



# 2hr Fire Resisting Roller Shutters



## SIZE PARAMETERS

The shutter test relates to IHR / 2hr fire resistance.

The shutters are generally intended for protection of a range of openings in masonry / concrete, steel, steel stud or timber partitions.

The maximum clear openings are for 4000mm wide x 2500mm high, or in a partition system for 1 hour up to an area of 10sq mtrs, principally this incorporates the BRE test FG 794IN which relates to a tested fire shutter in a stud partition, the opening must be fire rated to suit and be capable of carrying the weight of the shutter.

Where the shutters are used to protect serveries it is assumed that the counter is composed of non-combustible material and the counter is of sufficient width to ensure that the bottom rail movement under heating cannot result in the rail overhanging the counter.

Shutters over 3500mm up to 4800mm will be traditional curved 75mm lath construction, based on a maximum area of 10sq mtrs. Shutters under 4000mm clear width will have 50mm guides and shutters over this width will have the traditional 65mm guides.

## BATTERY BACK UP UNIT

Principally the tube motor fire shutter requires a maintained supply, if this cannot be achieved then effectively the shutter will require a battery back up unit.

Fundamentally if under fire conditions there is a power failure the shutter must have a means of ensuring closure, the unit provided will give the facility for at least one operation under fire conditions. The dimensions of the battery backup are 200mm (wide) x 130mm (long) x 70mm (deep).

## ADDITIONAL OPTIONS

- Polyester powder coat finish to a wide range of BS/RAL colours
- Fusible link release mechanism
- Audio visual warning panel

2hr Commercial Fireshutter	
<b>Curtain</b>	50mm flat or 75mm curved lath. "T" section bottom rail.
<b>Guides</b>	50mm U section, up to 4000mm wide. 65mm U section above 4000mm wide. Galvanised.
<b>Angles</b>	75mm x 50mm mild steel.
<b>Operation</b>	IPH tubular motor.
<b>Finish</b>	1 coat primer paint on end plates, angles and barrel.

# ARTISAN

## SECURITY DOORS

Choosing fireshutters has always been about selecting the right one for the job - and nothing else. But all that's about to change because **Artisan 2hr Commercial Fireshutter** has been developed to enable the aesthetics of the application to be taken into consideration.

For commercial applications, like receptions and serveries, for example, the clean lines and internal motor of the new **Artisan 2hr Commercial Fireshutter** provide a stylish solution to fire safety demands.

The Artisan 2hr Commercial Fireshutter was successfully tested at the Warrinton Fire Research Establishment and is constructed to WARRES No. 145904 - the test is in accordance with clause 8 of BS476 part 22: 1987.

## RELEASE MECHANISMS

Fire relay and key switch (requires maintained supply, battery back up needed if no maintained supply).

Fire relay, key switch and fusible link (requires maintained supply, battery back up needed if no maintained supply), fusible link if no fire alarm.

## FIRE RELAY

Principally the commonly used means of release, the characteristics mimic the use of the solenoid on the conventional fire shutter, again linked to the fire alarm, the shutter rather than closing manually through the gearbox will of course be powered down. A volt free signal is required from the fire alarm.



## 4hr Fire Resisting Roller Shutters



- Activation is generally by means of a fusible link, solenoid release or both.
- Units available in 1 phase or 3 phase.
- The motor unit has the facility to simulate a fire test via a pull and reset cord.

### MODES OF ACTIVATION

#### FUSIBLE LINK RELEASE

On activation the link, which is a soldered link, separates and releases at 64 degrees centigrade, manual brake release is activated and the shutter will close under a controlled manner.

#### MANUAL SOLENOID RELEASE

All solenoid release mechanisms are designed to be linked into the fire alarm, the signal required from the fire alarm is 24 volt. 0.5 amps on activation.

The signal from the fire alarm will trigger the manual brake release and allow the door to close under a controlled descent.

#### AUTO SOLENOID RELEASE

Again this is linked to the fire alarm and the signal required from the fire alarm is 24 volt D.C. 0.5 amps. This is the most commonly used activation allowing for frequent testing and re-setting, when the door is returned to the open position (after removal of the fire signal), the solenoid can be automatically reset.

#### ADDITIONAL OPTIONS

- Polyester powder coat finish to a wide range of BS/RAL colours
- Fusible link release mechanism
- Audio visual warning panel

So, if you're looking for proven quality and built-in reliability, this heavy duty fireshutter fits the bill every time.

The **Artisan 4hr Industrial Fireshutter** was submitted to the Warrington Fire Research Establishment and is constructed to WARRES No. 150735 - the test is in accordance with clause 8 of BS476 part 22: 1987.

So, if you're looking for the best in fireshutters, look no further than the **Fireshutter** range from **Artisan** for both industrial and commercial applications.

#### OPERATION

Electrically operated IPH / 3PH.

#### ELECTRICAL OPERATION

All electric fire shutters are available in 3 phase, 415 volts, 50hz or 1 phase, 240 volts, 50hz.

The shutters are driven by a geared electric motor; which has an integral controlled descent mechanism, emergency hand chain facility and push button starter.

The shutters rate of descent is controlled through the gears being constantly engaged, the closure speed is approximately 100mm per second.

The clutch can be reset and the door can be raised and lowered in a normal manner. Each motor incorporates a relay inhibitor to prevent the solenoid "burning out".

#### 4hr Commercial Fireshutter

<b>Curtain</b>	75mm curved lath. "T" section bottom rail.
<b>Guides</b>	65mm U section. Galvanised.
<b>Angles</b>	75mm x 50mm mild steel. (minimum)
<b>Operation</b>	IPH 240 volts 50hz or 3PH 415 volts 50hz.
<b>Finish</b>	1 coat primer paint on end plates, angles and barrel.

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## SECURITY DOORS

**For more information on technical specifications:**

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