



heroal roller door systems



## heroal roller doors, overhead doors and roller grilles with system

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. With its innovative solutions made of aluminium and aluminium composite materials for the building envelope, heroal has been the reliable partner for architects, builders and contractors for decades. 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, heroal roller doors and overhead doors as well as roller grilles already meet the requirements of door systems in future: They set the future standards when it comes to low space requirements, high opening and closing speeds, improved energy efficiency, long service life, strong protection against hail and storm, increased burglary protection, additional soundproofing and excellent smooth operation as well as optimum operating convenience and user friendliness. Thanks to their sophisticated technology, heroal roller door systems stand for quality and long life as well as safety and comfort. Their wide range of design options allow multifunctional use and harmonious integration into existing and modern architectures. Thanks to their clear line management, heroal roller door systems support a consistent building design, visually matching the heroal roller shutter systems. Be it in the residential area, industry or trade - heroal roller door systems set limits, secure rooms, while being economical and cost-efficient. As an innovative, custom-made, pre-assembled doors or as system goods - typical to heroal - for industrial processing - heroal roller door systems are always delivered in line with the requirement and schedule. All heroal roller door systems are TÜV-tested and are CE-certified, pre-assembled doors.

Discover the variety of heroal roller door systems!



## heroal pre-assembled doors

Perfectly planned and delivered in pre-assembled state **Page 4**

## heroal roller doors

heroal RD 55 **Page 6**

Narrow profile for small barrel diameter

heroal RD 75 **Page 8**

Multifaceted system for high wind load and large elements

## heroal overhead doors

heroal OD 75 **Page 12**

Space-saving system with low lintel requirement

## heroal roller grilles

heroal RG 90 **Page 16**

Safe system for commercial and other buildings to be protected

## Safety and comfort

**Page 18**

## Colours and decors

**Page 20**

## System dimensions and system features

**Page 22**

## heroal service

**Page 23**

## heroal pre-assembled doors

### **Optimally planned and delivered in pre-assembled state!**

Pre-assembled roller doors by heroal - meet the highest standards and adapt themselves flexibly to individual installation situations in industrial, commercial and residential buildings. Our decades-long know-how in our own development and production of aluminium profile systems characterise the diverse range of novel pre-assembled doors by heroal. This new generation of pre-assembled doors is completely pre-assembled and delivered with a panel system, curtain, drive and all accessories - upon request, completely assembled as a construction site package within 14 days!

For heroal partners, maximum efficiency in the processing of the door systems is decisive: the optimisation of identical components ensures simple and fast assembly.

### **heroal quality made in Germany**

All heroal roller doors and overhead doors as well as roller grilles are certified with the "type-tested" rating and guarantee the highest quality and safety. heroal is also uncompromising when it comes to packaging: the pre-assembled modules and components of the heroal pre-assembled doors are packaged in only one or two packaging units. This saves space and ensures safe transport and storage.



### **Many demands – one range**

All heroal roller door systems are available as on-site pre-assembled doors. It is possible to choose here between roller doors with boxless and boxed installation. The heroal RD 55 is suitable for small to medium-sized doors with small installation space - thanks to particularly small barrel diameters. The roller door heroal RD 75 offers the best options for very large elements and a wide range of equipments as well as the highest environmental and weather resistance. The portfolio also includes heroal OD 75 - the overhead door with side or centre drive for installation situations with low lintel. The heroal overhead doors are also suitable for large-sized garage doors. The roller grilles heroal RG 90 with boxless or boxed installation for specially protected buildings as well as underground garages round off the assortment of the heroal roller doors.

### **Aesthetic appearance – secured installations**

The boxed installation of the heroal roller door and the heroal roller grilles in the panel system looks elegant in terms of design and protects the door from environmental and ambient influences. Thanks to its multifunctional design options, this type of mounting is ideally suited for private and commercial use. The box can also be subsequently mounted in a quick and economic way.

