

Hardware Solution for Doors

Sv Panic Locks Series 200

Panic Strike Box Series 200

Standard and Panic Locks Series 200

Design-Line Panic Bar Handle

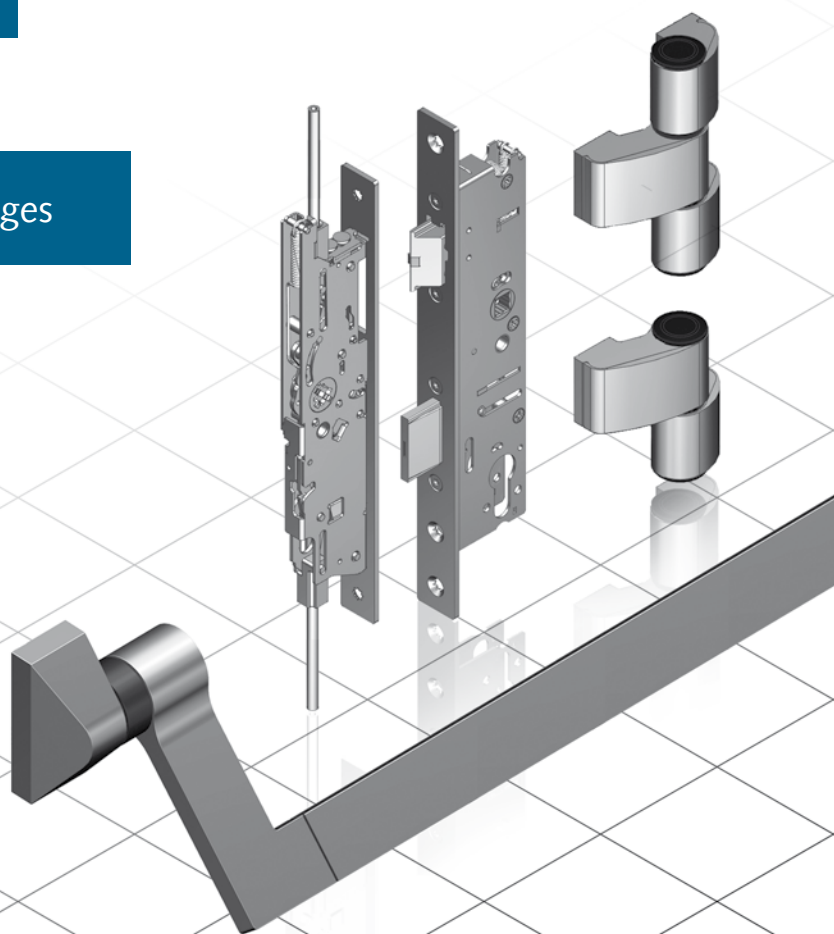
Variosafe-Lock

Barrel Hinges, Aluminium Door Hinges



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Design meets technology

The new Series 200 Sv panic locks, with mechanical and mechatronic model, meet the requirements of emergency exit doors and panic doors of modern building technology. The decisive thing is that all relevant locking and function modes can be queried via integrated sensor technology.

Thanks to the electronic lever handle coupling, integration in building control systems, time recording and other such functions are also possible. The new Design Line panic bar handle offers an appropriate function-orientated design to match the locks. While the clear and purist look is convincing, the intelligent geometry enables maximum freedom from restraint, even with small door widths.

A further development for doors made of window profiles with Euro follower is the multiple locking Variosafe-Lock. A central control lock with lever handled controlled locking moves the swivel bolt and mushroom cam. The locking points are variably adjustable and can be upgraded to resistance class RC3.

We pursue a policy of consistent product and product range optimisation of our hinges. The stainless steel and aluminium barrel hinges are both functional and aesthetic. Convenient to install with technical features demanded on a modern barrel door hinge.

The 3D-PLUS door hinge is also innovative: Door weights up to 180kg, generous adjustment options and can be upgraded up to class RC 3/SKG*** – an all-rounder.

Content

Sv Panic Lock Series 200 Functions B and E.....	Page 3
Sv Panic Lock Series 200 Electronic Handle Control	Page 4
Panic Strike Box Series 200.....	Page 6
Standard and Panic Locks Series 200	Page 8
Design-Line Panic Bar Handle	Page 10
Variosafe-Lock	Page 12
Barrel Hinge RB-T.....	Page 14
Aluminium Barrel Hinge RB-R	Page 16
Aluminium Door Hinges 3D-PLUS.....	Page 18

Solutions for more Security

Sv Panic Lock Series 200 Electronic Handle Control



Consistently innovative

The new Sv panic lock with integrated door handle control and query sensor technology combines complex mechanics and electronic control.

