

Last updated: 08/08/2024 06:47:28

# ACERA DAGAMA SBA S145 [45MM/52MM] 220M

Product group: **329** Product number: **411202**

## Product information



## Specification

## General

|                         |                          |
|-------------------------|--------------------------|
| Material type and grade | Acera H16 (HMPE), HT PES |
|-------------------------|--------------------------|

## Dimensions/Weight

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

## Performance data

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

## Documents

[Wilhelmsen\\_Use and Care Acera daGama SBA](#)

## Physical properties

|                                     |                                   |
|-------------------------------------|-----------------------------------|
| Jacketed                            | true                              |
| Line Construction                   | 12x1 braided core (braided cover) |
| Line Linear Density (LLD)           | 1.517 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)  | 0.968 kg/m                        |
| NSBF (if requested)                 | Not requested                     |
| Rotating                            | false                             |
| Splice type and design              | Tension (12S/Z)x1                 |

## Technical data

|  |                  |
|--|------------------|
| Angled Break Force (ABF) % Avg NSBF D/d = 10 | 193.77 (96.89)   |
| Angled Break Force (ABF) % Avg NSBF D/d = 5  | 196.77 (98.39)   |
| Angled Endurance (AE) % Avg NSBF D/d = 10    | 97.75            |
| Angled Endurance (AE) % Avg NSBF D/d = 5     | 101.30           |
| Average Immediate Strain (e) %LDBF:10        | 0.4              |
| Average Immediate Strain (e) %LDBF:20        | 0.67             |
| Average Immediate Strain (e) %LDBF:30        | 0.9              |
| Average Immediate Strain (e) %LDBF:40        | 1.1              |
| Average Immediate Strain (e) %LDBF:50        | 1.32             |
| Axial Compression Resistance (ACR)           | 118.27% 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            | 115.3/109/125    |
| Temperature (T) % BF at 20°C 0C              | 108.4/109/115    |
| Temperature (T) % BF at 20°C 20C             | 100/100/110      |
| Temperature (T) % BF at 20°C 40C             | 97.5/98/105      |
| Temperature (T) % BF at 20°C 60C             | 87.23/92/100     |
| Temperature (T) % BF at 20°C 80C             | 61.5/88/92       |
| Unspliced MBL [t]                            | 162.6            |

This page is printed from

<https://www.wilhelmsen.com/product-catalogue/products/ropes/high-performance-mooring-rope/acera-dagama-sba/acera-dagama-sba-s145-45nm52mm-220m/>