

heroyal security roller shutter systems



## heroal security roller shutter systems

Superior materials, technical perfection down to the smallest detail and a wide variety of design options characterise heroal's efficient system technology. These are persuasive advantages. heroal, with its innovative solutions using aluminium and aluminium composite materials for building envelopes, 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.





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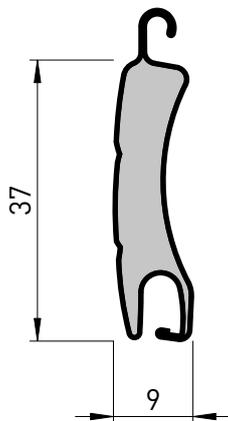
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## heroal RS 37 SL

Highly stable and burglar resistant



The exceptional material strength and medium-density foam make the heroal RS 37 SL an unrivalled high-stability roller shutter slat. It meets the requirements of wind resistance class 4 for element widths up to 3,000 mm as well as the BVRS (Federal Association for Roller Shutters and Sun Protection) guideline TR 111 in terms of burglar resistance.



### System dimensions and features

- » coverage width: 37 mm
- » max. width/height: 4,000 mm/4,000 mm
- » max. area: 9.0 m<sup>2</sup>
- » finished curtain weight: 5.9 kg/m<sup>2</sup>
- » wind resistance class 5 for element widths up to 2,600 mm
- » burglar resistance according to BVRS guideline TR 111
- » optimised noise insulation: +10 dB
- » particularly sturdy – thanks to high wall thickness and medium-density foam
- » hail class 5
- » potential improvement of heat transfer coefficient by up to 42 percent

### Configuration options and design

- » highly weather-resistant surface with heroal 2-layer thick coating
- » wide spectrum of colours

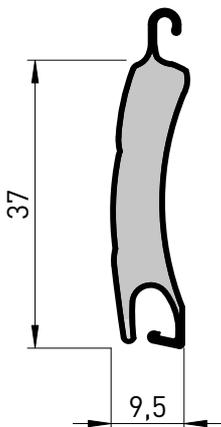


## heroal RS 37 RC 2

Security roller shutter slat with extreme bending strength and stability



The high-density foam gives the slim slat heroal RS 37 RC 2 with a weight of 8.0 kg/m<sup>2</sup> its extreme bending strength and stability. With a coverage width of 37 mm and a nominal thickness of 9.5 mm, 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: 37 mm
- » max. width/height: 4,200 mm/4,000 mm
- » max. area: 10.5 m<sup>2</sup>
- » finished curtain weight: 8.0 kg/m<sup>2</sup>
- » wind resistance class 5 for element widths up to 2,600 mm
- » burglar resistance: RC 2
- » optimised noise insulation: +10 dB
- » particularly sturdy – thanks to highest wall thickness and high-density foam
- » hail class 7
- » potential improvement of heat transfer coefficient by up to 41 percent

### Configuration options and design

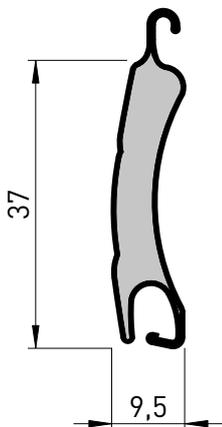
- » highly weather-resistant surface with heroal 2-layer thick coating

# heroal RS 37 RC 3

Stainless steel slat with extreme resistance



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: 37 mm
- » max. width/height: 5,000 mm/4,000 mm
- » max. area: 12.0 m<sup>2</sup>
- » finished curtain weight: 14.0 kg/m<sup>2</sup>
- » wind resistance class 6 for element widths up to 3,000 mm
- » enhanced burglar resistance: RC 3
- » optimised noise insulation: +10 dB
- » exceptional stability due to stainless steel with particularly high wall thickness and high-density foam
- » hail class 7
- » potential improvement of heat transfer coefficient by up to 56 percent

### Configuration options and design

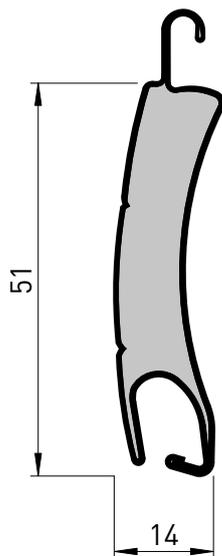
- » high-quality stainless steel finish

## heroal RS 53 RC 2

Highly stable and safe



The extremely flexible standard safe slats with a nominal thickness of 14 mm 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 wind resistance class 6 for element widths up to 3,200 mm. This slat is also certified to withstand hail class 7.