With electronic Sv panic locks, the external door handle is activated by means of an integrated control and can be regulated with a separate operating unit.

The reversible latch with integrated trigger and optional variable escape route reduce warehousing considerably.

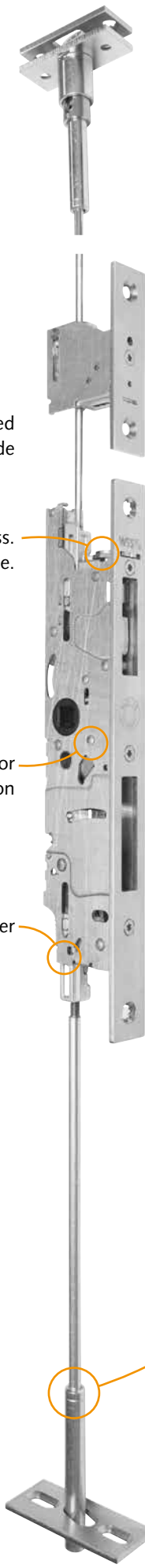
The new Sv panic lock is available for single and double-leaf door systems and has a bolt throw of 20mm. In addition, a forced closure Function C is integrated, which ensures that authorized keyholders such as operational or emergency personnel secure the building when they are leaving it.

The Sv panic lock is also available with an additional top locking for high door leaves. The 16mm stroke provides for good security coverage between locking rod and strike plate in the case of a change in climatic conditions or of fire. A mechanical bolt arrester can be integrated into the system if electronic door openers are used.

The Sv panic lock Series 200 electronic handle control is suitable for:

- Single and double-leaf doors according to DIN EN 179 and DIN EN 1125 in combination with WSS panic fittings and certified door handles
- Automated door and alarm security systems





Spring-loaded bar guide

Bar guide with funnel

Rod arrester optional for free access. Activation from the front plate side.

Query sensor system for follower activation

Query sensor system for arrester

Strike box with electronic door opener

Adjustable locking plate



Mounting of the lock elements by hammering using the patented holding bush. No drilling, pinning or gluing required

More Standard Functions

Standard and Panic Locks Series 200



A great line

The new Series 200 standard and panic locks, available as mechanical and mechatronic models, complement the Sv Panic 200 lock series. All relevant lock and functional modes can be queried via integrated sensor technology. The new panic strike box, with or without the Sv Panic series electronic door openers, can also be used here. The reversible latch with integrated trigger and variable escape direction reduces the warehousing considerably.

Combined with certified lever door handles or WSS panic bar handles and push bars, the locks are approved according to DIN EN 179 and 1125.

The conical bolt shape with a bolt throw of 20mm guarantees reliable locking. All locks are also available with additional top locking.

The standard has been extended to door heights up to 3,000 mm, as a result, a spring-loaded bar guide has been developed. The bar guide can be adjusted in three steps, even after installation, as the setting can be changed from the front plate side using a special tool. Another new development is the bar guide with funnel – this makes it considerably easier to insert the bar and reduces installation times.

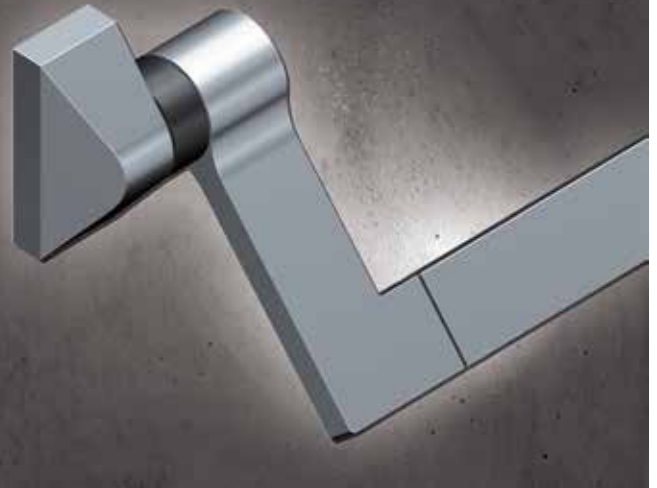
Standard and panic locks Series 200 are suitable for:

- Single and double-leaf doors according to DIN EN 179 and DIN EN 1125 in combination with WSS panic fittings and certified lever door handles

Technical features:

- Tests according to DIN EN 1634 and DIN EN 12209
- Integrated query sensor technology (optional)
- Secure latch and bolt arrester (Function E) Latch and bolt arrester (Function B) (optional)
- Reversible latch with integrated trigger
- Variable escape direction
- Integrated follower query for access control (optional)
- Bolt query for automated door and alarm systems (optional)
- Cylinder query for alarm security systems/panic activation (optional)

Design meets Technology



Design-Line Panic Bar Handle



Function-orientated design

The new developed panic bar handle does not only attracts attention due to its clear, purist design. The clever arrangement of the minimalist components ensures maximum freedom from restraint, even with narrow door widths. Thus, there are almost no limits to the design freedom of the designer.