### **Space-saving solution for large-sized heroal roller door systems**

If particularly wide and high heroal roller doors and heroal roller grilles are to be implemented, the boxless installation without panel system is the perfect solution to make the most of the available space, for example in the industrial area or in underground garages. Thanks to the small number of components, boxless installation is particularly cost-effective. In the boxless installation type, all roller doors and roller grilles are also available with geared motors - with faster opening and closing cycles, designed for high-frequency applications as well as large element dimensions and high curtain weights.



3

## heroal RD 55

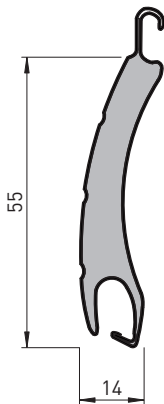
Narrow profile for small barrel diameter



The roll-formed slat of the roller door system heroal RD 55 is a slim and especially tightly winding roller door slat for element widths up to 3,500 mm. The system can be mounted either open or closed in the panel system. At a maximum clear height of 3,000 mm, the barrel diameter on an 8K shaft with a diameter of 70 mm is about 230 mm, thus being suitable for box sizes as low as 230 mm.

### System dimensions and system features

- » Coverage width: 55 mm
- » Nominal thickness: 14 mm
- » max. clear width / height: 3,500 mm / 3,000 mm
- » max. area: 10.5 m<sup>2</sup>
- » Barrel diameter 217 mm at a curtain height of 2,500 mm
- » Wind resistance class 2 for clear widths up to 2,500 mm
- » Hail class 5





**Design options**

- » boxless installation, inside installation
- » boxed installation, inner or outside installation
- » wide spectrum of colours
- » highly weather-resistant surface coating with heroal 2-layer thick coating for slats and panels
- » extremely weather-resistant surface due to high-quality heroal hwr powder coating for panels, box ends, guide rails and end slat

**System advantages**

- » high wind load resistance
- » minimum panel system sizes: 230 mm and 254 mm
- » maximum clear dimensions of 3,500 mm x 3,000 mm possible
- » comfortable and pre-assembled delivery
- » optional equipments such as emergency crank handle and hollow end slat available

**Soundproofing and acoustics**

- » optimised noise insulation
- » smooth, uniform operation
- » low noise level in the closed state



## heroal RD 75

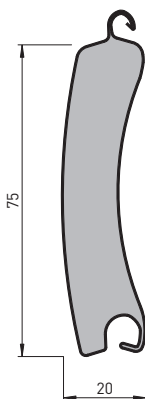
Multifaceted system for high wind load and large elements



The slat coverage width of 75 mm allows maximum use in the roller door area. The system offers customised solutions for every installation situation through a wide range of slat and equipment versions. The roll-formed slat heroal RD 75 in puristic design is also available with the clear line management Trendline (heroal RD 75 TL) and sets standards in terms of wind load resistance - thanks to special locks in combination with safety bars in the guide rails. The extruded slat heroal RD 75 E increases the stability of the curtain and allows implementation of larger surfaces. The curtain can be supplemented by ventilation, grille or visual profiles for stronger ventilation or higher incidence of light - in addition, colour accents can be set in terms of design. The roller door slat heroal RD 75 also provides the basis for the overhead door systems heroal OD 75 (page 12).

### System dimensions and system features

- » Coverage width: 75 mm
- » Nominal thickness: 20 mm
- » max. clear width / height: 6,000 mm / 5,000 mm
- » max. area of 16 m<sup>2</sup> for heroal RD 75 and heroal RD 75 TL
- » max. area of 21 m<sup>2</sup> for heroal RD 75 E
- » Barrel diameter of 272 mm for heroal RD 75 and heroal RD 75 TL as well as at a curtain height of 2,500 mm
- » Barrel diameter of 290 mm for heroal RD 75 E as well as at a curtain height of 2,500 mm
- » Wind resistance class 4 for heroal RD 75 and heroal RD 75 TL as well as at clear widths of up to 4,750 mm
- » Wind resistance class 2 for heroal RD 75 E as well as at clear widths of up to 4,750 mm
- » Hail class 6







Increased burglary protection without any design constraints characterise the heroal roller doors. The added safety is ensured by special product features, such as the high material strength and bending strength, as well as special stability of the guide rails, which are equipped with additional bars, in particular, in connection with the wind clip locking device of the roll-formed curtain. In order to make rolling up of the slats even more difficult, the roller door can be equipped with anti-push-up device. The inside installation heroal roller doors with anti-push-up device are tested by TÜV Nord according to the guidelines of the industry association Gates, Doors, Sashes, and bear the quality seal "Tested burglary protection".