### System dimensions and features

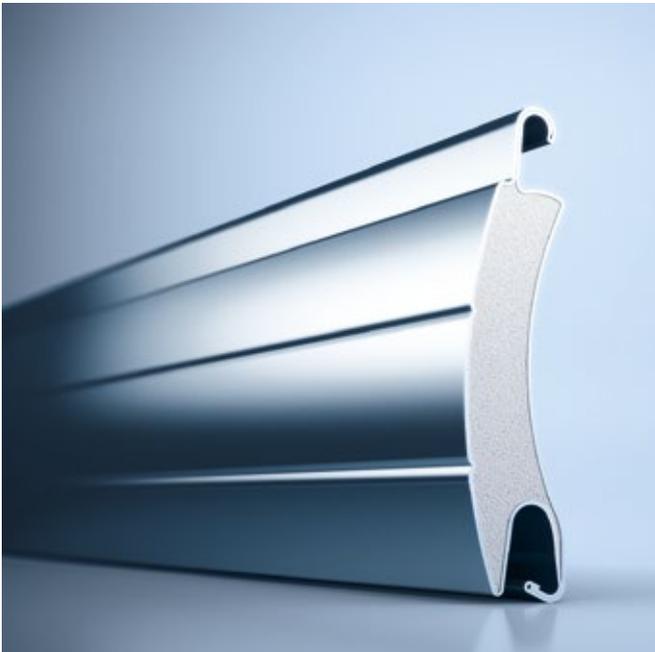
- » coverage width: 51 mm
- » max. width/height: 5,500 mm/4,000 mm
- » max. area: 16.5 m<sup>2</sup>
- » finished curtain weight: 10.5 kg/m<sup>2</sup>
- » wind resistance class 6 for element widths up to 3,200 mm
- » burglar resistance: RC 2
- » optimised noise insulation: +10 dB
- » extremely sturdy due to exceptional wall thickness and high-density foam
- » hail class 7
- » potential improvement of heat transfer coefficient by up to 42 percent

### Configuration options and design

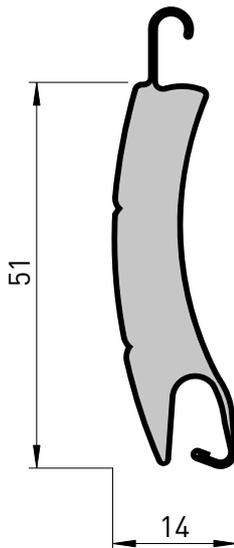
- » highly weather-resistant surface with heroal 2-layer thick coating

# 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 loads of resistance class 6 for element widths up to 4,000 mm. The heroal RS 53 RC 3 achieves the maximum hail class 7.



### System dimensions and features

- » coverage width: 51 mm
- » max. width/height: 6,000 mm/4,000 mm
- » max. area: 18.0 m<sup>2</sup>
- » finished curtain weight: 18.0 kg/m<sup>2</sup>
- » wind resistance class 6 for element widths up to 4,000 mm
- » 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
- » potential improvement of heat transfer coefficient by up to 56 percent

