



# heroyal S 65

Sliding door system



## Sliding door systems

First-class materials, technical perfection down to the smallest detail and a wide variety of design options are the unique characteristics of heroal's efficient system technology. Advantages that are convincing. For decades, heroal has been the reliable partner for architects, builders and fabricators, offering innovative solutions for the building shell made from aluminium and aluminium composites.

Planners appreciate the wide range of versatile design options, builders are able to create individual requirements with a reliable system, and our partners benefit from economically efficient heroal system solutions.

As all heroal systems, the high-quality sliding door system heroal S 65 combines functionality and durability with first-class design for large opening elements. It meets all criteria for sustainable, energy efficient construction, and fulfils the highest demands on thermal insulation, technology and aesthetics. In addition, the heroal sliding door system offers outstanding advantages in terms of a fast, reliable and especially efficient production.

Discover the variety of heroal's aluminium sliding door system.



## heroal S 65

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Sliding door system with optimised production

## Opening Types and Design Variants

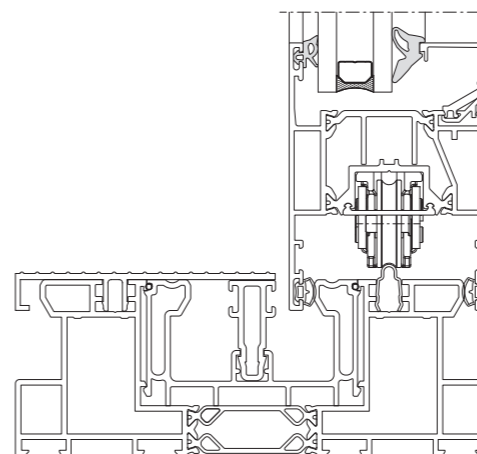
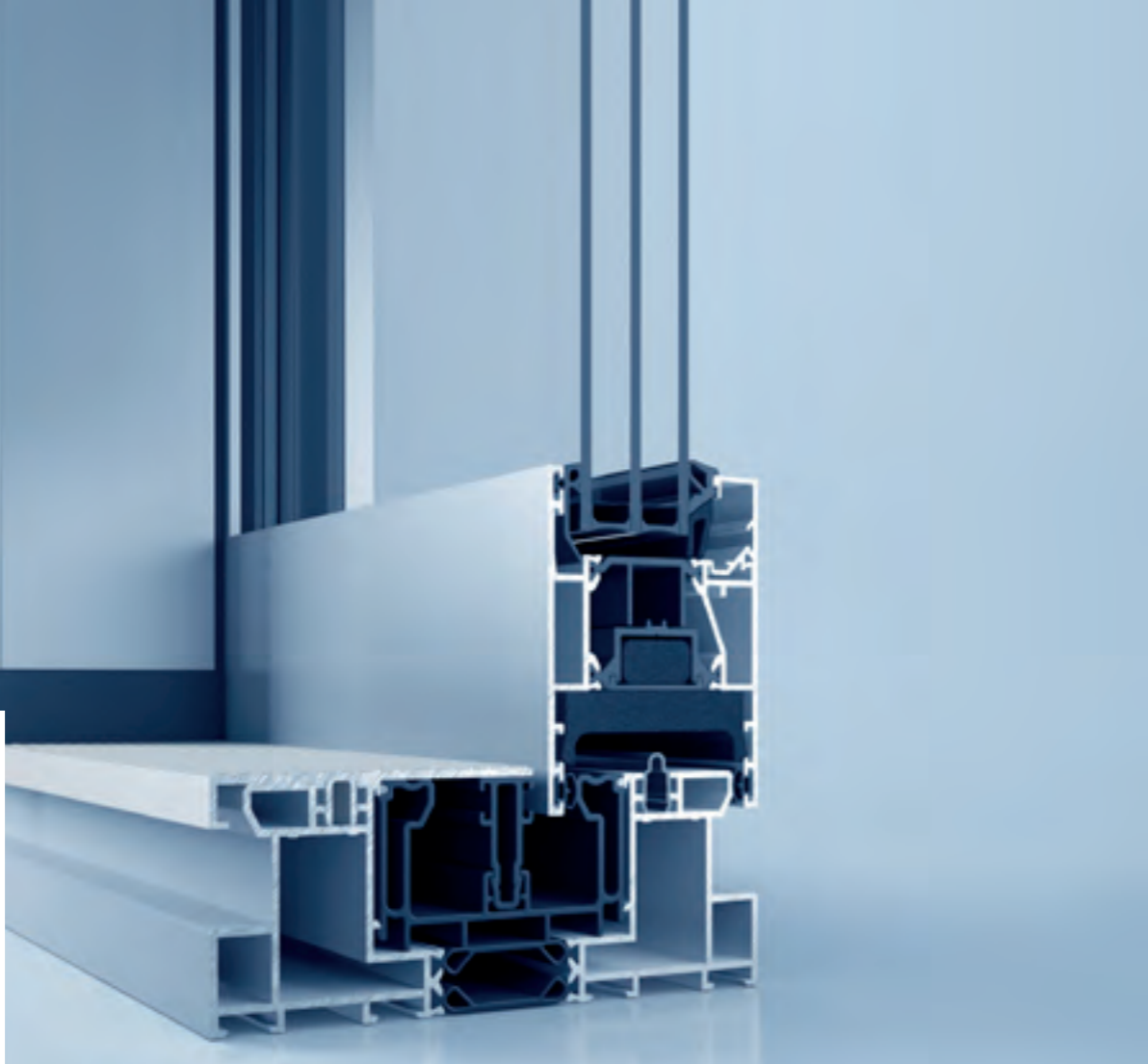
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## Versatile Advantages in Production

