

NBS Specification

Gilgen Rolegard Commercial Shutters & Grilles

The Rolegard series of steel and aluminium shutters and grilles has been specifically designed for internal and external use for commercial applications. The Rolegard range allows for manual or electric operation, vision, ventilation or insulation panels and a full range of finishes, offering flexibility of design and functionality to suit individual needs. Rolegard shutters and grilles are suitable for a multitude of applications such as high street frontages, leisure facilities, offices, counter-top protection, stadiums, shopping centres, warehouses and car parks.

Standard details for Rolegard Commercial Shutters & Grilles:

- **Manufacturer:** Gilgen Door Systems Ltd
- **Product Reference:** Rolegard Aluminium Punched & Glazed Shutter
Rolegard Polycarbonate Shutter
Rolegard Steel Perforated Lath Shutter
Rolegard Solid Aluminium Shutter
Rolegard Solid Steel Shutter
- **Arrangement:** Face fixed
- **Shutter Curtain:** Aluminium
Galvanised steel
- **Finish:** Self-finished – galvanised steel
Self-finish – silver anodised aluminium
Polyester powder coated
- **Colour:** Insert requirements BS/RAL ref
- **Side Guides:** Heavy duty
High Security
- **Seals:** Side guide seals – aluminium only
Bottom seals – all specs
- **Operation:** Manual hand operation
Manual hand crank operation – aluminium models only
Electrical operation – single phase
Electrical operation – three phase
- **Control:** Not required
Push button/key switch
Card reader/remote control
Group command
- **Safety (power operation):** Standard
Contact safety edge (min)
None contact safety beam
- **Other Requirements:** Key operated centre lock
Padlockable bottom shoot bolt
Ground Lock
Lockable handcrank hub
Anti lift device (aluminium only)

Guidance

As standard

Rolegard CS Internal Drive

- The internal drive system uses either spring, rod crank or a tubular motor mounted within the shutter barrel.
- Sideroom and headroom requirements are kept to a minimum resulting in a very compact and neat installation.
- The system can be employed effectively across the range of shutters.

Rolegard CS External Drive

- Applied to the larger shutter sizes and those applications where space is more generous or the shutter requires a heavier grade drive system. Alternatively the technically advanced KOAX™ drive system can be used.

Model type

A wide range of models is available

Rolegard Aluminium Punched and Glazed

- A higher level of security whilst retaining good vision and light levels.
- Often a mix of solid and punched lath is used to provide extra integrity.
- Rolegard Polycarbonate:
 - Maximum vision is available with this innovative shutter.
- Rolegard Steel Perforated Lath:
 - High levels of security are provided by this steel shutter.
- Rolegard Solid Shutters:
 - The range of solid shutters meets the need for out-of-hours security with a choice of profiles.
 - Installation is at worst discreet and in the case of new build, invisible until lowered.
 - Sympathetic finishes ensure the shutters blend well with other architectural elements.
 - Single and twin walled aluminium lath is employed to provide increasing levels of security.

Finishes for all Shutters:

- The standard finish is silver anodized aluminium or standard polyester powder coat colours and galvanised steel (perforated shutter).
- Additional none standard polyester powder coat colours are also available for aluminium and steel shutters which may be incorporated to various exposed as required by the application.
- A number of special finishes are available for aluminium including marble and a range of woodgrain effects.

Operation

Manual Hand Operation:

- Push up to open, pull down to close. Ideal for small openings and infrequent use.
- Standard Electrical Operation: (max size 6000mm wide x 4800 mm height x approx 20 m2 – check with Gilgen technical if near limits) Note special large sizes can be designed if required – please contact Gilgen technical department
- Open and close using buttons (standard) or optional activation.
- In the event of power failure, the operator allows for easy manual operation with the emergency hand chain drive or hand crank.

- Three phase external (415 volts) and single phase tubular (240 volts) operators with a range of control options are available.

Automation and Control:

The range of control options is versatile enough to meet most applications.

- Push button / key switch.
- Card reader / remote control.
- Group command.

Safety – power operation:

The range of safety systems are available

- Manufacturers standard - Push button / key switch – impulse / deadman operation
- Remote control doors - Minimum requirements , Impact sensitive safety edge or additional secondary none contact safety beam.