on demand’ maintenance solutions based on anticipated demand by fleet composition and location and has contractual stock in strategic harbors across the world so customers can count on the timely availability of quality ropes for their vessels.
## BEXCO HIGHLIGHTS

- European manufacturer of fiber rope solutions designed by skilled engineers
- Solution-based approach combined with approachable, personal service
- BEXCO understands your marine business. Our rope. Your solution!

### PRODUCT OVERVIEW

<table>
<thead>
<tr>
<th>Strand</th>
<th>Material</th>
<th>Cover/jacket</th>
<th>Specific Density (g/cm³)</th>
<th>Melting point in °C</th>
<th>Abrasion resistance</th>
<th>UV resistance</th>
<th>Temperature resistance</th>
<th>Chemical resistance</th>
<th>dry &amp; wet conditions</th>
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<tr>
<td>Atlas®</td>
<td>6 nylon</td>
<td>–</td>
<td>1,14</td>
<td>215</td>
<td>excellent</td>
<td>excellent</td>
<td>80°C max continuous</td>
<td>reasonable</td>
<td>can be stowed wet</td>
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<tr>
<td>Caesar Plus</td>
<td>6 nylon</td>
<td>–</td>
<td>1,14</td>
<td>215</td>
<td>excellent</td>
<td>excellent</td>
<td>80°C max continuous</td>
<td>reasonable</td>
<td>can be stowed wet</td>
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<tr>
<td>Bexcofloat</td>
<td>8/12 PP/PES</td>
<td>–</td>
<td>0,99</td>
<td>165-260</td>
<td>very good</td>
<td>good</td>
<td>70°C max continuous</td>
<td>good (3)</td>
<td>wet strength equals dry strength</td>
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<tr>
<td>Bexcoflex</td>
<td>8/12 PP/PES</td>
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<td>1,10</td>
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<td>good</td>
<td>70°C max continuous</td>
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<tr>
<td>Dyneema®</td>
<td>8/12 SK78</td>
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<td>145</td>
<td>excellent</td>
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<td>6+1 PP/PES composite yarn</td>
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<td>good</td>
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<td>excellent (1)</td>
<td>80°C max continuous</td>
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<td>wet 5% lower than dry</td>
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<tr>
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<td>Ultraline Dyneema®</td>
<td>3/8/12 SK78 composite yarn</td>
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<td>145</td>
<td>excellent (1)</td>
<td>70°C max continuous</td>
<td>excellent</td>
<td>wet strength equals dry strength</td>
<td></td>
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</tr>
</tbody>
</table>

(*) = excellent, due to cover/jacket (1) = acids, oxidisers and solvents will affect the material (2) = solvents and strong oxidisers may have a mild effect (3) = bases and solvents may have a mild effect

### CERTIFICATIONS

[Certification Logos]
Bexco offers a wide range of synthetic mooring solutions made-to-measure in various materials and fit for different operational environments. Ever-increasing vessel sizes have called for mooring ropes thicker in diameter and heavier in weight making them hard to handle by vessel crews. Our synthetic ropes create lighter mooring solutions that are easy to handle and safe in use. Achieving comparable breaking strengths, our rope solutions are up to seven times lighter than steel cable.

In close cooperation with the customer we design the mooring system that best matches your requirements taking the performance of each mooring component into account.

**MAINLINE**
Mainlines are the strength of the mooring system. Bexco provides mainlines in various synthetic materials to fit the most challenging operational environments.

**TAILS**
Tails are necessary to provide elasticity in the mooring configuration and are connected to the mainline through a cow hitch.

**ROPE CONNECTIONS**
Ropes can be connected in various ways: via a direct eye-to-eye splice connection, a cow hitch or soft shackle.

**EYE TO EYE SPLICE CONNECTION**
This connection cannot be removed without resplicing at least one of the ropes.

**COW HITCH**
A cow hitch is the most used method to connect two ropes. It can be used if both ropes have eyes and are protected with a strong protective cloth to prevent damage to the eyes.

Correct cow hitch connection

**SOFT SHACKLE**
A soft shackle is a newer alternative to the cow hitch. The advantage of this solution is that part of the mooring configuration can be replaced without having to de-install the ropes. The soft shackle floats and is light in weight, easy to open and close, self locking under load and abrasion resistant.