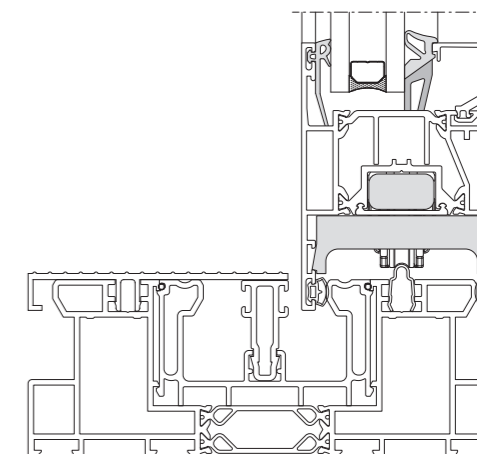
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## System Features and Performances

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heroal S 65 with zero-barrier threshold, w/o additional insulation, with standard seals, as a cross section



heroal S 65 HI with zero-barrier threshold, with additional insulation and HI-seals, as a cross section

## heroal S 65

### Sliding door system with optimised production

heroal S 65 is a modern aluminium sliding door system, which makes wide passage openings between living space and out-doors possible because of the sash sliding open sideways.

The sliding door system heroal S 65 offers outstanding advantages in terms of an especially efficient and reliable production and fulfils all demands on a highly heat insulated, technically mature sliding door.

The two-track sliding door system stands out for its optimised design. Compared to other sliding door systems, production of its elements is extremely efficient. The easy processing of profiles also contributes to this effect, setting new standards for the industry.

In addition to the advantages during processing and production and the resulting efficiency, heroal S 65 stands out for its great ease of use, modern design and full accessibility.

Because of its filigree look - especially of the central joint - and large-sized glazings, heroal S 65 creates rooms flooded with light and fascinating views. The sliding door system merges in-doors and outdoors and offers architects, planners and builders an appealing solution for upscale residential and commercial construction.

Thanks to the innovative design, the efficient manufacture and economic efficiency, the aluminium sliding door system has been honoured by the German Design Council and won the German Innovation Award 2020 in the category "Excellence in Business to Business – Building & Elements".

#### System features

- » max. sash height: 2,400 mm
- » max. sash weights: 250 kg
- » max. thickness of glass/filling: 47 mm
- » design depths: 154 mm frame, 65 mm sash
- » face widths: 57 mm frame, 62 - 87 mm sash, 62 mm central joint
- » two insulation variants offer flexibility in a system with low complexity
- » HI-insulation variants (High-Insulation) with improved thermal insulation for higher demands
- » tried and tested seals from existing heroal sliding and lifting-sliding door systems with narrow face widths, to be pulled in all-around
- » excellent smooth running due to the combination of tried and tested fitting technology and heroal stainless steel guide rails
- » flexible and non-wearing EPDM-seal shaped parts offering durable airtightness and tightness against driving rain
- » seal technology with four levels and windstop to seal off the central joint

#### Outstanding advantages for processing and production

- » very easy processing of profiles, which is also possible without a profile machining centre
- » fast and reliable production of frames with identical profiles and mitre-cuts all-around
- » easy production of sashes because pre-installed labyrinth profiles allow a higher degree of pre-fabrication
- » fast and uncomplicated assembly because of a reduced number of parts created by the innovative design

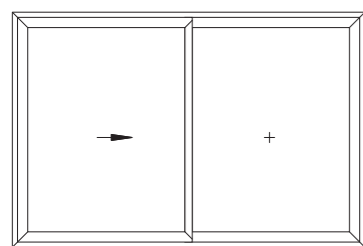
#### Design options

- » two-track sliding door system with all-around frame and up to two operating sashes
- » barrier-free threshold design through integration into structural connection
- » aesthetically appealing combination of handle and handle inset
- » handle colours: white, silver and RAL chart colours
- » additional freedom of design through availability of different colours for profiles on the inside and outside of the element
- » high-grade colour design using heroal hwr-powder coating, heroal SD surface designs or Les Couleurs® Le Corbusier colours

