Folding Shutter Doors

dp doors & shutters Ltd Folding Shutter Doors are hard to match for a strong, rubust door. The proportional movement of the door, controlled by a pantograph system, provides a design which is tough and yet smooth and easy to operate and which will tolerate the most extreme weather conditions. The top hung, single or double units stack neatly to the side of the opening and occupy very little headroom. A floor channel is generally required but for certain applications a secondary top track can be fitted to prevent sway and allow an uninterrupted threshold.

As the doors can be arranged to fit around crane beams or railway catenary wires they are ideal for warehouses and locomotive or carriage sheds. Any number of fixed or floating door units can be combined to cover openings of virtually any width. Single or double units can be power operated and fitted with a wide range of control options.

See sheet FR5 for details of two and four hour fire rated Folding Shutter Doors.

Specifications

Construction: Ribbed steel leaves, 230mm wide, with rolled edges hinge in patented pickets which are hung from a horizontal tubular track and guided in a channel set into the floor. Proportional movement is achieved by a series of bars in the form of a pantograph fitted to the inside faces of the pickets with pivoting and sliding connections. A fabricated leading edge strengthens the front of the door unit and carries pull handles, locking and the chain gripper for electrically operated doors.

Finish: All rolled components are supplied in galvanised steel. Other steel items are zinc plated except fabricated brackets which are primer painted.

Colourcoat HP200 Plastisol is available, with 0.9mm thick leaves only, up to 6 metres high. (See colour chart for availability).

Powder coating is available also, up to the full height limit.

Note that leading edge, outer hinge strips, covers and the outside face of the leaves only are colour finished. Internal door items, pickets and lattice bars for example, are supplied in galvanised finish.

Size Range: Height – up to 9 metres. Width – unlimited with multiple units.

Total Weight: 30 kg/m^2 minimum

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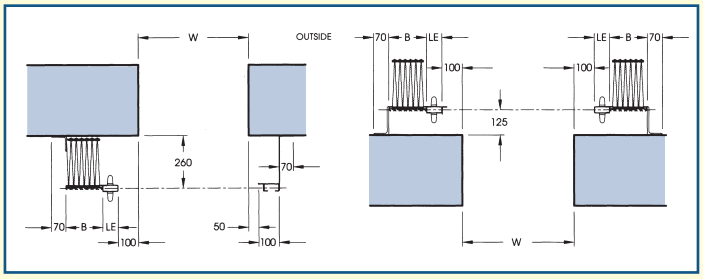
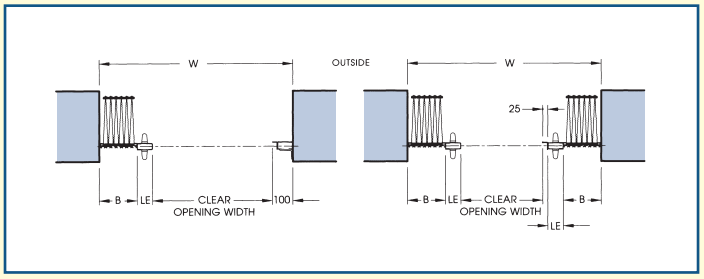
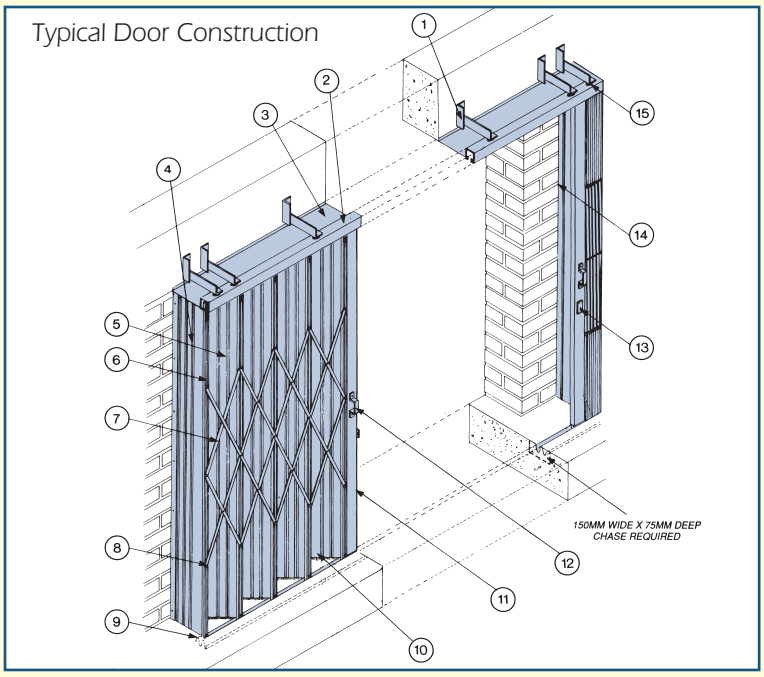
Folding Shutter Doors



IR/OR Types (fixed inside or outside Reveals)



BJ Type (fixed betweem Jambs)



1. Track brackets – fabricated from steel angles, finished in factory applied primer.
2. Top track – 2.6mm thick cold formed galvanised steel, supplied in one length when possible. For very large doors a painted heavy duty track, 5mm thick is supplied.
3. Top covers – to reduce draughts. Formed in galvanised steel. Special larger sizes available.
4. End leaf or cover – provided to close the gap between the end picket and the wall.
5. Leaves – ribbed galvanised steel, 0.9mm or 1.2mm thick, 230mm wide, with rolled edges which hinge easily in the pickets and outer hinge stripes.
6. Pickets – patented cold rolled galvanised steel section fitted with a sealed ball bearing roller. The pickets support the weight of the leaves and provide connections for the lattice assembly.
7. Lattices – cold rolled in galvanised steel give the door proportional movement allowing even large doors to be mannually operated.
8. Lattice sliders – special bolts with Teflon coated heads ensure that the ends of the lattice bars slide freely.
9. Bottom channel – a rugged 2mm thick galvanised steel multi-profile section provides a continuous lip for grouting. Special arrangements are available.
10. Brush strip – nylon in PVC clip-on extrusion is factory fitted to bottom of leaves.
11. Leading edge – in galvanised steel. The standard width is 75mm, but can be up to 300mm to stabilise larger doors or to accommodate cut-outs for beams etc. up to 500mm wide.
12. Pull handles – in aluminium.
13. Locking – hasp and staple is standard with a mortised or surface hook bolt available.
14. Outer hinge strip – a ribbed galvanised steel section provides the hinging action for the outer edges of the leaf pairs.
15. Track packers – in zinc plated steel for height adjustment of the track.

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