



**CERTIFICATE OF APPROVAL OF MANUFACTURERS OF  
MATERIALS  
No. FAB104224PU**

**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>Semi-finished steel products for forgings</b>                                |
| <i>Type</i>                 | <b>Carbon; carbon manganese and alloy steel ingots &amp; blooms</b>             |
| <i>Manufacturer</i>         | <b>SEAH BESTEEL CORPORATION - GUNSAN PLANT</b>                                  |
| <i>Place of manufacture</i> | <b>522, Oehang-ro,<br/>54007 Gunsan-Si (Jeollabuk-do)<br/>REPUBLIC OF KOREA</b> |
| <i>Reference standards</i>  | <b>RINA Rules for the approval of manufacturers of materials</b>                |

*Issued in* **BUSAN** on **June 13, 2024**. *This Certificate is valid until* **July 23, 2029**



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**RINA Services S.p.A.**

This certificate consists of this page and 1 enclosure



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Enclosure - Page 1 of 1

Carbon

**carbon manganese and alloy steel ingots & blooms**

**APPROVAL CONDITIONS**

**Steel making process:** electric arc furnace, ingot casting and continuous casting for bloom

**Max. weight and size :** Ingot - max. 155 ton for C & C-Mn steel, max. 154.4 ton for alloy steel  
Bloom - max. 390mm x 510mm

**Delivery condition:** as casted

**Survey conditions:** the final forgings to be used for construction of ships classed with RINA are to be in compliance with the requirements of the RINA Rules and are to 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.

**BUSAN 06/13/2024**



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