



CERTIFICATE NUMBER

12-GD841925-PDA

DATE

27 January 2012

ABS TECHNICAL OFFICE

Gdynia Engineering Department

# CERTIFICATE OF DESIGN ASSESSMENT

This is to Certify that a representative of this Bureau did, at the request of  
**ALWO SPOLKA Z.O.O - TORUN**

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 Damper**

MODEL: **FDA 1400X1500**  
**FDA 100X100**

This Product Design Assessment (PDA) Certificate 12-GD841925-PDA, dated 27/Jan/2012 remains valid until 26/Jan/2017 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

  
Jaroslaw Kondracki  
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).

**ALWO SPOLKA Z.O.O**

UL. NA PRZELAJ 34  
TORUN  
87-116  
Poland

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**PRODUCT:**

**Fire Damper**

**MODEL:**

**FDA 1400X1500**

**FDA 100X100**



**Intended Service:**

For steel bulkheads and/or decks

**Description:**

Fire Damper FDA 1400x1500-EL230

Fire Damper FDA 100x100-EL230

Operation manual, automatic with fusible link, electric or pneumatic

**Ratings:**

A-60

**Service Restriction:**

- Unit Certification is not required for this product.
- Validity is limited to countries ships/facility will be registered where government has authorized ABS to review drawings for fire protection on behalf of the Administration.
- not valid for US registered units, (USCG).

**Comments:**

- Test Reports No RS-11/B-109/E, RS-11/B-110/E CTO SA SHIP DESIGN AND RESEARCH CENTRE S.A
- The installation is to be in accordance with the manufacturer's instructions.
- According to 5.2.2 of FTP Code manufacturer is required to have quality control system audited by a competent authority. With this regard it is noted that Manufacturing Assesment Certificate is requested.
- Automatic means of closing of the fire damper is to be of fail-safe type, complying with Reg. II-2 SOLAS. The arrangement is to be submitted for review on case by case basis.
- All electrical equipment intended for installation in hazardous areas is to be of the certified safe type. Certificates in this regards are to be presented to our Surveyor on case by case basis

**Notes / Drawings / Documentation:**

FDA EL230 Fire damper of dimensions 1400mmx1500mm -  
drawing F2031-01-00

FDA EL230 Fire damper of dimensions 100mmx100mm  
drawing F2031-02-00

**Term of Validity:**

## **ALWO SPOLKA Z.O.O**

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## **STANDARDS**

### **ABS Rules:**

2012 Steel Vessel Rules 1-1-4/7.7

### **National:**

NA

### **International:**

IMO Resolution A.754(18), FTP CODE MSC.61(67)

### **Government Authority:**

NA

### **EUMED:**

NA

### **Others:**

NA

