



**CERTIFICATE OF APPROVAL OF MANUFACTURERS OF
MATERIALS
No. FAB012624CF**

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>	Seamless steel tubes and pipes in austenitic and austenitic-ferritic (duplex) stainless steel
<i>Type</i>	Seamless steel tubes and pipes in austenitic and austenitic-ferritic(duplex) stainless steel RINA GRADE:304/304L 316/316L 321 347 AND UNS31803
<i>Applicant</i>	MAXIM TUBES COMPANY PVT LTD Survey No.105/106, Near 66KV Sub Station, Pansar Road Ahmedabad-Mehsana Highway, Chhatral, Dist - Ga 382729 Ahmedabad (Gujarat-24) INDIA
<i>Manufacturer</i>	MAXIM TUBES COMPANY PVT LTD
<i>Place of manufacture</i>	Survey No.105/106, Near 66KV Sub Station, Pansar Road Ahmedabad-Mehsana Highway, Chhatral, Dist - Ga 382729 Ahmedabad (Gujarat-24) INDIA
<i>Reference standards</i>	RINA Rules for the approval of manufacturers of materials

Issued in **RINA India Marine** on **June 24, 2024**. This Certificate is valid until **June 6, 2029**



Aswin Palliath

RINA Services S.p.A.

This certificate consists of this page and 1 enclosure



CERTIFICATE OF APPROVAL OF MANUFACTURERS OF MATERIALS

No. FAB012624CF

Enclosure - Page 1 of 1

Seamless steel tubes and pipes in austenitic and austenitic-ferritic(duplex) stainless steel

APPROVAL CONDITIONS

Size range

Outside diameter: 65 to 135mm (Hot piercing), 10 to 323.9mm (Cold process)

Wall Thickness: 5 to 20mm (Hot piercing), 0.5 to 12.7mm (Cold process)

Manufacturing process : Hot Piercing/Cold Pilgering and cold draw

Heat treatment : Solution annealing to minimum temperature as below for grades and quenching by cooling rapidly with water.

Grades:	Min. Temperature
304, 304L, 316, 316L	1040 deg. C
321, 347	1040-1065 deg. C
UNS 31803	1020-1100 deg. C

Survey conditions:

The pipes are to be in compliance in all respects with the requirements specified in Part D Ch 2 Sec2 of the RINA Rules and are to be tested accordingly.

Note: The raw material to be provided by RINA approved manufacturer

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 India Marine June 24, 2024