

100MM STEEL ROLLER SHUTTER DOORS

(LOW & HIGH CYCLE)

Retail and commercial

Suitable for both
internal and
external use



APPLICATIONS

Integrity Doors steel roller shutters are suitable for use in loading docks, car parks, factories and warehouses, schools, pavilions, mining, tertiary institutions, correctional centres, defence force facilities, police stations and courthouses.

Available in different material thicknesses depending on size and application of 0.8mm and 1.0 mm. The curtain slat comprises G2 Z275 galvabond steel.

TECHNICAL SPECIFICATIONS

Size Maximum shutter sizes are 10000mm wide x 8000mm high.

Curtain The curtain is constructed using 100 x 0.8mm or 100 x 1.0mm interlocking slats, in galvanised steel. Slat thickness is dependent on the opening width (refer to manufacturer). Every second slat is fitted with nylon end clips to minimize lateral movement and to ensure smooth operation. For high cycle version 100 x 1.0mm interlocking slats are used.

Note: High Cycle refers to shutters exceeding 20 cycles per day or for car parks securing more than 6 vehicles. Slat can be replaced individually should they be damaged.

CURTAIN OPTIONS

Multi-hole perforations provide continuous perforation of the slats with 2.41mm diameter holes at 7.66mm staggered centres providing an effective 33% ventilation per slat (which is slightly reduced by the powder coat finish).

Slotting can also be provided with a slot size of 110mm x 40mm either in vertical rows or brick pattern and will provide 22% ventilation per slat. (which is slightly reduced by any powder coat finish).

BOTTOM RAIL

The bottom rail is made either from extruded aluminium up to 6.3m opening width (which can incorporate a weather seal if required) or alternatively from a roll formed galvanized steel angle which can also be provided with a weather seal adaptor and rubber seal. A steel 75 x 50 RHS box section bottom rail is also available for wider openings which can also be provided with a weather seal adaptor and rubber seal.

COMMERCIAL ROLLER DOORS — SHUTTER SALES & REPAIRS

OPERATION

- Chain operation (up to 25.0m²).
- Electric operation is by a 0.75kW (1 H.P.) single / 3 phase motor / gearbox, with reversing contactor and an up, down, stop standard controller.
- Alternately, for high cycle shutters exceeding 40 operations per day, electric operation by a direct drive motorisation incorporating a springless drum and brake motor. Includes a standard up, down & stop controller.

Motors include a hand chain override mechanism for emergency use in the event of power failure. Wiring And commissioning can be provided from power supply (supplied by others). Access control, and power supply by others. A wide range of key switch options, battery backups, remote controls and obstruction detection devices are also available.

LOCKING

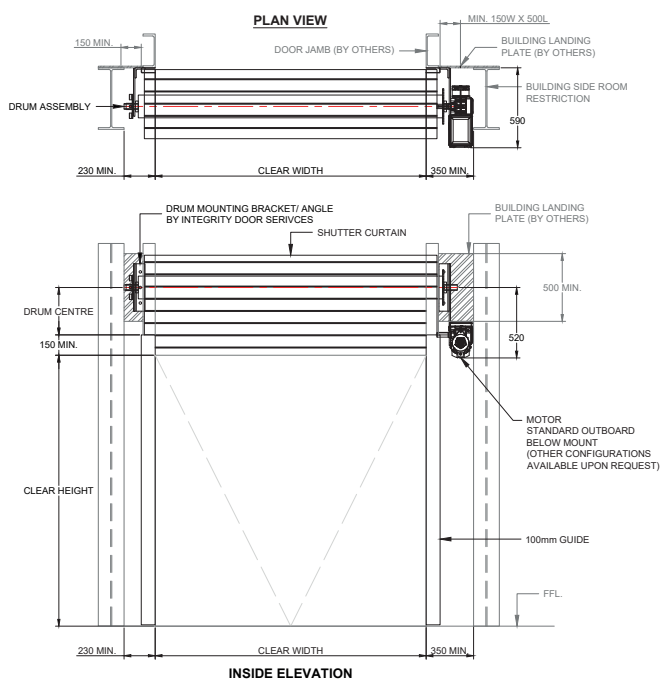
Sliding pad bolts (inside or outside) – padlock by others. Suitable for manual shutters only.

Chain operated shutters are locked by a wall mounted chain lock keeper with a padlock, or they can be specified with shoot bolts to the bottom rail.

Manual locking is not recommended on motorised shutters and would not be covered under warranty due to the potential for motor burnout (unless a safety switch is fitted).

DRUM

The drum is manufactured from mild steel or galvanized steel tube and fitted with end caps. Engineered Helical coil oil tempered springs are fitted to an axle inside the drum tube. They are designed to counterbalance the curtain weight when tensioned.



WARRANTY A 12 month warranty against defective materials and workmanship applies.

NOTE Integrity Doors has a continuous program of development sizes or configuration of product may change at any time. For the latest in design and specification please consult with integrity doors by calling us.

GUIDES

Whilst standard side guides comprise 100mm x 37mm roll formed steel channel, other options include 75mm x 37mm and a 100 x 48mm wind locked guide is also available for additional wind loading and or security.

WINDLOAD SPECIFICATIONS

These specifications vary on each project based on site location, wind region/ terrain category, regional wind speed, internal Pressure Coefficient and Ultimate Limit State Pressure.

Note: Wind rated roller shutters cannot be ventilated.

BRACKETS

Integrity Door Services provides two laser cut mild steel drum mounting brackets for each shutter. Brackets are supplied in zinc prime coated or can be hot dipped galvanized for certain applications upon request. The door opening must be suitably prepared/ designed by others to accommodate the above-mentioned mounting brackets.

SPECIAL NOTES

- Power supply: 1 phase 240v or 3 phase 415V - 10A within 1 metre of motor.
- Work by others: power supply, structural support, adequate headroom and side room.
- Product warranty: 12 months.

Integrity Door Services reserves the right to change specifications at any time without notice.