### Configuration options and design

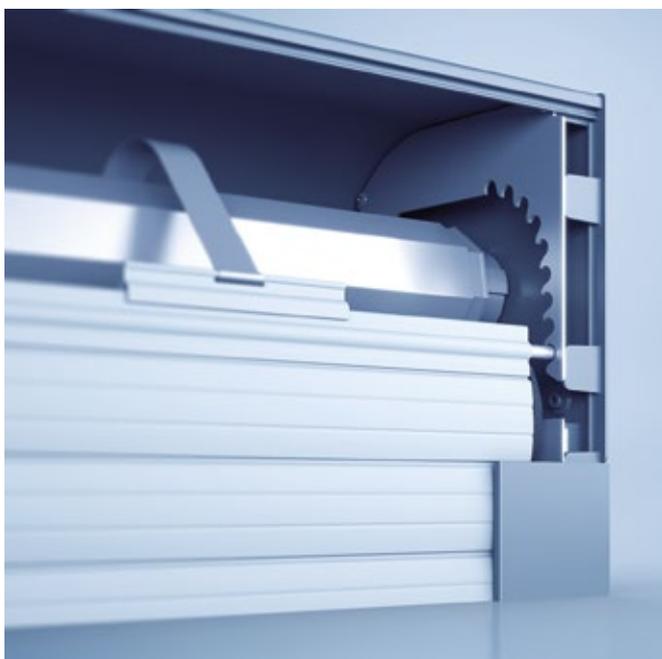
- » high-quality stainless steel finish

## heroal safe light

New standard for burglar resistance



heroal safe light makes it difficult to push or lift the curtain up by the "Click Stop" anti-push-up device and a particularly stable, extruded guide rail. 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. The innovative system closes the gap between conventional roller shutter systems and certified RC 2 and RC 3 security roller shutters. It was the first solution to meet the technical guideline TR 111.



### System dimensions and features

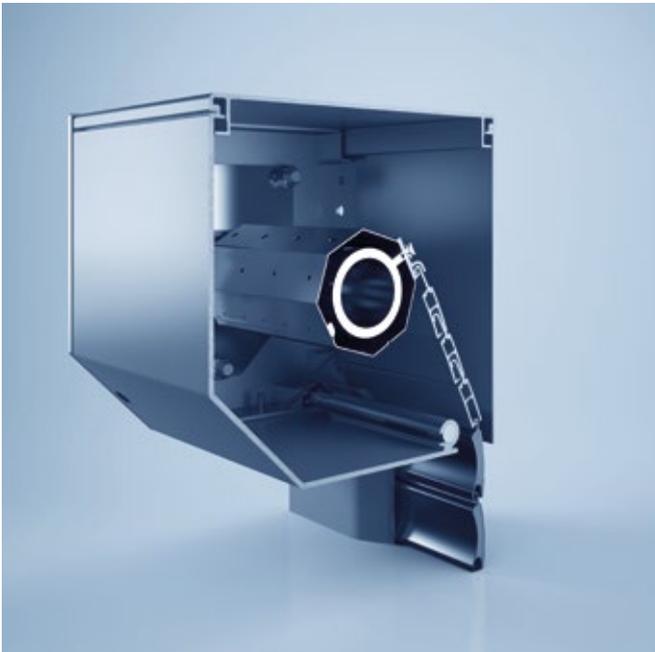
- » certified burglar resistance with the RSQ seal according to BVRS guideline TR 111
- » maximum box stability due to walls made of high-quality aluminium alloys plus special heroal joining technology
- » "Click Stop" anti-push-up device can be integrated
- » hail class 7

### Configuration options and design

- » extruded panel systems in the designs 20°, 45°, 90° and HC
- » box sizes: 100 to 205 mm
- » wide range of installation options
- » wide spectrum of colours
- » integrable insect screens
- » extremely weather-resistant surface due to high-quality heroal hwr powder coating

# heroal safe

Systems with highest burglar resistance



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 3 mm, 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 extreme high requirements for security roller shutters of the resistance classes RC 2 and RC 3 according to EN 1627. In combination of heroal safe RC 3 roller shutters with window systems heroal W 72 or heroal W 77 burglar resistance as high as resistance class RC 4 can be achieved. This was confirmed by independent tests at ift Rosenheim.



### System dimensions and features

- » designed with resistance class RC 2 or RC 3
- » resistance class RC 4 can be achieved in combination with window systems heroal W 72 or heroal W 77
- » maximum box stability due to wall thicknesses > 3 mm
- » 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: 205 mm
- » box design: 45°
- » high-quality heroal hwr powder coating
- » wide spectrum of colours

## End slats and guide rails

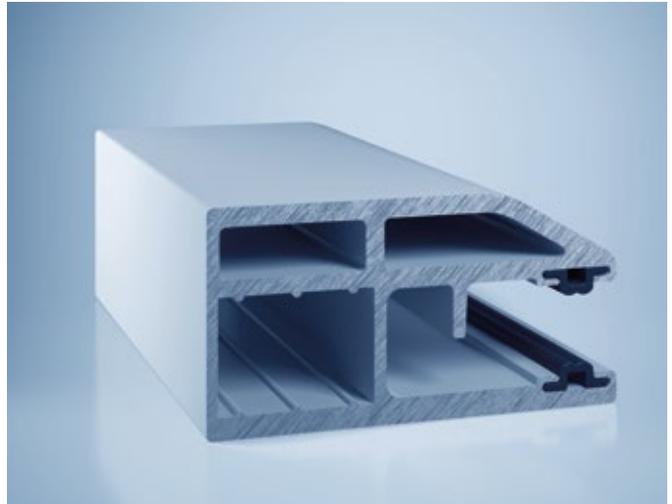
heroal safe light

### 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.

heroal safe

### 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 as well as 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

