

Type Approval Certificate

Certificate No.: 08-085907



This is to certify that

The Design of Wire Rope Sheaves made from Cast Polyamide

Ø 800 x 18 x Ø 150, SZ 250 kN

Ø 630 x 16 x Ø 130, SZ 200 kN

Ø 400 x 11 x Ø 90, SZ 80 kN

manufactured by

ENSINGER GmbH

Thierlsteiner Straße 14

D-93413 Cham

Is found to comply with

Germanischer Lloyd Rules for Lifting Appliances (1992)

Application / Restriction:

Wire Rope Sheaves for Lifting Appliances on board ships.

Operating Temperature – 40° C till + 45° C

Fleet Angle of Wire Ropes max. 3°

Other Conditions:

At least one Steel Sheave must be used in reeving Arrangement to provide the necessary Rope Wear Indicator.

Material: TECAST T

Basis of Approval:

1. Date Sheet / Technical Description
2. Works Inspection concluded on 1998-05-25
3. Drawings, approved by Germanischer Lloyd, Ref. No. 22139/98

Marking: Each Product is to be marked as follows:

1. Manufacturer Stamp
2. Rope Tension
3. Diameter of Wire Rope
4. Certificate No. of Type Approval: 08-085907

Expiry Date of Type Approval: 2014-03-04

Issued at Hamburg, 2009-03-05

Germanischer Lloyd

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