

Last updated: 08/08/2024 06:47:34

TIMM MASTER 8 48MM 220M WHITE 2X1,8M EYE

Product group: **320** Product number: **410059**

Timm Master 8 is one of the most selling premium mixed polymer ropes. A reliable, flexible, and tough mooring rope suitable for all ship types.



Product information

Our most recognised product to date, long admired as a premium, mixed polymer rope solution. We have sold Timm Master to over 6,000 vessels worldwide. Our Master ropes are supplying a significant proportion of the world's largest shipping companies. This is a flexible and easily handled product made from our Timm Signal B5 polyolefin yarn and high tenacity polyester and has long been admired as a premium, mixed polymer mooring rope.

Master ropes have a low cost of ownership, very good abrasion properties and excellent UV resistance. The product is buoyant (<1% water absorption) and 18% elongation at break.

Features

- 8-strand plaited construction
- Buoyant
- Low-torque
- UV stabilised

Benefits

- Class leading strength-to-weight ratio
- High abrasion resistance
- Type approval from DNV GL
- Meets all OCIMF requirements
- Held in global stock inventory

Specification

General

Invent Hazard Material (IMO/EU) classification	NA
Material	Mxed polyolefins (B5 yarn) and HT FES
Material type and grade	Mxed polyolefins (B5 yarn) and HT FES

Physical properties

Colour	White with 3 black marking yarns
Construction	8-strand plaited rope
Density	0.99
Density [kg/m³]	0.99
Elongation [%]	18% at break
Eyes	1.8m protected eyes (FES)
Jacketed	false
Line Construction	8-strand braided
Line Linear Density (LLD)	1.207 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	38.09 t/kg/m
Load Bearing Linear Density (LBLD)	1.207 kg/m
Melting point	165°C
NSBF (if requested)	Not requested
Rotating	false
Splice type and design	Tuck (4S-4Z)x5

Dimensions/Weight

Diameter [mm]	48
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
Line Design Break Force (LDBF)	46
Spliced MBL/LDBF [kN]	451
Temperature (T) % BF at 20°C -20C	107.6/132
Temperature (T) % BF at 20°C 0C	108.5/132
Temperature (T) % BF at 20°C 20C	100/123
Temperature (T) % BF at 20°C 40C	89.3/121
Temperature (T) % BF at 20°C 60C	77.5/115
Temperature (T) % BF at 20°C 80C	55/111
Unspliced MBL [kN]	501
Unspliced MBL [t]	51.1

Performance data

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

Approvals

Type Approved Product 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

[SDoC and MD for IHM](#)

[Wilhelmsen Use and Care Timm Master 8](#)

This page is printed from

<https://www.wilhelmsen.com/product-catalogue/products/ropes/conventional-mooring-ropes/timm-master-8/timm-master-8-48mm-220m-451kn-spliced501kn-unspliced-white-2x18m-eye/>