

Type Approval Certificate


This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the LR Type Approval System.

This certificate is issued to:

PRODUCER	Ifis SpA Via P. Ianniello, 28 80027 Frattamaggiore (NA) Italy
PLACE OF PRODUCTION	Zona Asi Marcianise Sud 81025 Marcianise (CE) Italy
DESCRIPTION	Polypropylene and polyester/polypropylene mooring ropes.
TYPE	STAR 25 – polyester/polypropylene POLYSTAR - polypropylene
APPLICATION	Marine and offshore mooring ropes.
SPECIFIED STANDARDS	EN 14686 – Fibre ropes and high performance fibre ropes of polyester/polyolefin dual fibres; EN ISO 2307 – Ropes – Determination of certain physical and mechanical properties; EN 699 – Fibre ropes for general service – polypropylene.

Certificate No.	04/00110
Issue Date	7 December 2004
Expiry Date	6 December 2009
Sheet	1 of 2

Lloyd's Register EMEA
71 Fenchurch Street, London EC3M 4BS


P.F. Moysey
London Plan Approval
Lloyd's Register EMEA

RATINGS

Diameter (mm):

Breaking Strength (kN):

STAR 25

POLYSTAR

40	300	261
44	365	313
48	425	364
52	495	421
56	570	482
60	650	551
64	730	624
68	820	696
72	915	784
76	1010	870
80	1130	963
88	1360	1156
96	1610	1365
104	1890	1560
112	2200	1807
120	2500	2080

OTHER CONDITIONS


1. LR Type Approval does not eliminate any requirement for a test certificate where required for contractual or statutory requirements.
2. Quoted breaking strengths are minimum values, therefore no tested value may be below the stated minimum.

"This Certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid certificate."

The Design Appraisal Document No. 04/00110 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

Certificate No. 04/00110
Issue Date 7 December 2004
Expiry Date 6 December 2009
Sheet 2 of 2

Lloyd's Register EMEA
71 Fenchurch Street, London EC3M 4BS


P.F. Moysey
London Plan Approval
Lloyd's Register EMEA