

Last updated: 08/08/2024 06:47:33

TIMM MASTER 12 SBA F45 [51MM] 220M

Product group: **327** Product number: **411036**

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

Dimensions/Weight

Diameter [mm]	51
Length	220
Length [m]	220

Performance data

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

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	1,8m mesh braid protected eyes
Jacketed	false
Line Construction	12x1 braided
Line Linear Density (LLD)	1.424 kg/m
Line Tenacity (LT) Maximum	38.41 t/kg/m
Line Tenacity (LT) Maximum (kN/m)	0.38 kN/m
Line Tenacity (LT) Measured	38.04 t/kg/m
Load Bearing Linear Density (LBLD)	1.362 kg/m
Melting point	165°C
NSBF (if requested)	Not requested
Rotating	false
Splice type and design	TM12 2G

Technical data

Angled Break Force (ABF) % Avg NSBF D/d = 10	192.22 (96.10)
Angled Break Force (ABF) % Avg NSBF D/d = 5	195.17 (97.58)
Angled Endurance (AE) % Avg NSBF D/d = 10	68.07
Angled Endurance (AE) % Avg NSBF D/d = 5	79.81
Average Immediate Strain (e) %LDBF:10	1.06
Average Immediate Strain (e) %LDBF:20	2.37
Average Immediate Strain (e) %LDBF:30	3.55
Average Immediate Strain (e) %LDBF:40	4.66
Average Immediate Strain (e) %LDBF:50	5.72
Axial Compression Resistance (ACR)	102.5% Avg NSBF
LDBF [kN] (from)	398
LDBF [kN] (up to)	508
LDBF [t] (from)	40.5
LDBF [t] (up to)	51.8
Line Design Break Force (LDBF)	51.8
Temperature (T) % BF at 20°C -20C	107.6/109/115
Temperature (T) % BF at 20°C 0C	108.5/109/105
Temperature (T) % BF at 20°C 20C	100/100/100
Temperature (T) % BF at 20°C 40C	89.3/98/95
Temperature (T) % BF at 20°C 60C	77.5/92/90
Temperature (T) % BF at 20°C 80C	55/88/82
Unspliced MBL [t]	57.5

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

Documents

[SDoC411036](#)

[SDoC and MD for IHM](#)

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

This page is printed from

<https://www.wilhelmsen.com/product-catalogue/products/ropes/conventional-mooring-ropes/timm-master-12-sba/timm-master-12-sba-f45-51mm-220m/>