



CERTIFICATE NUMBER  
EFFECTIVE DATE  
EXPIRY DATE  
ABS TECHNICAL OFFICE

21-2112058-PDA  
29-Apr-2021  
28-Apr-2026  
Houston SED - Commercial,  
Existing Vessels

## CERTIFICATE OF Product Design Assessment

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

### UNIVERSAL MOTION COMPONENTS., CO INC

located at

**2920 AIRWAY AVE, , 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:** BMHC18X24BZ, BMHC18X24X2.5BZ  
**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

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)

**UNIVERSAL MOTION COMPONENTS., CO INC**

2920 AIRWAY AVE

COSTA MESA CA

United States 92626

Telephone:

Fax:

Email:

Web:

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**Tier: 2 - PDA Issued**

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**Product:** Hatch Cover  
**Model:** BMHC18X24BZ, BMHC18X24X2.5BZ  
**Endorsements:**

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

**Description:**  
18" x 24" Oval Bolted Manhole is fabricated from A-36 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.  
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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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.

**STANDARDS**

**ABS Rules:**  
2021 ABS Rules for Conditions of Classification, 1-1-4/7.7, 1-1-A3, 1-1-A4  
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 Marine Vessel Rules 3-2-15/21.1  
2021 ABS Rules for Building and Classing Mobile Offshore Units 3-3-2/5.3

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**National:**

NA

**International:**

NA

**Government:**

NA

**EUMED:**

NA

**OTHERS:**

NA



**Task – WOT0093038**  
**Product Design Assessment (PDA)**  
**PDA Revision**  
**Hatch Cover**  
**PDA No. 21-2112058-PDA**

Attention: UNIVERSAL MOTION COMPONENTS., CO INC (WCN: 491018)

The documents shown in the attached list are reviewed in accordance with the applicable requirements indicated in the PDA along with the service restrictions and comments.

We recommend that you monitor the ABS Rules, Guides and other standards used in the Assessment. These Rules, Guides and standards often change on an annual basis, and you must comply with the new Rules, Guides and standards in order for the product to be used on an ABS classed vessel or facility contracted under the new Rules, Guides or specifications.

Additionally, we acknowledge the PDA request form warranting that the materials used in the products are free from asbestos.

For any clarifications, contact Logan Floyd at 1-287-877-5702 or ([LFloyd@eagle.org](mailto:LFloyd@eagle.org)).

Very truly yours,

Leile Froufe  
Vice President of Engineering

Electronically Signed by: Subramani Ragunathan

Document List

Drawing No.	Rev. No.	Title	Status
-	-	18" x 24" Oval Bolted Manhole	Approved (From Original PDA Task T1536871)

An electronic copy of the document, appropriately stamped, is available in the ABS Client Portal.