

It all hinges on excellence.

SIMONSWERK

Hydraulic hinge systems

for glass doors

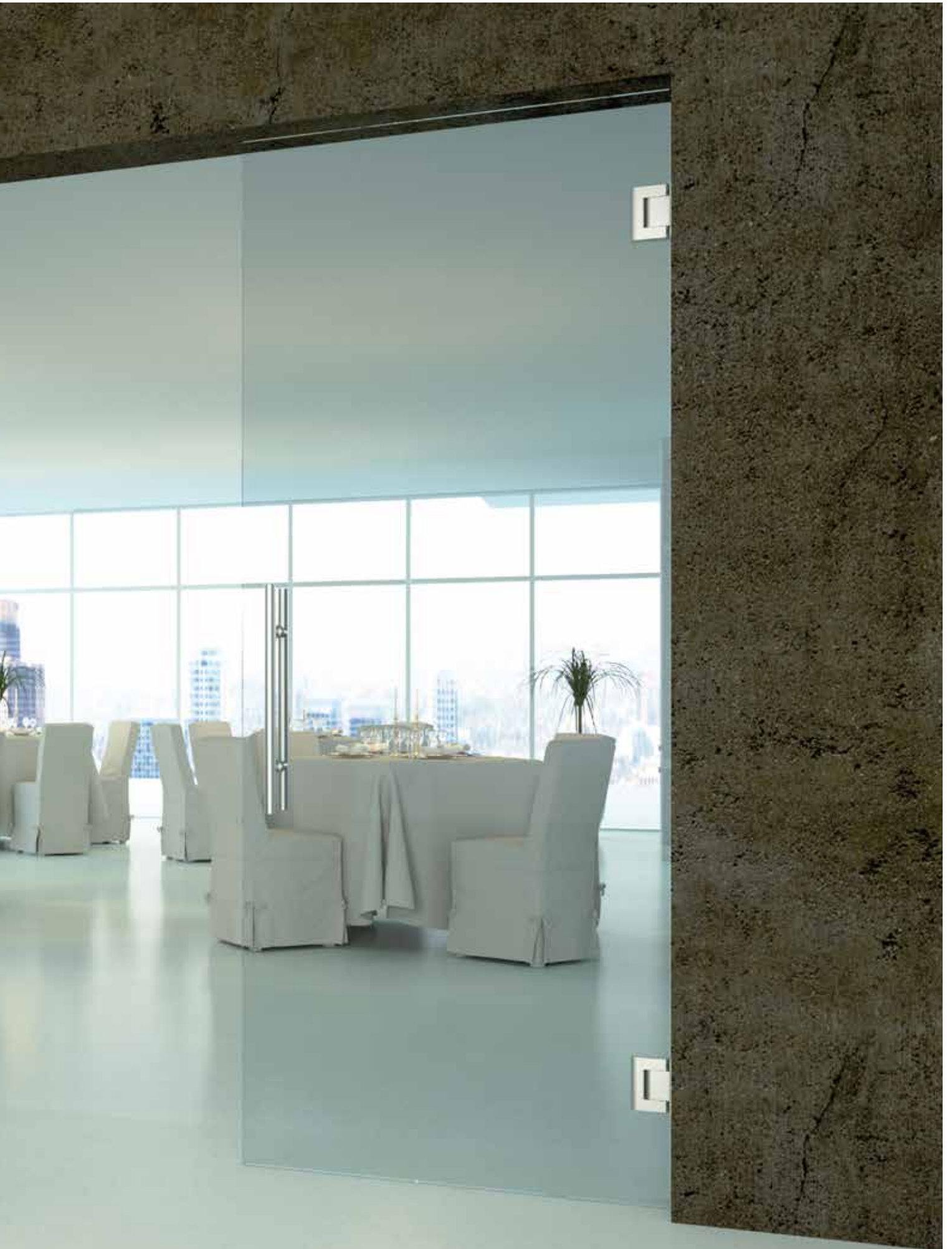


Hinges with integrated hydraulic self-closing system

Every object deserves its own style. This is achieved with our hydraulic door hinges on glass doors. Whether contrasting, homogeneous, eye-catching or restrained – thanks to the choice of materials, every passageway receives the accentuation that suits it.

At glass doors hydraulic hinge systems with self-closing function allow constant and controlled door closing and are characterized by versatility, safety, functionality and durability. Designed and manufactured for use on interior and exterior doors, all requirements for innovative door closers are met.





Ideal for upscale residential and commercial buildings

The hydraulic door hinges are versatile due to their strong characteristics. Whether in commercial or residential applications, on interior or exterior doors, the selection of screw-on and pivot hinges for double- and single-action doors as well as knuckle hinges for single-action doors allows flexible planning and a long service life.





