



Bolton Gate Company

SECURITY ROLLER SHUTTER

Industrial Security Roller Shutter

Data Sheet ref. Security 8

January 25



SECURITY ROLLING GRILLE

SPECIFICATION SUMMARY

Bolton Gate Company Ltd have a long established reputation for manufacturing a wide variety of quality shutters and doors and the security roller shutter is often considered to be the foundation point for so many other variables within that range.

Produced here, in our Bolton factory, the security shutters continue to be a highly economical method of providing a secure and weather resistant closure to a wide array of openings.

Options for curved or flat lath, perforations and punched vision slots, different electrical drive options, RAL colours and even stainless steel finishes all provide for a highly adaptable and aesthetically pleasing yet cost effective solution.

Each security roller shutter is manufactured using quality products and engineering techniques ensuring trouble free operation all supported by the Bolton Gate technical design and back up.

Applications include:

The Bolton Gate Security Shutter has been supplied and installed on countless applications in the UK but also world wide. Used on factory entrances, storage facilities, boat yards and garages but also on more diverse applications such as cruise ship gangways, specialist military projects and on sites within the nuclear industry.

Where a specific SR rating is required, please refer to the Bolton Gate SecRoll Security Shutters. This product has been successfully tested and approved to satisfy LPS1175 Issue 7 to SR3 (C5).

Performance Characteristics:

General security capability
Resistance to Windload: Class 5

Key Attributes:

Robust hard wearing and secure construction.
Wind load capabilities.
Bespoke British design individually manufactured in the UK to suit our Client specifications.
A wide range of electrical controls and safety options.



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Operation

Various types of arrangement are available with smaller openings typically using a 230v nominal, single phase tubular motor and larger shutters operated by a 400v nominal, three phase geared motor either as a direct drive or flange mounted assembly.

Adjustable limit switches are incorporated to stop the shutter at the extent of its travel.

Standard controls include rocker switches or keyswitches for tubular motors and open/ close / stop push buttons for geared motors.

Fall back protection is provided as standard in the form of safety brakes either integrated within the motor or as a separate roller shaft mounted unit.

A much wider range of supply voltages and operating controls can be accommodated including ATEX requirements.

Curtain

The curtains are constructed from continuously interlocked galvanised steel laths held securely in place by end locks. Various thicknesses and profiles of laths are available and are selected according to the individual criteria such as size, wind loading etc. Laths with perforated or punched holes are also available allowing for visibility and free air flow through the curtain.

Bottom rails are generally galvanised and supplied in a T section profile.

Side Guides

Vertical guides are formed from rolled steel channels or fabricated depending upon size and wind loading and are supplied with suitable angles to fix to the structure.

To specify this product please state:

Security Roller Shutter shall be by Bolton Gate Company Ltd, Waterloo Street, Bolton BL1 2SP, UK

Tel: 01204 871001;

E-mail: sales@boltongate.co.uk **Web:** www.boltongate.co.uk

Roller

Fabricated from a steel tube of sufficient wall thickness and diameter to prevent deflection.

Endplates

Fabricated from mild steel with support angles for fixing to the opening structure.

Casings

When specified, or if the opening is less than 2.4m high, a galvanised steel coil casing is provided as standard to close off the operating mechanism.

Finish

Galvanised steel as standard with some parts primer painted.

Maximum Sizes

Typical arrangements up to 7000mm wide x 7000mm high - we are capable of manufacturing significantly larger widths and heights please discuss your requirements with our sales team.

Weight

Varies with opening size dependent on lath/barrel/casing requirements but a typical arrangement would be approximately 25kgs/m².

Options

PPC finish to the range of RAL and BS colours.

G316L or G304 stainless steel finishes.

Complete range of electrical drives and supply voltages.

Complete range of safety controls and equipment such as

- Light curtains / safety photocells.
- Radio controls
- Radar or loop detectors
- Timer controls
- ATEX rated drives and controls.