



**CERTIFICATE OF APPROVAL OF MANUFACTURERS OF
MATERIALS
No. FAB006320XW**

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>	Hull steel plates and Steel Plates
<i>Type</i>	STEEL ROLLED PRODUCTS PLATES MADE FROM COILS OF AUSTENIC FERRITIC-AUSTENITIC STEEL AND NICKEL-BASE ALLOYS BY ELECTRIC ARC FURNACE CONTINUOUS CASTING HEAT TREATED.
<i>Manufacturer</i>	OUTOKUMPU STAINLESS AB
<i>Place of manufacture</i>	Bergsnäsgatan 11 BOX 74 SE-774 22 Avesta
<i>Reference standards</i>	RINA Rules for the approval of manufacturers of materials

Issued in **RINA Sweden Marine** on **March 24, 2023**. *This Certificate is valid until* **March 23, 2026**


RINA Joel Holmgren
Marine Surveyor
RINA Sweden AB
27324

**RINA Services S.p.A.
Joel Micael Holmgren**

This certificate consists of this page and 1 enclosure

CERTIFICATE OF APPROVAL OF MANUFACTURERS OF MATERIALSNo. **FAB006320XW****Enclosure - Page 1 of 1****STEEL ROLLED PRODUCTS****APPROVAL CONDITIONS**

Steelmaking	Cast	Grades	Thickness (mm)
Sheet and Plates from Coils: Solution Treated	Austenitic Stainless Steel and Nickel-base Alloys	316Ti, 304L, 304LN, 316L, 321, 347, UNS31254, S32654, N08904, N08926, N08367 and N08825	Max. 13
Sheet and Plates from Coils: Solution Treated	Duplex Stainless Steel	UNS S31803, UNS S32205, UNS S32101, UNS S32304, UNS 32750, UNS 32760 and UNSS82441	Max. 10
Coils Solution Treated	Austenitic Stainless Steel and Nickel-base Alloys	316Ti, 304L, 304LN, 316L, 321, 347, UNS31254, S32654, N08904, N08926, N08367 and N08825	Max. 13
Coils Solution Treated	Duplex Stainless Steel	UNS S31803, UNS S32205, UNS S32101, UNS S32304, UNS 32750, UNS 32760 and UNSS82441	Max. 10

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

- For the grade 304L, the content of Ni content in EN standard is lower than the one in RINA rules, hereby approval to use this grade to be granted on case to case basis by Plan Approval.

STOCKHOLM 2023-03-24