



CERTIFICATE NUMBER  
16-HS1472817-PDA

DATE  
29 Jan 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: **IMO A-60 / H-60 Marine Doors**

This Product Design Assessment (PDA) Certificate 16-HS1472817-PDA, dated 29/Jan/2016 remains valid until 28/Jan/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

  
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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 (2010).

**DEANSTEEL MANUFACTURING COMPANY**

931 S. FLORES ST.

SAN ANTONIO TX

United States 78204-1406

Telephone: 210-226-8271

Fax: 210-224-7910

Email: rcanon@deansteel.com

Web: deansteel.com

**Tier: 2 - PDA Issued**

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**Product:** Door, A-60**Model:** IMO A-60 / H-60 Marine Doors**Intended Service:**

Marine and Offshore Applications - Marine Doors

- 1) H-60 Single Leaf Door;
- 2) DS H-60 Pair 5.5" Door;
- 3) DS H-60 5.5" Door

**Description:**

1) H-60 Single Leaf Door;  
Leaf Size: 1206 x 2580 mm; 106mm thickness  
Lock: DS 3-Point Lock  
Hinge: HD Continuous (stainless steel)  
Closer: Dorma HD 8900 Series.

2) DS H-60 Pair 5.5" Door;  
Leaf Size: 1219 x 2657 mm; 144mm thickness (each)  
Lock: DS 3-Point Lock  
Hinge: HD Continuous (stainless steel)  
Closer: Dorma HD 8900 Series.  
Widow Opening: 254mm x 254mm (10"x10") (maximum)

3) DS H-60 5.5" Door  
Leaf Size: 1205 x 2123 mm; 144mm thickness  
Lock: DS 3-Point Lock  
Hinge: HD Continuous (stainless steel)  
Closer: Dorma HD 8900 Series.  
Widow Opening: 254mm x 254mm (10"x10") (maximum)

**Rating:**

- 1) H-60 Single Leaf Door - A-60 Fire Integrity Rating, as defined in IMO FTP Code Annex 1 Part 3; H-60 Class fire rating due to successful testing under hydrocarbon fire exposure in lieu of standard fire exposure.
- 2) DS H-60 Pair 5.5" Door - A-60 fire integrity rating, as defined in IMO FTP Code Annex 1 Part 3; H-60 Class fire rating due to successful testing under hydrocarbon fire exposure in lieu of standard fire exposure.
- 3) DS H-60 5.5" Door - A-60 fire integrity rating, as defined in IMO FTP Code Annex 1 Part 3; H-60 Class fire rating due to successful testing under hydrocarbon fire exposure in lieu of standard fire exposure.

**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:**

Valid Only at DeanSteel Manufacturing Location: San Antonio, TX, USA.

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

Approval not performed on behalf of any Flag Administration.

The scope of Type Approval is to comply with MSC.1/Circ.1221 dated 11 December 2006.

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.

All door should be installed in accordance with manufacturer's instruction and installation drawings (Please see attachment H685482A.pdf).

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**Notes/Drawing/Documentation:**

Drawing No. 95022 for Door Cert of Approval 164 136-81-0, Door Cert of Approval 164 136-81-0, Revision: -, Pages: 1

Drawing No. 95039 for Door Cert of Approval 164 136-87-0, Door Cert of Approval 164 136-87-0, Revision: -, Pages: 1

Drawing No. 95040 for Door Cert of Approval 164 136-89-0, Door Cert of Approval 164 136-89-0, Revision: -, Pages: 1

**Terms of Validity:**

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**STANDARDS**

**ABS Rules:**

- Steel Vessel Rules (2016) 1-1-4/7.7
- Steel Vessels Under 90 Meters (295 Feet) in Length (2016) 1-1-1
- Facilities on Offshore Installations (2016) 1-1-1
- Offshore Support Vessels (2016) 1-1-1
- Mobile Offshore Drilling Units Rules (2016) 1-1-1
- Steel Vessels for Service on Rivers and Intracoastal Waterways (2016) 1-1-1
- Bulk Carriers for Service on the Great Lakes (1978, Up-dated April 2008) 1-1
- High-Speed Craft (2016) 1-1-4/11.9 - Steel Barge Rules (2016) 1-1-1
- Rules for Conditions of Classifications (2016) 1-1-4/7.7

**National:**

NA

**International:**

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

**Government:**

Coast Guard Approval No.164.136/87/0 dated 29 October 2014, expires: 29 October 2019; No.164.136/81/0 dated 02 July 2012, expires: 02 July 2017; No.164.136/89/0 dated 10 June 2015, expires: 10 June 2020; (Approved as A-60 class by USCG)

**EUMED:**

NA

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**OTHERS:**

NA