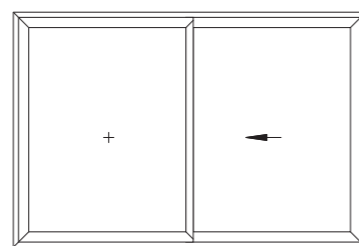


## heroal S 65

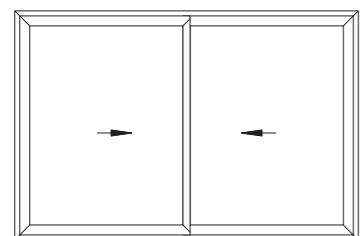
### Opening types and design variants



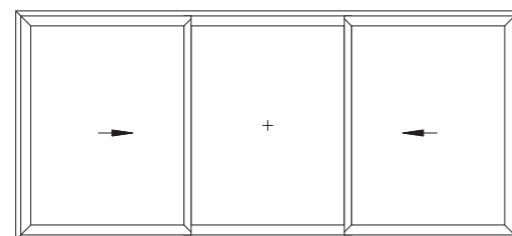
Fitting scheme A (left):  
1 sliding sash, 1 fixed sash



Fitting scheme A (right):  
1 sliding sash, 1 fixed sash



Fitting scheme D:  
2 sliding sashes



Fitting scheme K:  
2 sliding sashes, 1 fixed sash

Thanks to narrow profile face widths of only 57 mm of the frame, 62 - 87 mm of the sash and 62 mm of the central joint, the aluminium sliding door system heroal S 65 has a very appealing design. The system offers increased transparency by means of its slim central joint, therefore being perfectly suited for the use in upscale residential construction as well as commercial projects.

Even with different opening variants, the sliding door system heroal S 65 makes it possible to pass through comfortably and safely, offering unlimited accessibility without any barriers.

Furthermore, heroal S 65 meets the requirements for a completely flush threshold. With a suitable floor connection, sliding door elements with an optional threshold profile can be designed as zero-barriers with ease. This way, the threshold creates greater transparency of the sliding door and adds to the elegant appearance.

The harmonious look of the aluminium sliding door system is further improved by aesthetically appealing fittings that are available in standard colours and a range of RAL chart colours, perfectly matching the surface coating of the profiles.

The system is rounded-off by various options for individual design thanks to highly-weather resistant heroal hwr-powder coatings in almost all RAL-chart colours, Les Couleurs® Le Corbusier colours or heroal SD surface designs.

In addition to its appealing looks, the aluminium sliding door system heroal S 65 stands out for its excellent ease of use and perfect sealing features thanks to a new sash sealing technology.

## Versatile Advantages in Production

### **Optimised production processes and production times**

The aluminium sliding door system heroal S 65 stands out for its extremely easy, efficient and reliable production. Both the processing of profiles and the assembly of elements are based on simplified working steps, which, as a result, lead to significant time saving.

The frame construction, for example, is made from the same kind of profile all-around, with just a few additional profiles and profile machining necessary. The manufacture of the sashes is easy and fast since, for the first time, the newly developed labyrinth profiles are integrated into the sash profiles.

The labyrinth profiles reduce production times because their separate installation, during the manufacture of the sashes, is no longer necessary. In addition, the labyrinth profile provides for a very slim central joint, with a face width of only 62 mm, although all four corners of the sash are mitre-cut in just one single production step. Furthermore, glass bonding is no longer required.

### **Reduced system complexity for reduced storage capacities**

In order to keep its complexity as low as possible, the aluminium sliding door system heroal S 65 consists of a considerably reduced number of articles. This ensures that the system can be processed efficiently and reliably, requiring only a few machining steps.

Since the number of components has been reduced, the sliding door system by heroal requires less storage capacities, thus further increasing economic efficiency. In addition, all accessory parts are packed in customer-friendly sets, so that both ordering and installation are made easy.