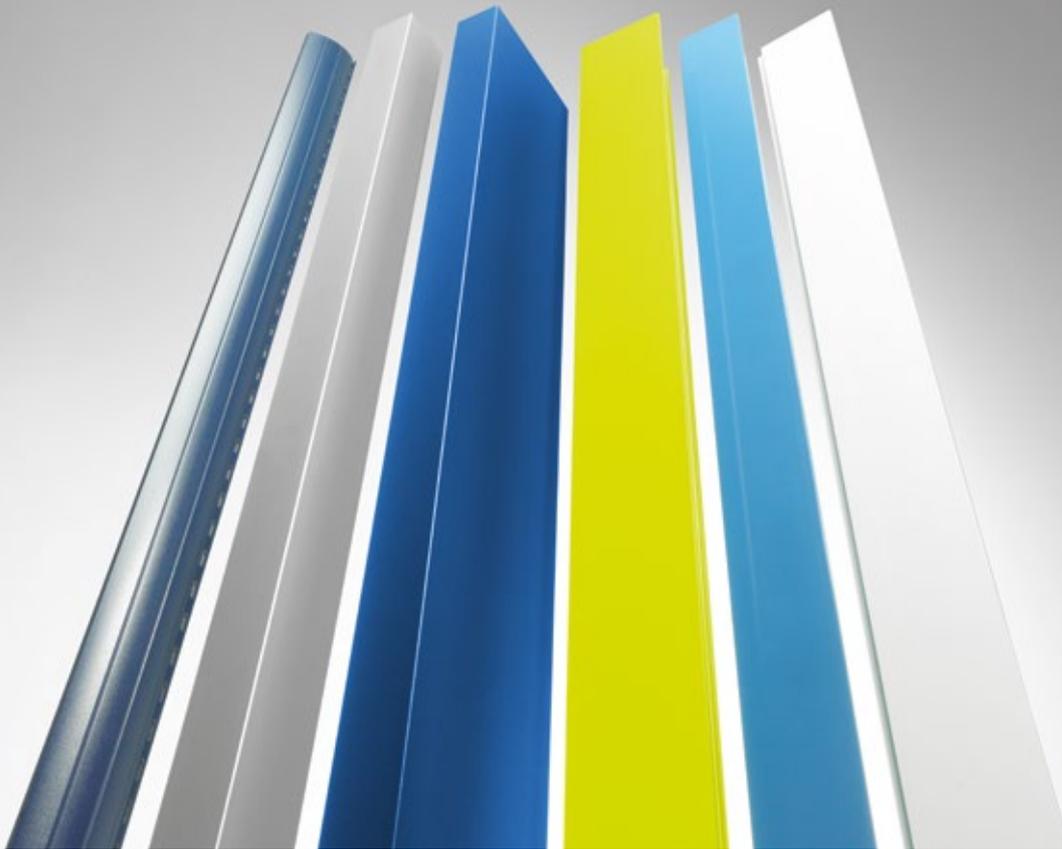
heroal security roller shutter slats						
System dimensions	Description	heroal RS 37 SL	heroal RS 37 RC 2	heroal RS 37 RC 3	heroal RS 53 RC 2	heroal RS 53 RC 3
	Coverage width (mm)	37	37	37	51	51
	Nominal thickness (mm)	9.0	9.5	9.5	14.0	14.0
	Weight (kg/m <sup>2</sup> )	5.9	8.0	14.0	10.5	18.0
	Max. width (mm)	4,000	4,200	5,000	5,500	6,000
	Max. height (mm)	4,000	4,000	4,000	4,000	4,000
	Max. area (m <sup>2</sup> )	9.0	10.5	12.0	16.5	18.0
System features	Wind load resistance*	4	4	6	6	6
	Barrel diameter**	172	168	168	209	209
	Burglar resistance (RC)	SL	RC 2	RC 3	RC 2	RC 3
	Stainless steel material	-	-	•	-	•
	Medium-density foam	•	-	-	-	-
	High-density foam	-	•	•	•	•
	Hail class	5	7	7	7	7

heroal panel systems						
System dimensions	Description	heroal FME 20°	heroal FME 45°	heroal FME 90°	heroal FME HC	heroal FMS 45°
	Number of panel parts	3	3	4	3	3
	Box sizes	6	7	6	5	1
	Sizes from – to	125 – 205	100 – 205	125 – 205	137 – 205	205
System features	Integrable insect screen	•	•	•	•	-
	Integrable anti push up device	•	•	•	•	•
	Burglar resistance (RC)***	SL	SL	SL	SL	RC 2/RC 3
	Extruded material	•	•	•	•	•

\* For element width of 2,700 mm and a guide rail with 25 mm insertion depth

\*\* For curtain height of 2,000 mm and a 60 mm 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



## heroal surfaces

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.



