



CERTIFICATE NUMBER

11-HS793900A-PDA

DATE

23 August 2011

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 - SAN ANTONIO

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**

MODEL: **IMO B-15 Single Leaf and B-15 Double Leaf Hinged Doors**

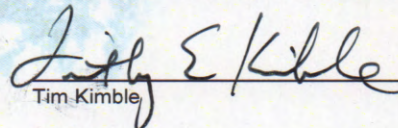
This Product Design Assessment (PDA) Certificate 11-HS793900A-PDA, dated 23/Aug/2011 remains valid until 22/Aug/2016 or until the Rules or specifications used in the assessment are revised (whichever occurs first).

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

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).

Company Information

DEANSTEEL MANUFACTURING COMPANY
 111 MERCHANT STREET
 SAN ANTONIO
 TX 78204
 United States
 Tel 210-226-8271
 Fax 210-224-7910
rcanon@deansteel.com
 Website :<http://deansteel.com>

**Additional Company/
Plant Detail**

Email :

**Confirmation Of
Type Approval**

This product doesn't have a
Confirmation of Type Approval.

Product	Door
Model	IMO B-15 Single Leaf and B-15 Double Leaf Hinged Doors
Intended Service	Marine and Offshore Applications - Marine Doors 1) B-15 Double Door with Window 2) B-15 Single Door with Window and Damper 3) B-15 Single Door with Window and Damper
Description	<p>1) B-15 Double Door Leaf Size: 914 x 2,100 mm (35.98" x 82.67") Door: 46 mm (1.8") Thick, 18 Ga. Steel Skin Window: 254 x 254 mm (21.89" x 21.89")opening, Contraflam 12 mm thick B15/N2 Glass Locks: Cylindrical Lockset Hinge: Three Hinges</p> <p>2) B-15 Single Door Leaf Size: 915 x 2,032 mm (36" x 80") Door: 44.5 mm (1.75") Thick Window: 559 x 152 mm (22" x 6")opening, Contraflam 30-N1 Glazing Damper: 457 x 457 mm (18" x 18"), Schwepper Damper Locks: NT Falcon Sutro-Napa Lockset Hinge: Three Hinges</p> <p>3) B-15 Single Door Leaf Size: 915 x 2,032 mm (36" x 80") Door: 44.5 mm (1.75") Thick Window: 559 x 152 mm (22" x 6")opening, Contraflam 30-N1 Glazing Damper: 457 x 457 mm (18" x 18"), Hinged Schwepper Damper Locks: Cylindrical Lockset Hinge: Three Hinges</p>
Ratings	B-15 Single Leaf Door - Class B-15 Fire Integrity Rating, as defined in IMO FTP Code Annex 1 Parts 1 & 3.
Service Restrictions	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. Approval not performed on behalf of any Flag Administration.
Notes, Drawing and Documentation	Supporting Documentation: SwRI Project No. 01.03050.01.311 dated March 2000 (45 shts, Double Door w/ Window);

SwRI Project No. 01.8363-315 dated November 1997 (39 shts, Single Door w/ Window and Damper);
Drawing No. DS B-201 through 211 dated 9 Aug. 2000.

Term Of Validity

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ABS Rules

2011 Steel Vessels Rules 1-1-4/7.7, 1-1-Appendix 3

International Standards

IMO Res.A.754(18); IMO FTP Code, Annex 1, Parts 1 & 3.

Government Standards

US Coast Guard Approval No.164.136/9/1 expires 1 March 2016.

Model Certificate

PDA

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Issue Date

23/AUG/2011

Expiry Date

22/AUG/2016