

A close-up photograph of a red fire shutter, showing its horizontal slats and the metal frame. The shutter is partially open, revealing the interior of a building.

# Fire Shutter

(Direct Drive / Tube Operated)

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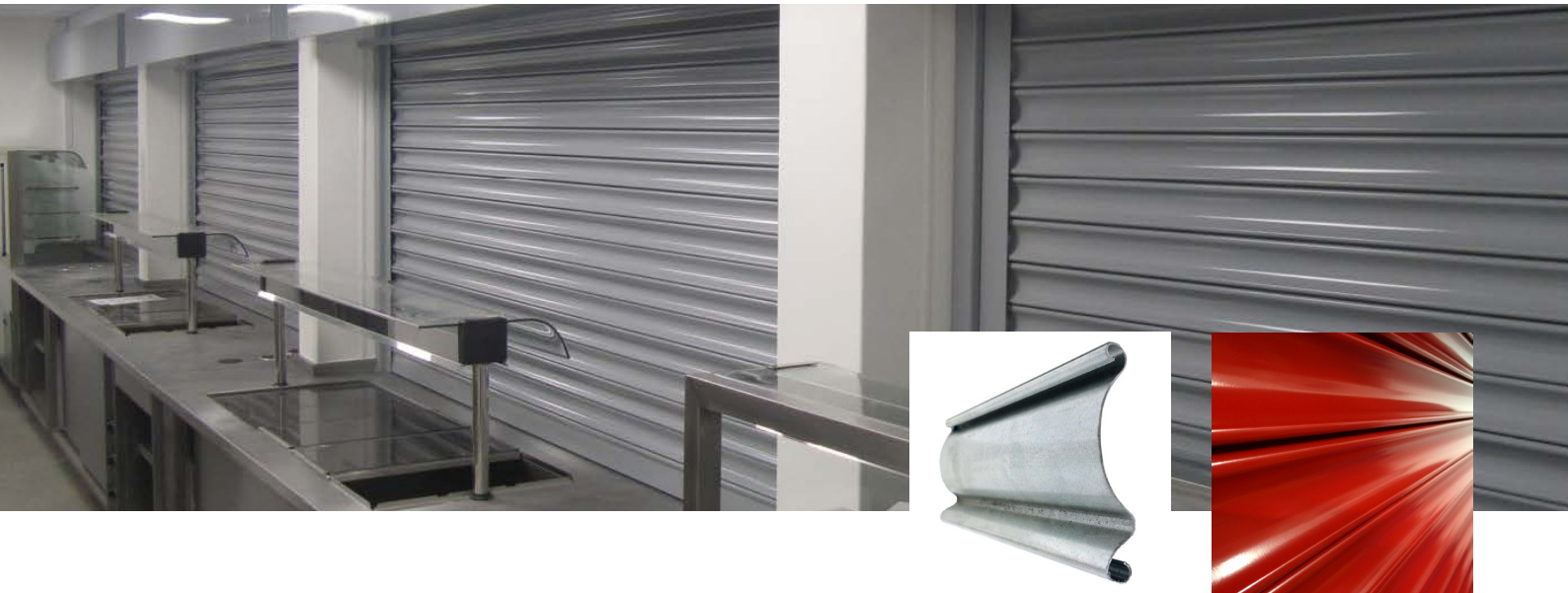
Northern Sales, Distribution Centre & Production Warehouse  
The Door Centre, Discovery Park, Crossley Road, Stockport, SK4 5BW



Raising Standards  
Safety Assured

# 1 Hour Rated

The FS60 fire shutter has been tested at Exova Warringtonfire under BS EN 1634-1:2008 test conditions, and assessed to BS EN 476-22:1987, to contain fire within particular parts of a building for 1 hour. All shutters can be connected to a fire alarm so they automatically descend by operation of the motor.



## Applications

High security commercial and service sites, up to 50m<sup>2</sup>. The FS60 fire shutter has been tested at Exova Warringtonfire under BS EN 1634-1:2008 test conditions, and assessed to BS EN 476-22:1987, to contain fire within particular parts of a building for 1 hour. All shutters can be connected to a fire alarm so they automatically descend by operation of the motor. Further fail-safe devices for higher levels of response to a fire outbreak or alarm are available. Suitable for internal or external face or reveal fit.

## Curtain Slat

To guarantee the quality and safety of industrial doors, the European Commission has established (European) guidelines in the EN 13 241 1:2003 standard. All of our sectional overhead doors meet the requirements specified in this CE NEN standard. This has been determined by the accredited Swedish research centre SP Technical Research Institute of Sweden.

## Casing

Galvanised steel casing and end plates as standard. Larger shutters incorporate barrel support frame where required (indicated on pricing tables). N.B. Reveal fix installations are supplied with a fascia as standard.

**Finish:** Galvanised finish as standard. Option to powder coat any RAL / BS colour or to choose from a range of plastisol finishes.

## Details

**Bottom Rail:** Galvanised steel 'T' shaped bottom rail.  
**Guide Channels:** Galvanised steel guide channels. Width of 65mm, 75mm or 100mm. Windlocking guides and slat-ends available.  
**Guide Channel Finish:** Galvanised finish as standard. Option to powder coat any RAL / BS colour.

Guide Height	Plate Size
2500mm	305mm
4000mm	355mm
6000mm	400mm

All plate sizes shown as a guide only and may vary.

## Operation

**Electric, Tubular:** Tubular motor with rocker or external key switch as standard and safety brake as appropriate to comply with legislation. Manual override facility and crank handle as require.  
**Electric, Outboard:** Single phase inline chain driven motor (three phase option available) with push button control, chain override, fusible link and solenoid release as standard.