In residential use hydraulic hinge systems complete architectural concepts.



Representative glass doors for the protected outdoor area receive the finishing touches due to hydraulic hinge systems.



Hydraulic door hinges are an ideal choice for commercial applications.



The hydraulic concept – hinges with door closing function

The integrated hydraulic damping system ensures a smooth and controlled closing process. There is no repeated swinging of the door in the zero position area. The doors can be realized with door push handles or with suitable latch lock and counter box. The glass door does not “slam”. The latch of the lock is quietly and safely pulled into the strike plate. This prevents damage to the glass, door hinges and lock, as well as noise pollution. A continuous adjustment on the hinge allows the individual adjustment of the closing speed to any door weight, any door width and the walking speed of the user (e.g. senior citizens and children) is possible. The hydraulic hinges are protected by international patents and have a TÜV certification in accordance with EN 1154:2006.

Advantages at a glance

- reduced risk of injury
- optimal for use in barrier-free areas
- use of a 3rd hinge possible
- large doors can be realized
- very easy and quick installation
- compatible with partition wall systems
- large variety of finishes
- suitable for damp locations
- possible applications for interior and exterior
- complementary functions possible, e.g. wind brake, zero position adjustment, adjustable end swing, etc.





- 1 – hydraulic closing
- 2 – adjustability device
- 3 – glass-to-glass installation
- 4 – wall-to-glass installation



Our product brands for glass doors

Our hydraulic hinge systems are defined by a clear and elegant design and are characterized by particularly high quality and functional reliability. Ease of installation, maximum performance and reliability are at the forefront in the development and production of the hydraulic hinge systems.

BILOBA - The hydraulic screw-on hinge system for glass doors

The hinge system for double- and single-action doors: The BILOBA screw-on hinge has an automatic self-closing function thanks to integrated hydraulic damping. It is internationally patented and tested in over one million opening cycles. The adjustable closing speed enables ideal adaptability to user needs.

EVO - The hydraulic knuckle hinge system for doors

EVO is the hinge for single-action doors with an elegant knuckle hinge look. Thanks to the hydraulics housed in the hinge, the self-closing door hinge takes up considerably less space than a screw-on hinge. As a result, its reduced design enhances the effect of the door leaf. It is suitable for both interior and exterior applications protected from driving rain.

VERTO - The hydraulic pivot hinge system for doors

VERTO, the hydraulic hinges for pivot doors, ensure automatic, constant and controlled closing of the door with adjustable speed. The hinges have a puristic design and are suitable for quick and easy installation in any environment.



BILOBA

The hydraulic
screw-on hinge system
for glass doors



BILOBA – the hydraulic screw-on hinge system for glass doors

Thanks to a wide variety of finishes and an individual, aesthetically high-quality design, the classic door hinge BILOBA for single- and double-action doors is suitable for many application areas.

Wide range of applications

BILOBA comes into its own in office and administrative buildings as well as in showrooms, museums or sophisticated catering establishments.



Central or offset glass-wall installation is possible. In addition, there are various high-quality finishes to choose from.

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As a glass-glass version with central fixing, BILOBA supports transparent room concepts, for example in offices.

In demanding objects, where a smooth and controlled closing sequence is required, BILOBA with its integrated hydraulic damping is the best choice.

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Thanks to a continuous regulation, the individual adjustment of the closing speed to any door weight, door width and the walking speed of the users is possible.



The installation of BILOBA is worthwhile wherever controlled self-closing of doors is required by law or for technical reasons.

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The doors are effortlessly opened manually and close automatically at the set speed.

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EVO

The hydraulic
knuckle hinge
system for doors



EVO – the hydraulic knuckle hinge system for doors

EVO is the elegant hinge system for one-sided opening glass doors in classic knuckle hinge look.

First choice for office and administration

EVO is primarily installed in office and administration buildings. However, the door hinge is also excellent for separating specific areas in medical practices or in high-end residential buildings, such as large apartments with a lot of space. EVO is even used in saunas and many other areas.

EVO for single-action glass doors is the first hinge system with adjustable closing and constant brake control.





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Especially when glass-glass fixed, the shock absorber with integrated overpressure relief becomes a special equipment feature, because it prevents breakage in case of accidental tugging.



The door hinge with adjustable closing and constant brake control for glass doors is suitable for all opening angles up to 180°.

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In high-end residential construction, the door hinge allows reliability and aesthetic quality in every detail.



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The hinge system EVO is excellent for separating specific areas.



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EVO is primarily installed in office
and administrative buildings.

VERTO

The hydraulic
pivot hinge system
for doors



VERTO – the hydraulic pivot hinge system for doors

Pivot hinges for single- and double-action use: VERTO's purist look predestines the hinges for installation in any type of environment, both outdoors and indoors, on glass doors. At the same time, they support a high-quality architectural concept with the authentic door material glass.