**Design options**

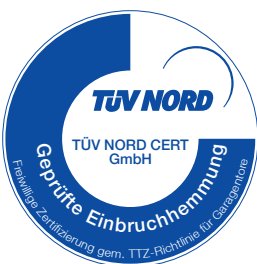
- » boxless installation, inside installation
- » boxed installation, inner or outside installation
- » Choice between three slat types
- » Supplemented by visual, grille and ventilation profiles
- » wide spectrum of colours
- » wide range of safety equipments and accessories
- » highly weather-resistant surface coating with heroal 2-layer thick coating for roll-formed slats and panels
- » extremely weather-resistant surface due to high-quality heroal hwr powder coating for panels, box ends, guide rails, end slat and extruded slats

**System advantages**

- » Panel system sizes: 300 mm and 365 mm
- » TÜV-tested anti-burglary protection possible
- » maximum clear dimensions of 6,000 mm x 5,000 mm possible
- » comfortable and pre-assembled delivery
- » standard delivery with guide rails including wind clip locking device
- » mandatory equipment with anti fall device
- » optional equipment such as anti-push-up device, emergency crank handle and hollow end slat available

**Soundproofing and acoustics**

- » optimised noise insulation
- » smooth, uniform operation
- » low noise level in the closed state



## Other slat types of the heroal RD 75 roller door systems and additional profiles at a glance



heroal RD 75 TL – roll-formed roller door slat with Trend Lines



heroal RD 75 E – extruded roller door slat



Ventilation profile as clockwise roller



Ventilation profile as anticlockwise roller



Visual profile with Macrolon, also available as open grille profile



Grille profile with expanded metal as ventilation profile



## heroal OD 75

Space-saving system with low lintel requirement



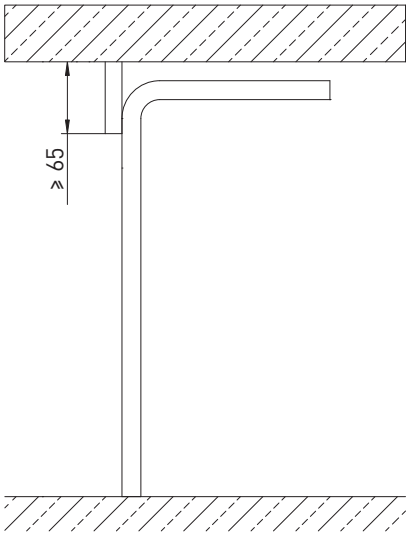
### **Overhead door heroal OD 75 with lateral drive**

The overhead door system heroal OD 75 has been specially developed for small installation space. Installation with lateral drive is particularly space-saving. The overhead door system heroal OD 75 with lateral drive is ideally suited for smaller garages with low lintel heights. Just 65 mm is sufficient to install the space-saving drive technology on the guide rail directly under the ceiling, which makes the installation particularly simple and economical.



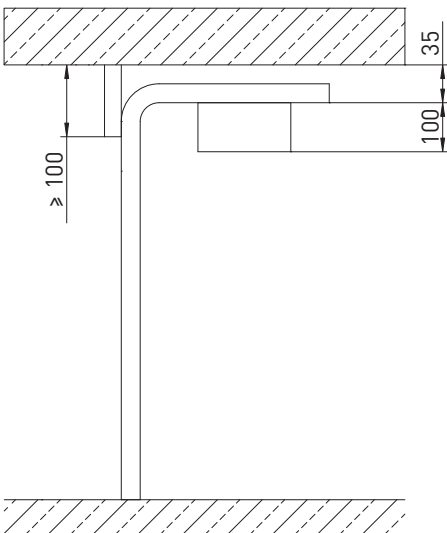
### **Overhead door heroal OD 75 with centre drive**

The overhead door system heroal OD 75 with centre drive makes overhead doors in large formats possible even at low lintel heights of only 135 mm. Thanks to the central transmission of force at the curtain, the overhead door system heroal OD 75 with element dimensions of up to 4,000 x 4,000 mm can be safely and reliably operated - even under heavy loads.



