



CERTIFICATE NUMBER

11-HS793900B-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, A-30**

MODEL: **IMO A-30 Double Leaf and Single Leaf; IMO A-30**

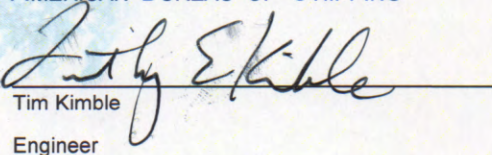
This Product Design Assessment (PDA) Certificate 11-HS793900B-PDA, dated 23/Aug/2011 remains valid until 22/Aug/2016 or until the Rules or specifications used in the assessment are revised (whichever occurs first).

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, A-30
Model	IMO A-30 Double Leaf and Single Leaf; IMO A-30
Intended Service	Marine and Offshore Applications - Marine Doors 1) A-30 Single Door with Window 2) A-30 Single Door with Window 3) A-30 Single Door with Window 4) A-30 Double Door 5) A-30 Double Door with Window
Description	<p>1) A-30 Single Door, DS A-60-2.5-V Leaf Size: 1,060 x 2,124 mm (41.73" x 83.62") Door: 63.5 mm (2.5") Thick, 16 Ga. Steel Skin Window: 246 x 246 mm (9.68" x 9.68") Clear Opening Locks: Mortised Lock Hinge: Three Mortised Hinges</p> <p>2) A-30 Single Door, DS A-60-2.5-V Leaf Size: 1,060 x 2,124 mm (41.73" x 83.62") Door: 54 mm (2.12") Thick, 16 Ga. Steel Skin Window: 556 x 151 mm (21.89" x 5.94") Opening, Contraflam 30-N1 Glazing Locks: 3 Point Latching system Hinge: Three Mortised Hinges</p> <p>3) A-30 Single Door, DS A-60-2.5-V Leaf Size: 1,060 x 2,124 mm (41.73" x 83.62") Door: 54 mm (2.12") Thick, 16 Ga. Steel Skin Window: 556 x 151 mm (21.89" x 5.94") Opening, Contraflam 30-N1 Glazing Locks: Cylindrical Lockset Hinge: Three Mortised Hinges</p> <p>4) A-30 Double Door Leaf Size: 1,010 x 2,118 mm (39.76" x 83.38") Door: 54 mm (2.12") Thick, 16 Ga. Steel Skin Locks: Single Point Latching system Hinge: Three 115 mm Hinges</p> <p>5) A-30 Double Door Leaf Size: 1,213 x 2,426 mm (47.75" x 83.38") Door: 76 mm (3") Thick, 16 Ga. Steel Skin Window: 254 x 151 mm (21.89" x 5.94") Opening, Contraflam 41 mm thick Glazing</p>

	Locks: 3 Point Latching system Hinge: Four 115 mm Hinges
Ratings	A-30 Fire Integrity Rating, as defined in IMO FTP Code Annex 1, Part3, A.754(18)
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	Identifying Data: SwRI Report Project No. 01.04019.01.303a dated June 2001 (60 shts, Model 1); SwRI Report Project No. 01-2305.305 dated July 1999 (44 shts, Model 2 and 3); SwRI Report Project No. 01.04917.01.110a dated June 2002 (50 shts, Model 5); SwRI Report Project No. 01.04917.01.110 dated April 2002 (41 shts, Model 4); Drawing No. DS A-103, DS 95062, and DS-IMO-A60-S2-F3-B.
Term Of Validity	This Product Design Assessment (PDA) Certificate 11-HS793900B-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.
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, Part 1& 3
Government Standards	US Coast Guard Approval No.164.136/11/0 expires 01 March 2016 (Model 1), 164.136/10/0 expires 15 May 2016 (Model 2, 3 and 4), 164.136/42/0 expires 15 May 2012 (Model 5).

Model Certificate	Model Certificate No	Issue Date	Expiry Date
PDA	11-HS793900B-PDA	23/AUG/2011	22/AUG/2016