



CERTIFICATE NUMBER  
16-HS1537411-PDA

DATE  
28 Jun 2016

ABS TECHNICAL OFFICE  
Houston SED Structures -  
Commercial

## CERTIFICATE OF DESIGN ASSESSMENT

This is to certify that a representative of this Bureau did, at the request of  
**BAIER MARINE COMPANY, INC.**

assess design plans and data for the below listed product. This assessment is a representation by the Bureau as to the degree of compliance the design exhibits with applicable sections of the Rules. This assessment does not waive unit certification or classification procedures required by ABS Rules for products to be installed in ABS classed vessels or facilities. This certificate, by itself, does not reflect that the product is Type Approved. The scope and limitations of this assessment are detailed on the pages attached to this certificate.

Product: **Hatch Cover**

Model: **BMHC15X23 Variants include: BMHC15X23BZ, BMHC15X23DD,  
BMHC15X23BS, BMHC15X23D, BMHC15X23F, BMHC15X23H, BMHC15X23S,  
BMHC15X23Z, BMHC15X23-26F, BMHC15X23-26D Raised:  
BMHC15X23X2.5BZ,...**

This Product Design Assessment (PDA) Certificate 16-HS1537411-PDA, dated 28/Jun/2016 remains valid until 27/Jun/2021 or until the Rules or specifications used in the assessment are revised (whichever occurs first).

This PDA is intended for a product to be installed on an ABS classed vessel, MODU or facility which is in existence or under contract for construction on the date of the ABS Rules or specifications used to evaluate the Product.

Use of the Product on an ABS classed vessel, MODU or facility which is contracted after the validity date of the ABS Rules and specifications used to evaluate the Product, will require re-evaluation of the PDA.

Use of the Product for non ABS classed vessels, MODUs or facilities is to be to an agreement between the manufacturer and intended client.

AMERICAN BUREAU OF SHIPPING

Tim Kimble  
Engineer/Consultant

NOTE: This certificate evidences compliance with one or more of the Rules, Guides, standards or other criteria of ABS or a statutory, industrial or manufacturer's standards. It is issued solely for the use of ABS, its committees, its clients or other authorized entities. Any significant changes to the aforementioned product without approval from ABS will result in this certificate becoming null and void. This certificate is governed by the terms and conditions as contained in ABS Rules 1.1 A3/5.9 Terms and Conditions of the Request for Product Type Approval and Agreement (2013).

**BAIER MARINE COMPANY**  
ENGINEERING AND GENERAL OPERATIONS  
2920 AIRWAY AVENUE  
COSTA MESA CA  
United States 92626  
Telephone: TOLL FREE: (800) 455-3917 DIRECT: (206) 709-1500  
Fax: (206) 632-2441  
Email: sales@baiermarine.com  
Web: www.baiermarine.com

**Tier: 2 - PDA Issued**

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**Product:** Hatch Cover  
**Model:** BMHC15X23 Variants include: BMHC15X23BZ, BMHC15X23DD, BMHC15X23BS, BMHC15X23D, BMHC15X23F, BMHC15X23H, BMHC15X23S, BMHC15X23Z, BMHC15X23-26F, BMHC15X23-26D Raised: BMHC15X23X2.5BZ, BMHC15X23X2.5BSDD, BMHC15X23X4BS

**Intended Service:**  
Marine & Offshore Applications.

**Description:**  
15" x 23" Oval Bolted Manhole fabricated from A-36 Grade Steel, 304 Stainless Steel or HR-1020 Grade Steel. Buna-N Gasket fitted between Hatch Cover and Deck Ring.

**Rating:**  
See attached "pdf" for model details

**Service Restriction:**  
Unit Certification is not required for this product. If the manufacturer or purchaser request an ABS Certificate for compliance with a specification or standard, the specification or standard, including inspection standards and tolerances, must be clearly defined.  
For each installation, drawings are to be submitted for review for verification that the materials, arrangements and coaming height and thickness, including closing arrangements are acceptable for the proposed location.  
This Product is not to be used as a Means of Escape.  
The covers are to be tested as per 3-7-1/Table 1/16 of Steel Vessel Rules.

**Comments:**  
The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.

**Notes/Drawing/Documentation:**  
See attached "pdf" for drawing list.

**Terms of Validity:**  
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## STANDARDS