



**CERTIFICATE OF APPROVAL OF MANUFACTURERS OF
MATERIALS**
No. FAB057223TS

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 hull steel plates
<i>Type</i>	Grades: A, B, D, AH32, AH36, DH32, DH36
<i>Manufacturer</i>	OFFICINE TECNOSIDER S.R.L.
<i>Place of manufacture</i>	VIA JACOPO LINUSSIO, 1 33058 San Giorgio Di Nogaro (UD) ITALY
<i>Reference standards</i>	RINA Rules for the approval of manufacturers of materials

Issued in **RINA Trieste Marine** on **May 25, 2023**. *This Certificate is valid until* **July 8, 2028**



RINA Services S.p.A.
Valter Muzic

This certificate consists of this page and 1 enclosure

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APPROVAL CONDITIONS

The following table summarizes the manufacturing limits and additional conditions for the approval:

Material grade	Steel making process	Casting process	Deoxidation process	Max Thickness (mm)	Delivery condition	Thru thickness
A, B	BOS	CC	Killed and fine grain treated	40	As Rolled	Z35
D	BOS	CC	Killed and fine grain treated	40	As Rolled	Z35
AH 32	BOS	CC	Killed and fine grain treated	40	Controlled Rolling	Z35
AH 36	BOS	CC	Killed and fine grain treated	40	Controlled Rolling	Z35
DH 32	BOS	CC	Killed and fine grain treated	40	Controlled Rolling	Z35
DH 36	BOS	CC	Killed and fine grain treated	40	Controlled Rolling	Z35

Notes:

BOS: Basic Oxygen Converter

CC: Continuous casting.

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.

RINA Trieste Marine May 25, 2023