



**CERTIFICATE OF APPROVAL OF MANUFACTURERS OF
MATERIALS**
No. **FAB091919PU**

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>	Semi-finished steel products for forgings
<i>Type</i>	Carbon; carbon manganese and alloy steel ingots & blooms
<i>Manufacturer</i>	SEAH BESTEEL CORPORATION
<i>Place of manufacture</i>	522, OEHANG-RO (SORYONG-DONG) 573-711 GUNSAN-SI, JEOLLABUK-DO REPUBLIC OF KOREA
<i>Reference standards</i>	RINA Rules for the approval of manufacturers of materials

Issued in **BUSAN** on **September 2, 2019**. This Certificate is valid until **July 23, 2024**




RINA Services S.p.A.
Dong-Hun Lee

This certificate consists of this page and 1 enclosure



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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.



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BUSAN September 2, 2019