



GENERAL

The Mercian A1 Glazed Sectional Overhead door is manufactured to specific requirements to suit regular shaped openings. Designed for applications where light, good visibility aesthetics and energy efficiency are the main criteria. Stiffened extruded aluminium sections provide a very strong door with weather tight seals to the single or double glazed units. Standard configuration is for the bottom panel to be closed with an insulated infill with a variety of alternative available. Please refer to the separated leaflet with this sheet.

Maximum opening size: 7000mm wide x 6250mm high

Special features of this range are:

- Individual panels can be replaced if damaged
- Wide choice of finishes/colours including: HP200 - HPS200, Polyester powder coat.
- Rapid installation by factory trained engineers
- Large range of factory fitted extras to suit customers specific requirements



COMPOSITION, MANUFACTURE

Panels: Constructed from a variety of materials. Solid infills of closed cell in-situ expanded polyurethane foam, double or single glazed acrylic sheet.

Bottom Panel: Rubber seal on bottom for weather resistance.

Side & Back Tracks: Profiled steel section which offers minimum resistance to the movement of the rollers. Braced at high level for added strength.

Seals Vertical and soffit rubber seal.

Spring Assembly: Combinations of stress tested torsion springs mounted on steel shaft supported by roller bearing plates. Spring effort is transmitted via cable cones and steel cables. This ensures smooth consistent operation over the complete door range.

Locking: Internal lockable fitted shootbolt for customers own padlock. (Microswitch interlocked on powered doors)

Accessories

The following are available as factory fitted extras or as supplementary items at a later date:

- Electrical operation to give full compliance with current EC directives and Regulations 5 and 18 of the Health & Safety "Workplace Health, Safety & Welfare" Regulations 1992.
- "Stop in impact" or "Stop and return to open on impact" safety bottom rails.
- Wicket doors.

OPERATION

Handchain A1C Operation is by endless handchain through mild steel gears to give ease of operation together with rapid response from fully closed to fully open.

Electric Operation A1E Preferred for openings over 4000mm x 4000mm. A 440 volt 3 phase motor with limit switches, reversing contactor starter and provision for rapid conversion to emergency manual operation is used. May be specified as original equipment or as a conversion at a later stage.



Assessed to ISO 9001:2008
Certificate number 355

Mercian Industrial Doors is a trading name of Mercian Shutters Limited
Pearsall Drive Oldbury West Midlands B69 2RA Tel: 0121 544 6124
www.merciandoors.co.uk sales@merciandoors.co.uk

Mercian Industrial Doors has a policy of continuous product improvements and reserve the right to amend specifications and details without notice.

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DHF

Door & Hardware
Federation
raising standards



All Mercian sectional overhead doors are carefully counter balanced for ease of operation, but consideration should be given to frequency of use when deciding on the provision of handchain or electrical operation.

MODES AVAILABLE

Standard Lift The most common application due to its simple design and easily constructed structural opening. Particularly suitable where headroom above the door in the open position is restricted. The back tracks should follow the roof slope where possible, or be inclined upwards from the opening height on a minimum pitch of 1 in 25.

High Lift Where a greater degree of internal clearance to the underside of the open door is required e.g. for fork lift truck operations The back tracks should follow the roof slope where possible, or be inclined upwards from the opening height on a minimum pitch of 1 in 25.

Vertical Lift Particularly useful where roof or purlin loadings are critical, or a completely uncluttered internal aspect is required.

SITWORK

Construction Openings may be formed in masonry, steel, concrete or timber. The building structure must be suitable to support the loadings imposed by the door. Our technical staff will be happy to advise on specific requirements.

SUPPLY

Delivery The doors are delivered to site on Mercian transport. Delivery periods are flexible to meet the demands of our customers. Please contact us with your requirements.

Technical For further information or technical advice please contact our Technical Sales Department at the address below.

INSTALLATION & MAINTENANCE

The company has teams of specially trained installation engineers and offers a comprehensive programme of preventative maintenance, upgrade and emergency repair services to ALL types of industrial doors. Free survey and quotation service. Call us for an obligation free site visit.

