



heroal WF

Window fittings



Window fittings

Top-quality materials, technical perfection down to the smallest detail and a wide variety of design options distinguish the efficient system technology available from heroal. These are benefits that speak for themselves. For decades, heroal has been the reliable partner of architects, building constructors and processors thanks to its innovative solutions made of aluminium and aluminium composite materials for the building shell.

Planners appreciate the variety of design options, building constructors can realise their individual wishes with a reliable system and our partners benefit from the economical and efficient heroal system solutions.

The new generation heroal WF fittings combine exclusivity, functionality and durability. heroal WF sets standards across the industry with regard to burglary resistance, and features an impressive level of standard basic security.

Discover the innovations of heroal window fittings!





heroal WF 100

page 4

Supported fittings for the highest requirements

heroal WF 100 i

page 5

Completely concealed fittings

heroal WF 200/300

page 8

Object fittings

Burglary resistance

page 10

Basic security as standard

Perfection in the detail

page 13

Design

page 14

Types of opening

page 16

System properties and performance features

page 17

heroal WF 100

Supported fittings for the highest requirements



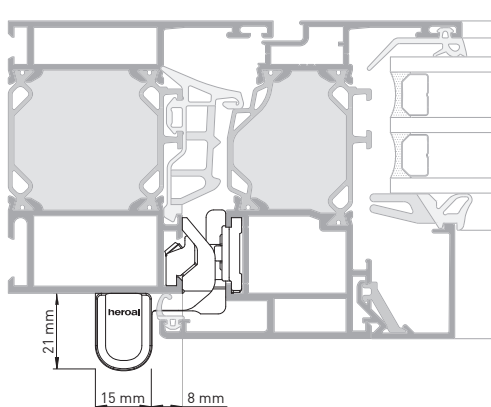
The new generation of fittings fulfils the highest requirements with respect to security, ease of use and design.

System properties

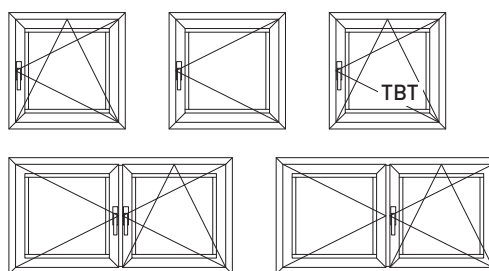
- » Min. casement width: 310 mm (T), 365 mm (TT, TBT)
- » Max. casement leaf height: 2,800 mm
- » Max. casement weight: 150 kg
- » Continuous function: class 3
- » Protection against corrosion: class 5
- » Tightness against driving rain: 1500 Pa (heroal W 72)
- » Operating forces: class 2
- » Exclusive locking side with basic security (standard)
 - Horizontal tipping point provides anti-lift protection
 - Locking side (VSU) with integrated casement lifter
 - Upper locking side (VSO) with anti-mishandling device
 - Frame striker units with undercut
- » Easy-to-use due to mushroom locks on roller bearings
- » Simple and quick installation using pre-assembled and clampable fitting parts

Design options

- » Free choice of colour design for the visible fitting components
- » Can be used for barrier-free French doors according to DIN18040
- » Modular construction system to effectively meet individual customer requirements.



heroal W 72 with the heroal WF 100 fitting system



max. 150 kg	min. 310 mm	max. 2800 mm

heroal WF 100 i

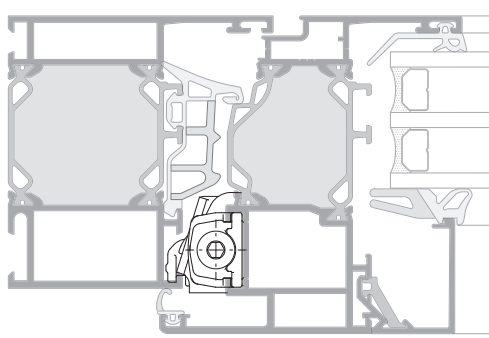
Completely concealed fittings



heroal WF 100 i, the new generation of concealed fittings, fulfils the architectural requirements of maximum transparency and design.

