



Marine & Offshore

Certificate number: 22635/C0 BV

File number: MAT 78883-2010

Product code: 8154I

*This certificate is not valid when presented without the full attached schedule composed of 7 sections*

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## APPROVAL CERTIFICATE for MATERIALS

*This certificate is issued to*

**SANJIVANI CASTING PVT. LTD.**  
RAJKOT - INDIA

*for the type of product*

**STEEL CASTINGS**

Carbon, austenitic and duplex stainless steel castings with maximum weight 110kg

**Requirements:**

Bureau Veritas Rules on Materials and Welding for the Classification of Marine Units

*This certificate is issued to attest that Bureau Veritas Marine & Offshore did undertake the relevant approval procedures for the product identified above which was found to comply with the relevant requirements mentioned above.*

**This certificate will expire on: 07 Jul 2025**

**For Bureau Veritas Marine & Offshore,**  
At BV MUMBAI (BOMBAY), on 07 Jul 2020,  
Rajan VARDHAN



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 and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Bureau Veritas Marine & Offshore. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore available on the internet site [www.veristar.com](http://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 SCHEDULE OF APPROVAL**

### **1. PRODUCT DESCRIPTION :**

Carbon, austenitic and duplex stainless steel castings with maximum weight 110kg.

Steelmaking in Induction Furnace. Investment casting. Heat treatment as applicable.

### **2. DOCUMENTS AND DRAWINGS :**

2.1-Documents issued by Sanjivani Casting Pvt. Ltd.:

- "Documentation for (BV Marine) Type approval program as per NR480, Sec6".
- "Documentation for (BV Marine) Type approval program as per NR480, Sec6.1.2".

### **3. TEST REPORTS :**

3.1- Documents issued by Sanjivani Casting Pvt. Ltd.:

- "Documentation for (BV Marine) Type approval program as per NR480, Sec6".
- Procedures Ref.QC-WI-12 dated 14/04/2014; Ref.QC-WI-01 dated 30/11/2019; Ref.QC-WI-13 dated 11/08/2017.

3.2-Typical tested grades are :

- WCB according to ASTM A216 for carbon steel
- CF8M according to ASTM A351 for austenitic stainless steel
- 2205 according to ASTM A995 for austeno-ferritic (duplex) steel

### **4. APPLICATION / LIMITATION :**

As per Bureau Veritas Rules for Classification. Chemical composition, tensile properties and charpy V-notch test requirements are to be as per Bureau Veritas Rules NR216 and/or alternative specification mentioned on reviewed drawings, as applicable.

### **5. PRODUCTION SURVEY REQUIREMENTS :**

5.1 - The steel castings are to be supplied by Sanjivani Casting Pvt., Ltd. in compliance with the type and the requirements described in this certificate.

5.2 - This type of product is within the category IBV of Bureau Veritas Rule Note NR320.

5.3 - BV product certificate is required.

### **6. MARKING OF PRODUCT :**

As per Bureau Veritas Rules for Classification.

### **7. OTHERS :**

This certificate replaces approvals No.22635/A0 BV and No.22635/B0 BV.

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