



CERTIFICATE NUMBER 21-2112060-PDA
EFFECTIVE DATE 29-Apr-2021
EXPIRY DATE 28-Apr-2026
ABS TECHNICAL OFFICE Houston SED Structures - Commercial

CERTIFICATE OF Product Design Assessment

This is to certify that a representative of this Bureau did, at the request of

BAIER MARINE COMPANY, INC.

located at

**ENGINEERING AND GENERAL OPERATIONS, 2920 AIRWAY
AVENUE, COSTA MESA, CA, United States, 92626**

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,...
Endorsements:
Tier: 2 - PDA Issued

This Product Design Assessment (PDA) Certificate remains valid until 28/Apr/2026 or until the Rules and/or Standards used in the assessment are revised or until there is a design modification warranting design reassessment (whichever occurs first).

Acceptance of product is limited to the "Intended Service" details prescribed in the certificate and as per applicable Rules and Standards.

This Certificate is valid for installation of the listed product on ABS units which exist or are under contract for construction on or previous to the effective date of the ABS Rules and standards applied at the time of PDA issuance. Use of the Product for non-ABS units is subject to agreement between the manufacturer and intended client.

American Bureau Of Shipping

Suresh K Pisini

Suresh Kumar Pisini, Engineer/Consultant

Suresh K Pisini
Managing Principal Engineer
SED Houston

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 ABS Rules 1-1-A3/5.9 Terms and Conditions of the Request for Product Type Approval and Agreement (2010)

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
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Web: www.baiermarine.com

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Endorsements:

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:

1. Unit Certification is not required for this product. I
2. 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.
3. 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.
4. This Product is not to be used as a Means of Escape.
5. The covers are to be tested as per 3-7-1/Table 1/16 of Marine Vessel Rules.

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

Notes/Drawing/Documentation:
Drawing No.04-01-2021, Baier Marine - Declaration of Conformity, Revision: -, Pages: 1

Terms of Validity:
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STANDARDS

ABS Rules:
2021 ABS Rules for Conditions of Classification, 1-1-4/7.7, 1-1-A3, 1-1-A4

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2021 ABS Rules for Conditions of Classification – Offshore Units and Structures 1-1-4/9.7, 1-1-A2, 1-1-A3, which covers the following
2021 ABS Marine Vessel Rules 3-2-15/21.1;
2021 ABS Rules for Building and Classing Mobile Offshore Units 3-3-2/5.3

National:
NA

International:
NA

Government:
NA

EUMED:
NA

OTHERS:
NA