System properties

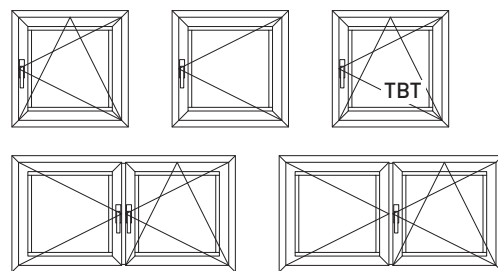
- » Min. casement width: 320 mm (T), 380 mm (TT, TBT)
- » Max. casement leaf height: 2,800 mm
- » Max. casement weight: 150 kg
- » Continuous function: class 3
- » Protection against corrosion: class 5
- » Tightness against driving rain: 1650 Pa (heroal W 72)
- » Operating forces: class 2
- » Exclusive locking side with basic security (standard)
 - Horizontal tipping point provides anti-lift protection
 - Locking side (VSU) with integrated casement lifter
 - Upper locking side (VSO) with anti-mishandling device
 - Frame striker units with undercut
- » Easy-to-use due to mushroom locks on roller bearings
- » Simple and quick installation using pre-assembled and clampable fitting parts



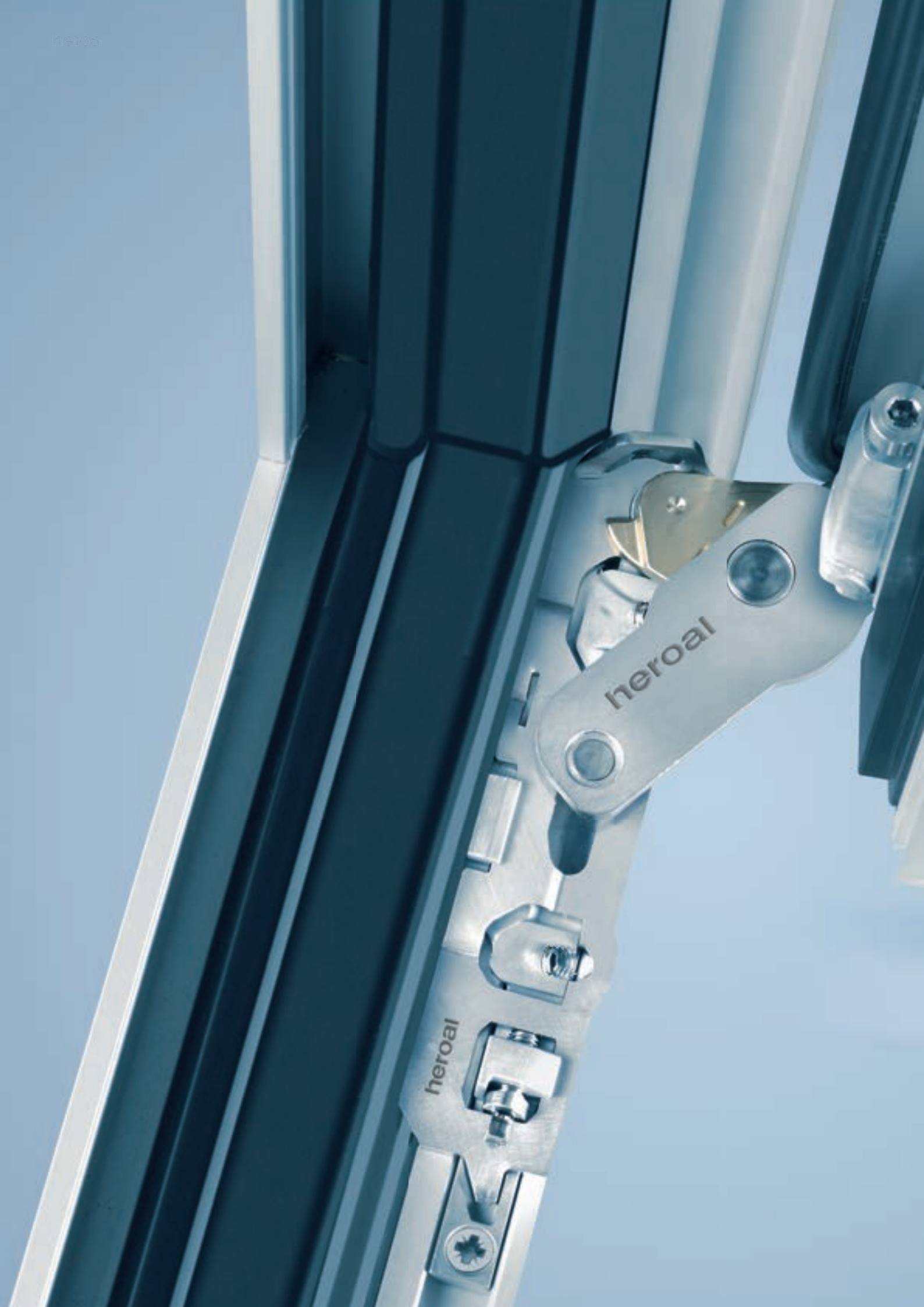
Design options

- » High transparency due to concealed fitting options
- » Can be used for barrier-free French doors according to DIN 18040
- » Modular construction system to effectively meet individual customer requirements.

heroal W 72 with the fitting system heroal WF 100 i



max. 150 kg	min. 320 mm	max. 2800 mm



**“PERFECT FUNCTIONALITY,
MAXIMUM TRANSPARENCY.”**

heroal WF 200

Object fittings



heroal WF 200 combines durability and functionality for large-area opening elements.

