

WE STRIKE  
**A BALANCE BETWEEN  
SECURITY AND THE  
MOST STRINGENT  
REQUIREMENTS**



# ROLEGARD

# SECURITY SHUTTERS



Rolegard security shutters provide effective protection against medium, high and very high security threats.

The Rolegard security range is designed and manufactured at our production site in Alfreton, Derbyshire (UK).

It is designed to resist even the most determined of intruders.

## Contents

Use and applications	Page 3
Range overview	Page 4
Model features	Page 7
Protection against combined attack defence	Page 8
Protection against ballistic penetration/explosion	Page 9
Rolegard locking	Page 10
Options	Page 11



# ROBUST CONSTRUCTION STANDS FOR RELIABLE PROTECTION

Rolegard Security Shutters can be operated as a stand-alone measure or integrated into a wider security system.

- They provide reliable protection for critical infrastructure and premises exposed to a high risk of break-in.
- They are of extremely robust construction.
- Shutters can be made to measure in sizes of up to 64 m<sup>2</sup>.

## Typical Applications

Rolegard shutters have been successfully tested and certified, in accordance with the applicable standards, for resistance to forced lifting, penetration, levering and impact.

RC3 and RC4 applications (compliant with EN 1627 - EN 1630) are protected by versions with maximum resistance to break-in, ballistic penetration and explosion (SR2 - SR5 as per LPS1175).



Rolegard security shutters are suitable for protecting facilities with a medium to very high security risk. Typical applications include:

- Museums / Galleries
- Banking
- Commercial / High Value Retail
- National Infrastructure
- Police / Custodial Service
- Military
- Bonded Warehousing / Protection of valuables
- Manufacturing
- Panic Rooms and Protected Spaces

# ROLEGARD RANGE OVERVIEW

We are able to supply our customers with advice based on our many years of experience in the development and installation of security roller shutters for various areas of application. We are also the right supplier to approach when it comes to customised solutions. Do not hesitate to contact us.



## Key Advantages

- Security classifications RC3 and RC4 in accordance with EN 1627 - 1630
- Security-classifications up to SR5 in accordance with LPS1175
- Range of electric drive systems
- Wide range of sizes / finishes including stainless steel
- Additional insulation and acoustic performance
- Choice of manual, electric or automatic locking - no ground locks required
- Ballistics rated (SR5)
- Blast rated (SR4/5)
- Single or heavy duty double skin models
- No floor tracks necessary



