



**CERTIFICATE OF APPROVAL OF MANUFACTURERS OF
MATERIALS
No. FAB120823TS**

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>	Hot Rolled Steel Plates
<i>Type</i>	A, B, D, AH32, AH36, DH32, DH36, EH36
<i>Manufacturer</i>	MARCEGAGLIA PLATES S.P.A. - STABILIMENTO SAN
<i>Place of manufacture</i>	GIORGIO DI NOGARO VIA FERMI 33 33058 San Giorgio Di Nogaro (UD) ITALY
<i>Reference standards</i>	Norme RINA per l'approvazione dei fabbricanti di materiali
<i>Reference documents</i>	RINA Rules

Issued in **RINA Trieste Marine** on **November 29, 2023**. *This Certificate is valid until* **November 29, 2028**



Daniele Chirulli

RINA Services S.p.A.

This certificate consists of this page and 1 enclosure

FAB120823TS
APPROVAL CONDITIONS

Authorized base material supplier (slabs):

"Wuyang New Wide and Heavy Steel Plate Co., Ltd."

Steel making process: BOC Basic Oxygen Converter

Deoxidation practice, supply condition and thickness:

Steel grades	Deoxidation practice and grain refining elements	Supply condition	Max. thickness
A-B	Si / Al killed - fine grain Al	As rolled	40 mm
D	Si / Al killed - fine grain Al	Normalized	40 mm
AH32	Al+Nb and/or V	Normalized rolled	40 mm
AH36	Al+Nb and/or V	Normalized rolled	40 mm
DH32	Al+Nb and/or V	Normalized	40 mm
DH36	Al+Nb and/or V	Normalized	60 mm
EH36	Al+Nb and/or V	Normalized	40 mm

Plates are to be in compliance in all respects with the relevant RINA rules and are to be tested accordingly.

General approval conditions:

- Approval is granted on condition that RINA rules for the approval, manufacture, testing and certification of materials are fulfilled within all aspects.
- RINA is to be notified of any change of materials, manufacturing process or quality control routines that may affect the validity of the present certificate.