System properties

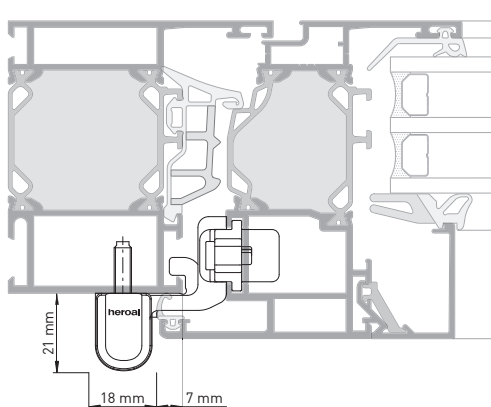
- » Min. casement width: 550 mm (200 kg)
- » Max. casement leaf height: 2,800 mm
- » Max. casement weight: 200 kg
- » Continuous function: class 3
- » Protection against corrosion: class 5
- » Tightness against driving rain: Class 9A (heroal W 72)
- » Operating forces: class 2
- » Exclusive locking side with basic security (standard)
 - Horizontal tipping point provides anti-lift protection
 - Locking side (VSU) with integrated casement lifter
 - Upper locking side (VSO) with anti-mishandling device
 - Frame striker units with undercut
- » Easy-to-use due to mushroom locks on roller bearings

Design options

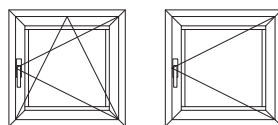
- » Low frame clearance for free profile selection and creative freedom
- » Free choice of colour design for the visible fitting components

Types of opening

- » heroal WF 200: Turn (T), tilt-and-turn (TT)



heroal W 72 with the heroal WF 200 fitting system



max. 200 kg	min. 550 mm	max. 2800 mm

heroal WF 300

Object fittings



heroal WF 300 combines durability and functionality for large-area opening elements.

System properties

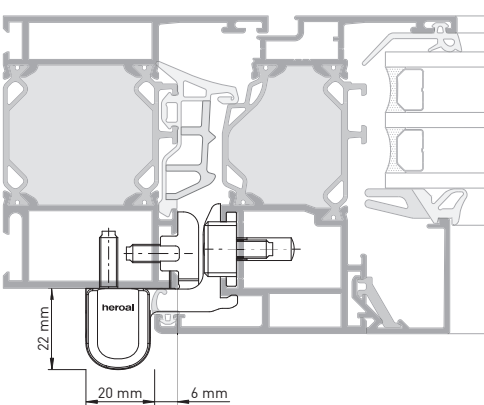
- » Min. casement width: 350 mm (300 kg)
- » Max. casement leaf height: 2,800 mm
- » Max. casement weight: 300 kg
- » Continuous function: class 3
- » Protection against corrosion: class 5
- » Tightness against driving rain: Class 9A (heroal W 72)
- » Operating forces: class 2
- » Exclusive locking side with basic security (standard)
 - Horizontal tipping point provides anti-lift protection
 - Locking side (VSU) with integrated casement lifter
 - Upper locking side (VSO) with anti-mishandling device
 - Frame striker units with undercut
- » Easy-to-use due to mushroom locks on roller bearings

Design options

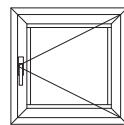
- » Low frame clearance for free profile selection and creative freedom
- » Free choice of colour design for the visible fitting components

Types of opening

- » heroal WF 300: Turn (T)



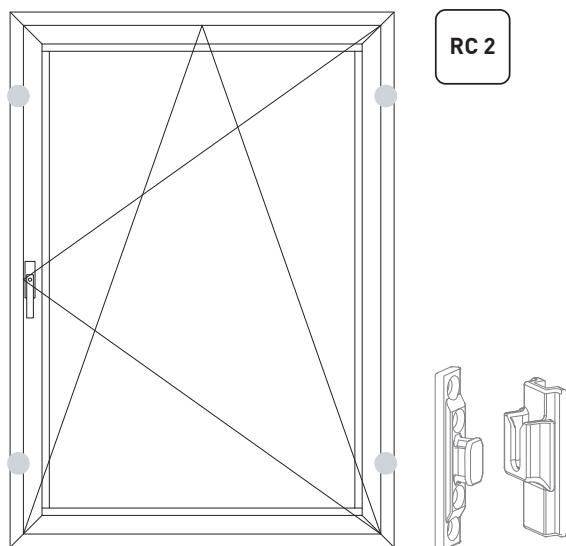
heroal W 72 with the heroal WF 300 fitting system



