

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

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

Dimensions/Weight

Diameter [mm]	68
Length [m]	220

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

Wilhelmsen\_Use and Care Timm Master 8

SDoC and MD for IHM

Related products

Physical properties

Colour	White with 3 black marking yarns
Construction	8-strand plaited rope
Density [kg/m3]	0.99
Elongation [%]	18% at break
Eyes	1.8m protected eyes (PES)
Jacketed	false
Line Construction	8-strand braided
Line Linear Density (LLD)	2.41 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	37.83 t/kg/m
Load Bearing Linear Density (LBLD)	2.41 kg/m
Melting point	165°C
NSBF (if requested)	Not requested
Rotating	false
Splice type and design	Tuck (4S-4Z)x5

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)	91.2
Spliced MBL/LDBF [kN]	894
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 [kN]	994
Unspliced MBL [t]	101.3

Is frequently bought together with

410051  
TIMMMASTER 8 40MM220MWHITE 2X1,8MEYE

410095  
TIMMMASTER 8 64MM220MWHITE 2X1,8MEYE

410167  
TIMMMASTER 8 TAIL 76MM11MWHITE 2X2,0MEYE

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