Elegance, flexibility, design freedom

The different versions are used on doors in residential areas as well as on heavy-duty doors and ensure controlled closing of the door in any case. The portfolio also includes completely concealed hinges for flush room constructions, for example in shopping centers, office and commercial buildings.



←

The hydraulic hinge VERTO with glass-wall fixing is used in many high-quality projects.

VERTO for heavy double-action glass doors up to 150 kg with integrated self-closing function convinces with the elegant, minimalist design. Shock absorbers and extremely strong braking ensure controlled, low-noise operation of the door.

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This hydraulic door hinge invisibly ensures automatic closing of the door. It combines technical efficiency and innovation in an exclusive door hinge system.





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Oversized, heavy glass doors can be easily realized with VERTO.



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VERTO is suitable for coherent concepts in the interior.



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For flush elegance, this hydraulic door hinge disappears completely into the rebated profile and can be adapted to any project on request. The upper and lower fittings are combined to form a single unit.



On doors for the protected outdoor area, maximum transparency between indoors and outdoors can be achieved thanks to VERTO.

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Standard finishes



02 | Natural anodized



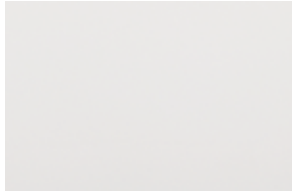
05 | Black anodized



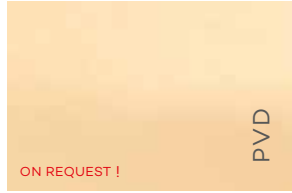
13 | Imitation satin stainless steel



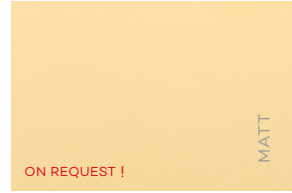
14 | Polished chrome



15 | Matt gray coated



16 | Imitation polished gold



17 | Matt gold coated



22 | Anodized 20 micron



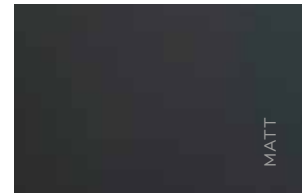
31 | Satin stainless steel



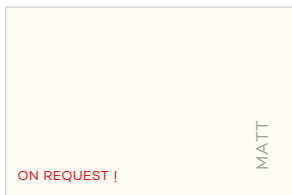
32 | Polished stainless steel



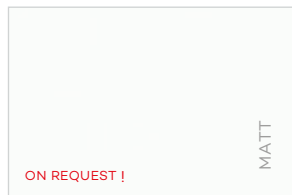
47 | Fine-polishing finish



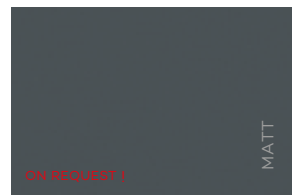
62 | RAL 9005 | Liquid electrostatic coated



RAL 9010 | Liquid electrostatic coated



RAL 9016 | Liquid electrostatic coated

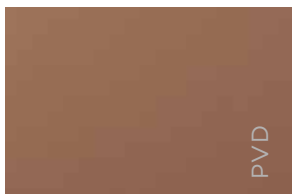


RAL 7016 | Liquid electrostatic coated



COL02 | Finish Folder

Special finishes



66 | Polished bright bronze



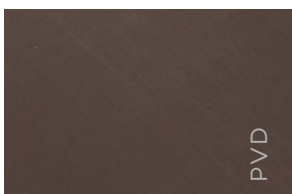
67 | Satin mat bronze



68 | Polished bright champagne



69 | Satin mat champagne



70 | Polished bright gunmetal grey



71 | Satin mat gunmetal grey



RAL | Liquid electrostatic coated



COL03 | Special Finish Folder

PVD – Physical Vapour Deposition

Metal coating that ensures: exceptional resistance to abrasion, resistance to oxidation, innovative and durable colouring.

Ask our sales dept for minimum order, for a quotation and delivery time.