**System dimensions and system features with lateral drive**

- » Coverage width: 75 mm
- » Nominal thickness: 20 mm
- » max. clear width: 2,750 mm
- » max. total height: 2,500 mm
- » max. area: 7 m<sup>2</sup>
- » Wind resistance class 4 for clear widths up to 2,750 mm
- » Hail class 6



**System dimensions and properties with centre drive**

- » Coverage width: 75 mm
- » Nominal thickness: 20 mm
- » max. clear width: 4,000 mm
- » max. total height: 4,000 mm
- » max. area: 16 m<sup>2</sup>
- » Wind resistance class 4 for clear widths up to 3,250 mm
- » Hail class 6



#### **Design options**

- » space-saving installation when assembled with lateral drive
- » central transmission of force when assembled with centre drive
- » optional concealment of the lintel
- » Choice between two slat types
- » Supplemented by visual, grille and ventilation profiles
- » wide spectrum of colours
- » highly weather-resistant surface coating with heroal 2-layer thick coating for roll-formed slats and panels
- » extremely weather-resistant surface due to high-quality heroal hwr powder coating for panels, guide rails, end slat and extruded slats

#### **System advantages**

- » automatic recognition of any obstruction
- » Integrated garage lighting
- » Radio equipment with manual transmitter
- » manual drive decoupling
- » comfortable and pre-assembled delivery

#### **Soundproofing and acoustics**

- » soft start of opening: Soft start
- » soft stop of closing: Soft stop
- » optimised noise insulation
- » smooth, uniform operation
- » low noise level in the closed state



## heroal RG 90

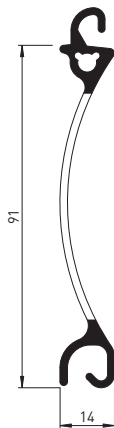
Safe system for commercial and other buildings to be protected



The roller grille system heroal RG 90 is perfect for commercial buildings with high safety requirements, e.g. banks and jewellery shops. Access to underground garages can also be checked with simultaneous inspection and air exchange. The curtain consists of completely extruded profiles and is extremely stable. Thanks to the boxed installation in the panel system, the roller grilles can be elegantly adapted to the existing architecture. heroal roller grilles are manufactured to exact dimensions and ensure economical assembly.

### System dimensions and system features

- » Coverage width: 90 mm
- » Nominal thickness: 14 mm
- » max. clear width / height: 4,500 mm / 4,000 mm
- » max. area: 18 m<sup>2</sup>
- » Barrel diameter of 259 mm at a curtain height of 2,500 mm
- » Air passage: 0.045 m<sup>2</sup> / running m or 0.491 m<sup>2</sup> / m<sup>2</sup>







**Design options**

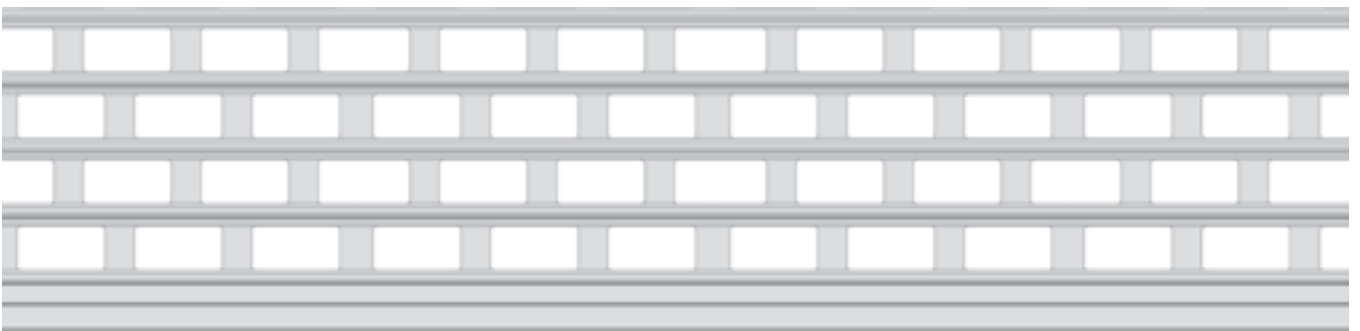
- » boxless installation, inside installation
- » boxed installation, inner or outside installation
- » Design arrangement: offset or uniform
- » wide spectrum of colours
- » highly weather-resistant surface coating with heroal 2-layer thick coating for panels
- » extremely weather-resistant surface due to high-quality heroal hwr powder coating for panels, box ends, guide rails, end slat and profiles