Research building application

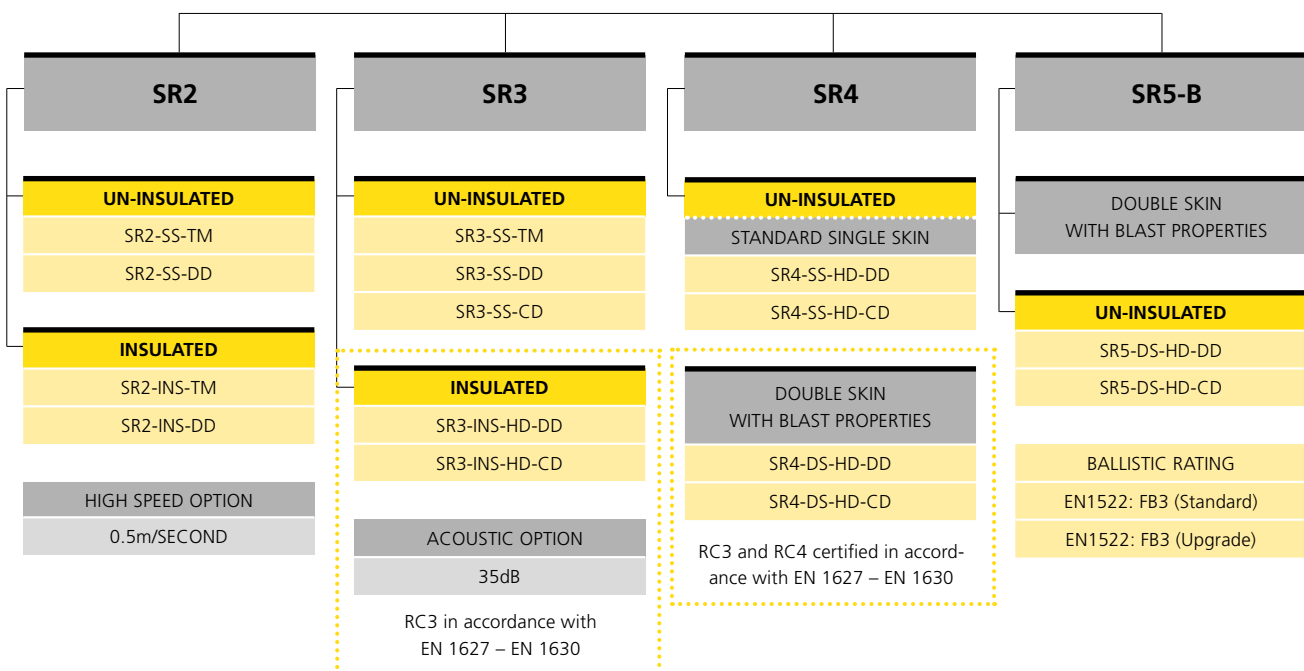


Retail application behind glazing with layered security

## Range and Models

Security Rating		Curtain Profile Type		Drive configuration	
SR5	Very High	SS	Single Skin	TM	Tubular Motor
SR4	High	INS	Insulated	DD	Direct Drive
SR3	Medium	DS	Double Skin	CD	Chain Drive
SR2	Standard	HD	Heavy Duty		

Models within the Rolegard range are described by their Security Rating, Curtain Profile and Drive Configuration. For example SR4-INS-HD-DD is an SR4, Insulated, Heavy Duty Shutter with Direct Drive. The product range diagram below shows the standard models in our range.









## Model Features

The following configurations have also been tested and certified in accordance with European standards EN1627 – EN1630.



### RC3

Break-in protection, class RC3:

Roller shutter configuration with insulated door curtain

• Rolegard SR3-INS-HD

### RC4

Break-in protection, class RC4:

Roller shutter configuration with insulated door curtain

• Rolegard SR3-INS-HD

Roller shutter configuration with double-walled, reinforced, heavy-duty door curtain

• Rolegard SR4-DS-HD

# PROTECTION AGAINST COMBINED ATTACK

Depending on the application and nature of threat posed, models in the Role-gard range offer protection against different forms of attack.

Please reference the model names shown against the various attack methods.



#### Ballistics Rated\*

SR5 Shutters have been subjected to independent ballistics tests to the latest BS EN 1522:1999 European standard.  
SR5-B-DS-HD



#### Planned Physical Attack\*

Severely tested against jacking, prising, gouging, impact, cutting and drilling using high end power tools.  
SR2/3/4/5-B  
RC3 and RC4 certified



#### Blast Protection

Blast rated up to 3kpa to protect high risk facilities from this form of attack. Conditions apply.  
SR4/5-B-DS-HD



#### Hostile Vehicle Mitigation

Helps reduce the risk of hostile vehicle attack when combined with layered security.  
SR4-5-B-DS-HD



#### Hurricane Protected

Protects exposed facilities from severe weather conditions including hurricane wind levels.  
SR4-SS-HD  
SR4-DS-HD  
SR5-B-DS-HD

\* LPCB Performance Certification





## Enhanced protection against ballistic penetration and explosion

Rolegard SR5-B models have been subjected to the latest European ballistic standards for roller shutters and tested by an independent UKAS accredited laboratory. This standard is also comparable with other similar world wide standards. The standard SR5-B specification achieved an FB3 rating with an optional upgrade to FB4.

Testing carried out to the latest EN 1522:1999 European standard, with successful ratings are shown in the test summary table below. Comparable information on a selection of world standards are summarised in the Ballistic Data Comparison table.

Windows Doors Shutters Blinds	Glazing	Material Other main comparative standards (subject to minor test differences)	
EN 1522:1999	EN 1063:2000	NIJ 0108-01	UL752

