



MARINE DIVISION

Certificate number: 16295/B0 BV

File number: ANC 32/04

Product code: 6433I

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

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TYPE APPROVAL CERTIFICATE

This certificate is issued to

FOB SAS BREST
BREST CEDEX - FRANCE

for the type of product

VERY HIGH HOLDING POWER ANCHORS

" FOB ROCK "

Requirements:

Bureau Veritas' Rules for the Classification of Steel Ships and Rules on Materials and Welding for the Classification of Marine Units.

This certificate is issued to attest that BUREAU VERITAS 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: 04 Jul 2017

For BUREAU VERITAS,

At BV BREST, on 04 Jul 2012,

Marc Hannetel



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. 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 Division 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 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 :

« FOB ROCK »

This approval covers a mass range of Very High Holding Power - VHHP - anchors of an stockless type, from 8 kg to 120 kg.

2. DOCUMENTS AND DRAWINGS :

- Drawing booklet « ANCRE FOBROCK », 18 pages, reviewed by the Society on May 18, 2010

3. TEST REPORTS:

- Full scale performance trials of Holding power witnessed by a Bureau Veritas Surveyor, as per document « Attestation » N° 26 BRT 02a, dated October 4, 2005.

- Full scale performance trials of Holding power witnessed by a Bureau Veritas Surveyor, as per document « Attestation » N° 07 BRT 10a, dated March 10, 2010.

4. APPLICATION / LIMITATION:

As per Bureau Veritas Rules for the Classification of Steel Ships: where VHHP anchors are used as bower anchors, the mass of each anchor is not to be less than 50%, of that required for ordinary stockless anchors in the aforesaid Rules.

5. PRODUCTION SURVEY REQUIREMENTS:

The Anchors are to be manufactured, examined and tested by **FOB SAS BREST** in accordance with the type described in this certificate and Bureau Veritas Rules for the Classification of Steel Ships. The relevant proof loads have been carried on the document « ANCRE FOBROCK », reviewed by the Society on May 18, 2010.

Arrangements shall be made for a Society's Surveyor to attend the relevant tests and examinations at manufacturer's works or to perform the relevant audits when an alternative survey scheme (BV Mode I) has been agreed. Relevant Bureau Veritas certificate will be issued after satisfactory completion of the procedure.

6. MARKING OF PRODUCT:

- Anchors are to be marked as per Rules on Materials and Welding for the Classification of Marine Units.
- Manufacturer's mark for compliance with the approved prototype.

7. OTHERS:

This approval is given with the understanding that the manufacturer will accept full responsibility for informing shipbuilders or their sub-contractors of the proper methods of fitting and general maintenance of the approved equipment and the conditions of this approval.

Where subcontracting takes place, the manufacturer, **FOB SAS BREST**, remains entirely and solely responsible for compliance of the supplied products with the applicable requirements.

This certificate supersedes the Type Approval Certificate N° 16295/A1 BV issued on 10 june 2010 by the Society.

*** END OF CERTIFICATE ***