



GENERAL

Introduction The Mercian F229 galvanised un-insulated folding sliding door is manufactured to specific commercial and industrial requirements to suit regular shaped openings or special application. Doors can concertina singly, as a pair or as a fully floating leaf. Can be fixed on inside of wall face, outside or underside of lintels.

Maximum opening size: 30000 mm wide x 6000 mm high.

Special features of this range are:

- Individual leaves can easily be replaced if damaged.
- Leading edge can be contoured to suit crane beams.
- Rapid installation by factory trained engineers.
- Special lifting equipment is not required.
- Large range of factory fitted extras to suit customers specific requirements.

COMPOSITION

Leaves Constructed from 229 mm wide preformed galvanised steel with ribbed profile for vertical strength, connected with galvanised hinge strips to provide total security

Pickets Cold formed galvanised steel forming the basis of the internal framework of the door. Each picket individually suspended from hardened steel rollers running on steel bearing races.

Lattice Galvanised steel operating on the lazy tongue principle and connected to the pickets to ensure consistent opening and closing action across the full width of the door.

Top Track Galvanised cold rolled section suspended from steel brackets with height adjustable shims.

Bottom Track Heavy duty design in galvanised steel multiprofile section.

Soffits, side flashings and slam posts Standard profile galvanised steel closures at soffit level and the sides (where required). Galvanised steel slamposts can be provided to suit clients specific requirements.

Locking Fitted with hasp & staple for customers own padlock either on the inside or outside. A hookbolt lock can be specified if required.

Accessories

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

- Electrical operation.
- Brush seal to the bottom and/or top of the leaves.
- Leading edge cut outs to suit crane beams.
- Galvanised sheet steel weather canopies.

OPERATION

Manual F229M Pull handles on both sides of the door to assist in hauling doors open or closed. No maximum size for this operation but please refer to note below.

Electric operation F229E A 415 volt 3 phase motor with limit switches, reversing contactor starter and provision for rapid conversion to emergency manual operation. 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
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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



Note! Mercian folding sliding doors are carefully assembled for ease of operation, but consideration should be given to frequency of use and size when deciding on the provision of electrical operation.

SITWORK

Construction Openings may be formed in masonry, steel or concrete. The building structure must be suitable to support the loading 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 but usual delivery times are 2/3 working weeks from settlement of details.

Technical For further information or technical advices please contact our Sales department.

INSTALLATION & MAINTENANCE

The company has teams of specially trained installation engineers and offers a comprehensive programme of preventative maintenance, upgrade and emergency repair service to **ALL** types of industrial doors, Free survey and quotation service.

Unless otherwise stated all dimensions are expressed in mm. Tolerances as noted.

CLEAR OPENING	BUNCH (APPROX.)
1600	260
2000	276
2600	300
3000	350
3500	376
4000	400
4500	426
5000	476

MERCIAN

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1. THE CLIENT MUST ENSURE THAT THE STRUCTURE AROUND THE OPENING IS ADEQUATE TO TAKE:
A) THE WEIGHT OF THE DOOR AND
B) SUITABLE FOR THE TYPE OF FIXINGS

STANDARD FIXINGS:
M8/M10 BOLTS TO STEEL
M8 COACHSCREWS WITH PLASTIC PLUGS TO BRICK OR BLOCKWORK

FOR ELECTRIC MOTOR OPERATED DOORS:

ELECTRICAL SPECIFICATION:
CLIENT TO PROVIDE FUSED SPUR WITH 415 VOLT (THREE PHASE & NEUTRAL SUPPLY) FUSED 10 AMPS. ISOLATOR TO BE POSITIONED WITHIN 1 METRE OF THE OPENING ON THE MOTOR SIDE APPROX. 1.5 METRES ABOVE FFL.
MERCIAN RESPONSIBLE FOR WIRING FROM ISOLATOR TO MOTOR ONLY.

ALWAYS SWITCH OFF THE POWER AT THE ISOLATOR BEFORE REMOVING OR TOUCHING ANY PART OF THE ELECTRICAL EQUIPMENT
 YOU SHOULD CONTACT A COMPETENT ELECTRICIAN TO CARRY OUT ANY NECESSARY ADJUSTMENT OR FAULT FINDING

TYPE F229

TITLE:
TECHNICAL DATA INFORMATION & TYPICAL DETAILS - UN-INSULATED FOLDING SLIDING DOORS

DRAWING No.: FSDDET1 **REV:** 0
SCALE: NTS **PRODUCT:** F229ME
FILE REF: D:\CADFILES\CONTRACTS\STANDARD\FSD

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