

CERTIFICATE OF APPROVAL OF MANUFACTURERS OF MATERIALS No. FAB399123WS

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.

Description Steel ingots

Type Carbon and carbon-manganese steel and alloy steel

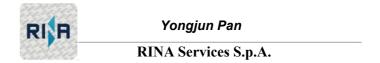
Manufacturer Jinlei Technology Co., Ltd.

Place of manufacture No.18, Shuangyuan Street, Gangcheng District Jinan (Shandong)

CHINA

Reference standards RINA Rules for the approval of manufacturers of materials

Issued in RINA China Marine on April 17, 2024. This Certificate is valid until April 16, 2029



This certificate consists of this page and 1 enclosure

RINA Services S.p.A. Via Corsica, 12 - 16128 Genova Tel +39 010 53851 Fax +39 010 5351000

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Enclosure - Page 1 of 1 Carbon and carbon-manganese steel and alloy steel

APPROVAL CONDITIONS

Approval particulars:

- Steel making process: Basic Oxygen Convertor;

- Casting process: Continuous Casting;

- Deoxidation practice, condition of supply and dimension:

Steel Type	Production	Deoxidation	Max. weight (t)	Heat
	process	practice and		Treatment
	-	fine grain elements		
C, C-Mn Steel	EAF+LF+VD+IC	Killed; Al	85	Annealing
Alloy Steel	EAF+LF+VD+IC	Killed; Al	85	Annealing

Note: EAF: Electric Arc Furnace LF: Ladle Furnace; VD: Vacuum Degassing; IC: Ingot casting

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 China Marine 04/17/2024