All shutters can be connected to a fire alarm via an interface panel so they automatically descend in the event of an alarm signal.

CE compliant to all applicable directives and regulations.



## 2 Hour Rated

The FS120 fire shutter has been tested at Exova Warringtonfire under BS EN 1634-1:2008 test conditions, and assessed to BS EN 476-22:1987, to contain fire within particular parts of a building for 2 hours. All shutters can be connected to a fire alarm so they automatically descend by operation of the motor.

### Applications

High security commercial and service sites, up to 50m<sup>2</sup>. The FS120 fire shutter has been tested at Exova Warringtonfire under BS EN 1634-1:2008 test conditions, and assessed to BS EN 476-22:1987, to contain fire within particular parts of a building for 2 hours. All shutters can be connected to a fire alarm so they automatically descend by operation of the motor. Further fail-safe devices for higher levels of response to a fire outbreak or alarm are available. Suitable for internal or external face or reveal fit.

### Curtain Slat

Single skin 76mm curved steel with a thickness 0.7mm, 0.9mm, or 1.2mm, depending on overall opening size.

**Finish:** Galvanised finish as standard. Option to powder coat any RAL / BS colour.

<b>Visible Face:</b>	76mm
<b>Weight per m<sup>2</sup>:</b>	9.8kg (0.7mm thickness) 12.5kg (0.9mm thickness) 16.7kg (1.2mm thickness)
<b>Maximum Width:</b>	12000mm*
<b>Maximum Area:</b>	24m <sup>2</sup> (tubular) 50m <sup>2</sup> (inline)

\*Size limitations vary dependent on motor and barrel support requirements. Larger sizes may be available on request.

### Casing

Galvanised steel casing and end plates as standard. Larger shutters incorporate barrel support frame where required (indicated on pricing tables). N.B. Reveal fix installations are supplied with a fascia as standard.

**Finish:** Galvanised finish as standard. Option to powder coat any RAL / BS colour or to choose from a range of plastisol finishes (surcharges apply).

Guide Height	Plate Size
2500mm	305mm
4000mm	355mm
6000mm	400mm

All plate sizes shown as a guide only and may vary.



### Details

**Bottom Rail:** Galvanised steel 'T' shaped bottom rail.  
**Guide Channels:** Galvanised steel guide channels. Width of 65mm, 75mm or 100mm. Windlocking guides and slat-ends available.  
**Guide Channel Finish:** Galvanised finish as standard. Option to powder coat any RAL / BS colour.

### Operation

**Electric, Tubular:** Tubular motor with rocker or external key switch as standard and safety brake as appropriate to comply with legislation. Manual override facility and crank handle as required.  
**Electric, Outboard:** Single phase inline chain driven motor (three phase option available) with push button control, chain override, fusible link and solenoid release as standard.

All shutters can be connected to a fire alarm via an interface panel so they automatically descend in the event of an alarm signal.

CE compliant to all applicable directives and regulations.

# 4 Hour Rated

The FS240 fire shutter has been tested at Exova Warringtonfire under BS EN 1634-1:2008 test conditions, and assessed to BS EN 476-22:1987, to contain fire within particular parts of a building for 4 hours. All shutters can be connected to a fire alarm so they automatically descend by operation of the motor.

## Applications

High security commercial and service sites, up to 50m<sup>2</sup>. The FS240 fire shutter has been tested at Exova Warringtonfire under BS EN 1634-1:2008 test conditions, and assessed to BS EN 476-22:1987, to contain fire within particular parts of a building for 4 hours. All shutters can be connected to a fire alarm so they automatically descend by operation of the motor. Further fail-safe devices for higher levels of response to a fire outbreak or alarm are available. Suitable for internal or external face or reveal fit.

## Curtain Slat

Single skin 76mm curved steel with a thickness 0.7mm, 0.9mm, or 1.2mm, depending on overall opening size.

**Finish:** Galvanised finish as standard. Option to powder coat any RAL / BS colour.

<b>Visible Face:</b>	76mm
<b>Weight per m<sup>2</sup>:</b>	9.8kg (0.7mm thickness) 12.5kg (0.9mm thickness) 16.7kg (1.2mm thickness)
<b>Maximum Width:</b>	12000mm*
<b>Maximum Area:</b>	24m <sup>2</sup> (tubular) 50m <sup>2</sup> (inline)

\*Size limitations vary dependent on motor and barrel support requirements. Larger sizes may be available on request.

## Casing

Galvanised steel casing and end plates as standard. Larger shutters incorporate barrel support frame where required (indicated on pricing tables). N.B. Reveal fix installations are supplied with a fascia as standard.

**Finish:** Galvanised finish as standard. Option to powder coat any RAL / BS colour or to choose from a range of plastisol finishes (surcharges apply).

Guide Height	Plate Size
2500mm	305mm
4000mm	355mm
6000mm	400mm

All plate sizes shown as a guide only and may vary.



## Details

**Bottom Rail:** Galvanised steel 'T' shaped bottom rail.  
**Guide Channels:** Galvanised steel guide channels. Width of 65mm, 75mm or 100mm. Windlocking guides and slat-ends available.  
**Guide Channel Finish:** Galvanised finish as standard. Option to powder coat any RAL / BS colour.

## Operation

**Electric, Tubular:** Tubular motor with rocker or external key switch as standard and safety brake as appropriate to comply with legislation. Manual override facility and crank handle as required.  
**Electric, Outboard:** Single phase inline chain driven motor (three phase option available) with push button control, chain override, fusible link and solenoid release as standard.

All shutters can be connected to a fire alarm via an interface panel so they automatically descend in the event of an alarm signal.

CE compliant to all applicable directives and regulations.