



APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMMM00002X9

This is to certify:

That

Varesina Stampi S.p.A.

Via Giuseppe Pozzi, 13 - 21040 Sumirago VA,
Italy

is an approved manufacturer of
Steel Forgings

in accordance with
DNV GL rules for classification – Ships

and the following particulars:

Application area	Forgings for shafting and machinery, Forgings for gearing
Steel type	Carbon and carbon-manganese, Alloy, See page 2
Forging method	Closed die forging
Max. weight	See page 2
Max. diameter / section	See page 2
Heat treatment condition	See page 2

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 **2021-11-12**

This Certificate is valid until **2024-11-11**.

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

Approval Engineer: **Christian Wildhagen**



for DNV

Digitally Signed By: Roehr, Stefan

Location: DNV GL Hamburg, Germany

Signing Date: 12.11.2021, on behalf of

Thorsten Lohmann
Head of Section

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.



Form code: AM 311

Revision: 2021-03

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Particulars of the approval

Forgings for shafting and machinery

Steel type	Grade ³⁾	Forging method ¹⁾	Max. weight [kg]	Max. diameter / section [mm]	Heat treatment condition ²⁾
C and C-Mn	VL F400U, VL F440U, VL F480U, VL F520U, VL F560U, VL F600U, VL F640U, VL F680U, VL F720U, VL F760U	CD	100	150	N, A, QT
Alloy	VL F600A, VL F700A, VL F800A, VL F900A	CD	100	150	QT

Forgings for gearing

Steel type	Grade ³⁾	Forging method ¹⁾	Max. weight [kg]	Max. diameter / section [mm]	Heat treatment condition ²⁾
C and C-Mn	VL F400U, VL F440U, VL F480U, VL F520U, VL F560U, VL F600U, VL F640U, VL F680U, VL F720U, VL F760U	CD	100	150	N, A, QT
Alloy	VL F600A, VL F700A, VL F800A, VL F900A	CD	100	150	QT

Remarks:

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



APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMMM00002XA

This is to certify:

That

Varesina Stampi S.p.A.
Via Ettore Ara, 1 - 13100 Vercelli VC,
Italy

is an approved manufacturer of
Steel Forgings

in accordance with
DNV GL rules for classification – Ships

and the following particulars:

Application area	Forgings for shafting and machinery, Forgings for gearing
Steel type	Carbon and carbon-manganese, Alloy, See page 2
Forging method	Closed die forging
Max. weight	See page 2
Max. diameter / section	See page 2
Heat treatment condition	See page 2

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Digitally Signed By: **Roehr, Stefan**

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Forgings for gearing

Steel type	Grade ³⁾	Forging method ¹⁾	Max. weight [kg]	Max. diameter / section [mm]	Heat treatment condition ²⁾
C and C-Mn	VL F400U, VL F440U, VL F480U, VL F520U, VL F560U, VL F600U, VL F640U, VL F680U, VL F720U, VL F760U	CD	100	150	N, A, QT
Alloy	VL F600A, VL F700A, VL F800A, VL F900A	CD	100	150	QT

Remarks:

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- 2) QT: Quenched and tempered
N: Normalised
A: Annealed
- 3) Incl. equivalent grades in acc. to other standards



APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMMM00002XB

This is to certify:

That

Varesina Stampi S.p.A.
Case Tenqua, 6 - 10070 Corio TO,
Italy

is an approved manufacturer of
Steel Forgings

in accordance with
DNV GL rules for classification – Ships

and the following particulars:

Application area	Forgings for shafting and machinery, Forgings for gearing
Steel type	Carbon and carbon-manganese, Alloy, See page 2
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Steel type	Grade ³⁾	Forging method ¹⁾	Max. weight [kg]	Max. diameter / section [mm]	Heat treatment condition ²⁾
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