

MARINE DIVISION

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Certificate number: 07102/C0 BV

File number : ACC 122/32

Product code : 6461H

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

TYPE APPROVAL CERTIFICATE

as per Bureau Veritas Classification Rules

This certificate is issued to

HERCULES ATLANTIC PRODUCTS LTD.
DARTMOUTH - UNITED KINGDOM

for the type of product

HATCHES / HATCH COVERS

HERCULES FLUSH DECK HATCHES

Regulations and standards :

BUREAU VERITAS RULES AND REGULATIONS FOR THE CLASSIFICATION OF SHIPS

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 of the Regulations and standards mentioned above.

This certificate is valid until : 26 Oct 2012

At Paris la Défense, on : 26 Oct 2007

For BUREAU VERITAS,
By order of the Secretary

Approval office

Local office : BV LONDON
Surveyor : S. Yule

L.COURREGELONGUE



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. 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 :

HERCULES FLUSH DECK HATCHES

Type	Overall size (mm)	Clear opening (mm)
3628	1105 x 900	915 x 710
2828	900 x 900	710 x 710
2515	825 x 565	640 x 380
2424	790 x 790	610 x 610
2020	660 x 660	510 x 510
15	565 mm diameter	380 mm diameter

Main casting : Aluminium alloy (According to BV Rules, with minimum specified yield stress : 100 N/mm² after annealing).
 Mechanism :Stainless Steel.
 Seals :Synthetic rubber.

2. DOCUMENTS AND DRAWINGS :

K 04194 Cast Hercules hatch range.
 K27696Hercules hatch details.
 93712Cast hatches.

3. TEST REPORTS :

Water pressure test witnessed by BUREAU VERITAS Surveyors.
 Attestation : 3148/SEW/N/93 dated 4/08/1993.

4. APPLICATION / LIMITATION :

Deck hatches with a maximum pressure of 1,8 T/m².
 According to BUREAU VERITAS Rules

5. PRODUCTION SURVEY REQUIREMENTS :

The "*flush deck hatch*" are to be manufactured, examined and tested (where applicable) by "*Hercules Atlantic Products LTD*" in accordance with the type described in this certificate and Bureau Veritas Rules for the Classification of Steel Ships.

Production sites are to be recognized by Bureau Veritas as per NR320 for HBV products. To this end "*Hercules Atlantic Products LTD*" has to make the necessary arrangements for a Society's Surveyor to perform visits and product audits at the production sites.

"Hercules Atlantic Products LTD" has declared to Bureau Veritas that the type of product described in this certificate are manufactured at the following production sites :

Hercules Atlantic Products Ltd

Nelson Road Industrial Estate

Dartmouth

Devon

TQ6 9LA

6. MARKING OF PRODUCT :

Manufacturer's marking for the relevant type of product.

7. OTHERS :

Certificate valid from 17/07/2007.

This certificate supersedes certificate No. 07102/B0 BV.

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