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# TIMM MASTER 8 68MM 220M WHITE 2X1,8M EYE

Product group: **320** Product number: **410099**

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

<b>Invent Hazard Material (IMO/EU) classification</b>	NA
<b>Material</b>	Mixed polyolefins (B5 yarn) and HT PES
<b>Material type and grade</b>	Mixed polyolefins (B5 yarn) and HT PES

## Physical properties

<b>Colour</b>	White with 3 black marking yarns
<b>Construction</b>	8-strand plaited rope
<b>Density</b>	0.99
<b>Density [kg/m<sup>3</sup>]</b>	0.99
<b>Elongation [%]</b>	18% at break
<b>Eyes</b>	1.8m protected eyes (PES)
<b>Jacketed</b>	false
<b>Line Construction</b>	8-strand braided
<b>Line Linear Density (LLD)</b>	2.41 kg/m
<b>Line Tenacity (LT) Maximum</b>	38.41 t/kg/m
<b>Line Tenacity (LT) Maximum (kN/g/m)</b>	0.38 kN/g/m
<b>Line Tenacity (LT) Measured</b>	37.83 t/kg/m
<b>Load Bearing Linear Density (LBLD)</b>	2.41 kg/m
<b>Melting point</b>	165°C
<b>NSBF (if requested)</b>	Not requested
<b>Rotating</b>	false
<b>Splice type and design</b>	Tuck (4S-4Z)x5

## Dimensions/Weight

<b>Diameter [mm]</b>	68
<b>Length</b>	220
<b>Length [m]</b>	220

## Technical data

<b>Angled Break Force (ABF) % Avg NSBF D/d = 10</b>	181.42 (90.71)
<b>Angled Break Force (ABF) % Avg NSBF D/d = 5</b>	173.00 (86.50)
<b>Angled Endurance (AE) % Avg NSBF D/d = 10</b>	78.21
<b>Angled Endurance (AE) % Avg NSBF D/d = 5</b>	75.13
<b>Average Immediate Strain (e) %LDBF:10</b>	1.33
<b>Average Immediate Strain (e) %LDBF:20</b>	2.50
<b>Average Immediate Strain (e) %LDBF:30</b>	3.50
<b>Average Immediate Strain (e) %LDBF:40</b>	4.36
<b>Average Immediate Strain (e) %LDBF:50</b>	5.24
<b>Axial Compression Resistance (ACR)</b>	94.53% Avg NSBF
<b>Line Design Break Force (LDBF)</b>	91.2
<b>Spliced MBL/LDBF [kN]</b>	894
<b>Temperature (T) % BF at 20°C -20C</b>	107.6/139
<b>Temperature (T) % BF at 20°C 0C</b>	108.5/139
<b>Temperature (T) % BF at 20°C 20C</b>	100/130
<b>Temperature (T) % BF at 20°C 40C</b>	89.3/128
<b>Temperature (T) % BF at 20°C 60C</b>	77.5/122
<b>Temperature (T) % BF at 20°C 80C</b>	55/118
<b>Unspliced MBL [kN]</b>	994
<b>Unspliced MBL [t]</b>	101.3

## Performance data

<b>DN/GL</b>	Y
<b>SBA</b>	N
<b>Strength adjustment</b>	10%
<b>Var Range From</b>	100%
<b>Var Range To</b>	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

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

[SDoC and MD for IHM](#)

## Related products

Is frequently bought together with

**410051**

TIMMASTER 8 40MM220MWHITE 2X1,8MEYE

**410167**

TIMMASTER 8 TAIL 76MM11MWHITE 2X2,0MEYE

**410095**

TIMMASTER 8 64MM220MWHITE 2X1,8MEYE

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