heroal Security Roller Shutter Systems
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Superior materials, technical perfection down to the smallest detail and a wide variety of design options characterize heroal’s efficient system technology. These are persuasive advantages. heroal, with its innovative solutions using aluminium and aluminium composite materials for building coverings, is a reliable partner for architects, builders and fabricators.

Planners appreciate the wide range of design options, builders can implement their individual requirements with a reliable system and our partners profit from the economic and efficient heroal system solutions.

The high-quality heroal security systems, heroal safe light and heroal safe combine increased burglar resistance through security roller shutters with tested components. By combining with thermally insulated heroal windows, the heroal security roller shutters fulfil all criteria for sustainable and energy-efficient construction.
heroal RS 37 RC 2
Security Roller Shutter Slat with Extreme Flexibility and Stability

heroal RS 37 RC 3
Stainless Steel Slat with Extreme Resistance

heroal RS 53 RC 2
Highly Stable and Safe

heroal RS 53 RC 3
Extremely Solid and Resilient

heroal safe
New Standard for Burglar Resistance

End Slats and Guide Rails

System Dimensions and Features

heroal Service
heroal RS 37 RC 2
Security Roller Shutter Slat with Extreme Flexibility and Stability

The high-density foam gives the slim slat heroal RS 37 RC 2 with a weight of 1.6 lb/ft² its extreme flexibility and stability. With a coverage width of 1.5 in and a nominal thickness of 0.4 in, the slat is tested and approved up to resistance class RC 2 according to EN 1627. The heroal RS 37 RC 2 is also certified to withstand hail class 7.

System Dimensions and Features
» coverage width: 1.5 in
» max. width/height: 13.8 ft/13.1 ft
» max. area: 113.0 ft²
» finished curtain weight: 1.6 lb/ft²
» wind resistance for windloads of up to 57 mp/h for element widths up to 8.5 ft
» burglar resistance: RC 2
» optimised noise insulation: +10 dB
» extremely sturdy – due to highest wall thickness and high-density foam
» hail class 7
» improves energy efficiency by up to 41 percent

Configuration Options and Design
» highly weather-resistant surface with heroal 2-layer thick coating
The roller shutter slat heroal RS 37 RC 3, which is roll-formed from a stainless steel alloy, is extremely stable and resilient. Filled with a durable high-density foam, heroal stainless steel roller shutter slats achieve the resistance class RC 3 – tested and approved according to EN 1627. The heroal RS 37 RC 3 achieves the maximum hail class 7.

**System Dimensions and Features**
» coverage width: 1.5 in
» max. width/height: 16.4 ft/13.1 ft
» max. area: 129.0 ft²
» finished curtain weight: 2.9 lb/ft²
» wind load values up to 70 mp/h for element widths up to 9.8 ft
» enhanced burglar resistance: RC 3
» optimised noise insulation: +10 dB
» exceptional stability due to stainless steel with substantial high wall thickness and high-density foam
» hail class 7
» improves energy efficiency by up to 56 percent

**Configuration Options and Design**
» high-quality stainless steel finish
heroal RS 53 RC 2
Highly Stable and Safe

The extremely flexible standard safe slats with a nominal thickness of 0.6 in and a high-density foam are designed for the construction of security roller shutters according to EN 1627 up to resistance class RC 2. The heroal RS 53 RC 2 achieves excellent wind load values up to 70 mp/h for element widths up to 10.5 ft. This slat is also certified to withstand hail class 7.

System Dimensions and Features
» coverage width: 2.0 in
» max. width/height: 18.0 ft/13.1 ft
» max. area: 177.6 ft²
» finished curtain weight: 2.2 lb/ft²
» wind load values up to 70 mp/h for element widths up to 10.5 ft
» burglar resistance: RC 2
» optimised noise insulation: +10 dB
» extremely sturdy due to exceptional wall thickness and high-density foam
» hail class 7
» improves energy efficiency by up to 42 percent

Configuration Options and Design
» highly weather-resistant surface with heroal 2-layer thick coating
heroal RS 53 RC 3
Extremely Solid and Resilient

The heroal RS 53 RC 3, which is roll-formed from a special stainless steel alloy and is filled with a highly resilient, high-density foam, meets the highest security standards: Enhanced burglar resistance up to RC 3 according to EN 1627 as well as wind load values up to 70 mp/h for element widths up to 13.1 ft. The heroal RS 53 RC 3 achieves the maximum hail class 7.

System Dimensions and Features
» coverage width: 2.0 in
» max. width/height: 19.7 ft/13.1 ft
» max. area: 193.8 ft²
» finished curtain weight: 3.7 lb/ft²
» wind load values up to 70 mp/h for element widths up to 13.1 ft
» enhanced burglar resistance: RC 3
» optimised noise insulation: +10 dB
» maximum stability due to stainless steel with highest wall thickness and high-density foam
» hail class 7
» improves energy efficiency by up to 56 percent

Configuration Options and Design
» high-quality stainless steel finish
The heroal FME 45° extruded panel system offers a durable and secure box solution. It meets the requirements for enhanced protection against burglaries and is completely dimensionally stable, even when using large element widths. All components of the security roller shutters are made of aluminium and with higher wall thicknesses. Extruded angled end slats and box systems also increase the security standard.

