



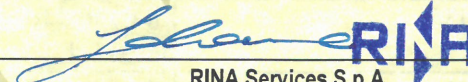
**CERTIFICATE OF APPROVAL OF MANUFACTURERS OF
MATERIALS**

No. FAB033320XP/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 Type</i>	Hull steel bulb flats and sections Hot Rolled Steel Products of Normal and High Tensile Strength. Hull Steel Grade A, AH32, AH36, DH32, DH36. Bar Steel Grade S 355J2.
<i>Manufacturer Place of manufacture</i>	HUTA BANKOWA SP. Z O.O. UL. SOBIESKIEGO 24 41-300 Dąbrowa Górnicza POLAND
<i>Reference standards</i>	RINA Rules for the approval of manufacturers of materials

Issued in **RINA Poland Marine** on **May 4, 2020**. This Certificate is valid until **May 5, 2025**


RINA Services S.p.A.

Adam Konrad Lobodzinski

Adam K. Łobodziński
Principal Marine Surveyor
Head of Poland Marine
Jurisdiction: Poland,
Slovakia, Czech Republic

This certificate consists of this page and 1 enclosure



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Hot Rolled Steel Products of Normal and High Tensile Strength. Hull Steel Grade A, AH32, AH36, DH32, DH36.

Bar Steel Grade S 355J2.

APPROVAL CONDITIONS

Steel making : BOC Basic Oxygen converter

Casting process: CC Continuous casting

Deoxidation practice, condition of supply and thickness:

STEEL GRADE	DEOXIDATION PRACTICE AND FINE-GRAINED ELEMENTS	CONDITIONS OF SUPPLY AND MAX THICKNESS
A	killed	as rolled - 13 mm
AH32, AH36	killed	as rolled - 13 mm
AH32, AH36	all treated for fine grained vacuum degassed	as rolled - 13 mm
DH32, DH36	all treated for fine grained vacuum degassed	as rolled - 13 mm

Survey conditions:

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

RINA
Adam K. Łobodziński
Principal Marine Surveyor
Head of Poland Marine
Jurisdiction: Poland,
Slovakia, Czech Republic

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

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