Correct soft shackle connection

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### MOORING SOLUTIONS

<table>
<thead>
<tr>
<th>Product</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>MAINLINES</strong></td>
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</tr>
<tr>
<td>High Performance Line with Dyneema® fiber</td>
<td>5</td>
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<tr>
<td>Maximus®</td>
<td>6</td>
</tr>
<tr>
<td>Maxima</td>
<td>7</td>
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<tr>
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<tr>
<td><strong>TAILS</strong></td>
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<tr>
<td>Nylon tails</td>
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<tr>
<td>Bexcoflex tails</td>
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<td>Ultrasprings</td>
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<table>
<thead>
<tr>
<th>Product</th>
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<th>Mooring</th>
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<tr>
<td><strong>Passenger</strong></td>
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<td>Bulk</td>
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<tr>
<td>Maximus®</td>
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<td>Nylon tails</td>
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<td>Bexcoflex tails</td>
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<td>x</td>
</tr>
<tr>
<td>Ultrasprings</td>
<td>17</td>
<td>x</td>
</tr>
</tbody>
</table>
SUPERIOR LINE

SUPERIOR WITH DYNEEMA® FIBER
Combines small diameters with high breaking strengths, the lightest rope with the highest breaking strengths.

GENERAL
- 8-strand or 12-strand braided ropes made of Dyneema® fibers
- Commonly known as HMPE: High Modulus Polyethylene
- Superior abrasion resistance
- Very high strength and low weight to diameter ratio
- Easy in handling and operation
- Comparable to steel wire characteristics

FEATURES
- Material: Ultra – High Molecular Weight Polyethylene (Dyneema® SK78)
- Construction: 8-strand or 12-strand braided
- Treatment: Marine finish
- Color of Rope: dia < 32mm: grey – dia > 32mm: white
- Approx. Spec. Density: 0,975 floating
- Melting Point: 145° C
- Abrasion Resistance: Excellent
- U.V. Resistance: Good
- Temperature Resistance: 70°C max continuous
- Chemical Resistance: Excellent
- Dry & Wet Conditions: Wet strength equals dry strength

SECTORS
- Passenger ships
- Container ships
- LNG and LPG carriers
- Tugs (harbor towing)
- Bulker carriers
- Barges
- Dredgers
- Fishing vessels (nets)

MAXIMUS®
The ideal mooring rope for ultra-large vessels.

GENERAL
MAXIMUS® is an in-house developed rope made with Dyneema® SK78 fibers. It is a lighter mooring rope with reduced diameters (up to 50%). Achieving a comparable breaking strength, MAXIMUS® is four times lighter in weight than the most commonly used synthetic mooring ropes and seven times lighter than steel wire.

Maximus® can be produced with different diameters, strengths and lengths in function of the vessel’s hardware. BEXCO develops a custom-made Maximus® rope that meets specific customer requirements. Ropes with alternative HMPE fibers are on request.

FEATURES
- Material: Ultra – High Molecular Weight Polyethylene (Dyneema® SK78), BEXCORD
- Construction: 12-strand braided
- Treatment: internal and external abrasion-resistant coating
- Color of Rope: white
- Approx. Spec. Density: 0,975 floating
- Melting Point: 145° C
- Abrasion Resistance: Excellent
- U.V. resistance: Good
- Temperature resistance: 70°C max continuous
- Chemical resistance: Excellent
- Dry & wet conditions: Wet strength equals dry strength
**ATLAS®**
The licensed nylon rope for use on self-tensioning winches

**GENERAL**
- Bexco is an official Perlon licensee holder for manufacturing the original Atlas®
- 6-strand rope made from nylon: a combination of mono- and multi-filaments
- Very good dimensional stability
- Excellent abrasion resistance and fatigue characteristics
- Best spooling on winches
- Very high breaking load
- Very compact rope: easy to handle and splice

**FEATURES**
- Material: 100% high tenacity nylon (mono-and multi-filament)
- Construction: 6-strand cross lay
- Treatment: None
- Color of Rope: White with red marker yarn
- Melting Point: 215°C
- Abrasion Resistance: Excellent
- U.V. Resistance: Excellent
- Temperature Resistance: 80°C max continuous
- Chemical Resistance: Reasonable. Acids, oxidizers & solvents will affect the material
- Dry & Wet Conditions: Can be stowed wet

