

**B**olton Gate Company's range of Fireroll A0 shutters has been developed with failsafe closure and safety in mind whilst maintaining a high aesthetic appearance and offering a solution to all manner of openings in fire rated bulkheads. The shutters are manufactured in the UK in accordance with the Company's ISO 9001 Quality System.

All shutters have been successfully tested to the latest IMO Resolution A.754 (18) and are approved by most of the leading Marine Authorities including DNV GL, Lloyds, RINA, US Coast Guard and Bureau Veritas. All designs hold MED approval and are labelled with the relevant wheelmark.

In keeping with SOLAS II-2, when combined with a third-party sprinkler system, this A0 shutter can be used as an alternative when A60 is a requirement for a severy type opening.

The range is available in choice of high-quality decorative finishes from standard galvanised to polished stainless steel (grade 304 or 316) and an extensive range of polyester powder coat colours from the RAL range.

Electrically operated shutters are ideally suited for use on a variety of openings where the opening size exceeds the maximum for manual shutters or where automatic operation is preferred by the client.

### STANDARD SPECIFICATION

#### **Operation**

The shutter is electrically operated via a 230-volt nominal single-phase AC Speedsafe motor with an integral starter mounted on one endplate and is operated from an open/close/stop push button station at low level.

Adjustable limit switches ensure the shutter stops at the fully open and closed positions.

The shutter is electrically operated for everyday use but in the event of fire, the motor brake is released by either a fusible link or auto re-set 24 volt DC magnet and the shutter closes with a controlled rate of descent.

The standard system is pre-wired in our factory and merely requires plugging-in onboard.

In the event of power failure, the shutter can be opened by hand chain or closed by pull cord.

#### **Curtain**

Shutter curtains are constructed from continuously interlocking flat section galvanised steel laths 51mm high x 0.9mm thick which are securely held in place by endlocks on alternate laths.

#### **Bottom Rail**

The bottom rail is also formed from a reinforced lath to give uniformity of appearance. A stainless steel nameplate is fitted stating the relevant approval body and the door reference for traceability purposes.



#### **Side Guides**

The shutter curtain runs in vertical guides fabricated from cold rolled galvanised steel channels with continuous steel angles, which are pre punched to ensure fixing to the bulkhead at the correct centres.

#### **Roller**

The roller is made from seamless steel tube of adequate diameter and wall thickness to avoid deflection and its solid steel shaft is supported in bearings mounted on each endplate.

#### **Endplates**

Fabricated from steel plate and prepared to accept the coil casing. Securely bolted to steel angles which are drilled for attachment to the bulkhead at the correct centres.

#### **Coil Casing**

Constructed from galvanised steel and attached to the structure by setscrews.

#### **Finish**

The shutter is supplied in a white polyester powder coat finish (RAL 9010) as standard.

#### MAXIMUM SIZES

6000mm wide x 3000mm high (subject to 13.5m<sup>2</sup> maximum).

#### WEIGHT

Varies with opening size but approximately 50kgs/m<sup>2</sup>.

#### OPTIONS

- Connection to the vessel alarm via holdback magnets (24 or 220 volt DC).
- Polyester powder coated finish to a standard range of RAL colours.
- Grade 304 or 316 stainless steel construction.
- Proximity switch to signal fully closed status.
- Compliance with alternative single and three phase power supply options.

# FIRE SHUTTER - FIREROLL A0

Electrically Operated A0 Fire Resisting Roller Shutter  
(External Motor)

MAXIMUM SIZE: 6000 WIDE x 3000 HIGH