## Our service consistently focuses on your requirements

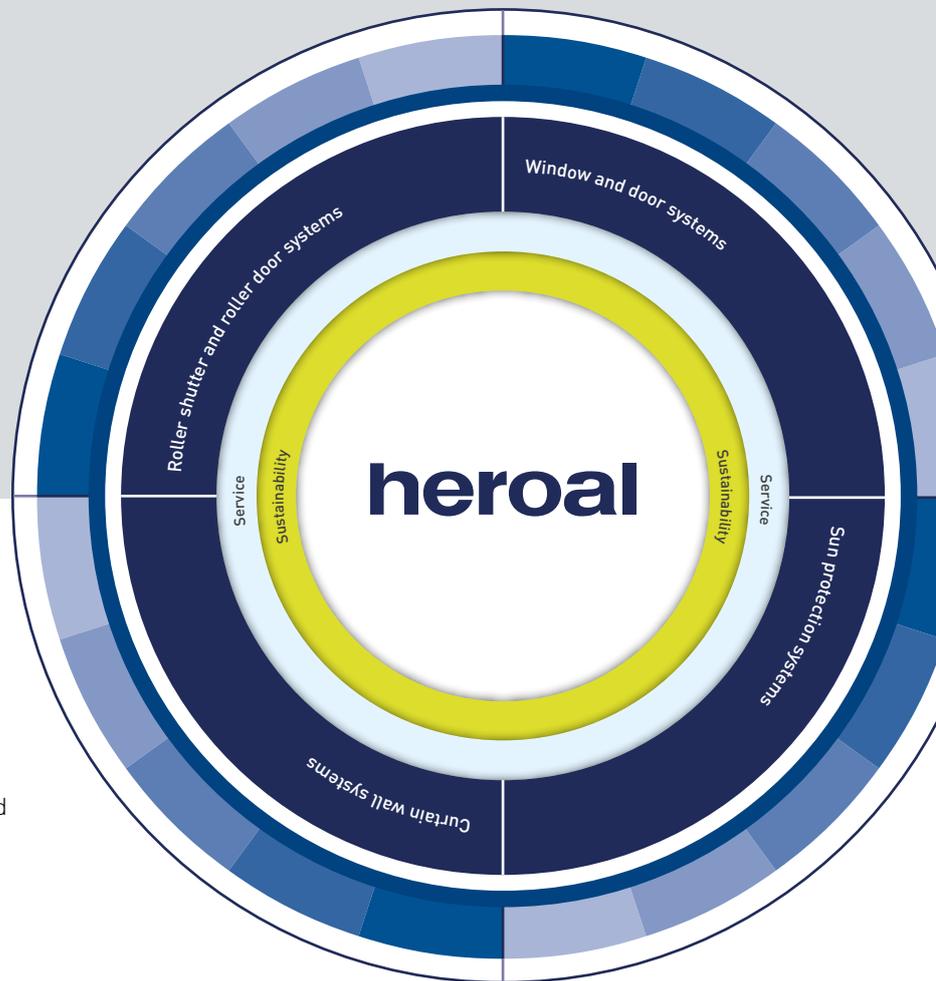
In addition to its comprehensive system portfolio with perfectly matched products, heroal also offers the unique and most efficient service in the industry – based on a consistent focus on the requirements, wishes and needs of the customers. The heroal service is based on trained employees, the company's 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 centre with around 40,000 m<sup>2</sup> of space and its own truck fleet. The heroal service portfolio is complemented by the test centre, 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.

# heroal – the aluminium systems supplier

As one of the leading aluminium system suppliers, heroal develops and produces perfectly coordinated systems for windows, doors, façades, roller shutters, roller doors and sun protection, complemented by louvre and sliding shutters, insect protection and terrace roofs and carports. By minimising energy consumption during production, maximising 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 | Windows | Doors | Curtain walls | Service

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