



# APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:  
**AMMM000039N**

This is to certify:

That

**Forgiature Vitali S.r.l.**  
**Via Dei Fontanili 19/23 20141 Milano,**  
**Italy**

is an approved manufacturer of  
**Steel Forgings**

in accordance with  
**DNV rules for classification – Ships**  
**DNV class programme – DNV-CP-0247 Steel forgings**

and the following particulars:

<b>Application area</b>	<b>Forgings for shafting and machinery</b>
<b>Steel type</b>	<b>Carbon and carbon-manganese, Alloy, See page 2</b>
<b>Forging method</b>	<b>Open die forging</b>
<b>Max. weight</b>	<b>See page 2</b>
<b>Max. diameter / section</b>	<b>See page 2</b>
<b>Heat treatment condition</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 classed object shall fulfill the material requirements in the applicable DNV class rules.

Issued at **Hamburg** on **2025-03-20**

This Certificate is valid until **2028-03-19**.

DNV local unit: **Italy/Malta CMC**

Approval Engineer: **Christian Wildhagen**

for **DNV**



This document has been digitally signed and will  
therefore not have handwritten signature

Martin Wenning

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.

## Particulars of the approval

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### Forgings for shafting and machinery

Steel type	Grade <sup>3)</sup>	Forging method <sup>1)</sup>	Max. weight [kg]	Max. diameter / section [mm]	Heat treatment condition <sup>2)</sup>
C and C-Mn	NV F400U, NV F440U, NV F480U, NV F520U, NV F560U, NV F600U, NV F640U	OD	3000	260	N
Alloy	NV F600A, NV F700A, NV F800A, NV F900A	OD	3000	260	QT

Remarks:

- 1) OD: Open die forging  
 CD: Closed die forging
- 2) QT: Quenched and tempered  
 N: Normalised
- 3) Incl. equivalent grades in acc. to other standards

Special conditions:

- Heat treatment outsourced to DNV-approved heat treatment workshop