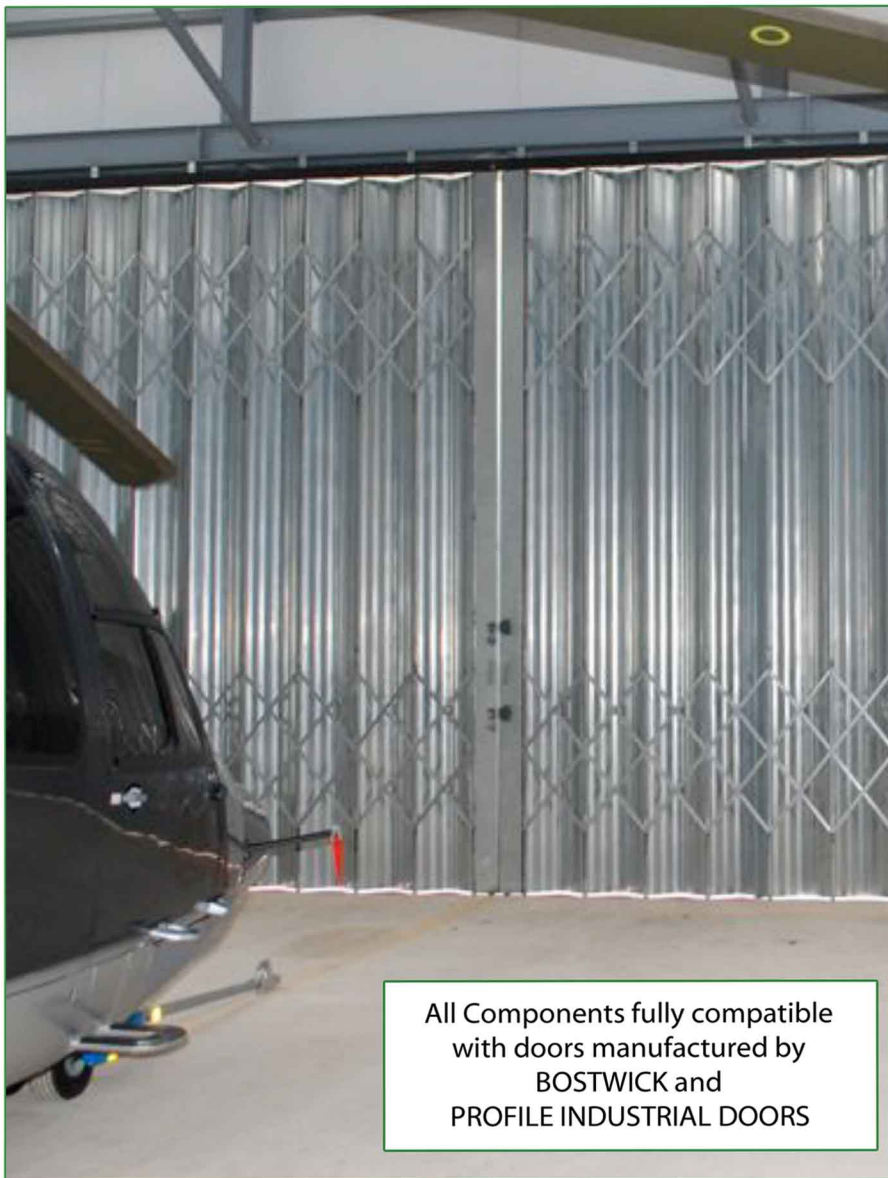


Folding Shutter Components



All Components fully compatible
with doors manufactured by
BOSTWICK and
PROFILE INDUSTRIAL DOORS

