

APPROVAL OF MANUFACTURER CERTIFICATE

This is to certify:

That

**REDAELLI TECNA S.P.A. WIRE ROPES
GARDONE VAL TROMPIA AND TRIESTE PLANTS
GARDONE VAL TROMPIA BS, Italy**

is an approved manufacturer of
Steel Wire Ropes

in accordance with
**Det Norske Veritas' Rules for Classification Pt. 3
DNV-OS-E304 Offshore Steel Wire Ropes**

and the following particulars:

Products	Steel wire ropes for ship towlines and mooring lines, Steel wire ropes for mobile offshore mooring
Constructions	See page two
Max. Diameter	See page two

Manufacturer approved by this certificate is accepted to deliver according to DNV GL, DNV and GL rules.

This Certificate is valid until **2018-12-31**.

Issued at **Høvik** on **2015-09-04**

for **DNV GL**

DNV GL local station: **Milan**

Approval Engineer: **Sastry Yagnanna Kandukuri**

**Hanne Anita Hjerpetjønn
Head of Section**

Particulars of the approval

Steel wire ropes for ship towlines & mooring lines and mobile offshore mooring

Construction Group^{1),2)}	Max. Diameter (mm)
6x19	56
6x36	86
8x19	128
8x36	128
35(W)x7	128
40(W)x7	160
Pack 9	100

Remarks:

- 1) Including other constructions in the construction or classification group.
- 2) Requirements for construction groups that are not covered in DNV GL rules / standards shall be in accordance with a relevant recognized international standard or an approved specification.

Steel wire ropes for long term offshore mooring

Construction¹⁾	Max. Diameter (mm)
Spiral strand 1x 217	103

Remarks:

- 1) Min. breaking force acc. to ISO 10425 or a relevant recognized international standard or an approved specification.