Wilhelmsen Ships Service

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TIMM MASTER 12 SBA F120 [81MM] 200M

Product group: **327** Product number: **411206**

Product information

Timm Master 12 SBA is a mixed polymer rope solution, using the same material composition as our most-selling premium Timm Master 8 combined with Timm Snapback Arrestor for improved safety when mooring. Our Timm Master ropes are supplying some of the world's largest shipping companies. This is a flexible and easily handled product made from polyolefn yarn and high tenacity polyester, with 18% elongation at break.
When a mooring rope breaks, the snap back of the rope can cause dangerous situations. In the worst cases, snap back of a mooring rope can hurt the crew onboard or people standing on land. Timm have developed a state-of-the-art snapback arrestor which reduces the snapback if a rope breaks. It works by having an elongating core, and will delay the snapback forces if the main rope breaks. The snapback arrestor is optimized to the rope diameter and strength, to mitigate the severe risk of snapback.
The anti-twisting colors of the mooring rope will help the crew to determine if the rope is twisting, which might be negative for the strength and lifetime of the rope. Timm Master 12 SBA has very good abrasion resistance, having high tenacity polyester in the outer parts of the strands. The product is buoyant with excellent UV resistance. Having one of the best strength-to-weight ratios on the market, this rope will serve as a light-weight and reliable solution, suitable for all vessel types.

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	Mixed 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	1,8mm mesh braid protected eyes
Jacketed	false
Line Construction	12x1 braided
Line Linear Density (LLD)	3,532 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	37,70 t/kg/m
Load Bearing Linear Density (LBLD)	3,411 kg/m
Melting point	165°C
NSBF (if requested)	Not requested
Rotating	false
Splice type and design	TM12 2G

Dimensions/Weight

Diameter [mm]	81
Length	200
Length [m]	200

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)	1029
LDBF [kN] (up to)	1261
LDBF [t] (from)	104.9
LDBF [t] (up to)	128.5
Line Design Break Force (LDBF)	128.5
Spliced MBL DRY [kN]	128.6
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]	142.9

Performance data

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

Approvals

Snapback arrestor is a Verifed 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 verifed by DNV GL.

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

Documents

Wilhelmsen_Use and Care Timm Master 12 SBA_tag

SDoC and MD for IHM

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