---

**CAESAR PLUS**
The new generation Caesar - the perfect Nylon rope for use on self-tensioning winches

**GENERAL**
- 6-strand rope made from Nylon: a combination of mono- and multifilament
- More cost effective alternative to Atlas® rope
- Very compact and dimensionally stable
- Easy handling
- Excellent behavior on winches
- High Breaking loads and elongation

**FEATURES**
- Material: 100% high tenacity nylon (mono-and multi-filament)
- Construction: 6-strand cross lay
- Treatment: None
- Color of Rope: White with green marker yarn
- Melting Point: 215°C
- Abrasion Resistance: Excellent
- U.V. Resistance: Excellent
- Temperature Resistance: 80°C max continuous
- Chemical Resistance: Reasonable. Acids, oxidizers & solvents will affect the material
- Dry & Wet Conditions: Can be stowed wet

---

**SECTORS**
- Container ships, Bulk carriers, Fishing vessels (nets)

---

**ATLAS®**

<table>
<thead>
<tr>
<th>Dia (mm)</th>
<th>Circ. (”)</th>
<th>Dia (”)</th>
<th>Min. Break Load (kN)</th>
<th>Weight (kg/100m)</th>
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**CAESAR PLUS**

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<th>Weight (kg/100m)</th>
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<tr>
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<td>84 0 10</td>
<td>3</td>
<td>178.0</td>
<td>1734</td>
<td>655.0</td>
</tr>
</tbody>
</table>
**BEXCOLINE**

The abrasion-resistant mooring rope

**GENERAL**
- 8- or 12-strand non-floating composite fiber ropes
- Mixture of high tenacity, in-house produced, BEX-yarn and polyester yarn
- Non-rotation behavior
- Excellent handling characteristics
- Good shock absorption properties
- OCIMF approved

**FEATURES**
- **Material**: High-tenacity BEX-yarn and High-tenacity polyester
- **Construction**: 8-strand, 12-strand braided
- **Treatment**: Marine finish
- **Color of Rope**: White with a red marker yarn
- **Approx. Spec. Density**: 1.1 (non floating)
- **Melting Point**: 165°C / 260°C
- **Abrasion Resistance**: Very good
- **U.V. Resistance**: Good
- **Temperature Resistance**: 70°C max continuous
- **Chemical Resistance**: Good, solvents and strong oxidizers may have a mild effect
- **Dry & Wet Conditions**: Wet strength equals dry strength

**SECTORS**
- Passenger ships
- Container ships
- Bulk carriers
- Barges
- LPG carriers
- Navy vessels
- Fishing vessels

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**BEXCOFLEX**

An ideal floating mooring rope

**GENERAL**
- 8- or 12-strand floating composite fiber ropes
- Mixture of high tenacity, in-house produced, BEX-yarn and polyester yarn
- Very good fatigue characteristics and abrasion resistance
- High breaking load
- Safe handling and operation
- OCIMF approved

**FEATURES**
- **Material**: High-tenacity BEX-yarn and High-tenacity polyester
- **Construction**: 8-strand and 12-strand braided
- **Treatment**: Marine finish
- **Color of Rope**: Light orange with a blue marker yarn
- **Approx. Spec. Density**: 0.99 (floating)
- **Melting Point**: 165°C / 260°C
- **Abrasion Resistance**: Very good
- **U.V. Resistance**: Good
- **Temperature Resistance**: 70°C max continuous
- **Chemical Resistance**: Good, solvents and strong oxidizers may have a mild effect
- **Dry & Wet Conditions**: Wet strength equals dry strength

