



**CERTIFICATE OF APPROVAL OF MANUFACTURERS OF
MATERIALS
No. FAB020718TS**

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>	Carbon, Carbon - Manganese and Low Alloy Steel Forgings
<i>Type</i>	Open die forging
<i>Manufacturer</i>	CMF S.P.A.
<i>Place of manufacture</i>	VIA VINO DELLA PACE 32/D - 34 34071 Cormons (GO) ITALY
<i>Reference standards</i>	RINA Rules for the approval of manufacturers of materials

Issued in **TRIESTE** on **February 14, 2018**. *This Certificate is valid until* **February 14, 2023**



RINA Services S.p.A.



Chirulli Daniele
Marine Surveyor
RINA Services S.p.A.
1536

This certificate consists of this page and 1 enclosure



FAB020718TS
APPROVAL CONDITIONS

1. 1) Raw materials as ingots, blooms, billets, etc. to be supplied by approved Manufacturers
2. 2) Forgings can be supplied as per following heat treatment:
 - Normalizing;
 - Normalizing and tempering;
 - Stress relieving;
 - Quenching and tempering;
 - Annealing (were applicable);
 - Solution annealing (were applicable)

Maximum heat treatment batch weight: 20 t.

Survey conditions: all forgings used for RINA classed ships shall meet RINA Rules requirements in force.

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.