



Bolton Gate Company

BOLTON SUPERIOR

Industrial Sliding Folding Shutter Door

Data Sheet ref. Security 6

January 24



BOLTON SUPERIOR SPECIFICATION SUMMARY

The Bolton Gate Company Superior sliding folding industrial shutter door carries a name that is entirely appropriate given it is Internationally accepted as the most robust shutter door available.

The Bolton Superior is suited for both heavily used and very large doorways.

Rigorously tested for its resistance to wind, the Bolton Superior has proved itself capable of withstanding the most onerous of loadings including those caused by typhoon or hurricane conditions.

Built to suit our Client's requirements, the Superior Folding Shutter Door is available as a single door or in pairs and offers a compact solution when headroom is tight.

Applications Include:-

The Superior Folding Door has been used on countless projects where typhoon and hurricane resistance is of paramount importance. Rapid acting fire station doors, ambulance station doors and police station doors have all benefitted. Shipyards, aircraft hangars and even space rocket hangars, almost every large industrial application.

Performance Characteristics:-

Provides a high level of security.

Resistance to Wind Load—Class 5 as standard.

Modified design capable of up to 4.25kPa (equivalent to 83m/s or 186mph).

Key Attributes:-

A door that is manufactured with experience and history but having increasing relevance due to changes with current climatic conditions and weather patterns.

- Integral superior strength and durability.
- Compact headroom.
- To suit large opening areas.
- Continuity of supply.



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Operation

Bolton Superior doors are electrically operated as standard using a 400-volt nominal, 3-phase geared brake motor.

A constant pressure push button starter is provided for use adjacent to and in full view of the opening.

Gate Frame

Extra strength is gained from 25mm hot rolled channel pickets interconnected by 30 x 10mm solid steel lattice bars. The gate frame is top hung from free running ball bearing pulleys connected to the pickets with zinc plated bottom guide pieces fitted at the base to run in the bottom track.

Leading edge

The high security leading edge is fabricated from steel plate and channels into a rigid box section and is fitted with handles both sides.

Shutter leaves

Full height galvanised steel leaves at 305mm wide x 1.2mm or 1.5mm thick formed to a unique rigidised detail provide a continuously interlocking weather resistant installation completed by securely capped galvanised steel hinge strips.

Top Track

The 229mm deep fabricated top track incorporates two round edge runner rails ensuring smooth running of the pulleys. The motor gearbox, tensioner and adjustable limits are surface mounted for ease of access whilst the drive chain is totally enclosed to provide direct in-line transmission.

Bottom Track

Type B24 fabricated from double 51mm x 25mm hot rolled steel channels which finish flush with the floor.

Coverplate

A galvanised steel weather coverplate is bolted to the top track to act as a flashing over the shutter leaves.

End Panels

For doors face fixed behind and bunching clear of the opening a neat, weather resistant, vertical closure is provided using galvanised steel sheet end panels.

Shutter Arrangements

The doors can be supplied to fix externally, internally or between jambs and can bunch to one or both sides of the opening

Maximum Sizes

Singles: 20 metres wide x 15 metres high

Pairs: 40 metres wide x 15 metres high

Finish

Mainly galvanised with ungalvanised parts being prime painted. The gate frame is powder coated.

Weight

Approximately 50 kgs per m².

Options

Polyester powder coated finish in a range of standard RAL colours.

Frequency inverters for speed adjustment / soft start / stop.

Vision panels.

Cut outs to leaf.

Safety edges / photocells.

Accommodate catenary power lines / crane beams.

Various wind loadings.

To specify this product please state:

Bolton Superior 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