



CERTIFICATE NUMBER
ROB-T2218226

ISSUING OFFICE
Houston Materials

CERTIFICATE OF ROLLED BAR FACILITY AND PROCESS APPROVAL

This is to certify that a representative of ABS did, at the request of
SEAH CHANGWON INTEGRATED SPECIAL STEEL CORPORATION
147 JEOKHYEON-RO, CHANGWON, Korea, Republic of

attend its facilities as indicated in the ABS Busan port office survey report number 5116006 dated 21 January 2022 in order to carry out a survey of the facilities and associated quality procedures. The facility is considered capable of manufacturing

Rolled bar for machinery components for marine applications

in accordance with the ABS Approval letter (Reference T2218226), ABS Rules, designated standards and ABS approved drawings. The approval is valid till 20 January 2027 subject to adherence to relevant ABS Rules and Survey requirements.

Marcus Cridland
Chief Metallurgist, ABS

ISSUE DATE: 21 January 2022
EXPIRY DATE: 20 January 2027

FIRST ANNUAL ENDORSEMENT: 5622266
sole 03 Jan. 2023

SECOND ANNUAL ENDORSEMENT: 6217898
YOUNG-HAE PARK 25 Jan. 2024

THIRD ANNUAL ENDORSEMENT:

FOURTH ANNUAL ENDORSEMENT:

NOTE: This certificate evidences compliance with one or more of the Rules, Guides, standards or other criteria of ABS or a statutory, industrial or manufacture standard. It is issued solely for the use of ABS's committees, clients or other authorized entities. This Certificate is a representation only that the structure, item, material, equipment, machinery or any other item covered by this Certificate has met one or more of the Rules, Guides, standards or other criteria of ABS as of the date of issue. Parties are advised to review the Rules for the scope and conditions of classification and to review the survey records for a full description of any restrictions or limitation of the vessel, service or survey. The validity, applicability, and interpretation of this Certificate is governed by the Rules and standards of ABS which shall remain the sole judge thereof. Nothing contained in this Certificate or in any notation made in connection therewith shall be deemed to be a warranty, design, builder's or manufacturer's liability, supplier's or repairer's liability or other warranty, liability or implied.



CERTIFICATE NUMBER
ROB-00T2218226-1
ISSUING OFFICE
Houston Materials

CERTIFICATE OF ROLLED BAR FOR MACHINERY FACILITY AND PROCESS APPROVAL

This is to certify that a representative of ABS did, at the request of
SEAH CHANGWON INTEGRATED SPECIAL STEEL CORPORATION
147 JEOKHYEON-RO, CHANGWON, Korea, Republic of
attend its facilities as indicated in the ABS Busan Port port office survey report number 5116006 dated 21
January 2022 in order to carry out a survey of the facilities and associated quality procedures. The facility is
considered capable of manufacturing

Steel and Stainless Steel rolled bars for marine machinery applications

in accordance with the ABS Approval letter (Reference WO0120535), ABS Rules, designated standards
and ABS approved drawings. The approval is valid till 20 January 2027 subject to adherence to relevant
ABS Rules, Survey requirements and annual endorsement by an ABS representative.

Marcus Cridland
Chief Metallurgist, ABS

ISSUE DATE: 20 February 2023
EXPIRY DATE: 19 February 2028

FIRST ANNUAL
ENDORSEMENT:

SECOND ANNUAL
ENDORSEMENT:

THIRD ANNUAL
ENDORSEMENT:

FOURTH ANNUAL
ENDORSEMENT:

Young-Hae Park 6849935
13 FEB. 2025
Young-Hae Park 7512373
17 Mar. 2026

NOTE: This certificate evidences compliance with one or more of the Rules, Guides, standards or other criteria of ABS or a statutory, industrial or manufacturer's standards. It is issued solely for the use of ABS, its committees, its clients or other authorized entities. This Certificate is a representation only that the structure, item of material, equipment, machinery or any other item covered by this Certificate has met one or more of the Rules, Guides, standards or other criteria of ABS as of the date of issue. Parties are advised to review the Rules for the scope and conditions of classification and to review the survey records for a full description of any restrictions or limitation on the vessel's service or surveys. The validity, applicability and interpretation of this Certificate is governed by the Rules and standards of ABS who shall remain the sole judge thereof. Nothing contained in this Certificate or in any notation made in contemplation of this Certificate shall be deemed to relieve any designer, builder, owner, manufacturer, seller, supplier, repairer, operator or other entity of any warranty express or implied.

Process/Product Approval

Certificate No. ROB-00T2218226-1

Grade	Non-ABS Grades: - Carbon, C-Mn & Low-Alloy Steels	Non-ABS Grades: - Austenitic Stainless Steels
Melting Practice	Electric Arc Furnace	
Maximum Weight	N/A	
Maximum Diameter	125 mm	320 mm
Heat treatment facility	In-house	
Application Examples	Hot Rolled Bar for Machinery Applications	

Note: Weld repair is generally not permitted, unless specially approved by the ABS Engineering Office.