**SECTORS**
- Passenger ships
- Container ships
- Bulk carriers
- Barges
- LPG carriers
- Navy vessels
- Fishing vessels

---

**Dia**  | **Circ.**  | **Dia Min. Break Load** | **Weight**
---|---|---|---
32 | 4 | 1 1/8 | 30.6 | 300 | 68.5
36 | 4 1/2 | 1 1/8 | 35.2 | 345 | 79.5
40 | 5 | 1 1/2 | 42.5 | 417 | 96.6
44 | 5 1/2 | 1 1/2 | 49.1 | 462 | 112
48 | 6 | 2 | 55.7 | 546 | 128
52 | 6 1/2 | 2 1/8 | 64.2 | 630 | 149
56 | 7 | 2 1/4 | 72.7 | 713 | 169
60 | 7 1/2 | 2 1/6 | 81.1 | 796 | 190
64 | 8 | 2 1/8 | 90.3 | 886 | 211
68 | 8 1/2 | 2 1/6 | 104 | 1025 | 246
72 | 9 | 3 | 113 | 1107 | 267
76 | 9 1/2 | 3 1/6 | 134 | 1315 | 315
80 | 10 | 3 1/4 | 148 | 1448 | 348
88 | 11 | 3 1/8 | 175 | 1719 | 415
96 | 12 | 4 | 205 | 2014 | 489
104 | 13 | 4 1/8 | 236 | 2308 | 563
112 | 14 | 4 1/4 | 269 | 2639 | 646
120 | 15 | 5 | 301 | 2951 | 725
128 | 16 | 5 1/8 | 339 | 3330 | 821
136 | 17 | 5 1/4 | 379 | 3752 | 900

---

**Dia**  | **Circ.**  | **Dia Min. Break Load** | **Weight**
---|---|---|---
32 | 4 | 1 1/8 | 16.5 | 162 | 43.3
36 | 4 1/2 | 1 1/8 | 20.8 | 204 | 52.9
40 | 5 | 1 1/2 | 30.2 | 306 | 72.2
44 | 5 1/2 | 1 1/2 | 36.5 | 368 | 91.5
48 | 6 | 2 | 43.0 | 422 | 106
52 | 6 1/2 | 2 1/8 | 50.5 | 495 | 126
56 | 7 | 2 1/4 | 58.0 | 569 | 145
60 | 7 1/2 | 2 1/6 | 66.0 | 647 | 164
64 | 8 | 2 1/8 | 75.0 | 736 | 188
68 | 8 1/2 | 2 1/6 | 84.5 | 829 | 213
72 | 9 | 3 | 94.5 | 927 | 237
76 | 9 1/2 | 3 1/6 | 103 | 1015 | 261
80 | 10 | 3 1/4 | 116 | 1137 | 295
88 | 11 | 3 1/8 | 139 | 1363 | 352
96 | 12 | 4 | 165 | 1618 | 417
104 | 13 | 4 1/8 | 193 | 1883 | 492
112 | 14 | 4 1/4 | 224 | 2202 | 573
120 | 15 | 5 | 256 | 2515 | 658
128 | 16 | 5 1/8 | 291 | 2869 | 747
136 | 17 | 5 1/4 | 328 | 3217 | 848

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**BEXCOFLEX**

Ropes conform to the INTERTANKO and OCIMF guidelines for tanker mooring

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**BEXCOFLOAT**

Ropes conform to the INTERTANKO and OCIMF guidelines for tanker mooring
### ULTRALINE POLYESTER

**GENERAL**
- Circular braided design ropes
- Parallel polyester cores with a braided protective cover of composite yarn
- Excellent abrasion resistance
- Longer life time and compact rope
- Low density and high energy absorption
- High breaking strengths

**FEATURES**
- **Material:** Polyester
- **Construction:** Load-bearing cores with a protective cover of composite yarn
- **Treatment:** On request
- **Color of Rope:** White
- **Approx. Spec. Density:** 1.38 non floating
- **Melting Point:** 260°C
- **Abrasion Resistance:** Excellent
- **U.V. Resistance:** Excellent, due to jacket
- **Temperature Resistance:** 80°C max continuous
- **Chemical Resistance:** Good, bases and solvents may have a mild effect
- **Dry & Wet Conditions:** Wet strength equals dry strength

<table>
<thead>
<tr>
<th>Dia (mm)</th>
<th>Circ. (&quot;)</th>
<th>Dia Min. Break Load (tf)</th>
<th>Weight (kg/100m)</th>
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### ULTRALINE POLYAMIDE

**GENERAL**
- Circular braided design ropes
- Parallel nylon cores with a braided protective cover of composite yarn
- Excellent abrasion resistance
- Lower fatigue properties in comparison to polyester
- Longer life time and compact rope
- Excellent spooling on winches

