

# HMS TITAN PLUS

HIGHEST TENSILE STRENGTH IN COMPOSITE ROPES, INCREASED AMOUNT OF HIGH-TENACITY POLYESTER MULTIFILAMENT FIBRES ON THE SURFACE OF THE ROPE STRANDS SIGNIFICANTLY INCREASES THE ABRASION RESISTANCE.

TITAN PLUS – an advanced braided composite 8-strand rope with one of the highest tensile strengths on the market. The basic material of the rope is a mixture of Polys and high-tenacity polyester fibres. High-tenacity polyester multifilament fibres on the surface of the rope strands increase abrasion resistance, resistance to warming-up of the rope surface with subsequent melting of surface fibres and resistance to UV degradation in which way the total service life of the rope is prolonged.

TITAN PLUS is very pleasant to the feel and easy spliceable.



## APPLICATIONS

- W TOWING LINES
- W OFFSHORE LINES
- W MOORING LINES
- W MOORING TAILS

## PARAMETERS

Material	PES high tenacity multifilament and POLYS fibres
Specific Gravity	1.14 kg/dm <sup>3</sup>
Floating	no
Melting temperature	260/165 °C
UV resistance	outstanding
Abrasion resistance	outstanding
Water absorption	max. 0.5 %
Dry and wet conditions	identical wet and dry conditions
TCLL value	79 %

Complies with OCIMF (MEG 2007)



Diameter	Circ.	Weight	MBL	MBL
mm	inch	kg/100 m	t	kN
36	4 1/2	80.0	34.3	336.0
40	5	108.0	42.8	420.0
44	5 1/2	124.0	50.3	493.0
48	6	148.0	59.4	583.0
52	6 1/2	173.0	69.3	680.0
56	7	201.0	80.0	785.0
60	7 1/2	231.0	91.2	895.0
64	8	263.0	103.0	1 010.0
68	8 1/2	296.0	116.2	1 140.0
72	9	332.0	129.5	1 270.0
76	9 1/2	370.0	143.7	1 410.0
80	10	411.0	158.0	1 550.0
84	10 1/2	454.0	172.3	1 690.0
88	11	497.0	190.6	1 870.0
96	12	590.0	225.3	2 210.0

Spliced Termination: -10 %  
MBL is in accordance with ISO 2307

## LOAD – ELONGATION CURVES FOR NEW AND USED ROPE

