

For an efficient and process-reliable manufacture, large passage openings
and subtle looks

Sliding door system heroyal S 65



**GERMAN
INNO
VATION
AWARD '20
WINNER**

heroyal

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

Page 4

Sliding door system with optimised production

Opening Types and Design Variants

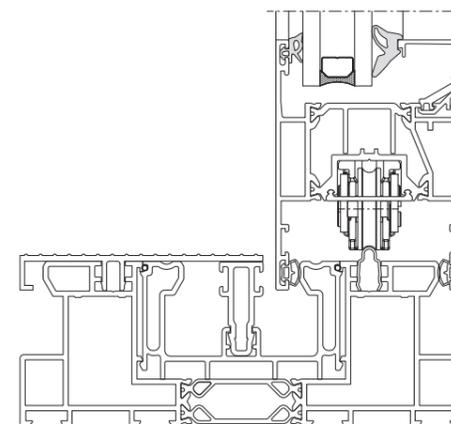
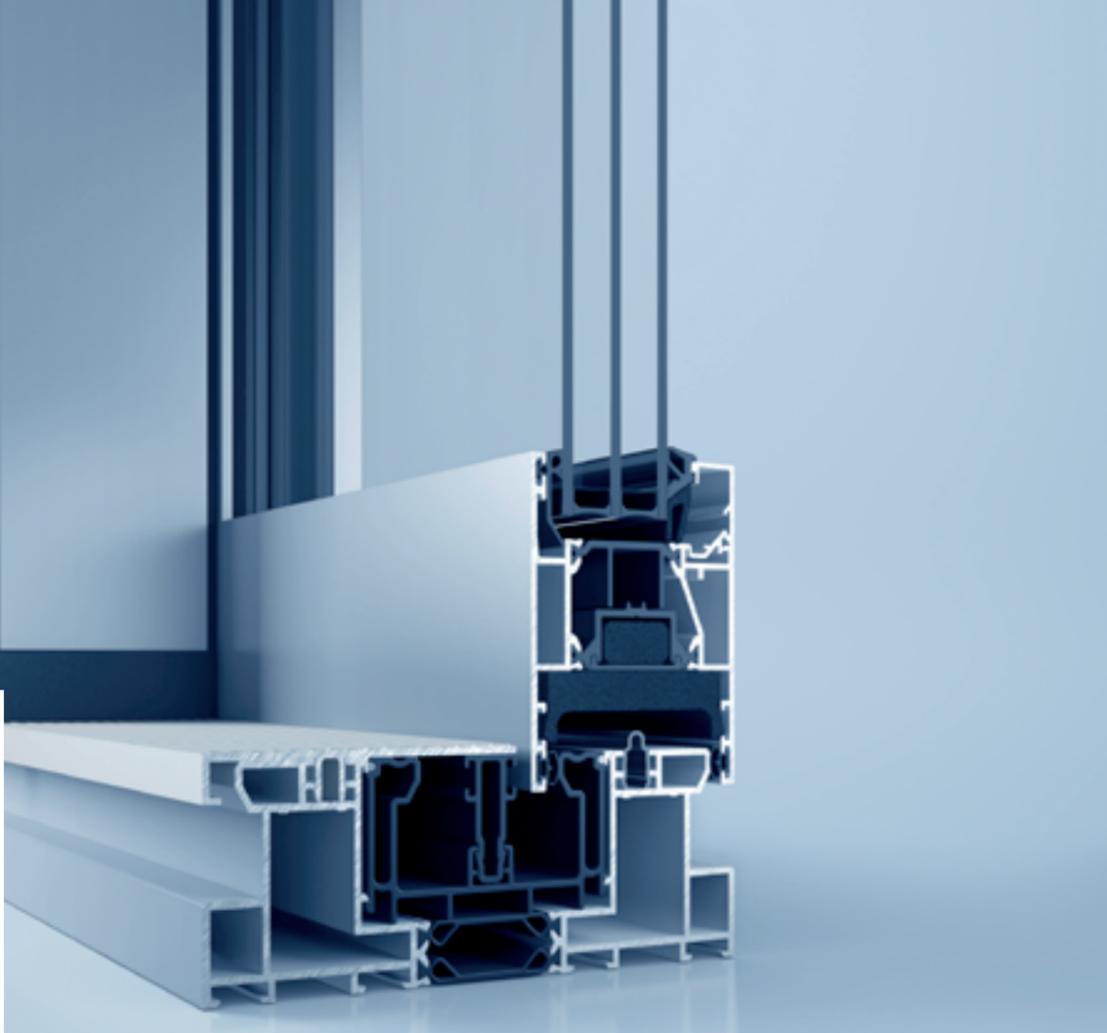
Page 6

Versatile Advantages in Production

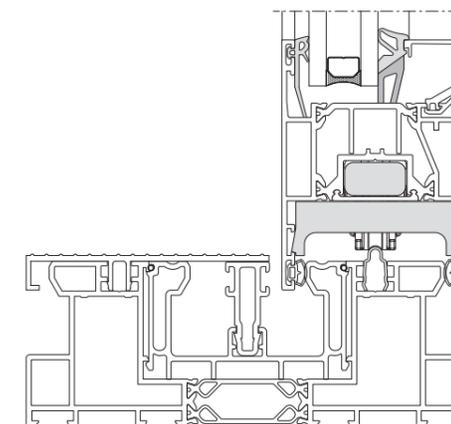
Page 9

System Features and Performances

Page 10



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

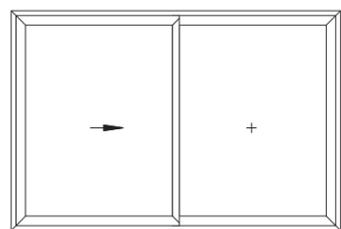
Design options

- » 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

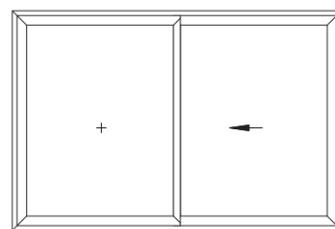


heroal S 65

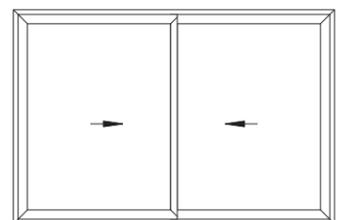
Opening types and design variants



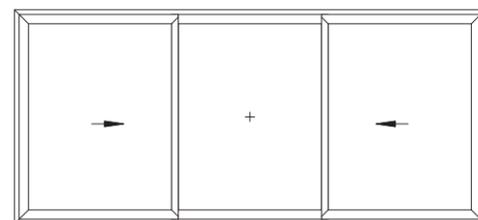
Fitting scheme A (left):
1 sliding sash, 1 fixed sash



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 _i in W/m ² 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



simply better *spaces for life*

As a manufacturer of aluminium system solutions for roller shutters, sun protection, roller doors, windows, doors, sliding doors, curtain walls and patio roofs, heroal is an international market leader, supporting high-quality residential and commercial construction projects worldwide. heroal products are developed and manufactured in Germany and set themselves apart with their premium quality and exceptional performance features. As a result, the innovative system solutions contribute to greater sustainability, security, comfort and architectural freedom for both current and future building projects and impress with simple and efficient planning and fabrication by heroal specialist partners.

Roller shutters | Sun protection | Roller doors

Windows | Doors | Sliding doors | Curtain walls | Patio roofs

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