max. 300 kg	min. 350 mm	max. 2800 mm

Burglary resistance

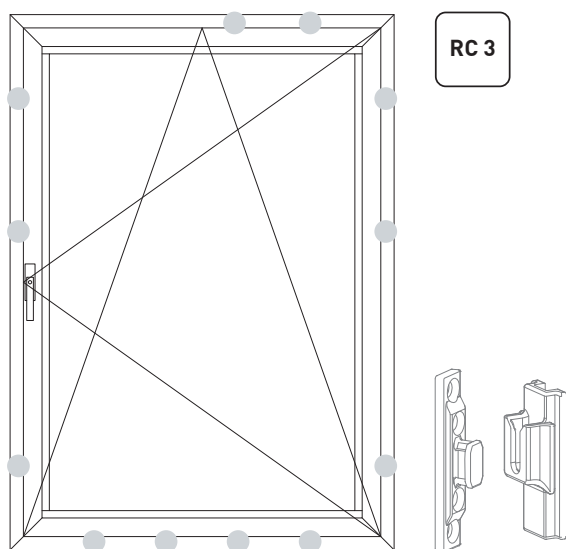
Basic security as standard



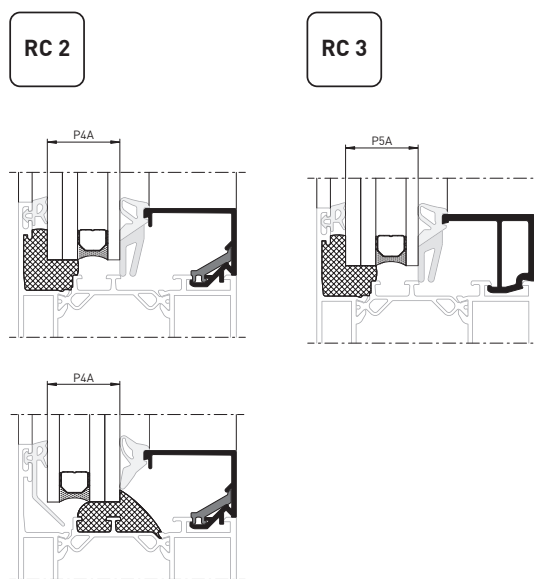
RC 2 window element with 4 striker units

heroal WF combines security and functionality. Burglary resistance is gaining in importance in today's media and for end users. The new generation of fittings, heroal WF, features impressive basic security as standard, in addition to RC2 and RC3 certification.

- » Even the basic version provides a high level of basic security:
 - a horizontal tipping point and mushroom lock provides anti-lift protection
 - Frame striker units with undercut
- » Combination of standard building components and RC closing elements
- » Reduces the number of closing elements in RC versions:
 - RC 2: from 12 to 4 parts (casement leaf size: 1250 x 1400 mm)
 - RC 3: from 18 to 12 parts (casement leaf size: 1250 x 1400 mm)
- » tested heroal window systems:
 - RC 2: heroal W 72, heroal W 72 RL/CL, heroal W 77
 - RC 3: heroal W 72, heroal W 77



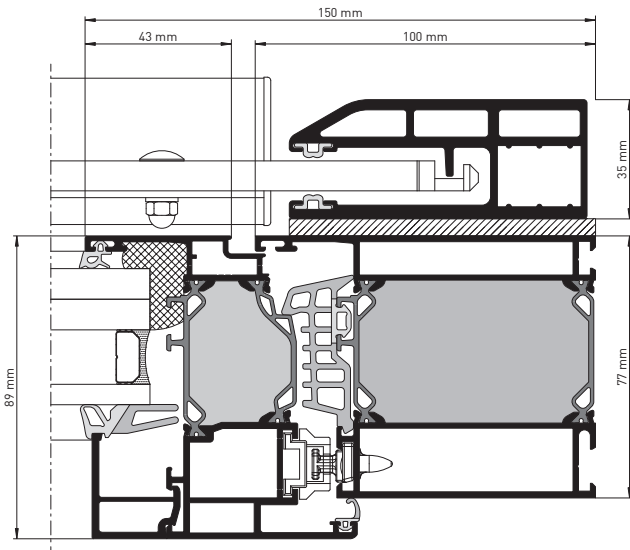
RC 3 window element with 12 striker units



