



Marine & Offshore

Certificate number: 32229/C0 BV

File number: MAT 78908-2013

Product code: 8153I

*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*

**VALFORGE SRL**  
CORTENOVA -LC - ITALY

*for the type of product*

**STEEL FORGINGS**

Forgings in carbon, carbon-manganese, low alloy, alloy and stainless steels of maximum weight 6000Kg.

### 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 is a renewal of certificate N° 32229/B0 BV expiring on 14/06/2023*

**This certificate will expire on: 14 Jun 2028**

**For Bureau Veritas Marine & Offshore,**

At BV NAPOLI, on 12 Jun 2023,

Sandro BRUSEGAN

***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 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. 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, carbon-manganese, low alloy, alloy and stainless steels forgings with a maximum weight 6000Kg.

Forgings are made by open die forgings or upsetting. Forgings delivered in heat treated condition.

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

As per following documentation issued by VALFORGE SRL:

- "Approval documentation for Manufacturing Process of Metallic steel - Section 1, 2 and 3" dated 20 November 2012.

- "Preliminary Information sect.6.3" dated 28 March 2012.

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

Typical tested grades are:

- F60 according to ASTM A694,
- F22 according to ASTM A182,
- 34CrNiMo6 according to UNI EN 10083-3,
- F316L according to ASTM A182.

Test report issued by VALFORGE SRL:

- "Approval documentation for Manufacturing Process of Metallic steel - Section 4.1, 4.2, 4.3 and 4.4" dated 20 November 2012.

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

As per Bureau Veritas Rules for Classification. Steel grade specification for chemical composition and mechanical properties is to be as per Bureau Veritas Rules for Classification and/or material specification reviewed by the Society, as applicable.

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

5.1-The steel forgings are to be supplied by VALFORGE SRL 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 for Classification.

### **7. OTHERS :**

This certificate replaces approvals from No.32229/A0 BV to No.32229/B0 BV.

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