



CERTIFICATE NUMBER	25-0387137-PDA
EFFECTIVE DATE	13-Feb-2026
EXPIRY DATE	12-Feb-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, Raised Dogged Hatch Cover  
**Model:** Model: UMC-174. Variants Include 01240-110A, 01240-110B, 01240-110C, 01240-110D, 01240-110E, 01240-110F, 01240-110G, 01240-110H, 01240-110J  
Model: UMC-774. Variants Include 01241-1...  
**Endorsements:**  
**Tier:** 2 - PDA Issued

This Product Design Assessment (PDA) Certificate remains valid until 12/Feb/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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**Product:** Hatch Cover, Raised Dogged Hatch Cover

**Model:** Model: UMC-174. Variants Include 01240-110A, 01240-110B, 01240-110C, 01240-110D, 01240-110E, 01240-110F, 01240-110G, 01240-110H, 01240-110J

Model: UMC-774. Variants Include 01241-110A, 01241-110B, 01241-110C, 01241-110D, 01241-110E, 01241-110F, 01241-110G, 01241-110H, 01241-110J

**Endorsements:**

**Intended Service:**

Marine Vessels Applications - Hatch Covers for Marine Vessels

**Description:**

01240-110 Variants: 15" x 23" 4-dog hinged oval hatch, coamings of 5", 12", and 24", fabricated from ordinary strength steel and stainless steel.

01240-110A: HATCH, RAISED 4-DOG 15X23 5" HIGH STD

Coaming: ASTM A36, Cover: ASTM A36, Gasket: Nitrile BUNA-N Rubber Shore A 40, Finish P

01240-110B: HATCH, RAISED 4-DOG 15X23 5" HIGH SS HW

Coaming: ASTM A36, Cover: ASTM A36, Gasket: Nitrile BUNA-N Rubber Shore A 40, Finish P

01240-110C: HATCH, RAISED 4-DOG 15X23 5" HIGH SS

Coaming: SS 304, Cover: SS 304, Gasket: Nitrile BUNA-N Rubber Shore A 40, Finish N

01240-110D: HATCH, RAISED 4-DOG 15X23 12" HIGH STD

Coaming: ASTM A36, Cover: ASTM A36, Gasket: Nitrile BUNA-N Rubber Shore A 40, Finish P

01240-110E: HATCH, RAISED 4-DOG 15X23 12" HIGH SS HW

Coaming: ASTM A36, Cover: ASTM A36, Gasket: Nitrile BUNA-N Rubber Shore A 40, Finish P

01240-110F: HATCH, RAISED 4-DOG 15X23 12" HIGH SS

Coaming: SS 304, Cover: SS 304, Gasket: Nitrile BUNA-N Rubber Shore A 40, Finish N

01240-110G: HATCH, RAISED 4-DOG 15X23 24" HIGH STD

Coaming: ASTM A36, Cover: ASTM A36, Gasket: Nitrile BUNA-N Rubber Shore A 40, Finish P

01240-110H: HATCH, RAISED 4-DOG 15X23 24" HIGH SS HW

Coaming: ASTM A36, Cover: ASTM A36, Gasket: Nitrile BUNA-N Rubber Shore A 40, Finish P

01240-110J: HATCH, RAISED 4-DOG 15X23 24" HIGH SS

Coaming: SS 304, Cover: SS 304, Gasket: Nitrile BUNA-N Rubber Shore A 40, Finish N

01241-110 Variants: 15" x 23" 2-dog hinged oval hatch, coamings of 5", 12", and 24", fabricated from ordinary strength steel and stainless steel.

01241-110A: HATCH, RAISED 2-DOG 15X23 5" HIGH STD

Coaming: ASTM A36, Cover: ASTM A36, Gasket: Nitrile BUNA-N Rubber Shore A 40, Finish P

01241-110B: HATCH, RAISED 2-DOG 15X23 5" HIGH SS HW

Coaming: ASTM A36, Cover: ASTM A36, Gasket: Nitrile BUNA-N Rubber Shore A 40, Finish P

01241-110C: HATCH, RAISED 2-DOG 15X23 5" HIGH SS

Coaming: SS 304, Cover: SS 304, Gasket: Nitrile BUNA-N Rubber Shore A 40, Finish N

01241-110D: HATCH, RAISED 2-DOG 15X23 12" HIGH STD

Coaming: ASTM A36, Cover: ASTM A36, Gasket: Nitrile BUNA-N Rubber Shore A 40, Finish P

01241-110E: HATCH, RAISED 2-DOG 15X23 12" HIGH SS HW

Coaming: ASTM A36, Cover: ASTM A36, Gasket: Nitrile BUNA-N Rubber Shore A 40, Finish P

01241-110F: HATCH, RAISED 2-DOG 15X23 12" HIGH SS

Coaming: SS 304, Cover: SS 304, Gasket: Nitrile BUNA-N Rubber Shore A 40, Finish N

01241-110G: HATCH, RAISED 2-DOG 15X23 24" HIGH STD

Coaming: ASTM A36, Cover: ASTM A36, Gasket: Nitrile BUNA-N Rubber Shore A 40, Finish P

01241-110H: HATCH, RAISED 2-DOG 15X23 24" HIGH SS HW

Coaming: ASTM A36, Cover: ASTM A36, Gasket: Nitrile BUNA-N Rubber Shore A 40, Finish P

01241-110J: HATCH, RAISED 2-DOG 15X23 24" HIGH SS

Coaming: SS 304, Cover: SS 304, Gasket: Nitrile BUNA-N Rubber Shore A 40, Finish N

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**Rating:**

Raised 4-dog 15" x 23" hatch is suitable for water tight pressure, up to 44.8 feet (13.65 meters).

Raised 2-dog 15" x 23" hatch is suitable for water tight pressure, up to 44.8 feet (13.65 meters).

**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. 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. 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.
5. This Product is not to be used as a Means of Escape or on fire-rated boundaries.
6. The hatches are not to be installed below the freeboard deck.
7. The hatches are not to be installed on watertight subdivision boundaries.
8. This Product is not to be used for Small Hatches on the Exposed Fore Deck (MVR 3-2-15/13).
9. The covers are to be tested upon installation as per 3-7-1/Table 1 of Marine Vessel Rules 2026.
10. Coaming thickness on drawings approved for vessels of 205 feet (68.3 meters) max. per MVR 3-2-15/5.3
11. 01241-110 and Variants are not to be used on Chain Lockers.

**Comments:**

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

**Notes/Drawing/Documentation:**

Drawing No. 01240-110 REV C Hatch Assy, Raised 4 Dog 15x23 (174), Pages: 5

Drawing No. 01241-110 REV C Hatch Assy, Raised 2 Dog 15x23 (774), Pages: 5

**Terms of Validity:**

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**STANDARDS**

**ABS Rules:**

2025 Rules for Building and Classing Marine Vessels 1A-1-4/7.7, 1A-1-A3, 1A-1-A4, which covers the following:  
2025 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

**National:**

N/A

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**International:**

N/A

**Government:**

N/A

**EUMED:**

N/A

**OTHERS:**

N/A