



**CERTIFICATE OF APPROVAL OF MANUFACTURERS OF  
MATERIALS**  
No. FAB041323PU

**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>	<b>Steel forgings for machinery</b>
<i>Type</i>	<b>carbon; carbon-manganese; low alloy steel forgings max. weight 20,000 kg</b>
<i>Manufacturer</i>	<b>INNO STEEL CO., LTD.</b>
<i>Place of manufacture</i>	<b>62, Angok-ro 333beon-gil, Hallim-myeon 50852 Gimhae-Si (Gyeongsangnam-do) REPUBLIC OF KOREA</b>
<i>Reference standards</i>	<b>RINA Rules for the approval of manufacturers of materials</b>

Issued in **BUSAN** on **March 17, 2023**. This Certificate is valid until **March 7, 2028**



RINA Services S.p.A.  
**Cheol-Ho You**

This certificate consists of this page and 1 enclosure





**CERTIFICATE OF APPROVAL OF MANUFACTURERS OF MATERIALS**

No. FAB041323PU

Enclosure - Page 1 of 1

carbon

carbon-manganese

low alloy steel forgings max. weight 20,000 kg

**APPROVAL CONDITIONS**

**Steel making products :** steel ingot, bloom, slab from approved manufacturers

**Steel types:** carbon, carbon-manganese, low alloy.

**Forging process:** open die forging.

**Heat treatment:** normalizing, quenching and tempering

**Survey conditions:** all forgings to be used for construction of ships and machinery classed with RINA shall meet the requirements of the RINA Rules and shall be tested accordingly.

**General conditions for the approval**

- o 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.
- o RINA is to be notified of any change of materials, manufacturing process, quality control routines that may affect the validity of this certificate.



*Chyen*

**BUSAN March 17, 2023**

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