**System advantages**

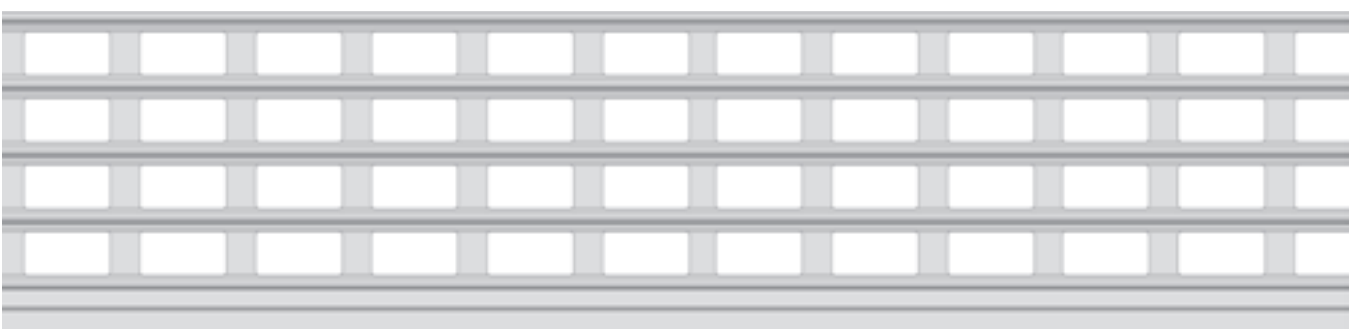
- » maximum clear dimensions of 4,000 mm x 4,500 mm possible
- » good air passage of 0.045 m<sup>2</sup> / m or 0.491 m<sup>2</sup> / m<sup>2</sup>
- » comfortable and pre-assembled delivery
- » mandatory equipment with anti fall device
- » optional equipment with an emergency crank handle

**Acoustics**

- » smooth, uniform operation



Offset design arrangement



Uniform design arrangement

## Safety and comfort



### **Anti-push-up device**

Burglar resistant and curtain gently - the three-part anti-push-up device system for the roller door system heroal RD 75 with additional fabric protect the curtain from abrasion and make manual opening of the curtain more difficult. Also available as direct axle mounting.



### **Guide rail heroal URF 100 with wind clip locking device**

Perfect combination - the heroal URF 100 guide rail and the locking of the heroal RD 75 slat ensure increased stability and therefore, additional burglary protection and maximum wind load resistance.



### **Curtain with hollow end slat**

The hollow end slat provides additional stability and optimum guidance of the curtain in the rails. Available for the roller door systems heroal RD 55 and heroal RD 75 - integrated above clear widths > 3,750 mm. Analogously, a reinforcing profile is standard for all widths of the roller grille system heroal RG 90.



**Sliding barrel system**

Boxless installation with sliding barrel system for the roller door system heroal RD 75: flexible positioning of the shaft for optimum winding behaviour, especially suitable for high elements. In the case of heroal pre-assembled doors, the sliding barrel system is automatically included above clear heights of up to 4,000 mm and is generally integrated during boxless installation with geared motors.



