

Last updated: 30/04/2025 05:20:32

# ACERA AMUNDSEN SBA S145 [45MM] 220M

Product group: 329      Product number: **411168**

## Product information



## Specification

General

|                         |                  |
|-------------------------|------------------|
| Material type and grade | Acera H16 (HMPE) |
|-------------------------|------------------|

Physical properties

|                                     |                   |
|-------------------------------------|-------------------|
| Density                             | 0.97 (floating)   |
| Jacketed                            | false             |
| Line Construction                   | 12x1 braided      |
| Line Linear Density (LLD)           | 1.03 kg/m         |
| Line Tenacity (LT) Maximum          | 162.9 t/kg/m      |
| Line Tenacity (LT) Maximum (kN/g/m) | 1.60 kN/g/m       |
| Line Tenacity (LT) Measured         | 150.2 t/kg/m      |
| Load Bearing Linear Density (LBLD)  | 0.98 kg/m         |
| NSBF (if requested)                 | Not requested     |
| Rotating                            | false             |
| Splice type and design              | Tension (12S/Z)x1 |

Dimensions/Weight

|               |     |
|---------------|-----|
| Diameter [mm] | 45  |
| Length        | 220 |
| Length [m]    | 220 |

Technical data

|                                              |                 |
|----------------------------------------------|-----------------|
| Angled Break Force (ABF) % Avg NSBF D/d = 10 | 194.89 (97.44)  |
| Angled Break Force (ABF) % Avg NSBF D/d = 5  | 188.06 (94.03)  |
| Angled Endurance (AE) % Avg NSBF D/d = 10    | 98.5            |
| Angled Endurance (AE) % Avg NSBF D/d = 5     | 86.85           |
| Average Immediate Strain (e) %LDBF:10        | 0.37            |
| Average Immediate Strain (e) %LDBF:20        | 0.64            |
| Average Immediate Strain (e) %LDBF:30        | 0.87            |
| Average Immediate Strain (e) %LDBF:40        | 1.09            |
| Average Immediate Strain (e) %LDBF:50        | 1.30            |
| Axial Compression Resistance (ACR)           | 98.95% Avg NSBF |
| LDBF [kN] (from)                             | 1275            |
| LDBF [kN] (up to)                            | 1437            |
| LDBF [t] (from)                              | 130             |
| LDBF [t] (up to)                             | 146.5           |
| Line Design Break Force (LDBF)               | 146.5           |
| Temperature (T) % BF at 20°C -20C            | 115.3/115       |
| Temperature (T) % BF at 20°C 0C              | 108.4/105       |
| Temperature (T) % BF at 20°C 20C             | 100/100         |
| Temperature (T) % BF at 20°C 40C             | 97.5/95         |
| Temperature (T) % BF at 20°C 60C             | 87.23/90        |
| Temperature (T) % BF at 20°C 80C             | 61.5/82         |
| Unspliced MBL [t]                            | 161.6           |

Performance data

|                     |      |
|---------------------|------|
| DNVGL               | Y    |
| SBA                 | Y    |
| Strength adjustment | 10%  |
| Var Range From      | 100% |
| Var Range To        | 105% |

Documents

[SDoC411168](#)

[SDoC and MD for IHM](#)

[Wilhelmsen Use and Care Acera Amundsen tags](#)

