



**CERTIFICATE OF APPROVAL OF MANUFACTURERS OF
MATERIALS**
No. **FAB125521VE/001**

This is to certify that the manufacture of the product identified below is in compliance with the applicable requirements of the RINA Rules for the Approval of Manufacturers of Materials.

<i>Description</i>	Steel bars
<i>Type</i>	Austenitic - duplex - precipitation hardened stainless steel hot rolled or forged bars.
<i>Manufacturer</i>	ACCIAIERIE VALBRUNA S.P.A. - STABILIMENTO DI
<i>Place of manufacture</i>	VICENZA VIALE DELLA SCIENZA, 25 36100 Vicenza (VI) ITALY
<i>Reference standards</i>	RINA Rules for the approval of manufacturers of materials

Issued in **RINA Venice Marine** on **July 27, 2021**. This Certificate is valid until **July 27, 2026**



RINA Services S.p.A.
Elena Puglisi

This certificate consists of this page and 1 enclosure



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Austenitic - duplex - precipitation hardened stainless steel hot rolled or forged bars.

APPROVAL CONDITIONS

Steel grade, ref. standards, delivery conditions:

Steel grade	Ref. standards	Delivery condition
AISI 316 AISI 316L	ASTM A479/A479M EN 10088-3	Solution annealed
AISI XM19	ASTM A276 ASTM A479/A479M	Hot rolled/forged Solution annealed
AISI 630	ASTM A564/A564M EN 10088-3	Solution annealed Precipitation hardened
UNS S31803	ASTM A276 ASTM A479/A479M EN 10088-3	Solution annealed

Manufacturing process and dimensions: Rolled - max. diameter 160 mm
Forged - max. weight 5500 kg

Survey conditions: the bars are to be in compliance in all respects with the requirements specified in Part D Ch 2 Sec 1 and 3 of the RINA Rules and are to be tested accordingly.

General conditions for the approval

-The approval is granted on condition that the RINA Rules for the approval, manufacture, testing and certification of materials are complied with in all respects.

-RINA is to be notified of any change of materials, manufacturing process, quality control routines that may affect the validity of this certificate.

RINA Venice Marine July 27, 2021