



**CERTIFICATE OF APPROVAL OF MANUFACTURERS OF
MATERIALS**

No. FAB035121TA/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>	Normal strength and higher strength structural steel plates
<i>Type</i>	Grade A-B-D-E-AH32-DH32-AH36-DH36-EH32-EH36
<i>Applicant</i>	Acciaierie d'Italia S.p.A. - Taranto Via Appia SS Km. 648 74123 Taranto (TA) ITALY
<i>Manufacturer</i>	Acciaierie d'Italia S.p.A. - Taranto
<i>Place of manufacture</i>	Via Appia SS Km. 648 74123 Taranto (TA) ITALY
<i>Reference standards</i>	RINA Rules for the approval of manufacturers of materials

Issued in **RINA Taranto Marine** on **May 21, 2021**. *This Certificate is valid until* **May 21, 2023**




RINA
Gianluca Ciurlia
RINA Services S.p.A.
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Gianluca Ciurlia

This certificate consists of this page and 1 enclosure



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Steel making process: slabs produced by basic oxygen converter

Casting process: CC Continuous casting

Deoxidation practice , condition of supply and thickness

Steel grades	Deoxidation practice and fine grained elements	Condition of supply and max thickness
A-B	Si + Al killed Al + Ti fine grained	TM up to 50 mm
A-B	Si + Al killed Al + Nb/Ti fine grained	TM from 50 to 80 mm
D	Si + Al killed Al + Ti fine grained	TM up to 80 mm
E	Si + Al killed Al + Nb/Ti fine grained	TM up to 80 mm
AH32-DH32	Si + Al killed Al + Ti fine grained	TM up to 30 mm
AH32-DH32	Si + Al killed Al + Nb/Ti fine grained	TM from 30 to 80 mm
AH36-DH36 EH32-EH36	Si + Al killed Al + Nb/Ti fine grained	TM up to 80 mm

The approval is valid also for plates from coils with thickness max 10 mm

TM: thermomechanical rolling

Through thickness properties : Z25, Z35

Survey conditions:

The plates are to be in compliance in all respects with the relevant 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.