System Dimensions and Features
» maximum box stability due to walls made of high-quality aluminium alloys plus special heroal joining technology
» "Click Stop" anti-push-up device can be integrated
» hail class 7

Configuration Options and Design
» extruded panel systems in the designs 45° and 90°
» box sizes: 3.9 in to 8.1 in
» wide range of installation options
» wide spectrum of colors
» integrable insect screens
» extremely weather-resistant surface due to high-quality heroal hwr powder coating
In combination with the roller shutter slat heroal RS 37 in the RC 2 or RC 3 versions, the extruded panel system FMS 45° with wall thicknesses of more than 0.1 in, box ends made of resistant steel and particularly stable, extruded guide rails provides highly effective protection against burglary attempts. An additional anti-push-up device made of extruded profiles makes manual upward pushing of the curtain even more difficult – the concealed anti-push-up device blocks the winding inside the box. To ensure it cannot be easily opened, the panel is also protected against manipulations – a bolt locks the box system so that it can only be accessed with a special tool after assembly. The system meets the extremely high requirements for security roller shutters of the resistance classes RC 2 and RC 3 according to EN 1627.

System Dimensions and Features
» designed with resistance class RC 2 or RC 3
» security locking bolt
» steel box ends
» multiple member anti-push-up device
» hail class 7

Configuration Options and Design
» burglar resistant, extruded panel system made of high-quality aluminium alloys
» box size: 8.1 in
» box design: 45°
» high-quality heroal hwr powder coating
» wide spectrum of colors
End Slats and Guide Rails

Angled End Slats Made of Extruded Aluminium

The aluminium angled end slat increases the security standard of the system.

Sturdy Guide Rail

heroal offers a wide spectrum of different guide rails. This results in many configuration options.

End Slat with Integrated Latch

An additional anti-push-up device is represented by the pivoted bar, which is integrated into the end slat. When the roller shutter curtain is lowered, the locking bar falls into a notch in the guide rail and provides additional locking.

Reinforced Guide Rail

With additional bars and a special security lock, in addition to increased wall thickness and additional chambers for the insertion of reinforcing bars, heroal offers special guide rails for high security standards.
## System Dimensions and Features: Comparison Table

### heroal Security Roller Shutter Slats

<table>
<thead>
<tr>
<th>Description</th>
<th>heroal RS 37 RC 2</th>
<th>heroal RS 37 RC 3</th>
<th>heroal RS 53 RC 2</th>
<th>heroal RS 53 RC 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coverage width (in)</td>
<td>1.5</td>
<td>1.5</td>
<td>2.0</td>
<td>2.0</td>
</tr>
<tr>
<td>Nominal thickness (in)</td>
<td>0.4</td>
<td>0.4</td>
<td>0.6</td>
<td>0.6</td>
</tr>
<tr>
<td>Weight (lb/ft²)</td>
<td>1.6</td>
<td>2.9</td>
<td>2.2</td>
<td>3.7</td>
</tr>
<tr>
<td>Max. width (ft)</td>
<td>13.8</td>
<td>16.4</td>
<td>18.0</td>
<td>19.7</td>
</tr>
<tr>
<td>Max. height (ft)</td>
<td>13.1</td>
<td>13.1</td>
<td>13.1</td>
<td>13.1</td>
</tr>
<tr>
<td>Max. area (ft²)</td>
<td>113.0</td>
<td>129.0</td>
<td>177.6</td>
<td>193.8</td>
</tr>
</tbody>
</table>

### Wind load resistance* (mp/h)

- heroal RS 37 RC 2: 57
- heroal RS 37 RC 3: 70
- heroal RS 53 RC 2: 70
- heroal RS 53 RC 3: 70

### Barrel diameter** (in)

- heroal RS 37 RC 2: 6.6
- heroal RS 37 RC 3: 6.6
- heroal RS 53 RC 2: 8.2
- heroal RS 53 RC 3: 8.2

### Burglar resistance (RC)

- heroal RS 37 RC 2: RC 2
- heroal RS 37 RC 3: RC 3
- heroal RS 53 RC 2: RC 2
- heroal RS 53 RC 3: RC 3

### Stainless steel material

- heroal RS 37 RC 2: –
- heroal RS 37 RC 3: •
- heroal RS 53 RC 2: –
- heroal RS 53 RC 3: •

### Medium-density foam

- heroal RS 37 RC 2: –
- heroal RS 37 RC 3: –
- heroal RS 53 RC 2: –
- heroal RS 53 RC 3: –