**FEATURES**
- **Material:** Polyamide (nylon)
- **Construction:** Load-bearing cores with a protective cover of composite yarn
- **Treatment:** On request
- **Color of Rope:** White
- **Approx. Spec. Density:** 1.14 non floating
- **Melting Point:** 215°C
- **Abrasion Resistance:** Excellent
- **U.V. Resistance:** Excellent, due to jacket
- **Temperature Resistance:** 80°C max continuous
- **Chemical Resistance:** Reasonable; acids, oxidizers & solvents affect the material
- **Dry & Wet Conditions:** Wet strength about 5% lower than dry strength

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ULTRALINE

ULTRALINE WITH DYNEEMA® FIBER

GENERAL
- Circular braided design ropes
- HMPE cores with a protective cover braid of composite yarn
- Excellent abrasion resistance
- Longer life time and compact rope
- Minimal elongation
- Firm construction and torque balanced

FEATURES
- Materials: Ultra HMPE (Ultra High Modulus Polyethylene – Dyneema® fiber SK78)
- Construction: Load-bearing cores with a cover of composite yarn
- Treatment: On request
- Color of rope: White
- Approx. Spec. Density: 0.975 floating
- Melting Point: 145°C
- Abrasion Resistance: Excellent
- U.V. Resistance: Excellent, due to jacket
- Temperature Resistance: 70°C max continuous
- Chemical Resistance: Excellent
- Dry & Wet Conditions: Wet strength equals dry strength

ULTRALINE WINCHMATE BEXCORD

GENERAL
- Circular braided design ropes
- Crosslay 6+1 cores of high tenacity BEX-yarn with a protective cover braid of composite yarn
- Firm construction, ideal for use on winches
- Floating, low density
- Very good abrasion resistance
- High-strength alternative for polypropylene

FEATURES
- Materials: High tenacity BEX-yarn
- Construction: 6 + 1 cross-lay core with a protective cover of composite yarn
- Treatment: On request
- Color of Rope: White
- Approx. Spec. Density: 0.91 floating
- Melting Point: 165°C
- Abrasion Resistance: Good
- U.V. Resistance: Excellent, due to jacket
- Temperature Resistance: 70°C max continuous
- Chemical Resistance: Good, solvent and strong oxidizers may have a mild effect
- Dry & Wet Conditions: Wet strength equals dry strength

This rope is also available in a 3-strand parallel core construction. For more information, please visit our website.

ULTRALINE WITH DYNEEMA® FIBER (8 & 12 strand)

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ULTRALINE WINCHMATE BEXCORD

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This rope is also available in a 3-strand parallel core construction. For more information, please visit our website.
**TAILS**

**BEXCOFLEX TAILS**

The first choice mooring tail. Provides required elongation in mooring configurations with HMPE and steel wire.

**BEXCOFLEX compared to NYLON**

- Smaller size and weight compared to nylon tails
- According to OCIMF guidelines, synthetic tails should have an MBL of 25% higher than the MBL of a mooring line. Tails made of polyamide (nylon) should have a 37% higher MBL than a mooring line because of the loss of strength when wet.
- TCLL (comparable to pure polyester and significantly higher than for nylon)
- Elongation (comparable to polyester)

**FEATURES**

- **Materials:** High tenacity BEX-yarn and High-tenacity polyester
- **Construction:** 8-strand, 12-strand braided
- **Treatment:** Marine finish
- **Color or rope:** White with a red marker yarn
- **Approx. Spec. Density:** 1.1 (non floating)
- **Melting point:** 165 °C / 260 °C
- **Abrasion Resistance:** Very good
- **UV Resistance:** Good
- **Temperature resistance:** workable in sub-zero temperatures
- **Chemical resistance:** good, except in presence of acids
- **Dry & wet conditions:** can be stowed wet

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**POLYAMIDE (NYLON) TAILS**

OCIMF required tail for gas tankers

**GENERAL**

- High abrasion resistance
- Excellent weight/tenacity ratio
- Easy to splice
- Rot-proof
- OCIMF approved

**FEATURES**

- **Materials:** Polyamide
- **Construction:** 8 strand
- **Color or rope:** White
- **Approx. Spec. Density:** 1.14 non floating
- **Melting point:** 215 °C
- **Abrasion Resistance:** Very good
- **UV Resistance:** excellent
- **Temperature resistance:** workable in sub-zero temperatures
- **Chemical resistance:** good, except in presence of acids
- **Dry & wet conditions:** can be stowed wet