Thanks to the compact design, narrow profile elevation widths can also be implemented. The cap width of only 32 mm prevents projection into the glass strip and emphasises the elegant optic. High-quality materials and top workmanship round off the profile.

The high-quality aluminium surface is supplied with a stainless steel optic or other anodizing colours.



LED technology

The new panic bar handle is also available with optional LED technology in RGB colours. This not only assists intuitive use in case of an emergency, but can also be integrated in the building's lighting design concept.



Spacer with LED



Aluminium anodised spacer



Black plastic spacer

Technical features:

- Right/left use
- Rose or short backplate available
- Aluminium stainless steel finish or anodised
- Optional LED lighting of the intermediate rings is compatible with the standard LED driver steps for controlling the colour and colour temperature
- Simple ergonomic installation without visible screw fixing, without special tools

Technical details:

Cover cap dimensions: L: 75 mm, W: 32 mm, H: 37.5 mm

Upstand height: 99 mm (according to DIN EN 1125 / class 2)
to ensure the largest possible passage widths

Follower rotating angle: Continuously adjustable up to 45°



Made-to-Measure Security



Variosafe-Lock

Multiple locking for French doors

The new WSS multiple locking for French doors is a new and secure way of locking patio doors, as well as all other door solutions in which window profiles can be used. This solution uses a central control lock with swivel bolt and lever handle-controlled bolt and connecting rod lock. The latch is activated by the lever handle. The vertical rod and swivel bolt function (bolt throw 20mm) are coupled via the profile cylinder and are actuated by turning the lever handle upwards. The adjustable protruding latch enables adjustment to different profile geometries and reduces the warehousing considerably.

The lock elements, mushroom cams and security lock blocks from the standard WSS DK window range can be used in freely selectable positions; it is therefore possible to upgrade the hardware up to burglary resistance grade RC3 or SKG***.

The 19mm lift produced by the lock's gear function enables secure inclusion of the locking elements in the lock blocks.

Corner deflections enable additional horizontal locking points, higher door elements can be locked easily in different positions using appropriate connecting rods. The lock system is designed for the Euro follower, thus standard connecting rod profiles can be used – this removes the need for long front plates, a substantial cost reduction for transport and warehousing.

Flush door closure is created by attaching a profile adapter, which means that a standard floorsill can be used – a contribution to accessibility.



Security lock block RC1-3



Locking point RC3



Product study

Technical features:

- Lock with swivel bolt
- Middle lock is activated by moving the lever handle upwards
- Lever handle is blocked via PZ (profile cylinder)
- Variable locking points
- Optional upgrade kit for RC1-3 with RC locks
- Hinge side with pivot bearings, optionally possible with door hinges
- Optional hinge-side screw-in locks RC1-3

Technical details:

Backsets:30, 35 and 40 mm
 Bolt throw:20 mm
 Rod stroke:19 mm
 Follower:8 mm

Slim in Nobel Steel

Barrel Hinge RB-T

Sophisticated design

and innovative technology, as well as the consequent use of high-quality materials and precise surface – this characterises the WSS stainless steel barrel hinge. This new generation of door hinge combines aesthetics with technology, providing sophisticated and modern doors with a superior design.

Despite the appearance of delicate optics, no concessions have been made in terms of technology or functionality. Continuous welded hinge rolls with a 22 mm Ø, a stainless steel hinge pin with 12 mm Ø and polyamide slide bearing allow the use of door weights of up to 160 kg.

The barrel hinges are tested according to DIN EN 1935:2002-5, class 14 and are also internally tested with 1,000,000 movement cycles on our own certified test stand without objection.

As this door hinge is infinitely height adjustable ± 3 mm using an eccentric on



Rebate spacer adjustment with released fixing screws:

Rebate spacer in steps of 0.5 mm by adding or removing the spacer plates.



Height adjustment with released fixing screws:

Height adjustment ± 3 mm using a hexagonal height eccentric.



Inward opening version (fig. left)
Outward opening version (fig. right)

the supporting hinge, it can be adapted to suit different floor coverings.

The rebate space is adjusted using stainless steel spacer plates in 0.5 mm steps ± 1.5 mm. You only have to release the fixing serews on the leaf-side of the fixing plate.