Glazing Options

Option	Description	Bottom Panels	
P1	Single glazed with 3 mm clear acrylic sheet	Bottom Panels	
P2	Double glazed with 2 x 3 mm clear acrylic sheet	BP1	As opposite
P3	Single glazed with 3 mm polycarbonate sheet	BP2	Sectioned bottom panel infilled with insulated stucco aluminium insert panels
P4	Double glazed with 1 x 3 mm acrylic and 1 x 3 mm polycarbonate sheet or 2 x 3 mm acrylic sheet	BP3	40 mm thick plain insulated bottom panel
P5	Single glazed wired glass	BP4	40 mm thick stucco aluminium bottom panel
P6	Single glazed with 4 mm toughened glass		



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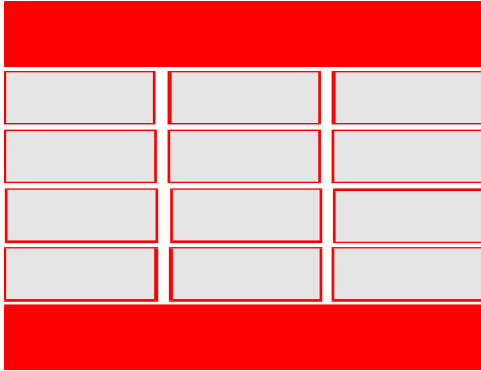
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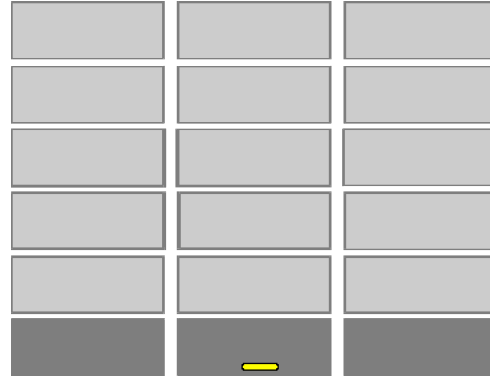


COMBINATION

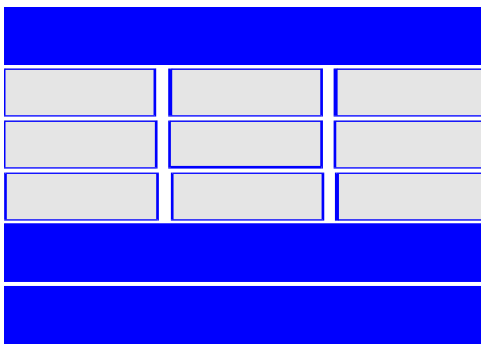
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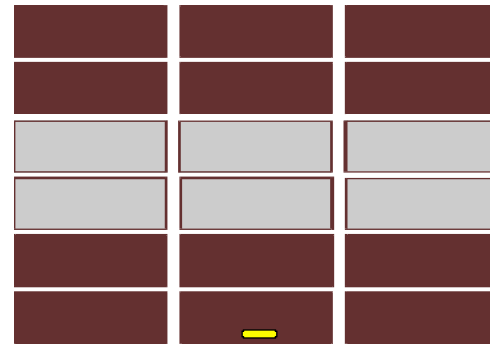
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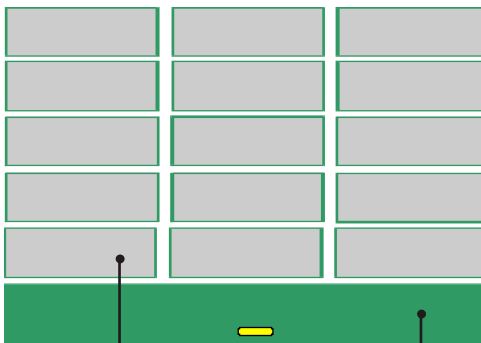
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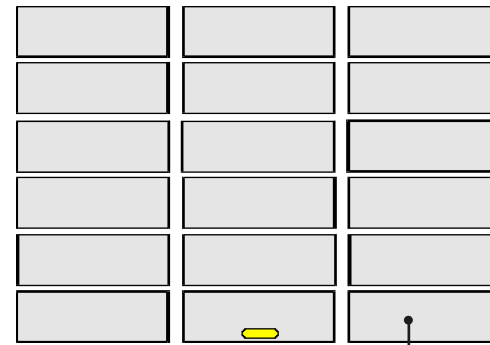
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3

GLAZING

INSULATED PANEL



6

SOLID



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