

APPROVAL OF MANUFACTURER CERTIFICATE

This is to certify:

That

Fonderie Mora Gavardo S.p.A.
Via Giovanni Quarena, 207
25085 Gavardo BS,
Italyis an approved manufacturer of
Iron Castingsin accordance with
DNV GL rules for classification – Ships

and the following particulars:

Iron type	Grey cast iron, Nodular cast iron, see page 2
Casting method	Sand casting
Max. weight	60 000 kg
Max. wall thickness	300 mm
Heat treatment condition	As cast

Manufacturer(s) approved by this certificate is/are accepted to deliver according to DNV GL, DNV and GL rules. Materials to be applied to DNV GL classed object shall fulfill the material requirements in the applicable DNV GL class rules.

Issued at **Hamburg** on **2019-11-14**This Certificate is valid until **2022-12-31**.DNV GL local station: **Milan**for **DNV GL**Approval Engineer: **Christian Wildhagen**

Thorsten Lohmann
Head of Section

Job Id: **263.11-003678-3**
Certificate No: **AMMM0000141**
Revision No: **1**

Particulars of the approval

Cast iron

Iron type	Grade ³⁾	Casting method ¹⁾	Max. weight [kg]	Max. wall thickness [mm]	Heat treatment condition ²⁾
Grey	200	SC	60 000	300	AC
	250				
	300				
	350				
Nodular	VL NCI 370	SC	60 000	300	AC
	VL NCI 400				
	VL NCI 500				
	VL NCI 600				
	VL NCI 700				
	VL NCI 800				

Remarks:

- ¹⁾ SC: Sand casting
- ²⁾ AC: As cast
- ³⁾ Incl. equivalent grades in acc. to other standards