



Marine & Offshore

Certificate number: SMS.W.II./11240/F.1

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RECOGNITION FOR BV MODE II SCHEME

SeAH Besteel Corporation
Jeollabuk-do - KOREA (REPUBLIC OF)

Summary of the range of the recognition which is detailed in the subsequent page(s):

1. Round bars for the Manufacture of Offshore and/or Ship Anchor chain cables, Steel grade: QR3, QR3S, QR4, QR4S, QR5 & Q2, Q3
2. Hot rolled round bars in carbon and alloy steels, Diameter: Up to 350mm
3. Crank throw for semi-built crankshaft, Weight: Up to 40tons
4. Free Forgings in Carbon, Carbon-manganese, Wight: Up to 100tons
5. Free Forgings in Low alloy & Alloy steels, Weight: Up to 110tons
6. Semi-finished products for forged and rolled products, Type: Ingot, Bloom & Billet

This certificate is issued to attest that Bureau Veritas Marine & Offshore has performed, at the above company's request and in compliance with the requirements of NR320, a satisfactory assessment of the manufacturing facilities and associated quality procedures related to the range of the recognition.

This certificate will expire on: 23 May 2025

For BUREAU VERITAS,
At BV PUSAN, on 28 Mar 2022,
Won-jun JANG

This certificate was created electronically and is valid without signature



This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with. This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against Bureau Veritas Marine & Offshore for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

The electronic version is available at: <http://www.veristarp.com/veristarnb/jsp/viewPublicPdfRecognition.jsp?id=iygkg2bjd4>

THE SCHEDULE OF RECOGNITION

1. RANGE OF THE RECOGNITION

The products listed in the table below are to be certified individually or per batch by Bureau Veritas Marine & Offshore in compliance with the applicable requirements (IBV products as defined in NR320).

App. number	Validity date	Item designation	Trade name
14545/D0 BV	19 Feb 2026	ROUND BARS FOR OFFSHORE MOORING CHAIN CABLE - 9019I	Round bar in steel grade QR3, QR3S and QR4.
14546/D0 BV	30 Aug 2024	ROLLED PRODUCTS FOR MACHINERY AND EQUIPMENT - 9015I	Hot rolled round bars in carbon steels and low alloy steels.
23883/C0 BV	20 Apr 2027	STEEL FORGINGS - 8153I	Crank Throw for semi-built crankshaft in carbon manganese steels of maximum weight 40 tons.
27600/B0 BV	14 Dec 2022	ROUND BARS FOR SHIP ANCHOR CHAIN CABLE - 9018I	Round bars in steel grade Q2 and Q3.
27601/B1 BV	14 Dec 2022	ROUND BARS FOR OFFSHORE MOORING CHAIN CABLE - 9019I	Round bar in steel grades QR4S and QR5.

The products corresponding to the categories listed in the table below are to be certified individually or per batch by Bureau Veritas Marine & Offshore in compliance with the applicable requirements (IBV products as defined in NR320).

Generic product	Description
FORGING	Free Forgings in Low alloy & Alloy steels, Specified minimum tensile strength: Up to 800N/mm ² (Grade: BV/FA800), Weight: Up to 110tons
FORGING	Free Forgings in Carbon, Carbon-manganese, Specified minimum tensile strength: Up to 690N/mm ² (Typical grade: JIS G3201 SF590A), Weight: Up to 100tons

The products listed in the table below are not required to be certified individually or per batch by Bureau Veritas Marine & Offshore. Their compliance with the approved type is solely certified by the manufacturer using its own format of document and marking to allow traceability to the approved type (HBV products as defined in NR320).

App. number	Validity date	Item designation	Trade name
22083/C0 BV	30 Aug 2024	SEMI-FINISHED PRODUCTS - 8999H	Ingots, blooms and billets for forged and rolled products in C-Mn and alloy steels.

2. LIMITATIONS

The certificates listed in the range of recognition are to be valid, as applicable.

Bureau Veritas Marine & Offshore is to be informed immediately of any modification to manufacturing facilities and associated quality procedures in order to agree on appropriate actions.

SeAH Besteel Corporation has to apply for the periodical audits as agreed with Bureau Veritas Marine & Offshore.

3. PERIMETER OF CERTIFICATION

Quality system of following site(s) has been assessed:

SeAH Besteel Corporation - Jeollabuk-do - KOREA (REPUBLIC OF)

4. REMARKS

4.1 This certificate supersedes the certificate N° SMS.W.II./11240/F.0 issued on 1st July 2021 by the Society.

4.2 The periodical audits for HBV products mentioned above are to be carried out within \pm 3 months of the anniversary date, 23rd May, annually.

***** END OF CERTIFICATE *****