



CERTIFICATE NUMBER 21-2165866-PDA  
EFFECTIVE DATE 29-Sep-2021  
EXPIRY DATE 28-Sep-2026  
ABS TECHNICAL OFFICE Houston OED - Safety

## CERTIFICATE OF Product Design Assessment

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

### **DEANSTEEL MANUFACTURING COMPANY**

located at

**931 S. FLORES ST., SAN ANTONIO, TX, United States, 78204-1406**

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:** Door, A-60  
**Model:** A-60 Single Door, DS H-60 5.5 Weather Tight Blast Door  
**Endorsements:**  
**Tier:** 2 - PDA Issued

This Product Design Assessment (PDA) Certificate remains valid until 28/Sep/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

*Daniel Hyun SON*

Hyun Young Son, 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)

## DEANSTEEL MANUFACTURING COMPANY

931 S. FLORES ST.

SAN ANTONIO TX

United States 78204-1406

Telephone: 210-226-8271

Fax: 210-224-7910

Email: nvalentin@deansteel.com

Web: deansteel.com

**Tier: 2 - PDA Issued**

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**Product:** Door, A-60  
**Model:** A-60 Single Door, DS H-60 5.5 Weather Tight Blast Door  
**Endorsements:**

**Intended Service:**  
Marine and Offshore Applications - Marine Doors,  
A-60 Single Weather Tight Blast Door with Window.

**Description:**  
A-60 Single Door, DS H-60 5.5 Weather Tight Blast Door;  
Leaf Size: 1,219 x 2,134 mm (48" x 84")  
Door: 140 mm (5.5") Thick, the steel Skin of 14 Ga. for the exposed (inner) side door skin and 12 Ga. for the unexposed (outer) side door skin.  
Window: 254 x 254 mm (10" x 10") Clear Opening or equivalent area, Pyrostop H-120-20 85mm Thick Glazing. The visions are optional and not required.  
Locks: Three Point Latching system  
Hinge: Four H.D Hinges

**Rating:**  
A-60 Fire Integrity Rating, as defined in IMO FTP Code.

**Service Restriction:**  
(1) Unit Certification is not required for this product. If the manufacturer or purchaser requests an ABS Certificate for compliance with a specification or standard, the specification or standard, including inspection standards and tolerances, must be clearly defined.  
(2) Continued compliance with the statutory requirements requires maintenance of full Type Approval (PDA+MA). The scope of Type Approval is to comply with MSC.1/Circ. 1221 dated 11 December 2006.  
(3) The door materials shall not be replaced by materials that have not been tested in accordance with the IMO FTP Code and/or accepted by the Flag Administration.

**Comments:**  
(1) The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.  
(2) Production items are to be manufactured in accordance with a quality control system which shall be maintained to ensure that items are of the same standard as per tested/approved prototype.  
(3) Production item should be installed/used in accordance with manufacturer's instructions.  
(4) Unless specifically directed by Administration, this approval is not to be construed as a substitute for Flag Administration's approval for the purpose of SOLAS, as amended. This assessment has not been performed on behalf of any flag administration.  
(5) All fire doors are to bear a permanent marking to indicate manufacturer's name, door model number and the fire rating it is approved for.  
(6) This certificate may not be used for EU and US flagged vessels (MED and/or USCG have their own specific requirements).  
(7) Individual review to the intended use on specific vessel, MODU or facility is required.

**Notes/Drawing/Documentation:**  
Interlek Report No. 319709 SAT-003, Rev. 1, Dated 29 January 2010;  
Drawing No. 95036 - Elevation 101, Weather Tight Door 48" x 84" Test, Revision:1, Dated 09-24-2009;

USCG Certificate No. 164-136-91-0 - DS H-60 5.5 Weather Tight Blast Door

**Terms of Validity:**  
This Product Design Assessment (PDA) Certificate remains valid until 28/Sep/2026 or until the Rules and/or Standards used in the assessment are revised or until there is a design modification warranting design reassessment

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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.

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**STANDARDS**

**ABS Rules:**

2021 ABS Rules for Conditions of Classification of Marine Vessels and Structures, 1-1-4/7.7, 1-1-A3, 1-1-A4, in accordance with followings:

ABS Rules for Building and Classing Marine Vessels Rules: 3-4-1

2021 ABS Rules for Conditions of Classification of Offshore Units and Structures, 1-1-4/9.7, 1-1-A2, 1-1-A3, in accordance with followings:

ABS Rules for Building and Classing Mobile Offshore Units: 5-1-1/3.17

ABS Rules for Building and Classing Facilities on Offshore Installations: 3-8/9.15, 4-8/9.15

**National:**

NA

**International:**

SOLAS (Consolidated Edition 2020) as amended, Chapter II-2, Regulation 9.4.1.1.2, 9.4.2.1;

2009 IMO MODU Code (Consolidated Edit 2020), Chapter 9 / 9.2.9

IMO FTP Code (2012 Edition), Annex 1, Part 1 & 3, entered into force on 1 July 2012.

**Government:**

USCG Approval 164.136/91/0 issued January 4, 2021 (Expires January 4, 2026).

**EUMED:**

NA

**OTHERS:**

NA