



**CERTIFICATE OF APPROVAL OF MANUFACTURERS OF
MATERIALS**

No. FAB051316VE/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.
<i>Place of manufacture</i>	VIALE DELLA SCIENZA, 25 36100 VICENZA (VI) ITALY
<i>Reference standards</i>	RINA Rules for the approval of manufacturers of materials

Issued in **VENEZIA** on **May 24, 2016**. *This Certificate is valid until* **April 3, 2021**



**RINA Services S.p.A.
Daniele Chirulli**

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.

VENEZIA May 24, 2016

