

# NBS Specification

## Gilgen Rolegard Commercial Aluminium Roller Shutters

The Rolegard Aluminium Series is specifically designed for maximum vision / low security commercial applications. The basic principles of design have a common thread across the range, yet with the variety of options an almost unlimited choice is available. Security, with visibility, special architectural finishes, unique materials and automation can be combined to meet the varied demands of shopping malls, high street frontage, leisure facilities, offices and commercial premises of all kinds.

### Standard details for Rolegard Commercial Aluminium Roller Shutters:

- **Manufacturer:** Gilgen Door Systems Ltd
- **Product Reference:** Rolegard Commercial Aluminium Roller Shutters
- **Arrangement:** Face fixed  
Between jamb fixed
- **Shutter Curtain:** Aluminium  
**Finish:** Silver anodised aluminium  
Polyester powder coated
- **Colour:** Insert requirements; BS/RAL ref
- **Side Guides:** Heavy Duty  
High Security
- **Seals:** Side guide seals (aluminium guides)  
Bottom seals
- **Operation:** Manual hand operation  
Manual hand crank operation  
Electrical Operation – Single phase
- **Control:** Not required (manual operation)  
Push button/key switch  
Card reader/remote control  
Group command
- **Safety:** 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, 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.

#### Model type

- Rolegard Aluminium Roller Shutter
- The crisp sag-free lines of this range provide an improvement on traditional tubular shutter systems.
- Lightweight aluminium profiles provide excellent vision and light whilst offering a level of security and visual deterrent.
- Full range of finishes available.

#### Finishes:

- Standard finish is milled aluminium.
- Optional polyester powder coating may be incorporated to various exposed parts as required by the application.

#### Operation:

##### Manual Hand Operation:

- Push up to open, pull down to close. Ideal for small openings and infrequent use.
- Manual Hand Crank Operation:
- Open and close using a hand crank arrangement for medium use applications.
- Electrical Operation:
- 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.
- Single phase tubular motor (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.