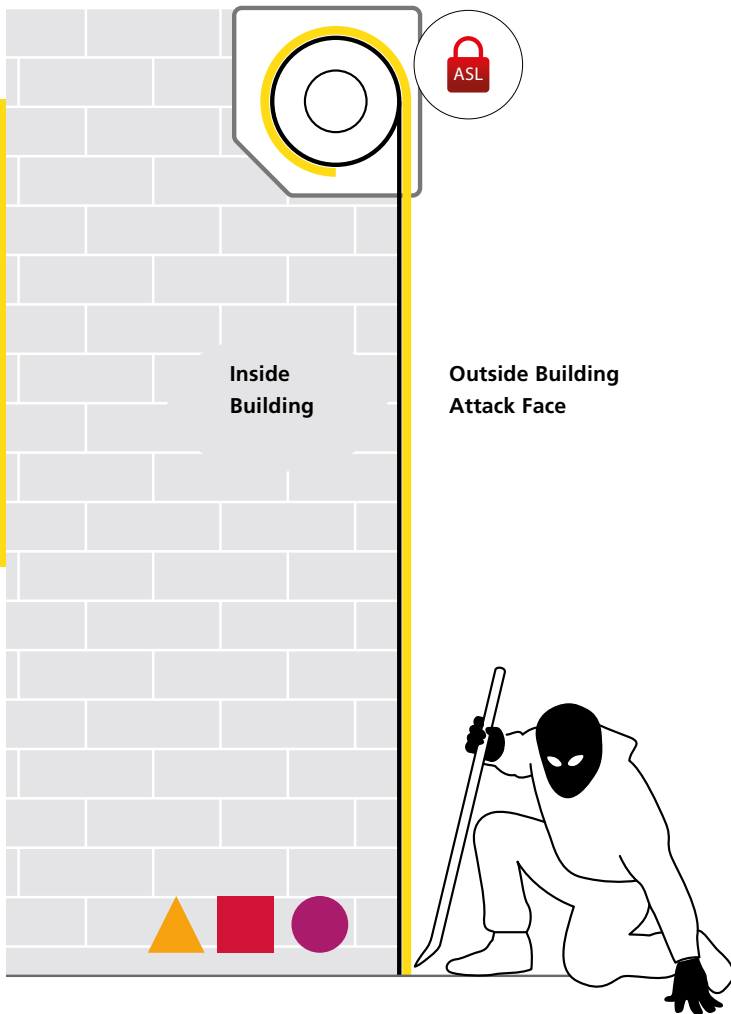


Latest European Standards		Current USA Standards		Type of Weapon	Bullet Caliber
Class Rating					
FB1	BR1	N/A	N/A	Rifle	0.22LR
FB2	BR2	I	1	Handgun	9mm Luger
FB3	BR3	II	2	Handgun	0.357 Magnum
FB4	BR4	IIIA	3	Handgun	0.357 Magnum 0.44 Magnum

### Blast Resistance

The inherent strength of the main door profiles used in the construction of the SR4 & SR5-B-DS-HD models have been tested to provide resistance to blast pressure. Results are dependent on the door size. Please contact Gilgen Door Systems for specific advice.

# ROLEGARD LOCKING



Rolegard shutters can be supplied with individual or combined locking mechanisms, depending on their security classification.



#### Manual Key Operated Cylinder Locks

Pair of guide mounted, key operated pin locks, which are positioned on the inside of the shutter at low level.



#### Manual Padlockable Shoot Bolts

Pair of padlockable sprung shoot bolts positioned on the inside of the shutter at low level.



#### Automatic Self Locking System (ASL)\*

Anti-jacking locking provision systematically locks down facilities without the need for any secondary locks, this functionality helps improve protocol and prevents the lifting or jacking of the shutter in the closed position and is supplied as standard on certain door models.



#### Electronic Bolts

Automatic electronic anti-jacking bolts with monitored battery backup system.

\* Electric bolts are not necessary where automatic self locking (ASL) is specified, except where a specific security requirement exists for automatic physical lock/detection.

## Options

Rolegard security shutters can be equipped with various operational features and accessories, while meeting the requirements of EN 13241-1 and EN1 2453.

### Control and operation

We offer various control systems, designed to meet different needs and their corresponding operating requirements.

- Control unit built into switch cabinet (plastic, mild steel, stainless steel, explosion-protected, etc,...)
- Comprehensive range of operating elements
- Opening, closing and emergency-stop functions
- Safety protection by means of e.g. photoelectric barriers, safety strips

### Insulation

Double skin shutter sections for SR2 and SR3 models, filled with heat / sound-absorbing composite foam materials. (Ud 4.4 W/m<sup>2</sup>K, sound-insulated up to 35 dB).

### Frame covers and motor casings

Optional frame cover and motor casing made of steel for enhanced appearance and parts protection for doors measuring less than 2500 m in size.

### Fast operation

Our SR2 model can also be configured for fast operation for use in high-traffic areas:

- Maximum opening speed 0.5 m/s
- Maximum closing speed 0.3 m/s



### Configuration

All our standard models are available in RAL colours of your choice. Roller shutters for special applications, such as corrosion resistance or explosion protection, are available in special colour tones. Our SR4-SS and SR4-DS-HD models are also available in stainless steel.

### Custom Made Solutions

Tailored configurations. There are virtually no limits on what you can ask of us.

We are here to set your ideas in motion:

- Extra-wide industrial doors
- Inclined roller shutters
- Extreme weather resistance

#### Activation Options

A range of activation controls, sensors and switches can be specified including:

- Radar
- Vehicle sensing induction loop
- Photo cell activation
- Card reader
- Key switch
- Remote control
- Group command
- Master control system
- Door status monitoring
- Door control BMS interface

Gilgen Door Systems is globally focussed business. Quality and performance have been the key to our success since 1961. Our core competence extends to automatic doors, industrial doors, gates and sliding wall systems. Solutions designed to optimise traffic management and pedestrian-flow are developed by Gilgen Door Systems, planned in meticulous detail, installed by experts and maintained by a highly efficient customer service operation.