RC glass seal

Burglary resistance

Easily combined, doubly secure



heroal W 77 RC 3 with heroal safe high-grade steel roller shutters
RS 37 RC 3

They'll give up before they get in

Ground floor windows are particularly popular targets for burglars. Police therefore recommend the installation of windows of resistance class RC 2 for preventing break-ins by opportunistic offenders. However, if the location and circumstances mean that it is possible for intruders to avoid being interrupted, even whilst making noise with loud tools, more effective protection may be necessary. For heroal this is a good reason to exceed the recommendations – both with the heroal W 72 and W 77 window systems and with the heroal RS 37 RC 3 high-grade steel roller shutters. Tested separately by ift Rosenheim, they afford burglary resistance of resistance class RC 3, and in combination even resistance class RC 4. Even experienced offenders with cordless drills or sawing and hammering tools are not able to penetrate the building within 30 minutes – a period of time during which most offenders will have long since abandoned their attempts.



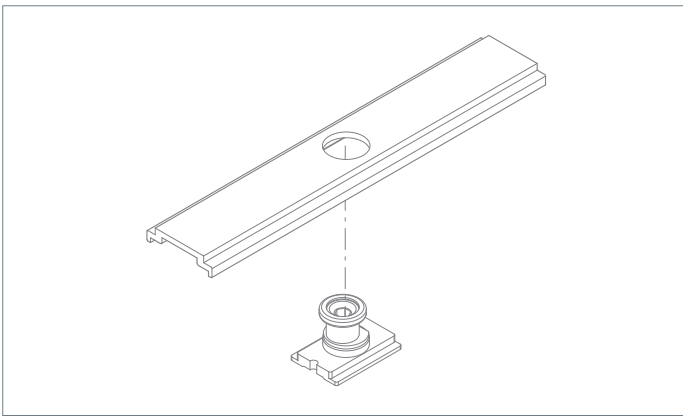


heroal WF

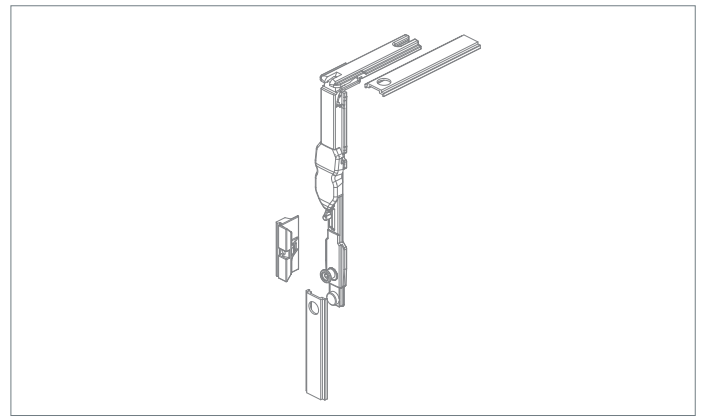
Perfection in the detail

In addition to basic security as standard, heroal WF features impressively simple and intuitive installation. Pre-assembled and clampable fitting parts and simple plug connections reduce the number of components and shortens the installation time.

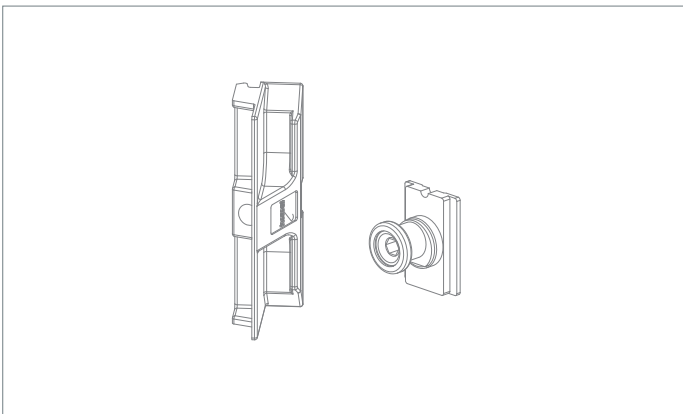
The modular construction system allows lower storage requirements due to the combination of different swing sides with universal accessories.



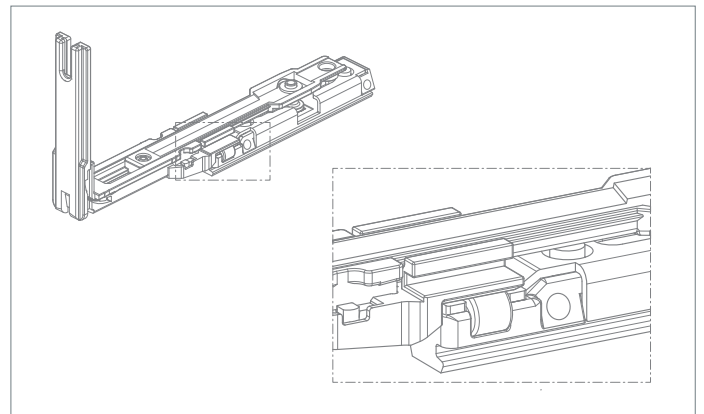
Plug connections for simple and quick installation



Upper locking side with anti-mishandling device and well-designed mushroom lock for ease of use



Choose from versions with striker units that can be clamped or screwed. Clampable striker units with undercut guarantee simple installation and are part of basic security. The striker units that can be screwed mean individual security standards can be defined.



