



CERTIFICATE NUMBER
16-HS1488282-PDA

DATE
08 Apr 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: **Fire Retarding Door**

Model: **Deansteel - B-15 Fire Rated Double Door**


This Product Design Assessment (PDA) Certificate 16-HS1488282-PDA, dated 08/Apr/2016 remains valid until 07/Apr/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 (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

Product: Fire Retarding Door

Model: Deansteel - B-15 Fire Rated Double Door

Intended Service:

Marine and Offshore Applications - Fire Rated Doors in B-Class Divisions

Description:

B-15 fire rated double door
Maximum Door Leaf Size (W x H x T) 908 x 2124 x 45 mm
Door: 18 Ga. Steel Skin / filled with 96 kg/cu.m insulation
Nominal Clear Opening (W x H) 1797 x 2118 mm
Top Panel Maximum Size (W x H) 1830 x 305 mm
Hinges: Three 4 1/2-in standard duty hinges on each leaf
Optional Kick Out Panels (W x H) 457 x 457 mm
Optional Louver Opening (W x H) 384 x 238 mm
Optional Fire Resistant Glass Window Viewable Area (W x H) 254 x 254 mm

Rating:

B-15 Fire Integrity Rating, as defined in IMO FTP Code (MSC. 61 (67)) Annex 1 - Part 3

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.

Use of louver opening in the kick out panel is governed by the following IMO Regulations: SOLAS II-2 Regulations 9.4.1.2.1, 9.4.2.3 or 2009 IMO MODU Mode Code 9.3.3 as applicable.

Comments:

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.

Door Tested 22 June 2012 as detailed in Southwest Research Institute (SwRI) Final Report of Project No.

01.16918.01.612 dated 17 July 2012 and Deansteel Drawings for Job No. 95063.

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

Notes/Drawing/Documentation:

Southwest Research Institute (SwRI) Final Report of Project No. 01 16918 01 612 (Pages: 31) dated 17 July 2012 and Deansteel Drawings for Job No. 95063.

Terms of Validity:

This Product Design Assessment (PDA) Certificate 16-HS1488282-PDA, dated 08/Apr/2016 remains valid until 07/Apr/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.

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

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

STANDARDS

ABS Rules:

ABS Rules for Conditions of Classification Part 1, Steel Vessels Rules (2016) 1-1-4/7.7, 1-1-A3, 1-1-A4;
ABS Rules for Conditions of Classification Part 1, Offshore Units and Structures (2016) 1-1-4/9.7, 1-1-A2, 1-1-A3;

National:

NA

International:

IMO Resolution. A.754 (18): Recommendation on Fire Resistance Tests for "A", "B", and "F" Class Divisions
IMO FTP Code (MSC.61 (67)), Annex 1, Part 3, entry into force on 1 July 1998

Government:

Coast Guard Approval Number 164.136./103/0; Issued 21 September 2012; Expires 21 September 2017

EUMED:

NA

OTHERS:

NA