Guide to choose the finishes

Finishes	Internal				External			
	Alu	Brass	Zamak	Inox	Alu	Brass	Zamak	Inox
Natural anodized 02	4				4			
Black anodized 05	4				4			
Imitation satin stainless steel 13	4	4	4		2	4	4	
Polished chrome 14	4	5	4		3	5	4	
Matt gray coated 15	4	5	4		3	5	4	
Imitation polished gold 16	4	4			2	4		
Matt gold coated 17	4	4			4	4		
Anodized 20 micron 22	5				5			
Satin stainless steel 31				5				5
Polished stainless steel 32				5				5
Fine-polishing finish 47	4				4			
RAL 9005 Liquid electrostatic coated 62	4	4	4	4	4	4	4	4
Polished bright bronze 66	4	4			2	4		
Satin mat bronze 67	4	4			2	4		
Polished bright champagne 68	4	4			2	4		
Satin mat champagne 69	4	4			2	4		
Polished bright gunmetal grey 70	4	4			2	4		
Satin mat gunmetal grey 71	4	4			2	4		
RAL MATT Liquid electrostatic coated RAL	4	4	4		4	4	4	

Legend

Corrosion resistance: 1 low – 2 moderate – 3 high – 4 very high – 5 excellent

All patch fittings with body in "22" finish and stainless steel covers have a strength of 5. In the case of aluminum covers the resistance is indicated in the table above.

Caution

For installations in particular environments or climate (ex. wet, acid, saline) consult sales office first.

External doors

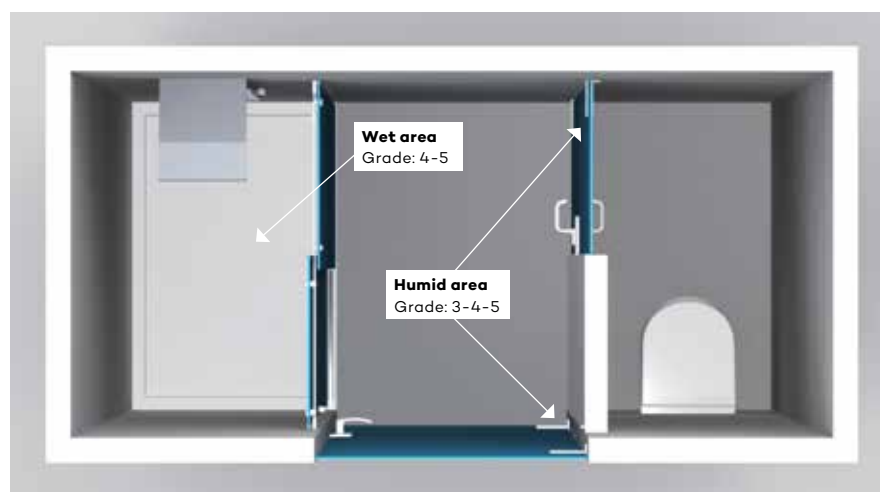
The finishes available are : 22 – 31 – 32 – RAL – 62

Not recommended finishes are : 02 – 05 – 13 – 14 – 15 – 16 – 17 – 47

Damp rooms

Wet area: spaces in direct contact with water

Humid area: spaces not in direct contact with water but humid



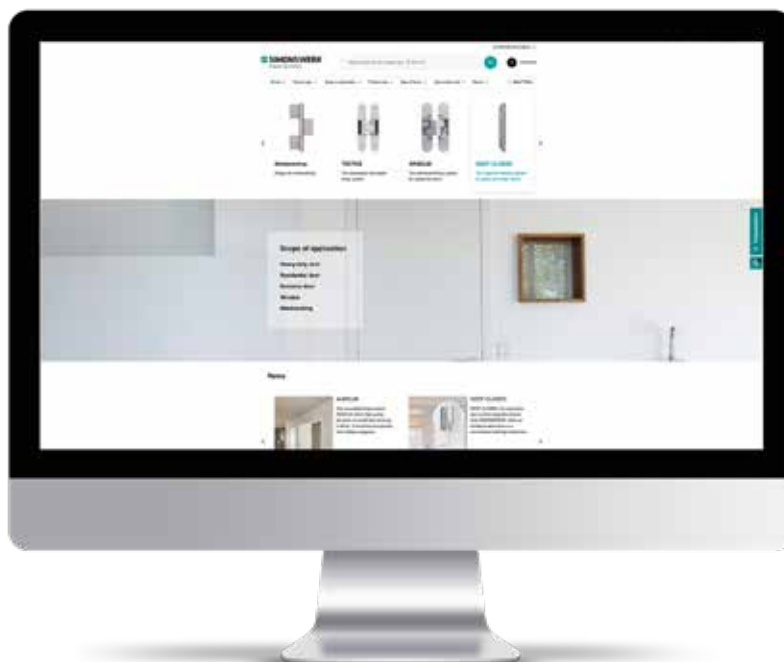
Service – comprehensive expertise for your daily work

We are happy to provide you with all the documentation you need to determine the most suitable hinge system for your building project. Please contact us: we would be delighted to work with you to choose the best solution – from high-quality standard elements right up to the most complex solutions.

All our brochures and data sheets can be requested in a printed version, or you can simply download them on the spot.

Our friendly and knowledgeable application engineers will be pleased to help you and advise you.

www.simonswerk.com





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