Fewer parts due to the lower locking side with integrated case-lifter.

heroal WF

Design

In addition to the exposed and concealed fitting variants, heroal WF also offers other design options. All visible fitting parts are available as standard in white, grey, silver and RAL colours. The free choice of colour design means individual customer requests can be fulfilled, and heroal WF can also offer different handle designs. As well as the standard handle with a gear attachment, it

is also possible to have a drive handle with a round escutcheon. Lockable versions are also available for all handle types. The new heroal design window handle without escutcheon impresses with its attractive design and straightforward installation. No profile recess is needed for the gear.



Standard handle with gear attachment



Drive handle with round escutcheon



heroal design handle





heroal offers a wide selection of RAL colours to create a very individual look



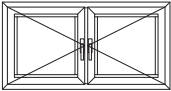
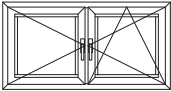
“SECURITY. EASE OF USE. DESIGN.” - **COMBINED**

Types of opening

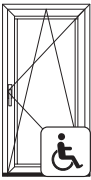


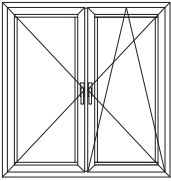
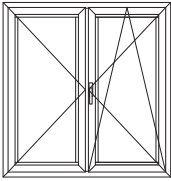
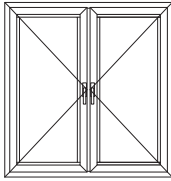
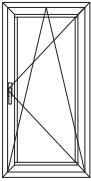
One-piece elements

Type of opening			
Casement dimensions (mm)	Max. width	1600	1600
	Max. height	2000	2000




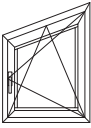
Two-piece elements

Type of opening			
Casement dimensions (mm)	Max. width	1600	1600
	Max. height	2000	2000

Door elements

Type of opening					
Casement dimensions (mm)	Max. width	1200	1200	1200	
	Max. height	2400	2400	2400	
Type of opening					
Casement dimensions (mm)	Max. width	1200	1200	1200	1400
	Max. height	2400	2400	2400	2800

Form elements

Type of opening					
Casement dimensions (mm)	Max. width	1200	900	1200	1200
	Max. height	2200	2200	2200	2200

System properties and performance features

System dimensions



Description		heroal WF 100	heroal WF 100 i	heroal WF 200	heroal WF 300
Type of opening		TT/T/TBT/French	TT/T/TBT/French	TT/T/TBT	D
Casement dimensions (mm)	Min. width	310	320	550	350
	Max. width	1,600	1,600	1,800	1,800
	Min. height	550	550	1,100	1,100
	Max. height	2,800	2,800	2,800	2,800
Max. casement weights (kg)		150	150	200	300
Burglary resistance	Basic security	standard	standard	standard	standard
	RC 1 - RC 3	•	•	-	-
	RC 4 ¹⁾	•	•	-	-

System properties

Air permeability	EN 14351-1	4	4	-	-
Tightness against driving rain (Pa)	EN 14351-1	1500	1650	-	-
Wind load resistance	EN 14351-1	C5/B5	C5/B5	-	-
Operating forces	EN 14351-1	1	1	-	-
Mechanical stress	EN 14351-1	4	4	-	-
Ability to bear safety equipment	EN 14351-1	fulfilled	fulfilled	-	-

Design

Swing side (centre of rotation)	supported	•	-	•	•
	concealed	-	•	-	-
Colour design	White (RAL 9016)	•	-	•	•
	Pure white	•	-	•	•
	Grey	•	-	•	•
	E6/EV1 anodized	•	-	•	•
	Individual coating	•	-	•	•
Operating elements (window handles)	Gear attachment	•	•	•	•
	Round escutcheon	•	•	•	•
	No escutcheon	•	•	•	•

