



CERTIFICATE NUMBER	26-0529982-PDA
EFFECTIVE DATE	13-Mar-2026
EXPIRY DATE	12-Mar-2031
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

### **UNIVERSAL MOTION COMPONENTS CO., LLC**

located at

**2920 AIRWAY AVE, , COSTA MESA, CA, United States, 92626-6008**

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:** BFHQ, BFHHQ and BFHLP  
**Endorsements:**  
**Tier:** 2 - PDA Issued

This Product Design Assessment (PDA) Certificate remains valid until 12/Mar/2031 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

Subramani Ragunathan, Manager

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., LLC**

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COSTA MESA CA

United States 92626-6008

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Fax:

Email: rcall@umcproducts.com

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**Tier: 2 - PDA Issued**

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**Product:** Hatch Cover  
**Model:** BFHQ, BFHHQ and BFHLP  
**Endorsements:**

**Intended Service:**  
Marine & Offshore Application - For Quick Acting Watertight Hatch Assemblies.

**Description:**  
BFH Quick Acting Watertight Round, Square and Oval Aluminum Hatches, with a 4-dog, center cam actuation by a Quick Acting T-Handle. Covers are of Cast Aluminum, and Deck Rings are of Cast Steel or Cast Aluminum. V-Groove gasket forms a Watertight Seal between the Deck Ring and Hatch Cover Edge Ring. BFHQ, BFHHQ, and BFHLP clear openings are 20" round, 15" x 24" oval and 24"x24" square. Cover configuration is either lift-out, low profile or hinged.

**Rating:**  
Load Rating in Head of Water (top side of Hatch only):  
20" Round, Aluminum Cover (28 ft, 8.53 m);  
15"x24" Oval, Aluminum Cover (28 ft, 8.53 m);  
24"x24" Square, Aluminum Cover (20 ft, 6.09 m).

**Service Restriction:**

1. 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.
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. The hatch cover scantlings were reviewed for the pressure head, as indicated in the Ratings section. 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 installed on the exposed fore deck of vessels over 80 meter (263 ft) in length L (L is the scantling length of a ship), within the forward 0.25L, where the deck in way of the hatch is less than 0.1L or 22 meter (72.2 ft) above the summer load line, whichever is less, as per ABS Marine Vessels Rules 3-2-15/13.
5. Aluminum covers are not allowed on cargo decks as per ABS Marine Vessels Rules 3-2-15/7.1.
6. These hatches are NOT for use in watertight bulkheads, internal decks and external openings below damage waterline (see Marine Vessels Rules 3-2-9, 3-2-15/17).
7. When installing a Hatch, consideration is to be given to preventing corrosion arising from using dissimilar metals.
8. Hatch covers are tested as per 3-7-1/Table 1/16 of Marine Vessels Rules, upon installation. Aluminum casting material tests to be in accordance with ABS Rules for Materials and Welding 2-5-10. Steel casting material tests to be in accordance with ABS Rules for Materials and Welding 2-1-5.
9. These fittings are difficult to maintain gastight, and are not to be in cargo or fuel tanks where lack of gastight seal possess a serious hazard.
10. This Product is not to be used as a Means of Escape or on fire-rated boundaries.

**Comments:**

1. The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.
2. For each installation, drawings are to be submitted for review for verification that the cover Scantlings, Coaming Heights, Materials and Arrangements, including closing arrangements are acceptable for the proposed location. Deck mounting Ring is to be welded on both sides to the Structure in which the Hatch is installed. Hatch installation and operation to be in accordance with the Manufacturer's Instructions.

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**Notes/Drawing/Documentation:**

Dwg. No. 08863-104B Rev. B. HATCH ASSY, 20" QA-AL-HINGED  
Dwg. No. 08863-104A Rev. C. HATCH ASSY, 20" QA-AL-HINGED  
Dwg. No. 08864-105A Rev. F. HATCH ASSY, 20" QA-AL-DR  
Dwg. No. 08864-105B Rev. E. HATCH ASSY, 20" QA ALUM-STL  
Dwg. No. 08863-115B Rev. B. HATCH ASSY, 15x24 QA HINGE AL  
Dwg. No. 08863-115A Rev. A. HATCH ASSY, 15x24 QA HINGE AL  
Dwg. No. 08863-141A Rev. B. HATCH ASSY, 24 X 24 QA  
Dwg. No. 08863-141B Rev. B. HATCH ASSY, 24 X 24 QAHS  
Dwg. No. 08864-101B Rev. D. HATCH ASSY, 15x24 QA STL  
Dwg. No. 08864-101A Rev. F. HATCH ASSY, QA 15x24 AL-AL  
Dwg. No. 08864-110A Rev. C. COVER ASSY, CAM TYPE F 15 X 24 ALUM W/T-HANDLE  
Dwg. No. 08864-141B Rev. C. HATCH ASSY, 24 X 24 QA  
Dwg. No. 08864-141A Rev. C. HATCH ASSY, 24 X 24 QA  
Dwg. No. 08864-151A Rev. B. HATCH ASSY, LOW-PRO, 15 X 24 ALUM  
Dwg. No. 08864-161A Rev. A. HATCH ASSY, 20 LP-ALUM  
Dwg. No. 08864-151B Rev. B. HATCH ASSY, LOW-PRO, 15 X 24 STL  
Dwg. No. 08864-161B Rev. A. HATCH ASSY, 20 LP-STL  
Dwg. No. 08864-171A Rev. A. HATCH ASSY, 24 X 24 LP-QA, ALUM  
Dwg. No. 08864-171B Rev. A. HATCH ASSY, 24 X 24 LP-QA, ALUM, STEEL DECK RING

**Terms of Validity:**

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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:**

2026 ABS Rules for Conditions of Classification, 1-1-4/7.7, 1-1-A3, 1-1-A4  
2026 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  
2026 Rules for Building and Classing Marine Vessels 3-2-9/5.1, 3-2-10/3.1, 3-2-15/3.3, 3-2-15/10  
2026 ABS Rules for Building and Classing Mobile Offshore Units 3-3-2/5.3  
2026 ABS Materials and Welding Rules 2-5-5

**National:**

NA

**International:**

NA

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**Government:**

NA

**EUMED:**

NA

**OTHERS:**

NA