



CERTIFICATE NUMBER  
16-HS1533162-PDA

DATE  
02 Aug 2016

ABS TECHNICAL OFFICE  
Houston OED - Safety

# CERTIFICATE OF DESIGN ASSESSMENT

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

## **DEANSTEEL MANUFACTURING COMPANY**

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: **DS A-60 & IMO A-60; see Description for models**

This Product Design Assessment (PDA) Certificate 16-HS1533162-PDA, dated 02/Aug/2016 remains valid until 01/Aug/2021 or until the Rules or specifications used in the assessment are revised (whichever occurs first).

This PDA is intended for a product to be installed on an ABS classed vessel, MODU or facility which is in existence or under contract for construction on the date of the ABS Rules or specifications used to evaluate the Product.

Use of the Product on an ABS classed vessel, MODU or facility which is contracted after the validity date of the ABS Rules and specifications used to evaluate the Product, will require re-evaluation of the PDA.

Use of the Product for non ABS classed vessels, MODUs or facilities is to be to an agreement between the manufacturer and intended client.

AMERICAN BUREAU OF SHIPPING

Tim Kimble  
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 the terms and conditions as contained in ABS Rules 1-1-A3/5.9 Terms and Conditions of the Request for Product Type Approval and Agreement (2013).

**DEANSTEEL MANUFACTURING COMPANY**

931 S. FLORES ST.

SAN ANTONIO TX

United States 78204-1406

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Email: rcanon@deansteel.com

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**Tier: 2 - PDA Issued**

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**Product: Door, A-60****Model: DS A-60 & IMO A-60; see Description for models****Intended Service:**

Marine and Offshore Applications - Marine Doors

- 1) A-60 Double Leaf Door with Window
- 2) A-60 Single Weather Tight Blast Door with Window

**Description:**

1) A-60 Double Door

Leaf Size: 1,213 x 2,426 mm (47.75" x 95.51")

Door: 76 mm (3") Thick, 16 Ga. Steel Skin

Window: 127 x 508 mm (5" x 20") Clear Opening or equivalent area, SwissFlam SF60-N2 &amp; Contraflam 60-5-5/N2 76mm Thick Glazing. The visions are optional and not required.

Locks: Three Point Latching system

Hinge: Four H.D Hinges

2) 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 Annex 1, Part3, A.754(18)

**Service Restriction:**

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.

**Comments:**

- 1) The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.
- 2) Valid Only at DeanSteel Manufacturing Location: San Antonio, TX, USA. Approval not performed on behalf of any Flag Administration.
- 3) The scope of Type Approval is to comply with MSC.1/Circ.1221 dated 11 December 2006.
- 4) 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.
- 5) Designed assessed product should be installed/used in accordance with manufacturer's instruction.

**Notes/Drawing/Documentation:**

SwRI Report Project No. 01.06213.01.001, Dated November 2002 (58 Shts, Model 1);

Interlek Report No. 319709 SAT-003, Rev. 1, Dated 29 January 2010 (74 Shts, Model 2);

Drawing No. DS-A60-3-PR, 95065, Door &amp; Frame Elevation, Revision: 0, Dated 10-2002, Pages: 1 (Model 1);

Drawing No. 95036, Weather Tight Door 48" x 84" Test, Revision: 1, Dated 09-24-2009, Pages: 1 (Model 2);

Drawing No. 'S2'-F3-B, Revision: 1, Dated 01-07-2007, Pages: 1 (Model 2)

**Terms of Validity:**

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**STANDARDS**

**ABS Rules:**

2016 Steel Vessels Rules 1-1-4/7.7 & 1-1-Appendix 3

2016 ABS Rules for Conditions of Classification, Part 1 – 2016 Offshore Units and Structures 1-1-4/9.7, 1-1-A2, 1-1-A3, which covers the following:

2016 Rules for Building and Classing Facilities on Offshore Installations 3-8/9, 4-8/9;

**National:**

NA

**International:**

2010 IMO FTP Code, Enters into force on 1 July 2012, Resolution. MSC.307(88), Annex 1, Parts 1& 3 (Adopted on 3 December 2010)

**Government:**

NA

**EUMED:**

NA

**OTHERS:**

NA