

Bolton 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 Lloyds, American Bureau of Shipping, US Coast Guard, DNV GL and Bureau Veritas. All designs hold MED approval and are labelled with the relevant wheel mark.

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 servery type opening.

The range is available in a 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 tubular motor mounted inside the roller and is operated from a high-level control panel mounted above the ceiling and an open/close/stop push button station at low level.

A pair of terminals is provided to accept a normally closed volt-free contact from the Client's fire detection system.

When the mains supply is removed or the control panel receives a fire signal, the motor brake is released and the shutter closes under gravity with a controlled descent.

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

If the supply voltage is less than 230 volt or the shutter is fitted over an escape route, a 24 volt DC motor is provided instead (with an emergency crank handle at both sides of the bulkhead in the case of escape route).

Curtain

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

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 which are fabricated from cold rolled galvanised steel channels 52 x 25mm 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

4000mm wide x 2500mm high.

WEIGHT

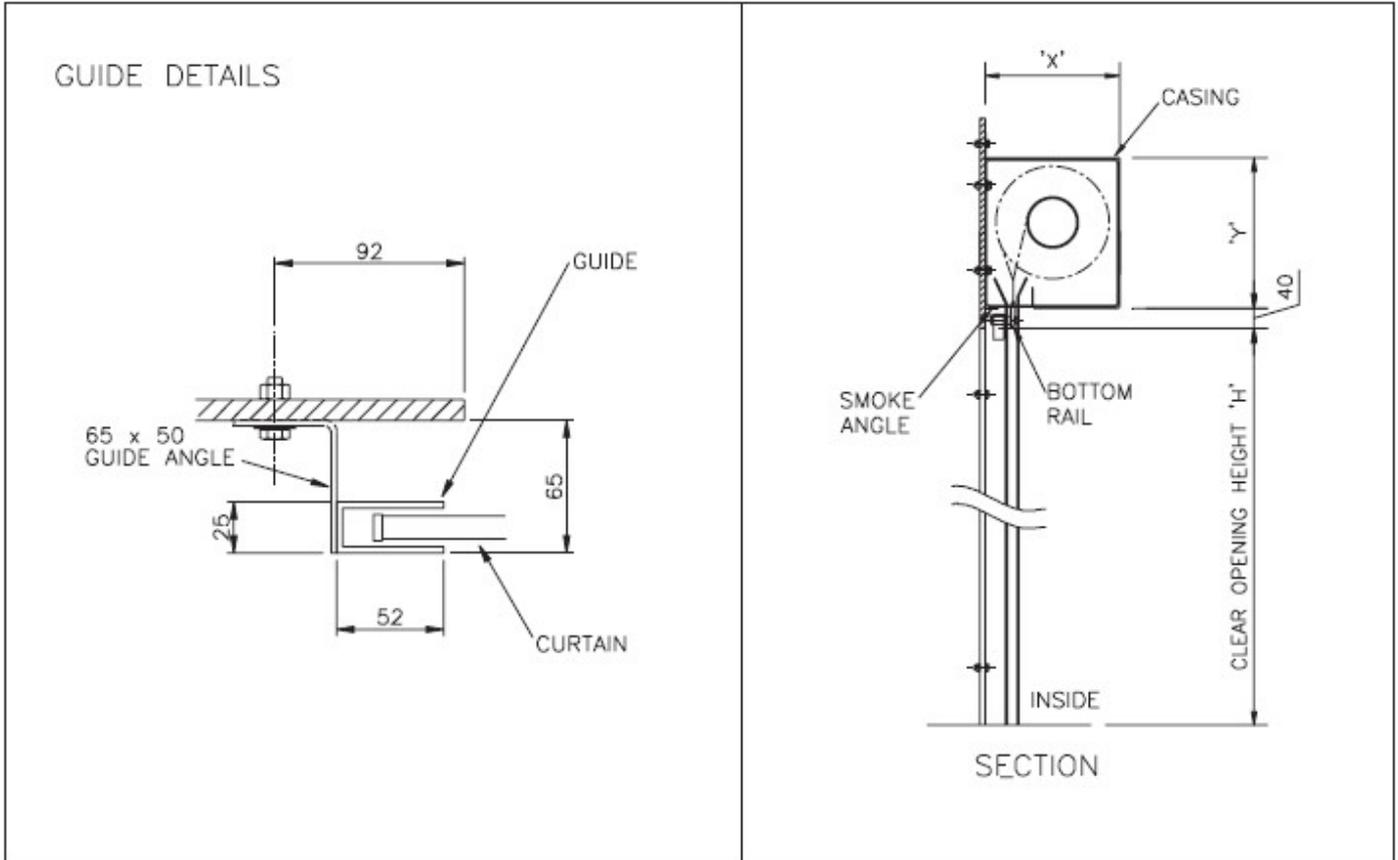
Varies with opening size but approximately 50kg/m².

OPTIONS

- 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
(Tubular Motor)



CLEAR OPENING HEIGHT 'H'	'X'	'Y'
UP TO 2100	260	290
2101 TO 2500	330	360

