



THE AUSTRALIAN TRELLIS DOOR CO.

SECURITY ROLLER GRILLE

Aluminium Security Grilles are popular where security, ventilation and through visibility are priorities. They are suitable for most commercial applications including shopping centre shopfronts, shopping arcades, retail stores, food service areas, counter and bar tops, clubs, entrances and doorways, and reception areas.

The Aluminium Security Roller Grille can span any opening size up to 5.5m wide in one section if motorised, or up to 3.4m wide (limited to 10m²) if manually operated. Unlimited spans can be achieved by use of fixed or removable mullions. For advice on achievable shutter sizes or technical data please contact a sales representative.

To find out more, visit The Australian Trellis Door™ website or call their toll free number below.

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TECHNICAL SPECIFICATIONS:

THE CURTAIN is constructed of alternating interlocking extruded aluminium links (86mm high by 20mm to 50mm wide) and extruded aluminium joiner slats (30mm high by full width), forming a continuous hinge. Link width and spacing can be varied to accommodate any opening within the specified size limits, and generally achieve 65% open area through the shutter curtain. The ends of the aluminium joiner slats are fitted with nylon clips, which are securely attached with rivets. These clips lock the curtain into the guide channels, prevent sideways movement of the slats and enable smooth operation of the shutter curtain. The curtain may be installed with the roll in standard or in reverse roll positions. Slats are extruded from grade 6063-T5 aluminium alloy.

SIDE GUIDES are 53mm deep x 32mm wide extruded aluminium. Side guides have a false back for hiding fixings, and come standard with a brush buffer for smooth operation.

LOCKING is achieved via a two way mortice key lock mounted in the centre of the bottom rail or mid-rail, which slides a shootbolt into both guide channels. The Bottom Rail is an 85mm x 17mm extruded aluminium section with secure cover. Manual shutters are fitted with an aluminium Bottom Foot (64mm deep). The locking rail can also be used as a Mid Rail at any height for extra strength or easier access for locking. Motorised doors are not fitted with locks or Bottom Foot.

MULLIONS consist of a one-piece extrusion for straight openings or for any angle up to 90°. Mullions can be removable with shoot bolts at the base. Angled mullions are used when two doors meet at an angle (adequate headroom required). Please discuss with your ATDC Representative for more information.

ROLLER DRUMS - There are two types of roller drum available:

1. Manual Operation: – Manufactured from Ø229mm seam lock steel tube, or
2. Electric Operation: – Manufactured from Ø229mm spiral welded steel tube

The 229mm roller drum rotates on roller bearings around a Ø34.8mm steel axle. Helical coil springs are fixed between the axle and roller drum to counterbalance the curtain weight throughout its full operation.

ROLLER BRACKETS are mounted to wall or soffit. Brackets are made from 90mm x 40mm zinc plated steel slotted angle.

FINISH All aluminium components are clear anodised (as standard), or can be powder coated to Dulux Powder Coat Colour Range.

OPERATION Manual operation with counterbalance helical springs, pull pole provided to assist lifting and closing with flush pull handles, or Motorised operation with a 240V electric Centris side-mounted motor. Activation of motorised shutters is by standard key switch, with options for push button controller, remote control, emergency egress button, and/or Battery Backup (UPS). Centris motors are fitted with safety brake, and de-clutching cable to allow manual operation during power outages (emergency use only).

ROLL DIAMETERS

Daylight Height (mm)	1200	1500	1800	2100	2400	2700	3000	3300	3600
Roll Diameter (mm)	290	300	300	325	330	330	335	340	365

