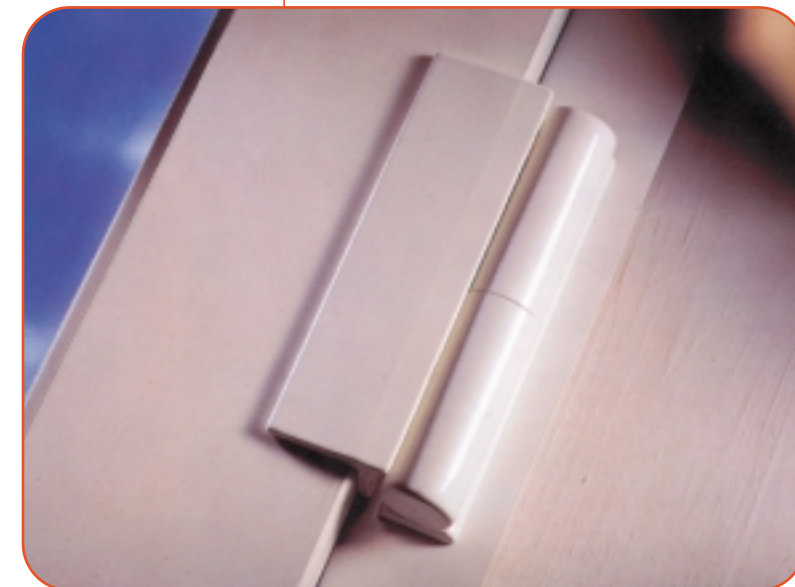
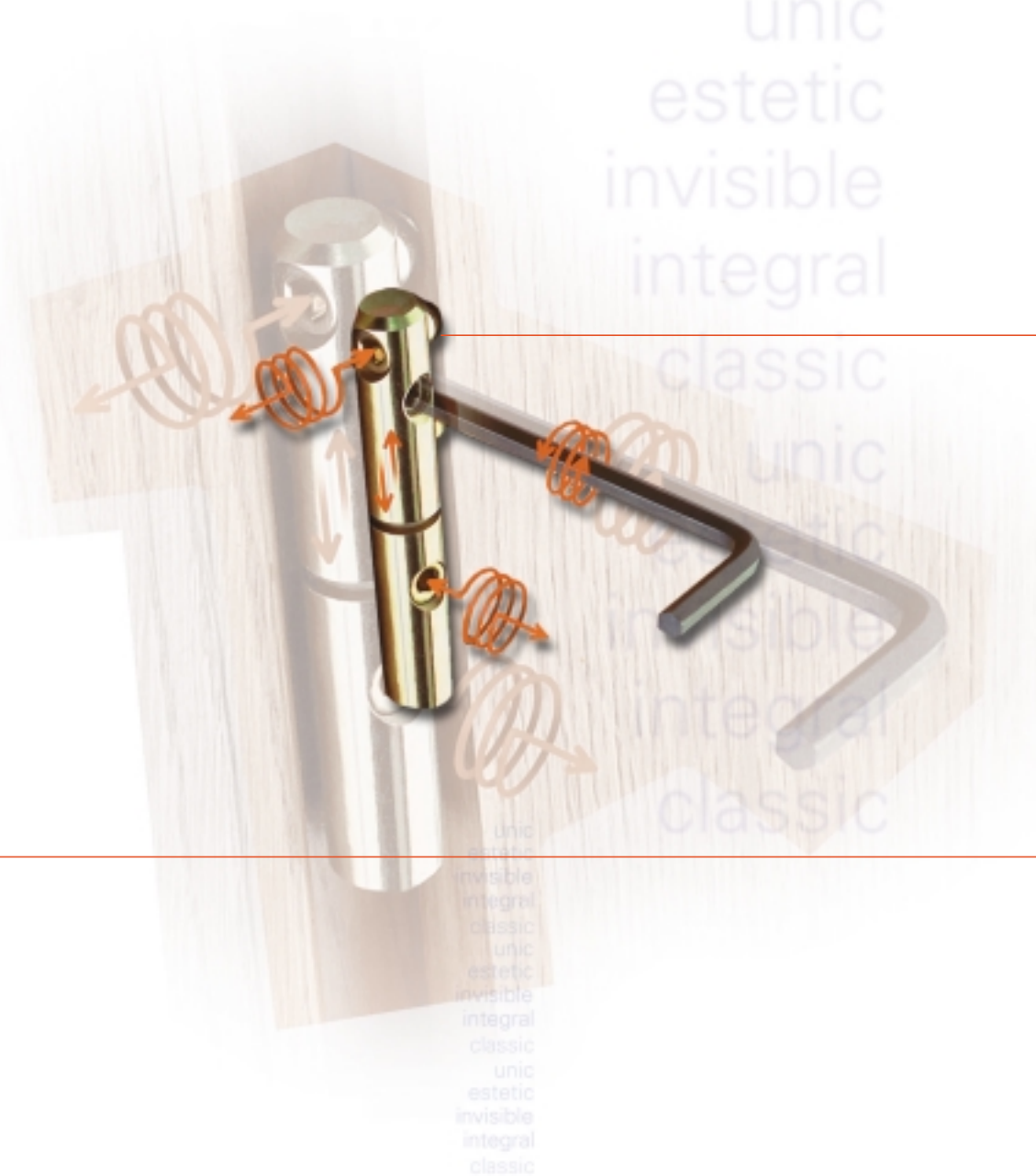