## System Features and Performances

### System dimensions

description		heroal S 65		heroal S 77		heroal S 77 SL		heroal S 42	
profile design depth [mm]	frame profiles	154		178/279		202		72/132	
	sash profiles	65		77		77		38/42	
	glazing bar profiles	-		72		72		38	
profile face widths [mm]	frame profiles	57		35-52		40-52		48	
	sash profiles	62	87	94	104	104	68	72	
	glazing bar profiles	-		74-104		74-104		68	
	central joint	62		114	124	104	35		
max. thickness glass/filling [mm]	47		52		52-52		24-28		
glazing insert [mm]	-	16	-	18	18	18	13	13	
max. sash weight [kg]	250		400		400		160		
max. sash height [mm]	2.400		3.000		3.000		2.600		

### System features

thermal insulation [U <sub>i</sub> in W/m <sup>2</sup> K]	EN ISO 10077-2	≥2.4	2.2	2.1	2.1	-
air permeability	DIN EN 12207	4	4	4	4	4
tightness against driving rain	DIN EN 12208	7A	9A	9A	9A	8A
wind load resistance	DIN EN 12210	B2	C3/B3	C3/B3	C3/B3	C1/B2

### Opening variants and design

no. of stainless steel guide rails	1-2	1-3	1	2-3
max. no. of operating sashes	2	6	2	6
accessibility (zero-barrier)	•	•	•	•
drainage system heroal DS	-	•	•	-



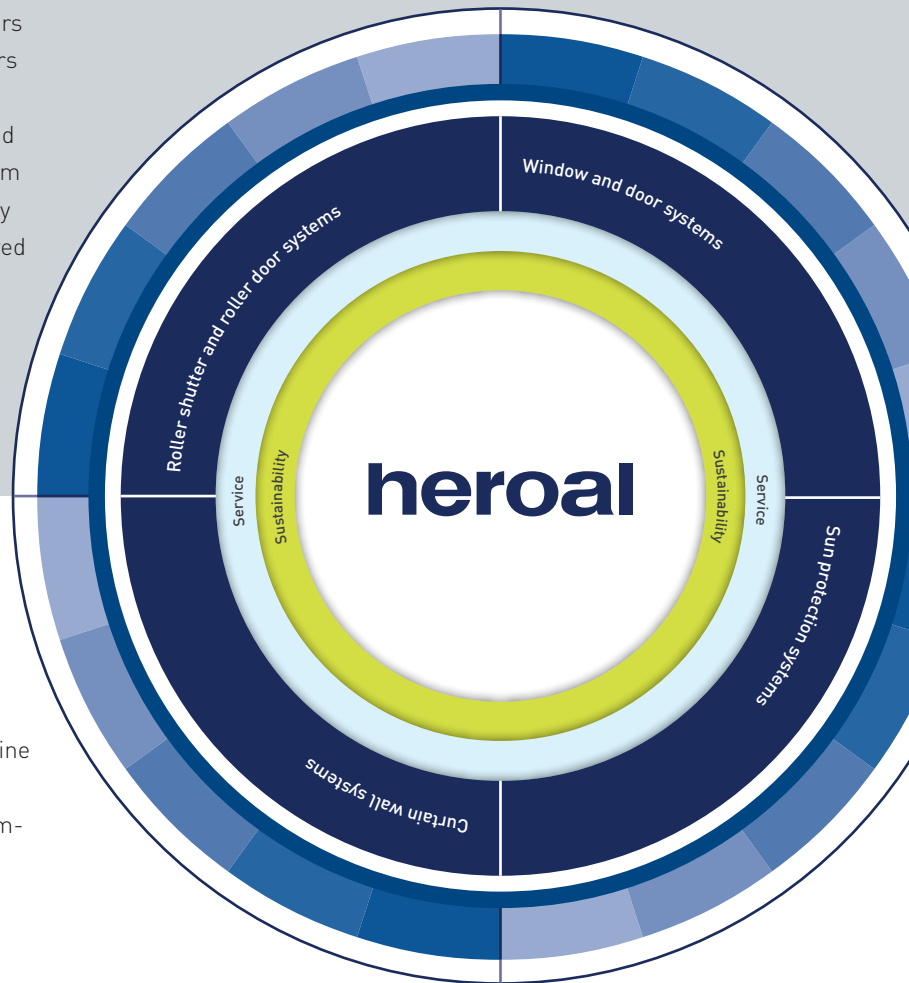
# heroal – the aluminium systems provider

As one of the leading suppliers of aluminium systems, heroal develops and produces perfectly aligned systems for windows, doors, curtain walls, roller shutters, roller doors and sun protection, as well as folding and sliding shutters insect protection, patio roofs and carports.

Thanks to low energy consumption during production and maximum energy savings during operation, heroal system solutions make a significant contribution to sustainability in construction, while at the same time providing improved efficiency during processing and increasing the value of buildings.

## Innovation, service, design, sustainability

The heroal brand stands for system solutions that combine practice oriented innovations, industry-leading services and high-quality, versatile architectural designs with comprehensive sustainability.



Roller shutters | Sun protection | Roller doors | Windows | Doors | Curtain Walls | Services

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