Mounting with counter plates on the profile.

Technical features:

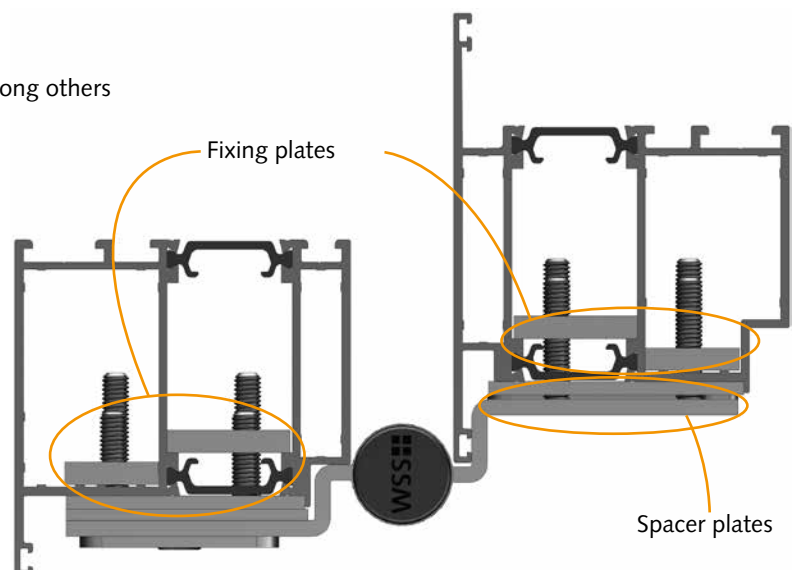
- Tested quality according to DIN EN 1935:2002-5 / class 14
- Infinite height adjustment
- Rebate space adjustment in steps of 0.5 mm
- 160 kg load capacity (with two hinges)
- Continuous seal
- Right/left use
- Hinge roll continuously welded
- Optional available in polished stainless steel

Technical details:

Height adjustment:..... ± 3 mm
 Rebate space adjustment: ± 1.5 mm
 Hinge roll: $\varnothing 22$ mm, length 171 mm

Profile:

TKI 755 opening inwards and outwards,
 TKI 071 opening inwards and outwards, among others



Stylish Appearance, Technology Included



Aluminium Barrel Hinge RB-R

Systematic development and proven technology

The barrel hinge for aluminium doors for the private and commercial building sector is captivating not only for its attractive and slim appearance. It is also the technical features that make the WSS barrel hinge so appealing to architects and others working with it.

Despite the variety of profile geometries that already exist on the market, WSS has created two barrel hinge models – inwards and outwards – that are suitable for a substantial proportion of door profiles.

The 20mm slim hinge roll made of extruded aluminium profiles and a 10mm Ø stainless steel hinge bearing bolt vouch for their stability and allow door weights of up to 250 kg.



The barrel hinges are tested according to DIN EN 1935:2002-5, class 16 (tested to draft standard DIN EN 1935:2012-08) and are also internally tested with 1,000,000 movement cycles on our own certified test stand without objection.

Equipped with plastic fixing brackets on the leaf side, additional cold bridges are excluded.

The new continuous height adjustment is achieved by an eccentric on the lever hinge part when the door is hung in place, as well as adjustment of the rebate gap. To do this, only the leaf-side fixing screws in the fixing brackets are loosened. Both adjustment options can be set using a visual display.

The coloured variants can be adapted to the overall design of the door system; in addition to all anodizing colours, WSS barrel hinges can also be supplied in all RAL colours.

Technical features:

- Tested according to DIN EN 1935:2002-5 / class 16
- Continuous height adjustment
- Rebate gap adjustment
- 250 kg load-bearing capacity (with three hinges)
- Direct fixing on the door frame
- No cold bridges
- Right/left use
- All anodizing and RAL colours possible

Technical details:

Height adjustment:..... ±3 mm

Rebate spacer adjustment: ±2 mm

Hinge roll: Ø 22 mm, length 182 mm

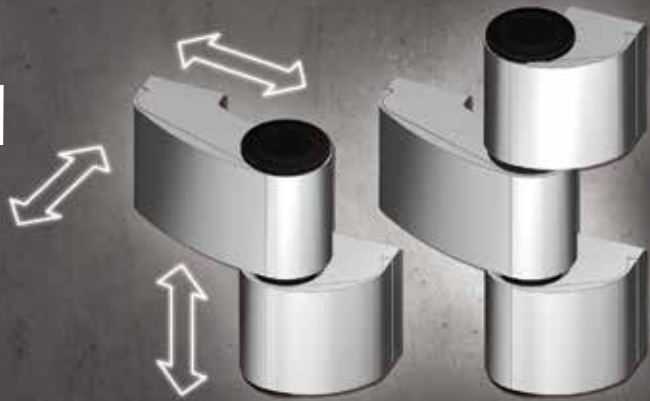


Inward opening model



Outward opening model

3D Dimensional adjustable



Aluminium Door Hinges 3D-PLUS



Flexible in all respects

The further developed 2 and 3-piece door hinge, 3D-PLUS is impressive due to its sophisticated design and its many potential applications for doors with a leaf weight of up to max. 180kg.