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**Dia** | **Circ.** | **Dia Min. Break Load** | **Weight**
--- | --- | --- | ---
32 | 4 | 30.6 | 300 | 68.5
36 | 4½ | 35.2 | 345 | 79.5
40 | 5 | 42.5 | 417 | 96.6
44 | 5½ | 49.1 | 482 | 112
48 | 6 | 56.7 | 546 | 128
52 | 6½ | 64.2 | 630 | 149
56 | 7 | 72.7 | 713 | 169
60 | 7½ | 81.1 | 736 | 190
64 | 8 | 90.3 | 886 | 211
68 | 8½ | 104 | 1025 | 246
72 | 9 | 113 | 1107 | 267
76 | 9½ | 134 | 1315 | 315
80 | 10 | 148 | 1448 | 348
88 | 11 | 172 | 1719 | 415
96 | 12 | 205 | 2014 | 489
104 | 13 | 235 | 2308 | 563
112 | 14 | 269 | 2639 | 646
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128 | 16 | 339 | 3330 | 821
136 | 17 | 379 | 3722 | 920

**Dia** | **Circ.** | **Dia Min. Break Load** | **Weight**
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8 | 1 | 1.36 | 13.2 | 4
10 | 1½ | 2.08 | 20.4 | 6.2
12 | 1¾ | 3 | 29.4 | 8.9
14 | 1½ | 4.1 | 40.2 | 12.2
16 | 2 | 5.3 | 52 | 15.8
18 | 2½ | 6.7 | 65 | 20
20 | 2¾ | 8.3 | 81.4 | 24.5
22 | 3 | 10 | 98 | 30
24 | 3½ | 12 | 118 | 35.5
26 | 4 | 14 | 137 | 42
28 | 4½ | 16 | 156 | 48.5
30 | 1½ | 17.7 | 174 | 55.5
32 | 2 | 19 | 196 | 63
36 | 4 | 24.9 | 244 | 60
40 | 5 | 30 | 294 | 69
44 | 5½ | 35 | 351 | 120
48 | 6 | 42 | 412 | 142
52 | 6½ | 48.8 | 479 | 166
56 | 7 | 54.9 | 549 | 193
60 | 7½ | 63.8 | 626 | 221
64 | 8 | 72 | 706 | 252
68 | 8½ | 80.1 | 752 | 284
72 | 9 | 90 | 882 | 319
76 | 9½ | 100 | 979 | 355
80 | 10 | 110 | 1078 | 394
88 | 11 | 131 | 1284 | 477
96 | 12 | 154 | 1510 | 568
104 | 13 | 182 | 1786 | 666
112 | 14 | 210 | 2061 | 772
120 | 15 | 246 | 2355 | 867
128 | 16 | 272 | 2668 | 1010
136 | 17 | 306 | 3002 | 1140
ULTRASPRING POLYESTER

Long life cycle jacketed mooring tail or towing stretcher.

FEATURES
- **Material:** Polyester
- **Construction:** One load-bearing core with a protective cover of composite yarn
- **Treatment:** On request
- **Color of Rope:** White
- **Approx. Spec. Density:** 1.38 non-floating
- **Melting Point:** 260°C
- **Abrasion Resistance:** Excellent
- **U.V. resistance:** Excellent, due to jacket
- **Temperature resistance:** 80°C max continuous
- **Chemical resistance:** Good, bases and solvents may have a mild effect
- **Dry & wet conditions:** Wet strength equals dry strength

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ULTRASPRING POLYAMIDE

High quality jacketed mooring tail.

FEATURES
- **Material:** Polyamide (nylon)
- **Construction:** One load-bearing core with a protective cover of composite yarn
- **Treatment:** On request
- **Color of Rope:** White
- **Approx. Spec. Density:** 1.14 non-floating
- **Melting Point:** 215°C
- **Abrasion Resistance:** Excellent
- **U.V. resistance:** Excellent, due to jacket
- **Temperature resistance:** 80°C max continuous
- **Chemical resistance:** Reasonable; acids, oxidizers and solvents will affect the material
- **Dry & wet conditions:** Wet strength about 5% lower than dry strength

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PENDANTS
PENDANT WITH LOOSE COVER MADE WITH DYNEEMA® FIBER

GENERAL
• 12-strand braided ropes made of Dyneema® fibers
• Commonly known as HMPE: High Modulus PolyEthylene
• Superior abrasion resistance
• Very high strength and low weight to diameter ratio
• Easy in handling and operation
• Comparable to steel wire characteristics

SYNTHETIC FIBER
Bexco offers towing system components in various synthetic fibers depending on the equipment used and the type of operating environment of the tug.