Exclusive range of hinges from SFS intec



unic
estetic
invisible
integral
classic
unic
estetic
invisible
integral
classic
unic
estetic
invisible
integral
classic
unic
estetic
invisible
integral
classic



About SFS

The SFS intec Group is an international manufacturer of fastener and hinge solutions for the world's window and door industries.

With operations in the UK, Switzerland, Italy, France, Germany and the USA, the group invests over £20 million each year in product design, development and enhancements to manufacturing plant and equipment.

The group is renowned not only for its commitment to innovative product design, but is also recognised for the quality and extent of its technical support. Window and door fabricators can benefit from comprehensive product and technical training - delivered on site or at the group's technical centre at its UK headquarters in Leeds.

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The hinge range

Hinges for PVC-U doors



Classic 1D



Classic 2D



Unic 3D



Estetic 1D



Estetic 2D,
2Di & 2D-20

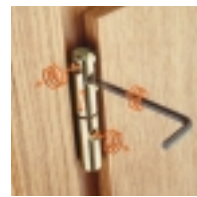


Estetic 3D

Hinges for timber/composite doors



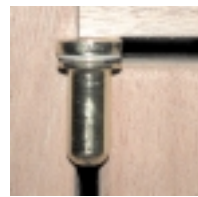
11R Flush door hinge



Integral self-closers

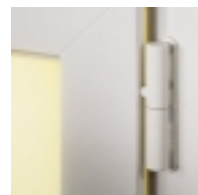


Invisible hinge



Semi-invisible hinge

Hinges for PVC-U windows



169 window hinge

Selector chart

Feature	Classic 1D	Classic 2D	Estetic 1D	Estetic 2D	Estetic 3D	Unic 3D	CIR Invisible	CAB Semi-invisible	Flush-fit hinge	169 window hinge
for PVC-U	✓	✓	✓	✓	✓	✓				✓
for timber							✓	✓	✓	✓
for composite							✓	✓	✓	
1D horizontal adjustment			✓							✓
1D height adjustment	✓									
2D height and horizontal adjustment		✓		✓					✓	
3D adjustment					✓	✓	✓			
Gasket pressure adjustment					✓	✓	✓			
Self-closing mechanism available			✓	✓	✓				✓	
Invisibility							✓			
Semi-invisibility								✓		
Colour options	✓	✓	✓	✓	✓	✓				✓
Decorative caps									✓	
Security features	✓	✓	✓	✓	✓	✓			✓	✓
Fitting jig available	✓	✓	✓	✓	✓	✓			✓	✓
10 year guarantee	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Classic 1D

The height adjustable hinge

With their strength and durability, all Classic hinges are designed to meet the most frequently required options for adjustability:-

Strength & durability - steel frame and sash barrel sections

Corrosion-free components - outward opening version features austenitic stainless steel hinge pin and grub screws

Squeak-free operation - self-lubricating nylon bushes need no maintenance for the service life of the door

Height adjustable - remove the door from the frame then adjust height by 2mm if required

Colour options - available in white and brown as standard. Other colours available subject to order volume

Simple to fit - with system specific drill jigs.