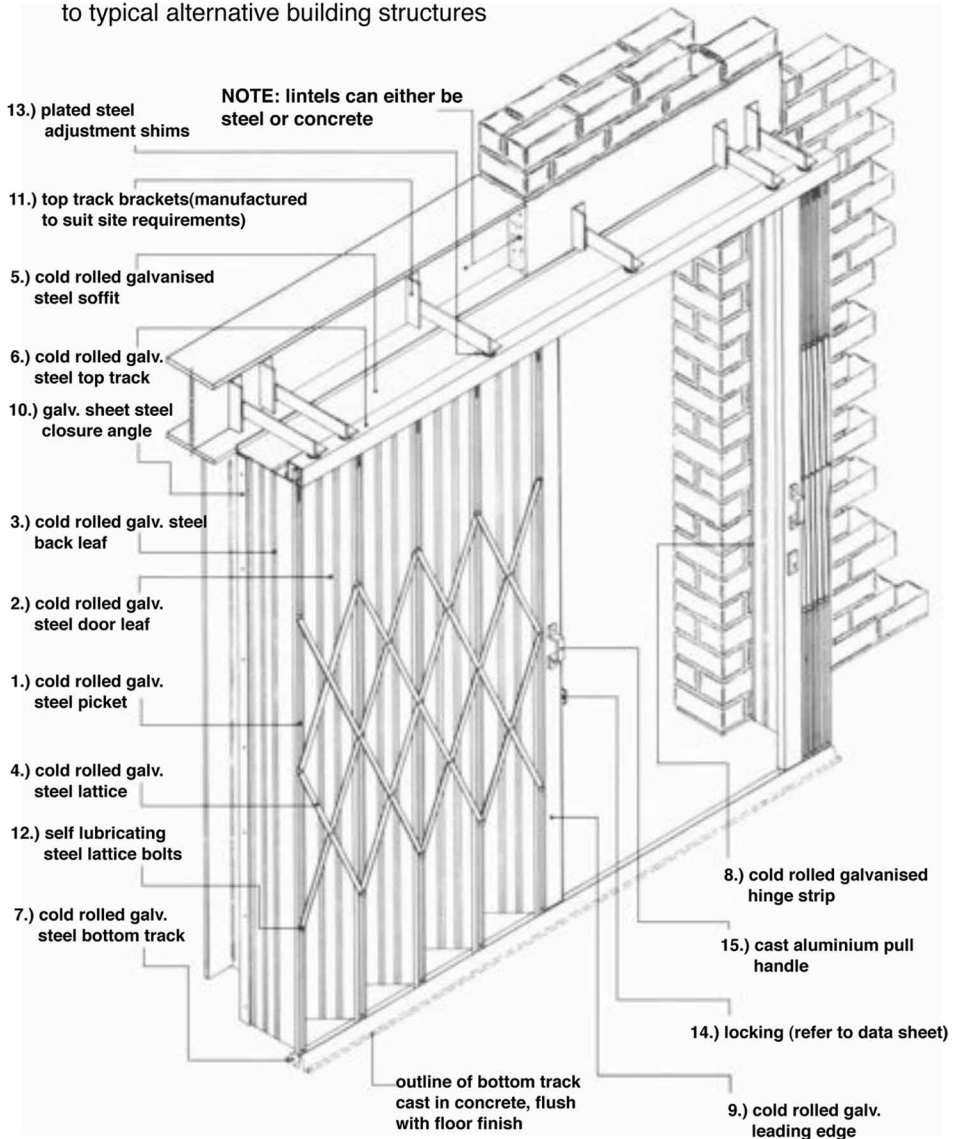


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TECHNICAL DATA SHEET - FOLDING SHUTTER DOOR

Isometric view of a pair of doors shown fixed to typical alternative building structures



TECHNICAL DATA SHEET - STANDARD SPECIFICATION

1.) Picket

Constructed from cold rolled galvanised sheet steel and is the spine of the door. Rolled from a single sheet of steel it forms a double sided back-to-back lipped channel. The galvanised steel channel at the front of the door constrains the scrolls of each pair of leaves and the channel at the rear forms the guide for the self lubricated lattice bolts. The advantage of a one piece picket is that the lattice and leaf operation is governed by a single unit.