STRETCHERS
Higher elongation than the mainline. Stretchers can be added to the towing solution to provide shock absorption within the system. Stretchers can be positioned on different locations in the towing configuration. Our stretchers are custom-made.

MAINLINES
The strength of the towing system. Mainlines need to be strong, yet light and easy to handle. BEXCO offers various custom-made solutions in different synthetic fibers depending on the equipment of the vessel and the operating environment of the tug.

APPLICATIONS Towing

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<th>SECTORS</th>
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TOWING
Safety, cost effectiveness and longevity are key for any rope solutions in the marine industry but vital for harbor towing systems. BEXCO offers complete towing solutions from mainlines to stretchers and pendants custom-made to function in the roughest of environments. In close cooperation with the customer we design the towing system that best fits your requirements taking the performance of each towing component into account.

PENDANT
First part of the mooring configuration. Pendants are used in the closed chocks of the towed ship and need to be abrasion resistant and easily replaceable. Our pendants are produced in Dyneema® fiber to increase lightness of handling. The first meters of the pendant have a loose cover to increase the abrasion resistance in the chocks.

MAINLINES
The strength of the towing system. Mainlines need to be strong, yet light and easy to handle. BEXCO offers various custom-made solutions in different synthetic fibers depending on the equipment of the vessel and the operating environment of the tug.

<table>
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ROPE PROTECTION

POLYESTER FIRE HOSE (1)
Polyester sleeve is used as standard eye protection. It can also be used for protection of extra lengths on the synthetic rope.
Color: red

BEXCO PROTECTION SLEEVE (5)
The BEXCO PROTECTION SLEEVE is a composite of Nylon and Dyneema®. An in-house engineered product to be used as extra protection for ropes in chocks, fairleads and on sheaves to extend the lifecycle of high quality mooring ropes. The standard length is 2 meters and the width is adjusted to fit any rope diameter. Different sizes are available on request.

DELTAWEB (3)
DELTAWEB has been developed for protecting a splice against wear and tear. It’s a fabric woven from the highly abrasion-resistant BEXCOLINE composite yarn i.e. high-tenacity BEXCORD & high-tenacity polyester. Because DELTAWEB is made from the same material as our usual covers, it will not change the weight or the handling of the rope significantly. DELTAWEB can also be applied on a rope in use, giving the rope additional protection if the original cover is worn.
Color: white

LOOSE COVER (2)
Perfect solution to use on Dyneema®/HMPE pendants for protection into the closed chocks (towing application)
Made of Dyneema® fibers.
Color: white (other colors on request)

SOFT SHACKLE (4)
Soft rope shackle made of Dyneema® SK78 fibers. Will tighten under tension and is easy to remove when relaxed.
Floats
Color: White/Grey

REPAIR KITS

STANDARD REPAIRKIT ULTRALINE
- 2m Deltaweb cloth
- PA6 braided nylon 3mm 200m (sewing)
- PA6 braided nylon 6mm 100m (seizing)
- 1 sewing needle
- Delivered in a plastic box

EXTENSIVE REPAIRKIT ULTRALINE
- 4m Deltaweb cloth
- 2 spools HMPE sewing yarn
- 50mm wide adhesive tape
- 19mm wide adhesive tape
- PA6 braided 7mm lashing rope 250m
- 1 sewing needle
- Delivered in a plastic box

GENERAL FEATURES FOR ALL BEXCO ROPES
- Coil length: 220m
- Spliced strength: +/- 10% lower
- Weight and length tolerance: +/- 5%
- Diameter: +/- 2%

MBL = Minimum Breaking Load conform ISO 2307
Breaking strength without splices or any other termination.
Other sizes are available on request.
CONTACT

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9220 Hamme
Belgium
Tel: + 32 52 499 370
E-mail: sales@bexco.be
For more information on our products:
www.bexco.be