

## TIMM FLEX 8 RING 78MM 22M WHITE

Product group: **325**    Product number: **410668**

Timm Flex 8 Ring is an 8-strand ringtail with high elongation properties, making it ideal for mooring in the most challenging of sea terminals.



### Product information

Our specially designed mooring ringtails (pendants) are made to withstand tough swells, strong winds and currents. Timm Flex Ringtails have very high elongation properties, making them ideal for mooring in the most challenging of sea terminals. These ringtails are manufactured using our 8-strand braider, Viking 2. Mooring tails are used to protect the mooring lines and to allow ships to sway and move with the environment. Our flex ringtails have a high abrasion and UV resistance - providing a durable mooring solution and acting as an absorber for sudden energy changes. OCIMF recommends 22m polyamide tails as an exposed berth standard - for longer wave environments.

### Features

- Very high elongation
- 100% high tenacity PA fiber
- Protected eyes

### Benefits

- Excellent abrasion resistance
- Excellent UV resistance
- Smooth handling surface
- Suitable for challenging sea terminal conditions

## Specification

### General

Invent Hazard Material (IMO/EU) classification	NA
Material type and grade	PA 6 (Nylon)

### Dimensions/Weight

Diameter [mm]	78
Length [m]	22

### Performance data

DNVGL	N
SBA	N
Strength adjustment	10%
Var Range From	125%
Var Range To	130%

### Physical properties

Colour	White
Construction	8-strand plaited
Density [kg/m <sup>3</sup> ]	Approx. 1.14
Elongation [%]	40% at break
Jacketed	false
Line Construction	8-strand braided
Line Linear Density (LLD)	3.813 kg/m
Line Tenacity (LT) Maximum	32.14 t/kg/m
Line Tenacity (LT) Maximum (kN/g/m)	0.32 kN/g/m
Line Tenacity (LT) Measured	29.055 t/kg/m
Load Bearing Linear Density (LBLD)	3.813 kg/m
Melting point	250°C
NSBF (if requested)	Not requested
Rotating	false
Splice type and design	Tuck (4S-4Z)x5

### Technical data

Average Immediate Strain (e) %LDBF:10	4.9
Average Immediate Strain (e) %LDBF:20	8.1
Average Immediate Strain (e) %LDBF:30	10.7
Average Immediate Strain (e) %LDBF:40	13.2
Average Immediate Strain (e) %LDBF:50	15.5
Dynamic stiffness (Kex) Exposed	Under testing
Dynamic stiffness (Ksh) Sheltered	Under testing
Line Design Break Force (LDBF)	197
Spliced MBL DRY [kN]	
Spliced MBL DRY [t]	224
Spliced MBL/LDBF [kN]	1934
Tension-tension endurance CTF 20%	Under testing
Tension-tension endurance CTF 50%	Under testing
Unspliced MBL [kN]	-

## Approvals

Product is made according to ISO 1140. Tested breaking load is according to ISO 2307 and is measured without eye splices.

Manufactured acc. to => ISO 1140, ISO 9554

Tested acc. to => ISO 2307, CI 1500A, DNVGL-CP-0100

## Documents

[Timm Flex Ring - Use and Care Manual](#)

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