



CERTIFICATE NUMBER  
EFFECTIVE DATE  
EXPIRY DATE  
ABS TECHNICAL OFFICE

22-2304757-PDA  
21-Dec-2022  
20-Dec-2027  
London Engineering Department

## CERTIFICATE OF Product Design Assessment

This is to certify that a representative of this Bureau did, at the request of

### **BOLTON GATE COMPANY LTD.**

located at

**WATERLOO STREET, , BOLTON, LANCASHIRE, United Kingdom,  
BL1 2SP**

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 Fighting, Marine Rolling Shutters**  
**Model: Fireroll A0 Class Rolling Shutters**  
**Endorsements:**  
**Tier: 3 - Type Approved, unit certification not required**

This Product Design Assessment (PDA) Certificate remains valid until 20/Dec/2027 or until the Rules and/or Standards used in the assessment are revised or until there is a design modification warranting design reassessment (whichever occurs first).

Acceptance of product is limited to the "Intended Service" details prescribed in the certificate and as per applicable Rules and Standards.

This Certificate is valid for installation of the listed product on ABS units which exist or are under contract for construction on or previous to the effective date of the ABS Rules and standards applied at the time of PDA issuance. Use of the Product for non-ABS units is subject to agreement between the manufacturer and intended client.

American Bureau Of Shipping

Nitin Tyagi, 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 ABS Rules 1-1-A3/5.9 Terms and Conditions of the Request for Product Type Approval and Agreement (2010)

**BOLTON GATE COMPANY LTD.**

WATERLOO STREET

BOLTON LANCASHIRE

United Kingdom BL1 2SP

Telephone: 44 1204 871021

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Web: www.boltongate.co.uk

**Tier: 3 - Type Approved, unit certification not required**

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**Product:** Fire Fighting, Marine Rolling Shutters

**Model:** Fireroll A0 Class Rolling Shutters

**Endorsements:**

**Intended Service:**

Internal fire rolling shutters for Ships and Offshore Structures

**Description:**

Roller Shutter having maximum clear opening of 2420 mm (W) x 2420 mm (H) installed in a steel bulkhead.

The roller shutter consists of:

- a roller;
- a rolled shutter (door leaf);
- two guide channels

The shutter made of profiled laths, is rolled onto the roller and is directed into the guides. The guide channels are made of 3 mm thick U shaped steel sheet profiles having dimensions of 52 x 25 mm.

The roller shutter is fitted with shaft and stripes having the following characteristics:

- carbon or stainless steel laths 0.7 mm thick and having maximum width of 51 mm
- roller 1.6 mm thick and having diameter of 101.6 mm

**Rating:**

Fire Class 'A-0'

**Service Restriction:**

Unit Certification is not required for this product. If the manufacturer or purchaser requests an ABS Certificate for compliance with a specification or standard, the specification or standard, including inspection standards and tolerances, must be clearly defined.

Shutters positioned in escape routes are subject to specific review and acceptance. Such shutters shall be capable of being operated by one person from either side of the bulkhead in which it is fitted. It shall be understood that no power is available during this operation. For each particular installation, the intended location of the shutter is to be submitted for review.

This review is not done on behalf of any flag administration. In those instances where flag administration have their own requirements, a flag approval may be needed.

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

**Comments:**

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

**Notes/Drawing/Documentation:**

Drawing no. 160192/01A - 'A0 Marine Fire Resisting Rolling Shutter'

Drawing no. 160192/115 - 'Curtain Details'

Drawing no. 160192/114 - 'Roller Details'

Drawing no. 160192/113 - 'Shutter Box Details'

Drawing no. 160192/112 - 'Guide and End Plate Fixing Details'

RINA Test Report no. 2016CS01770 dated 20-07-2016

**Terms of Validity:**

This Product Design Assessment (PDA) Certificate remains valid until 20/Dec/2027 or until the Rules and/or Standards used in the assessment are revised or until there is a design modification warranting design reassessment (whichever occurs first).

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**STANDARDS**

**ABS Rules:**

2022 ABS Rules for Conditions of Classification: 1-1-4/7.7, 1-1-A3, 1-1-A4,

2022 ABS Rules for Conditions of Classification- Offshore Units and Structures: 1-1-4/9.7, 1-1-A2, 1-1-A3,

**National:**

NA

**International:**

2010 FTP Code- IMO Res. MSC.307(88) - adopted on 3 Dec 2010

**Government:**

NA

**EUMED:**

NA

**OTHERS:**

NA