

# TIMM FLEX 8 TAIL 94MM 22M WHITE 2X1,8M EYE

Product group: **325**

Product number: **410996**

Product image

## Product information

This product supersedes product no: **410840**

Our specially designed mooring tails (pendants) are made to withstand tough swells, strong winds and currents. Timm Flex Tails have very high elongation properties, making them ideal for mooring in the most challenging of sea terminals.

Mooring tails are used to protect the mooring lines and to allow ships to sway and move with the environment.

Our flex tails have a high abrasion and UV resistance - providing a durable mooringsolution 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
- Suitable for challenging sea terminal conditions
- Protected eyes

## Benefits

- Smooth handling surface
- Excellent abrasion resistance
- Excellent UV resistance

## Specification

### General

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

### Physical properties

<b>Colour</b>	White
<b>Construction</b>	8-strand plaited
<b>Density [kg/m<sup>3</sup>]</b>	Approx. 1.14
<b>Elongation [%]</b>	40% at break
<b>Jacketed</b>	false
<b>Line Construction</b>	8-strand braided
<b>Line Linear Density (LLD)</b>	5.54 kg/m
<b>Line Tenacity (LT) Maximum</b>	32.14 t/kg/m
<b>Line Tenacity (LT) Maximum (kN/g/m)</b>	0.32 kN/g/m
<b>Line Tenacity (LT) Measured</b>	28.443 t/kg/m
<b>Load Bearing Linear Density (LBLD)</b>	5.54 kg/m
<b>Melting point</b>	250°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>	94
<b>Length [m]</b>	22

### Technical data

<b>Average Immediate Strain (e) %LDBF:10</b>	4.9
<b>Average Immediate Strain (e) %LDBF:20</b>	8.1
<b>Average Immediate Strain (e) %LDBF:30</b>	10.7
<b>Average Immediate Strain (e) %LDBF:40</b>	13.2
<b>Average Immediate Strain (e) %LDBF:50</b>	15.5
<b>Dynamic stiffness (Kex) Exposed</b>	Under testing
<b>Dynamic stiffness (Ksh) Sheltered</b>	Under testing
<b>Line Design Break Force (LDBF)</b>	157.7
<b>Spliced MBL DRY [kN]</b>	1758
<b>Spliced MBL DRY [t]</b>	179.2
<b>Spliced MBL/LDBF [kN]</b>	1547
<b>Tension-tension endurance CTF 20%</b>	Under testing
<b>Tension-tension endurance CTF 50%</b>	Under testing
<b>Unspliced MBL [t]</b>	199.2

### Performance data

<b>DNVGL</b>	N
<b>SBA</b>	N
<b>Strength adjustment</b>	10%
<b>Var Range From</b>	125%
<b>Var Range To</b>	130%

## 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 Tail - Use and Care Manual](#)

## Related products

### Is frequently bought together with

**410944** TIMM MASTER 8 TAIL 90MM 11M WHITE 2X2,0M  
EYE

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