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# TIMM MASTER 12 SBA F35 [45MM] 220M

Product group: 327      Product number: 411032

## Product information

Timm Master 12 SBA is a mixed polymer rope solution, using the

### Features

- 12 strand plaited construction
- Anti-twisting colors
- Integrated Snap Back Arrestor
- Buoyant
- Low-torque
- UV stabilised

### Benefits

- Reducing snap back if main rope breaks
- Class leading strength-to-weight ratio
- Preventing twisting of ropes
- High abrasion resistance
- Type Approved by DNV GL
- Meets all OCIMF requirements

## Specification

General

|                                                |                                       |
|------------------------------------------------|---------------------------------------|
| Invent Hazard Material (IMO/EU) classification | NA                                    |
| Material                                       | 75% Polyolefin & 25% HT Polyester     |
| Material type and grade                        | Mxed polyolefins (B5 yarn) and HT PES |

Physical properties

|                                         |                                     |
|-----------------------------------------|-------------------------------------|
| Colour                                  | Blue and white anti-twisting colors |
| Construction                            | 12 strand braided                   |
| Density                                 | 0.99                                |
| Density [kg/m3]                         | 0.99                                |
| Elongation [%]                          | 18% at break                        |
| Eyes                                    | 1,8mmesh braid protected eyes       |
| Jacketed                                | false                               |
| Line Construction                       | 12x1 braided                        |
| Line Linear Density (LLD)               | 1.102 kg/m                          |
| Line Tenacity (LT) Maximum              | 38.41 t/kg/m                        |
| Line Tenacity (LT) Maximum (kN/g/m)     | 0.38 kN/g/m                         |
| Line Tenacity (LT) Measured             | 38.12 t/kg/m                        |
| Load Bearing Linear Density (LBLD)      | 1.062 kg/m                          |
| Melting point                           | 165°C                               |
| NSBF (if requested)                     | Not requested                       |
| Rotating                                | false                               |
| Splice type and design                  | TM12 2G                             |
| X - Line Linear Density (LLD)           | 1.102 kg/m                          |
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Dimensions/Weight

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

Technical data

|                                                  |                 |
|--------------------------------------------------|-----------------|
| Angled Break Force (ABF) % Avg NSBF D/d = 10     | 181.42 (90.71)  |
| Angled Break Force (ABF) % Avg NSBF D/d = 5      | 173.00 (86.50)  |
| Angled Endurance (AE) % Avg NSBF D/d = 10        | 78.21           |
| Angled Endurance (AE) % Avg NSBF D/d = 5         | 75.13           |
| Average Immediate Strain (e) %LDBF:10            | 1.33            |
| Average Immediate Strain (e) %LDBF:20            | 2.50            |
| Average Immediate Strain (e) %LDBF:30            | 3.50            |
| Average Immediate Strain (e) %LDBF:40            | 4.36            |
| Average Immediate Strain (e) %LDBF:50            | 5.24            |
| Axial Compression Resistance (ACR)               | 94.53% Avg NSBF |
| LDBF [kN] (from)                                 | 316             |
| LDBF [kN] (up to)                                | 397             |
| LDBF [t] (from)                                  | 32.1            |
| LDBF [t] (up to)                                 | 40.5            |
| Line Design Break Force (LDBF)                   | 40.5            |
| Temperature (T) % BF at 20°C -20C                | 135/101         |
| Temperature (T) % BF at 20°C 0C                  | 124/103         |
| Temperature (T) % BF at 20°C 20C                 | 100/100         |
| Temperature (T) % BF at 20°C 40C                 | 84/93           |
| Temperature (T) % BF at 20°C 60C                 | 72/89           |
| Temperature (T) % BF at 20°C 80C                 | 57/89           |
| Unspliced MBL [t]                                | 45.0            |
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Performance data

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

Approvals

Snapback arrestor is a Verified Product by DNV GL.  
Timm Master 12 is Type Approved by DNV GL. This product is produced according to ISO 9554 and tested according to ISO 2307. Minimum Breaking Load (MBL) is according to  
ISO 10556 and verified by DNV GL.

Manufactured acc. to => ISO 9554, ISO 10556  
Tested acc. to => ISO 2307, CI 1500A, DNVGL-CP-0100  
Type Approval No => TAK0000094  
X- Type Approval No => TAK0000094

Documents

[SDoC411032](#)

[SDoC and MD for IHM](#)

[Wilhelmsen Use and Care Timm Master 12 SBA](#)