



**CERTIFICATE OF APPROVAL OF MANUFACTURERS OF  
MATERIALS**  
No. FAB038421PU

**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>Normal strength and higher strength hull steel sections and bars</b>
<i>Type</i>	<b>Grade A - AH32 - AH36</b>
<i>Manufacturer</i>	<b>KOREA STEEL CO., LTD. - NOKSAN WORKS</b>
<i>Place of manufacture</i>	<b>84, Noksansandan 407-ro, Gangseo-gu, 46755 Busan REPUBLIC OF KOREA</b>
<i>Reference standards</i>	<b>RINA Rules for the approval of manufacturers of materials</b>

Issued in **BUSAN** on **May 24, 2021**. This Certificate is valid until **May 23, 2026**



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

This certificate consists of this page and 1 enclosure



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Grade A - AH32 - AH36

**APPROVAL CONDITIONS**

**Steel making process:** billet supplied from approved manufacturers, continuous casting

**Deoxidation practice, condition of supply and thickness:**

Steel grades	Deoxidation practice and fine grained elements	Condition of supply and max. thickness
A	Si killed	As rolled - section : 15 mm flat bar : 30 mm
AH32 - AH36	Si killed / Al + V	As rolled - section : 15 mm flat bar : 30 mm

**Survey conditions:** the products are to be in compliance in all respects with the relevant 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 May 24, 2021**



Handwritten signature or initials.