**Anti fall device**

The safety device with ball bearing principle securely catches and holds the shutter in all heroal roller door systems in case of emergency with uncontrolled unwinding.



**Emergency crank handle**

In the absence of a second exit, the emergency crank handle allows the user to manually open and close the door when normal movement of the door is not possible and there is no other exit from the room. Different options enable the installation to be adapted to the application, for example outside installation and lockable. Available for all heroal roller door systems.

# Colours and decors

heroal roller door systems do not set any limits when it comes to the colour scheme. In addition to the standard and special colours, RAL colours can also be implemented upon request. The heroal RD 75 roller door system with its extruded slat heroal RD 75 E also enables consistent appearance of the entire system in heroal hwr quality.

Colour category	Colours	Colour number	Name of colour	similar to RAL	Slats					Guide rails			Panels			
					heroal RS 55 SL	heroal RD 75 I heroal RD 75 TL	heroal RD 75 E	heroal RG 90	Visual / grille profile heroal RD 75	Ventilation profile heroal RD 75	heroal RD 55, heroal RG 90   heroal URF 85	heroal RD 75 I heroal URF 100	heroal OD 75 I heroal DS 75	heroal RD 55 I 230, 254	heroal RD 75, heroal RG 90   300, 65	heroal OD 75 I 65, 100
Normal colours		17	traffic white	9016	•	•										
		18	grey	-	•	•	•	•	•	•	•	•	•	•	•	•
		19	traffic white	9016			•	•	•	•	•	•	•	•	•	•
		20	natural	9006	•				•	•	•	•	•	•	•	•
		22	brown	-	•	•	•	•	•	•	•	•	•	•	•	•
		23	creme	1015	•	•										
		24	beige	-	•	•										
		32	light beige	-	•	•								•	•	
		53	charcoal grey	7016	•	•										
		71	creme white	9001	•	•								•	•	
Special colours		09	steel blue	5011		•										
		20	natural	9006		•										
		30	oak	-	•											
		31	teak	-	•	•										
		43	moss green	6005		•										
		44	black	9005		•										
		47	purple	3004		•										
		49	forest green	6009	•	•										
		60	Jamaica brown	-		•										
		63	light gray	7035		•										
RAL		67	scarlet red	3000		•										
		89	pale green	6021		•										
		39		-			•	•	•	•	•	•	•	•	•	

The slats of the roller door system heroal RD 75 and overhead door system heroal OD 75 can also be laminated besides the wide range of colours. The decorative film is basically on the outside as a clockwise roller, inside of your choice. The film cannot be applied on boxes, guide rails and end slat, as well as visual, grille and ventilation profiles.

Colours	Colour number	Renolit number	Name of colour	75-mm slats
	0954	3152 009	douglas fir	•
	0966	3156 003	oak	•
	0968	2178 001	golden oak	•
	0969	3069 041	mountain pine	•
	0970	1192 001	Oregon	•
	0926	1379 05	eggshell	•
	0906	3005 05	wine red	•
	0922	7016 05	charcoal grey	•
	0924	7251 05	light grey	•
	0930	8518 05	black brown	•
	0929	8875 05	chocolate brown	•
	0911	5013 05	cobalt blue	•
	0910	5150 05	steel blue	•
	0917	6125 05	dark green	•
	0916	6005 05	moss green	•



Further decor colours on request.

# heroal roller door systems in comparison

## System dimensions and system features

Curtain	Roll-formed							Extruded					
heroal roller door system	heroal RD 55		heroal RD 75			heroal OD 75		heroal RD 75			heroal RG 90		
Assembly type	Boxed installation	Boxless installation	Boxed installation	Boxless installation	Boxless installation with Geared motor	Assembly with Lateral drive	Assembly with centre drive	Boxed installation	Boxless installation	Boxless installation with Geared motor	Boxed installation	Boxless installation	Boxless installation with Geared motor
Coverage width (mm)	55		75			75		75			90		
Nominal thickness (mm)	14		20			20		20			14		
max. clear width (mm)	3,500	5,750	6,000			2,750	4,000	4,750	5,000	6,000	4,500		
max. clear height (mm)*	3000	3,750	5,000			2,500	4,000	4,000		5,000	3,250	4,000	
max. area (m²)	10.5		16			7	16	21			15.5	18	
Barrel diameter (mm)**	217		272			-		290			259		
Wind load resistance***	1		4			4		4			-		
Hail class****	5		6			6		6			-		

