

# APPROVAL OF MANUFACTURER CERTIFICATE

**This is to certify:**

**That**

**FAED Grupo Empresarial, S.L.**  
**Polígono Industrial Requejada, parcela Z26, 39313 Polanco-Cantabria,**  
**Spain**

is an approved manufacturer of  
**Steel Castings**

in accordance with  
**DNV GL rules for classification – Ships**

and the following particulars:

<b>Application area</b>	<b>Stainless steel castings</b>
<b>Steel type</b>	<b>Castings for propellers</b>
<b>Casting method</b>	<b>Martensitic stainless,</b>
<b>Max. weight</b>	<b>Ferritic-martensitic stainless</b>
<b>Max. wall thickness</b>	<b>Sand casting,</b>
<b>Heat treatment condition</b>	<b>See page 2</b>
<b>Additional approval conditions</b>	<b>See page 2</b>

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 **2018-12-18**

for **DNV GL**

This Certificate is valid until **2021-12-17**.

DNV GL local station: **Bilbao**

Approval Engineer: **Enno Brück**

**Thorsten Lohmann**  
**Head of Section**



Job Id: **263.11-005037-2**  
Certificate No: **AMMM00002CR**

## Particulars of the approval

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### Stainless steel castings

Steel type <sup>3)</sup>	Casting method <sup>1)</sup>	Max. weight [kg]	Heat treatment condition <sup>2)</sup>
Martensitic	SC	6 205	QT
Ferritic-Martensitic	SC	6 205	QT

Remarks:

- 1) SC: Sand Casting
- 2) QT: Quenched and tempered
- 3) Certification of any material applied to classed object shall fulfill the applicable material requirements in the DNV GL class rules