



SECURITY ROLLING GRILLE SPECIFICATION SUMMARY

Bolton Gate Company's Security Rolling Grille is designed for openings where a high degree of security is required whilst maintaining the see through visual aspect not available when using traditional closed lath shutters.

The parallel mesh design combined with stainless steel or powder coat finishes alongside coil and motor casings provide a highly aesthetic appearance ensuring the grille is entirely suitable for an extensive range of applications.

Each grille is bespoke, manufactured to suit the individual openings and can be face fixed or fixed between the structural opening.

The grille can also be provided in a roller shutter / grille hybrid combination which is particularly beneficial in large car park openings where the lower portion is supplied with traditional shutter lath for security purposes but the upper portion utilises the grille to provide the free air flow for the exhaust gases.

Applications include:

The powder coated steel version of the security rolling grille is most frequently used on car park or loading bay type applications where the high volume airflow that it permits is advantageous. Combined with specialist ATEX rated drive systems the air flow capabilities have seen the grille successfully used on gas and chemical stores.

The stainless steel option has been used on high-end shop fronts, malls, superstore entrances, corridors and reception areas where the specifier has wanted to maximise viewing area or create a heightened sense of space.

Performance Characteristics:

The grille arrangement provides for up to 80% free air flow. Extensive safety features coupled with simplicity of operation.

Key Attributes:

Parallel grille arrangement maximizing free air flow.

Aesthetic appearance.

Strong robust construction offering a secure closure option.

Operation

Electric operation is provided by a 400-volt nominal, 3 phase, direct drive motor complete with integrated safety brake.

A manual disconnect mechanism complete with haul chain is provided for use in the event of power failure.

Open / Close / Stop push button controls are integrated within the face of the low level control panel.

A 230-volt, 1 phase tubular motor option is also available (depending on opening size) in addition to a whole array of optional control and safety equipment that can be provided for both drive options. Please discuss your requirements with our technical sales team.

Curtain

Constructed from steel tubes and links to provide a parallel mesh of 500 x 85mm.

Continuous steel inner tubes running horizontally provide strength against bowing and are secured by end pins to prevent lateral movement.

The curtain is available with a Grade 304 stainless steel finish or in galvanised steel with the option of a powder coat finish.

Bottom Rail

The bottom rail is formed from two steel angles.

Side Guides

Vertical guides channels are formed from galvanised steel and provided with full height angles for securing to the structure.

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

A galvanised steel coil casing and motor casing are provided as standard to close off the operating mechanism and complete the aesthetic appearance of the grille.

Finish

Galvanised steel with powder coat finish as standard.

Maximum Sizes

10000mm wide x 5000mm high
(Subject to a maximum of 40m²).

Weight

Varies with opening size dependent on lath/barrel/casing requirements but approximately 25kgs/m².

Options

- Tube motor operation.
- ATEX rated drive and controls systems.
- Grade 304 stainless steel curtain.
- A range of PPC RAL colours.
- Additional electrical controls e.g.:
 - Keyswitches.
 - Radio controls.
 - Light curtains / safety photocells.
 - Radar / loop detectors.
 - Timer closing.

To specify this product please state:

Security Rolling Grille shall be by Bolton Gate Company Ltd, Waterloo Street, Bolton BL1 2SP, UK

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