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 (6.25 m²) 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, fasias 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.
All Mercian roller shutter doors are carefully counter balanced for ease of operation, but consideration should be give to frequency of use when deciding on the provision of electrical operation.

**SITEWORK**

**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.

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**Drawing:**
- **S50/75 C50/75 Roller Shutter Door**

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**Notes:**
- All dimensions are expressed in mm. Tolerances as noted.
- **NOTE:** On smaller plates, floor ramps override is called front will be rotated at 45°.
- **NOTE:** Not suitable for hand raken override due to size of plate.