2.) Door Leaves

Constructed from cold rolled galvanised sheet steel, the leaves are available as standard in a 230 mm width. The leaves have three rows of vertical ribbing for increased strength and scrolled edges for connection to the picket and hinge strip.

3.) Back Leaves

Constructed to the same specification as the door leaves, the back leaf provides a means of 'closing off' the operational sideroom at the door bunch.

4.) Lattice

Constructed from cold rolled galvanised sheet steel, the lattice is the means of ensuring the even operation of the door. It is connected to the pickets by self lubricated lattice bolts, which ensure the characteristic 'lazy tongue' operation for the pair of leaves.

5.) Soffit

Constructed from cold rolled galvanised sheet steel, the soffit is connected to the track and is manufactured in the form of a lipped tray. The standard soffit maintains a 260 mm dimension from the centre line of the door to the front upstand of the tray. Extended soffits can be manufactured to suit the client's requirements.

6.) Top track

Constructed from cold rolled galvanised steel and guides the movement of the pickets during opening and closing. Rolled from a single width of steel, a high degree of straightness is achieved, which ensures the smooth operation of the door. On single doors exceeding 900 kgs, an alternative track is available to accommodate the additional implied loads. This heavy duty track is paint primed for protection.

7.) Bottom Track

Constructed from cold rolled galvanised steel, the bottom track is an 'M' profile. This is the optimum shape for providing the greatest strength, whilst exposing the least area at finished floor level. The tapered sides of the track create a self cleaning action when the picket bottoms are traversing the opening. On very large openings where lintel deflection can be a major consideration, deeper bottom tracks can be manufactured to suit site conditions.

8.) Hinge Strip

Constructed from cold rolled galvanised steel, the hinge strip provides a connection for the external scrolls of the door leaf.

9.) Leading Edge

Constructed from cold rolled galvanised steel, the leading edge provides access for handles and locking facilities. Special leading edges can be manufactured from rolled hollow sections and galvanised sheet steel to accommodate cut outs for runway beams, cable conduits etc.

10.) Closure Angle

Manufactured from galvanised sheet steel and fitted to the back leaf to complete the closing of operational side clearance. (see Item 2).

11.) Top Track Brackets

Constructed from rolled steel angles, factory welded to suit site requirements. Finished in rust inhibiting paint.

12.) Lattice Bolts

Steel square headed bolts running in the back of the picket and connected to the lattice. The head of the bolt is coated and requires no maintenance.

13.) Steel Shims

Plated steel adjustable shims to take up site variations during installation

14.) Locking

A variety of locking facilities are available, the most popular being padlock fittings fixed either internally or externally. Mortised hookbolt locks and surface mounted hookbolt locks are also available.

15.) Pull Handles

Manufactured from cast aluminium and fitted to both sides of the leading edge as standard.

16.) Top Track Rollers

Steel roller units, pre-lubricated and sealed for life, requiring no maintenance.

17.) Slam Post (Applicable To Single Doors).

Constructed from cold rolled galvanised steel to form a security post for the closed door.

WEIGHT

The weight of a folding shutter door, for structural loading purposes, can be assumed to be 32 kgs/sq. metre.

Heavy Duty Top Track

Material: 5mm thick high carbon steel

Size: 60mm wide x 75mm deep

Finish: Natural

Stock length: 8000mm



Standard Duty Top Track

Material: 2.5mm thick mild steel

Size: 60mm wide x 75mm deep

Finish: Galvanised

Stock length: 8000mm



Standard Duty Bottom Track

Material: 2mm thick mild steel

Size: 76mm wide x 42mm deep

Finish: Galvanised

Stock length: 9000mm



Shutter Leaf

Material: 0.9mm thick mild steel

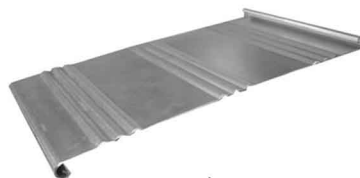
Finish: Galvanised

Stock lengths: 2980mm

3980mm

4980mm

5980mm



Front Hinge

Material: 2mm thick mild steel

Size: 27mm x 16mm

Finish: Galvanised

Stock length: 8000mm



Hinge cap

Material: Stainless steel

Size: 27mm x 13mm (nominal)



