



GENERAL

The Mercian C50/75 S50/75 galvanised un-insulated roller shutter door is manufactured to specific requirements to suit regular shaped opening or special applications. The advantages of this type of door are that lintels and floor tracks are not necessary and the side guides are usually concealed behind reveals for protection. Compact in design, the door provides minimal intrusion into building space. Can be fitted externally if required.

Maximum opening size: 3000 mm wide x 2500 mm high (6.25m²) for Push Pull. 12000 mm wide x 6000 mm high for electric operation.

Special features of this range are:

- Individual lath can easily be replaced if damaged.
- Wide choice of finishes/colours including powdercoated.
- Rapid installation by factory trained engineers.
- Special lifting equipment is not required.
- Flexible range of options to suit customers specific requirements.



COMPOSITION

Curtain Constructed from preformed galvanised steel scrolled lath with ribbed profile at 75 mm centres for extra strength or 50 mm flat lath. Clearline perforated lath gives 30% light transmission and provides airflow.

Bottom Rail Rigid and robust inverted 'T' section in aluminium gives additional strength to the bottom of the curtain.

Side Guide Profiled steel section which offers minimum resistance to the movement of the curtain. Flares at the top of the guide provide an accurate lead for the shutter curtain. Stop bars are fitted to the guide at the clear opening height to prevent accidental over travel.

Torsion Springs As required by our design specification. Mild steel heavy duty or galvanised endplates and steel fixing angles are used to transfer the barrel weight back to the structure.

Locking The curtain is not usually locked with electric operation; locks including shootbolts on the bottom rail for customer own padlocks or pinlocks welded to the side guide can be incorporated. A bottom rail central lock is also available as is a ground bolt locking device.

Accessories

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

- Electrical operation.
- Weather seal to bottom rail.
- Galvanised sheet steel hoods, fascias and soffits.
- Perforated/punched lath incorporated within curtain, or full perforated - Clearline.

OPERATION

Push Pull For openings up to 3000 mm x 2500 mm. The most common and economical type of operation. Supplied with reach pole for taller height openings. Standard locking with shootbolts.

Electric operation 240 volt single phase tubular motor with limit adjustment. Various types of operating switches available. 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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All Mercian roller shutter doors are carefully counter balanced for ease of operation, but consideration should be given to frequency of use 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 advice 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.

HEIGHT	"NORMAL" COIL		HEIGHT	"REVERSE" COIL	
	A	B		A	B
UP TO 3500	345	375	UP TO 2700	345	375
UP TO 2700	320	350	UP TO 2100	320	350
UP TO 1700	290	320	UP TO 1250	290	320
UP TO 1500	265	275			

NOTE! ON SMALLER PLATES IF H/CRANK OVERRIDE IS CALLED FOR IT WILL BE ROTATED TO 45°

FOR ELECTRIC MOTOR OPERATED DOORS:

ELECTRICAL SPECIFICATION:
 CLIENT TO PROVIDE FUSED SPUR WITH 240 VOLT SINGLE PHASE SUPPLY FUSED 10 AMPS.
 ISOLATOR TO BE POSITIONED WITHIN 1 METRE OF THE OPENING ON THE MOTOR SIDE APPROX. 1.5 METRES ABOVE PFL.
 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 S75
TYPE S50

TITLE: TECHNICAL DATA INFORMATION & TYPICAL DETAILS - UN-INSULATED ROLLER SHUTTERS
 DRAWING No.: RSSDET2 | REV: 0
 SCALE: NTS | PRODUCT: S75/S50
 FILE REF: D:\CADFILES\CONTRACTS\STANDARD\ROLLER

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