Direct screw connection, screw inserts or counter plate: Three different fixing techniques allow for the use of virtually any profile shape.

Our 3D-PLUS door hinges are also suitable for use with anti-burglar doors: SKG**, DIN EN 1627 RC2 (WK2) and SKG***, DIN EN 1627 RC3 (WK3).

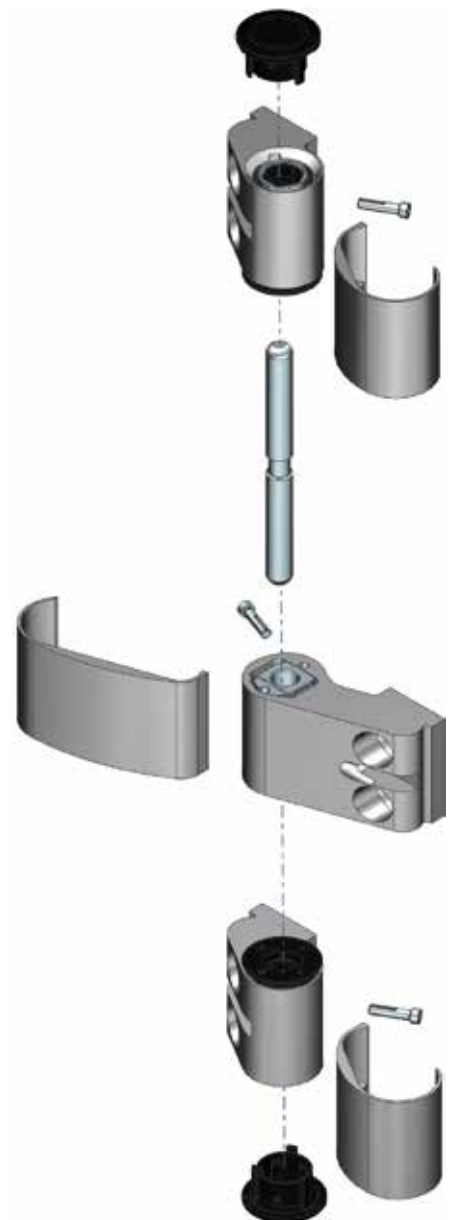
The colour versions can be matched to the overall design of the door system. In addition to all anodizing colours, WSS barrel hinges can be supplied in all RAL colours.

Technical features:

- Leaf weights of up to 180kg
- Quality-tested according to DIN EN 1935, class 13/14
- Infinite, three-dimensional adjustment
- Right/left use
- For 3, 5 and 10mm leaf projection
- Stainless steel hinge pins
- Maintenance-free plastic bearing bushes
- Rustproof materials

Areas of application:

Aluminium doors for private and commercial building sector, main entrance areas, side doors, internal doors, external doors, special-function doors



Three fixing options



Direct fixing using a screw:

- For inward and outward opening doors
- Replaces the mounting version "spacer sleeve with counter plate" for outward opening doors
- Ideal for retro-fitting or repair
- Fast assembly



Fixing with screw inserts:

- For inward and outward opening doors
- Replacement for bridging the insulating chambers with spacer sleeves
- Ideal for retro-fitting or repair
- Easy assembly



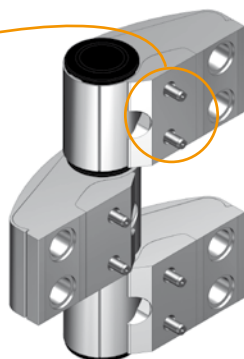
Fixing with counter plates:

- For inward opening doors
- For insulated and non-insulated profiles
- For pillar designs

Resistance Class RC3/SKG***

The use of chuck profiles hinders any breaking of the 3D-PLUS door hinges. Therefore, their resistance class increases to RC3 or SKG***.

3-piece hinge with interlocking anti-jemmy for anti-burglar doors.



The interlocking anti-jemmy is fitted to the hinge part and door profile using a coiled spring pin.



Standard model round



Special model angular





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