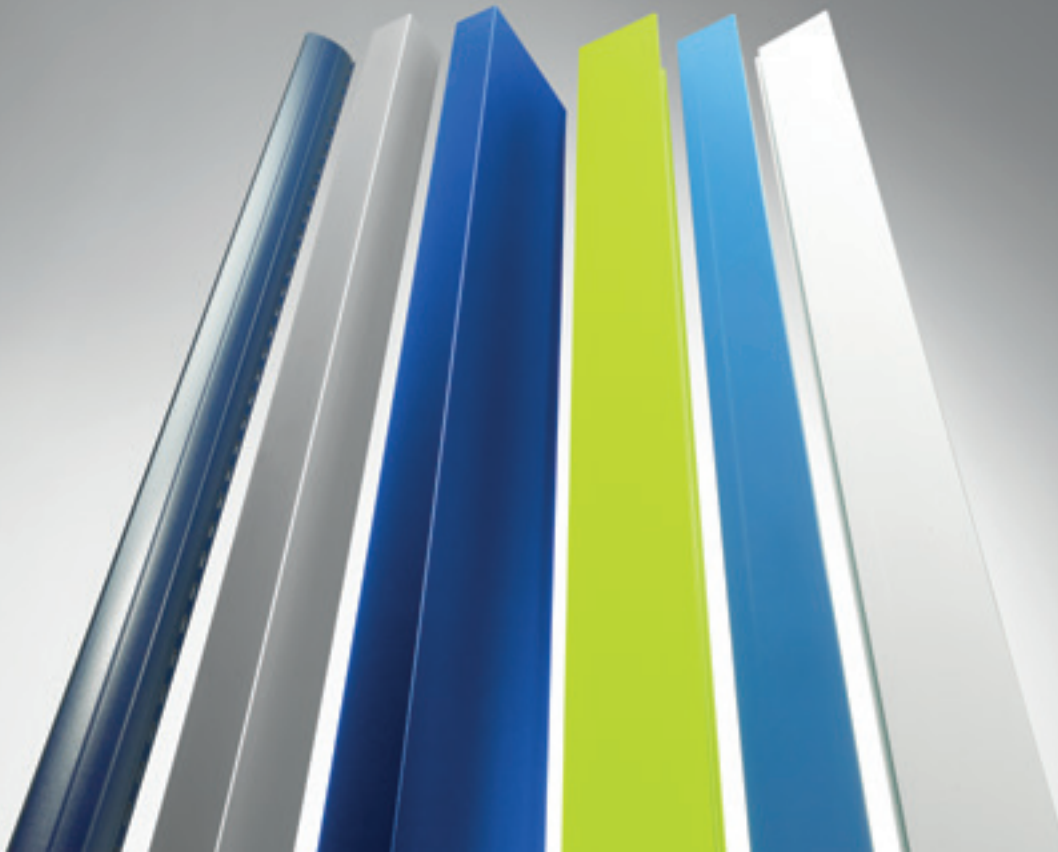
\* Total height (mm) for heroal OD 75 at a curtain height of 2,500 mm

\*\*\* acc. DIN EN 13241, at clear width of 3,000 mm

\*\*\*\* acc. VKF (Swiss Association of Cantonal Fire Insurance Companies) Test Specifications No. 02

## Wind load resistance classes

heroal roller door system	heroal roller door slat	heroal guide rail	Clear width (mm)															
			2,000	2,250	2,500	2,750	3000	3,250	3,500	3,750	4,000	4,250	4,500	4,750	5,000	5,250	5,500	5,750
heroal RD 75	heroal RD 75, heroal RD 75 TL	heroal URF 100	>=4				4						3			2		
heroal RD 75	heroal RD 75 E	heroal URF 100	>=4				4			3		2		1		0		
heroal RD 55	heroal RS 55 SL	heroal URF 85	4	3	2	1	0		-									



## 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 anodised surfaces and foil decors to its customers. A thick 2-layer lacquer 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, wind certified by if 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.