### High-density foam

- heroal RS 37 RC 2: •
- heroal RS 37 RC 3: •
- heroal RS 53 RC 2: •
- heroal RS 53 RC 3: •

### Hail class

- heroal RS 37 RC 2: 7
- heroal RS 37 RC 3: 7
- heroal RS 53 RC 2: 7
- heroal RS 53 RC 3: 7

### heroalPpanel Systems

<table>
<thead>
<tr>
<th>Description</th>
<th>heroal FME 45°</th>
<th>heroal FME 90°</th>
<th>heroal FMS 45°</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of panel parts</td>
<td>3</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>Box sizes</td>
<td>7</td>
<td>6</td>
<td>1</td>
</tr>
<tr>
<td>Sizes from – to (in)</td>
<td>3.9 – 8.1</td>
<td>4.9 – 8.1</td>
<td>8.1</td>
</tr>
</tbody>
</table>

### Integrable insect screen

- heroal FME 45°: •
- heroal FME 90°: •
- heroal FMS 45°: –

### Integrable anti push up device

- heroal FME 45°: •
- heroal FME 90°: •
- heroal FMS 45°: •

### Burglar resistance (RC)***

- heroal FME 45°: SL
- heroal FME 90°: SL
- heroal FMS 45°: RC 2 / RC 3

### Extruded material

- heroal FME 45°: •
- heroal FME 90°: •
- heroal FMS 45°: •

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* For element width of 8.9 ft and a guide rail with 1.0 in insertion depth
** For curtain height of 6.6 ft and a 2.4 in axle
*** SL: the roller shutter slat meets the technical guideline TR 111 of the Federal Association for Roller Shutters and Sun Protection BVRS
RC 2 / RC 3: the roller shutter slat meets EN 1627
Surface finishing is an integral part of heroal system components. Here, heroal offers perfectly aligned systems from the fields of roller shutters, sun protection, roller doors, windows, doors and curtain walls. The heroal hwr powder coating is based on the quality of our own coating plants. The award as an official GSB premium coater and the Qualicoat seal of approval are proof of quality leadership. In addition to powder coating, heroal offers its customers anodised surfaces and foil decors. A heroal 2-layer thick coating is used especially in the roller shutter and roller door area. heroal delivers its entire product portfolio directly ex factory, thus guaranteeing the shortest delivery times for its partners.

In addition to its comprehensive system portfolio with perfectly matched products, heroal also offers the unique and most efficient service in the industry – based on a consistent focus on the requirements, wishes and needs of the customers. The heroal service is based on trained employees and the company’s energy-efficient production “made in Germany” with a unique production depth and process reliability that guarantees fabricators, architects and builders an optimum product quality for sustainable, economical and value-added construction. This is also ensured by the heroal logistics center with around 40,000 m² of space and its own truck fleet. The heroal service portfolio is complemented by the test center, which can also be used by customers – including the test bench for air, water and wind certified by ift Rosenheim – for roller shutters, sun protection, roller doors, windows, doors and curtain walls as well as its own high-performance profile bending and folding service, which heroal offers its customers, as the only systems supplier, from in-house production.
Icon Overview

**Weather resistance:**
heroal products already meet tomorrow’s demands today. The systems guarantee superior protection against storm and extreme weather influences.

**Sustainability:**
heroal roller shutter systems are real energy savers. They enable a comfortable room climate in hot summer months, while energy losses can be drastically reduced in cold winters.

**Acoustics:**
Due to the double-wall, foam-filled roller shutter slats, heroal systems provide a high level of sound proofing and noise reduction.

**Winding technology:**
Through its innovative slat geometry the winding mechanism leads to a tightly packed diameter offering a flexible and aesthetically pleasing solution.

**Burglar resistance:**
Increased burglar protection with no trade-off on design - that is what heroal roller shutter systems stand for. Different types of systems offers for several levels of security and burglar protection.

**Surface:**
heroal’s long lasting surface coating exceeds international quality standards.

**Hurricane protection:**
Provide the ultimate level of security and storm protection, whether for residential or commercial purposes.

**Privacy:**
Feeling at home means feeling safe. heroal roller shutter systems protect your home, and everything inside, from foreign eyes – and also against light and heat.
heroal – The Aluminum Systems Supplier

As one of the leading aluminum system suppliers, heroal develops and produces perfectly coordinated systems for windows, doors, façades, roller shutters, roller doors and sun protection, complemented by louver and sliding shutters, insect protection and terrace roofs and carports. By minimizing energy consumption during production, maximizing energy conservation during usage as well as ensuring optimum profitability during system manufacturing and an increase in the value of the building, heroal system solutions make a significant contribution to sustainable construction.

Innovation, Service, Design, Sustainability

The heroal brand represents system solutions that unite practical innovations, industry-leading service and high-quality design that can be sustainably integrated into any architecture.

Roller Shutters | Sun Protection | Roller Doors | Service

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