

# APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:  
**AMMM0000209**  
Revision No:  
**2**

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

and the following particulars:

<b>Application area</b>	<b>Stainless steel forgings</b>
<b>Steel type(s)</b>	<b>Austenitic stainless, Martensitic stainless, Austenitic-ferritic (duplex) stainless</b>
<b>Manufacturing method</b>	<b>Open die forging/hot rolling</b>
<b>Max. weight</b>	<b>See page 2</b>
<b>Max. diameter</b>	<b>See page 2</b>
<b>Heat treatment condition</b>	<b>See page 2</b>
<b>Special approval conditions</b>	<b>Including rolled bars intended for machining into components; Including semi-finished rolled or forged products for forging stock</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 **2024-04-22**

This Certificate is valid until **2027-03-31**.

DNV local unit: **Venice**

Approval Engineer: **Stefan Röhr**



for **DNV**

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

Christian Wildhagen

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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### Stainless steel forgings

Steel type / grade <sup>3)</sup>	Forging method <sup>1)</sup>	Max. weight [kg]	Max. diameter [mm]	Heat treatment condition <sup>2)</sup>
Austenitic stainless	OD	5 500	740	SHT
	RB	1 400	155	
Martensitic stainless	OD	5 500	740	QT
	RB	1 400	155	
Austenitic-ferritic (duplex) stainless	OD	5 500	740	SHT
	RB	1 400	155	

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