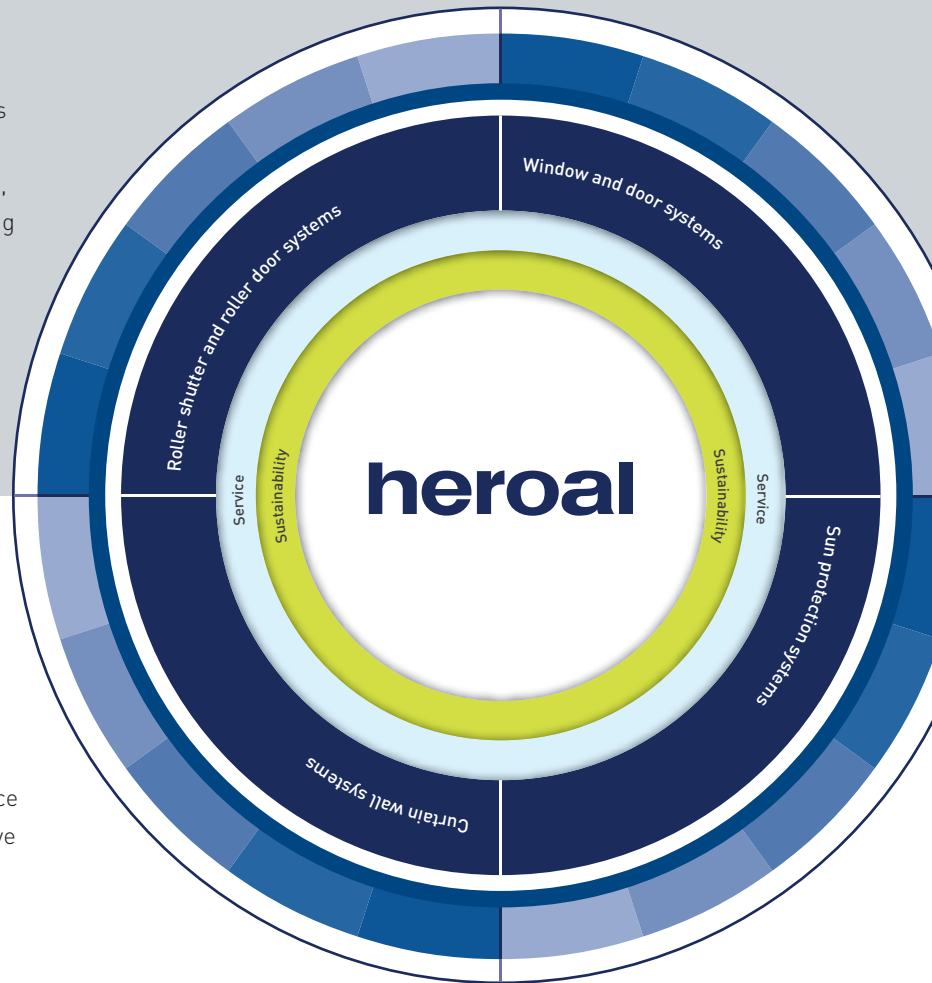


# heroal – the aluminium system house

As one of the leading aluminium system houses, heroal has developed and produced optimally coordinated systems for windows, roller doors, curtain walls, roller shutters, doors and sun protection, complemented by folding and sliding shutters, insect protection as well as terrace roofs and carports. With minimal energy use in the production and maximum energy saving during use, heroal system solutions contribute decisively to enabling sustainable construction – combined with the highest cost-effectiveness in the processing of the systems and the increase in the value of the buildings.

## Innovation, Service, Design, Durability

The heroal brand stands for system solutions that integrate practical innovations, industry-leading service and high-quality, integrated design with comprehensive sustainability in every architecture.



Roller shutters | Sun protection | Roller doors | Windows | Doors | Curtain walls | Service

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