GENERAL

Introduction The Mercian A400 Mastergrille will provide physical security to openings that previously have been either too large or have required the use of intermediate removable mullions. They offer an extremely cost effective security screen whilst still displaying goods to potential customers with much lower risk of vandalism and pilferage. Small sizes can easily be opened and closed by one person. Particularly suitable for tailored security packages.

Maximum opening size; 10000 mm wide x 6000 mm high.

Special features of this range are:
○ Individual parts can easily be replaced if damaged.
○ Wide choice of finishes/colours including mill or anodised aluminium, powdercoated
○ Rapid installation by factory trained engineers.
○ Tried and tested design manufactured to a quality control system to ensure long, trouble free life
○ Flexible range of options to suit customers specific requirements.

COMPOSITION

Curtain Constructed from extruded aluminium tubes and links which form a grille pattern of 420 mm x 113 mm. Smooth operation is assisted by nylon guide rollers.

Bottom Rail Rigid and robust section in aluminium, give additional strength to the bottom of the curtain.

Side Guide Profiled aluminium or steel section which offers minimum resistance to the movement of the curtain. Flares at the top of the guides provide an accurate lead for the grille curtain.

Torsion Springs As required by our design specification. Mild steel heavy duty endplates and rolled steel fixing angles are used to transfer the barrel weight back to the structure. Not required where tubular motor operation is specified.

Locking The curtain in not usually locked with electrical operation, various types are available for manually operated grilles.

Accessories
The following are available as factory fitted extras or as supplementary items at a later date;
○ Electrical operation.
○ Hoods, fascias and soffits.

OPERATION

Push Pull A400P 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.

Handchain A400C Preferred for openings over 3000 mm x 2500 mm. Operation is by endless handchain through mild steel spur gears to give ease of operation together with rapid response from fully closed to fully open.

Electric operation A400T 240 volt single phase tubular motor with limit adjustment. Various types of operating switches available. Rapid conversion to emergency manual operation. A400E 440 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.

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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Note! All Mercian Mastergrilles are carefully counterbalanced 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 3/4 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.