¹⁾ in combination with heroal safe high-grade steel roller shutters RS 37 RC 3

System properties and performance features

Comfort features

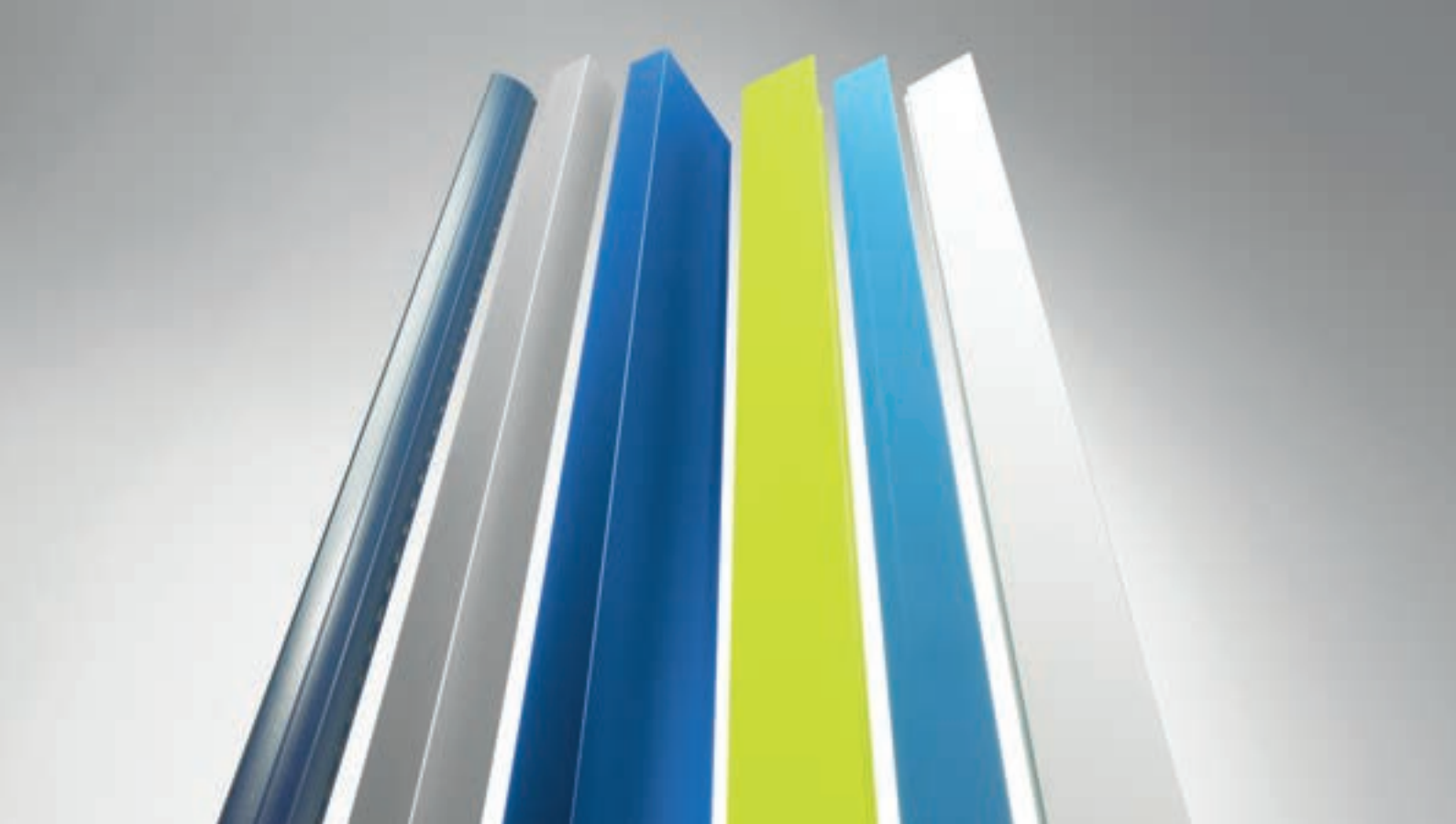


Description		heroal WF 100	heroal WF 100 i	heroal WF 200	heroal WF 300
Accessibility	DIN 18040	•	•	•	•
Casement brake		accessories	accessories	-	-
Anti-mishandling device		integrated	integrated	integrated	-
Casement lifter		integrated	integrated	integrated	-

Setting and adjustment options

Locking points	Pressure adjustment	± 1.0	± 1.0	± 1.0	± 1.0
Corner bearing	Lateral adjustment	± 1.2	± 1.2	± 1.5	± 0.8
	Pressure adjustment	± 0.5	± 0.5	-	± 0.5
	Vertical adjustment	+ 1.5 / -1.0	+ 2.0 / -1.0	+ 2.0 / -1.0	± 2.5
Arm	Lateral adjustment	+ 2.0 / -3.0	+ 2.0 / -3.0	+ 3.0 / -6.0	-
	Pressure adjustment	± 1.0	± 1.0	± 1.0	-





heroal surfaces

Surface finishing is an integral part of heroal system components. heroal offers optimally matched systems for windows, doors, façades, as well as roller shutters, roller doors and sun protection. With our heroal hwr powder coating, we rely on quality from our own coating plants. The award as the official GSB Premium coater and the Qualicoat quality seal underline the quality leadership! Apart from the powder coating, heroal also offers its customers Eloxal surfaces and laminations. A twin-coat thick coating is used in the roller shutter field in particular. heroal delivers its entire product portfolio directly ex-works, thus ensuring the shortest delivery times for its partners.

