

APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMMM0000209
Revision No:
1

This is to certify:

That

Acciaierie Valbruna S.p.A.
Viale della Scienza, 25 36100 Vicenza VI,
Italy

is an approved manufacturer of
Steel Forgings

in accordance with
DNV GL rules for classification – Ships

and the following particulars:

Application area	Stainless steel forgings
Steel type(s)	Austenitic stainless, Martensitic stainless, Austenitic-ferritic (duplex) stainless
Manufacturing method	Open die forging/hot rolling
Max. weight	See page 2
Max. diameter	See page 2
Heat treatment condition	See page 2
Special approval conditions	Including rolled bars intended for machining into components; Including semi-finished rolled or forged products for forging stock

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 **2021-03-19**

for **DNV**

This Certificate is valid until **2024-03-31**.

DNV local station: **Venice**

Approval Engineer: **Stefan Röhr**

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.



Particulars of the approval

Stainless steel forgings

Steel type / grade ³⁾	Forging method ¹⁾	Max. weight [kg]	Max. diameter [mm]	Heat treatment condition ²⁾
Austenitic stainless	OD, RB	5 500	155	SHT
Martensitic stainless	OD, RB	5 500	155	QT
Austenitic-ferritic (duplex) stainless	OD, RB	5 500	155	SHT

Remarks:

- 1) OD: Open die forging; RB: Rolled bars
- 2) QT: Quenched and tempered; SHT: Solution Heat Treated (Solution Annealing)
- 3) Stainless steel forgings shall be in accordance with recognised standards, e.g. EN 10222, ASTM A473/A965/A1049 and JIS G 3214. Recognition of other standards is subject to submission to the Society for evaluation

Special approval conditions

- Including rolled bars intended for machining into components;
- Including semi-finished rolled or forged products for forging stock