



**CERTIFICATE OF APPROVAL OF MANUFACTURERS OF
MATERIALS
No. FAB095620TS**

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>	Alloy Steel Forgings Blooms, bars, sections Castings and rolled bars Semi-finished steel products Steel ingots
<i>Type</i>	Alloy Steel (high carbon) material type: 42CrMo4
<i>Applicant</i>	ABS ACCIAIERIE BERTOLI SAFAU S.P.A. VIA BUTTRIO 28 - FRAZ. CARGNACCO 33050 Pozzuolo Del Friuli (UD) ITALY
<i>Manufacturer</i>	ABS ACCIAIERIE BERTOLI SAFAU S.P.A.
<i>Place of manufacture</i>	VIA BUTTRIO 28 - FRAZ. CARGNACCO 33050 Pozzuolo Del Friuli (UD) ITALY
<i>Reference standards</i>	RINA Rules for the approval of manufacturers of materials; RINA Rules for Type Approval products, equipment and machinery
<i>Reference documents</i>	-

Issued in **Genoa** on **October 7, 2020**. *This Certificate is valid until* **September 23, 2025**



RINA Services S.p.A.
Daniele Chirulli

This certificate consists of this page and 1 enclosure



FAB095620TS

APPROVAL CONDITIONS

The approval is valid for steel quality 42CrMo4 only

Steelmaking: E.A.F/Ingots, Cont Cast

Semi-Finished Products:	Rolled Bars	Alloy	Max diameter mm 370,0
Semi Finished Products	Cast round section	Alloy	Max diameter mm 700,0
Semi-Finished Products	Rolled Square Bars	Alloy	Max Thickness mm 420,0
Bars as rolled (struct/Machin)	Fine Grain Al	Alloy	Max diameter mm 240,0
Bars Normalized (struct/Mach)	Fine Grain Al	Alloy	Max diameter mm 270,0

Survey conditions: all forgings to be used for construction of ships classed with RINA shall meet the requirements of the RINA Rules and be tested accordingly

GENERAL CONDITIONS FOR THE APPROVAL

- The approval is granted provided that RINA Rules for the approval, manufacturing, testing and certification of materials are complied with.
- RINA has to be notified of any change of materials, manufacturing process, quality control routines that may affect the validity of this Certificate.