Our service is consistently geared to your needs

Alongside its extensive system portfolio with perfectly coordinated products, heroal also provides a service that is unique and the most efficient in the sector – founded on a consistent focus on customers' requirements, wishes and needs. The basis of heroal service – alongside the trained team of employees – is the in-house, energy-efficient production, made in Germany with an unparalleled manufacturing range and process reliability, which ensures optimum product quality for sustainable, cost-effective and value-enhancing construction for processors, architects and constructors. This is also ensured by the new heroal logistics centre, covering an area of around 40,000 m², and the company truck fleet. The heroal service portfolio is rounded off by the testing centre for roller shutters, roller doors, sun protection, windows, doors and façades, which is certified by ift Rosenheim and can also be used by customers, as well as by the efficient, in-house profile bending and edging service: heroal is the only systems supplier in the sector to offer such a service to its customers.

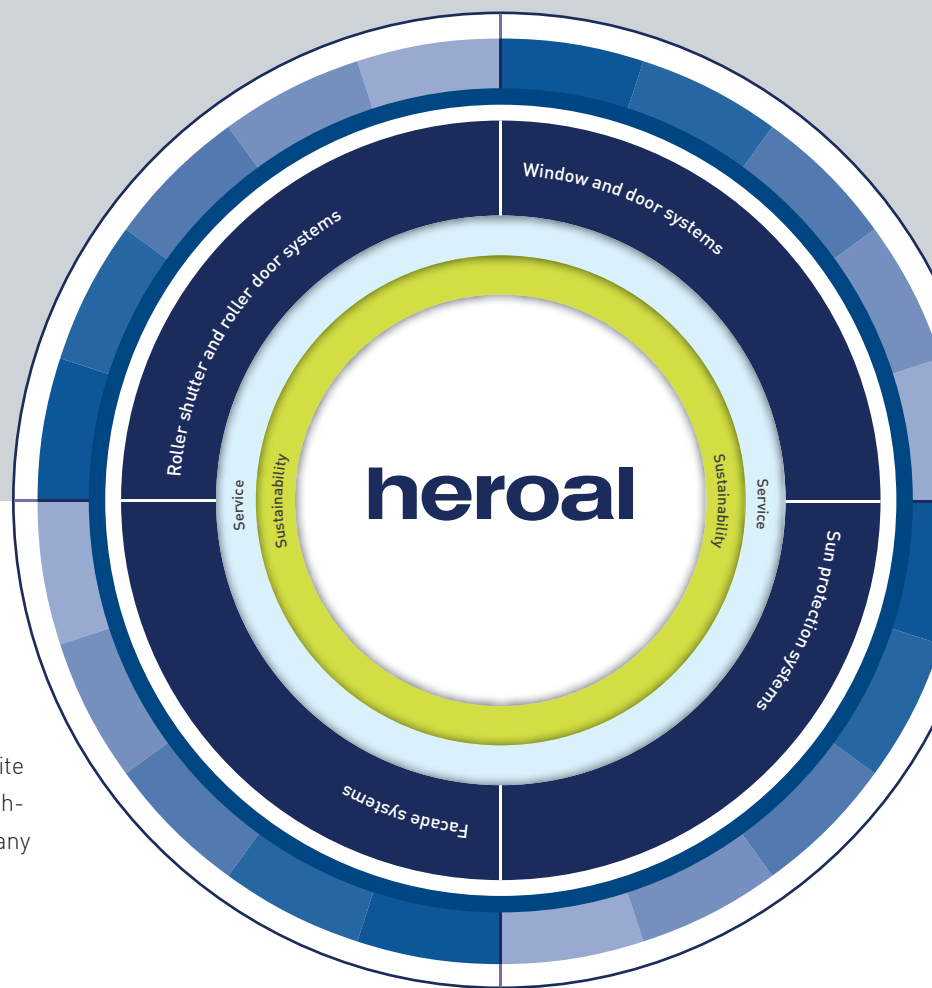


heroal – the aluminium systems supplier

As one of the leading aluminium systems 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 and ensuring optimum profitability during system processing and building improvement, 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 | Façades | Service

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