Picket Section

Material: 1.2mm thick high carbon steel

Size: 25mm wide x 19mm

Finish: Galvanised

Stock lengths: 3070mm

4070mm

5070mm

6070mm



Top Pulley Wheel

Material: Hardened steel

Size: 50mm diameter

Finish: Natural



Picket Blocks

Top Block

Material: 6mm thick mild steel

Size: 20mm x 6mm x 44mm long

Finish: Bright zinc plated



Bottom Block - 'Leaf Side'

Material: 6mm thick mild steel

Size: 20mm x 6mm x 34mm long

Finish: Bright zinc plated

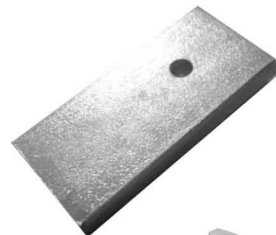


Bottom Block - 'Lattice Side'

Material: 6mm thick mild steel

Size: 20mm x 6mm x 44mm long

Finish: Bright zinc plated



Picket Bolt

Size: M8 x 30mm long - 20mm square head

Finish: Fixed bolt - Bright zinc plated

Sliding Bolt - Powder Coated



Back Channel 'G'

Material: 1.5mm thick high carbon steel

Size:

Odd - leg channel, 19mm x 9.5mm x 18mm

Length: 6000mm



Clip On Brush Strip

Material: Nylon Brush, plastic housing

Size: 230mm long, 10mm trim

Finish: Grey plastic, black trim



Lattice Bars

Material: 2mm thick mild steel

Size: 25mm x 5mm

Length: 666mm & 1308mm

Finish: Galvanised



Lattice Washers

Material: 3mm thick nylon

Size: 19mm O/D, 8.3mm I/D

Finish: Natural



Material: 3mm thick, mild steel

Size: 16mm O/D, 8.3mm I/D

Finish: Bright zinc plated



Leading Edge Channel

Material: 2mm thick high carbon steel
Odd - leg channel, size: 90mm x 76mm x 31mm
Finish: Galvanised
Length: 8000mm



Leading edge channel 'F'

Material: 1.5mm thick
Size: 27mm x 16mm
Finish: Galvanised



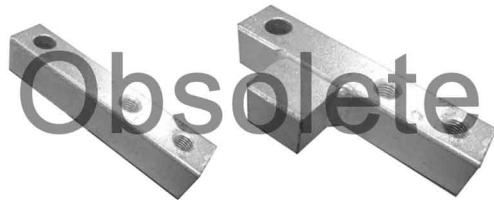
Leading Edge Top & Bottom Block

Material: Mild steel
Size: 40mm x 20mm x 105mm long
Finish: Bright zinc plated



Leading Edge Top & Bottom Block

Material: Mild steel
Size: 20mm x 20mm x 105mm long
Finish: Bright zinc plated



Slam Post

Material: 2.5mm mild steel
Size: 96mm x 37mm
Finish: Galvanised
Stock length: 8000mm



Bow Handle

Material: Cast Aluminium
Size: 150mm (nominal)
Finish: Natural



Packing Shims

Material: 1.5mm thick mild steel
Size: 50mm diameter
Finish: Bright zinc plated

Material: 5mm thick mild steel
Size: 50mm square
Finish: Bright zinc plated



Deadlocking

Chubb 3M50, mortised, 5 lever lock
Key operation both sides



Standard Duty Hasp & Staple

Finish: Bright zinc plated



Heavy Duty Hasp & Staple

Finish: Hammerite painted



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