Classic 2D

Variable height horizontal adjustment

Classic 2D includes all benefits of the Classic 1D, but with additional features:-

Unique height adjustment - remove the door from the frame then adjust the height in 2 x 2mm steps

Horizontal adjustment - in 1mm steps, -2mm to +10mm

Simple to fit - with system specific drill jigs and claw insertion tool.



The modular approach

To provide maximum versatility, the Estetic range is available in modular packages. You simply mix and match plates, caps and colours to create the desired hinge effect.

Whichever you choose, all Estetic hinges allow for easy adjustment in tight plasterline applications.

Estetic 1D

The Estetic range combines the practicality and performance of the very best in face fit hinges, with the aesthetic appeal of the most stylish butt hinge option:-

Stylish design - Estetic's neat appearance blends with the door system for added appeal

Trouble-free horizontal adjustment - direct screw action adjustment with no need to remove the door

Versatility - Estetic is suitable for both inward and outward opening applications

Strength durability - steel frame and sash barrel sections

Simple to fit - system specific drill jigs allow for the preparation of door sash separate from door frame

Colour options - available in white, brown and light brown finish. Other colours subject to order volume.

Estetic 3D

Estetic 3D offers all the benefits of the 1D and 2D options but with even greater adjustability:-

Horizontal, height and gasket adjustment - with no need to remove the door

Added security - for outward opening applications a security grub screw gives extra security

Extended colour options - white, brown, light brown, light beige, light grey and black/brown as standard.

Estetic 2D

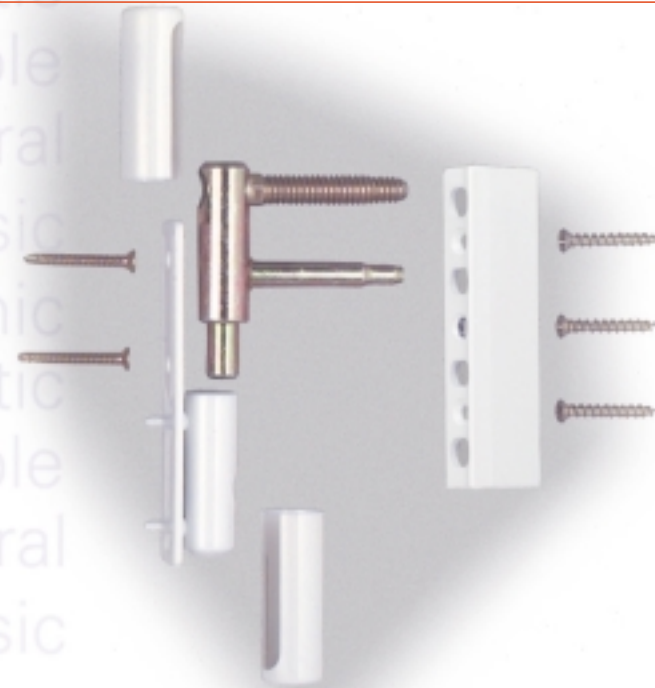
Estetic 2D offers all the benefits of the 1D option and is ideal for use where gasket pressure adjustment is not required:-

Horizontal and height adjustment - with no need to remove the door

Simple to fit - with system specific jigs

Colour options - white, brown, light brown, gold, light beige or light grey.

Special adaptations of this product are available for specific applications, such as high-stack profiles (2D-20), or for the Irish market (2Di).



SFS intec provides users with the opportunity to combine all the aesthetic appeal of the Estetic range, with a self-closing function - see pages 10 and 11.

Estetic 2 & 3D self-closing system

The new SFS self-closing door system combines the technical performance required by architects and door producers with the aesthetic appeal demanded by the user.

With dimensions to match exactly the styling of the Estetic hinge range with which they combine, the self-closing door mechanism is easy and quick to fit and offers optimum adjustability.

Ideal for applications where space is limited, the hinge allows a standard door to become a self-closing door with the minimum of fuss.



Unic 3D

Optimum adjustability - maximum security

Renowned as one of the most sophisticated door hinges available, the acclaimed Unic 3D offers unrivalled performance and ease of application:-

Total adjustability - on the door adjustment for horizontal, height and gasket pressure. Even adjustable in tight plasterline applications

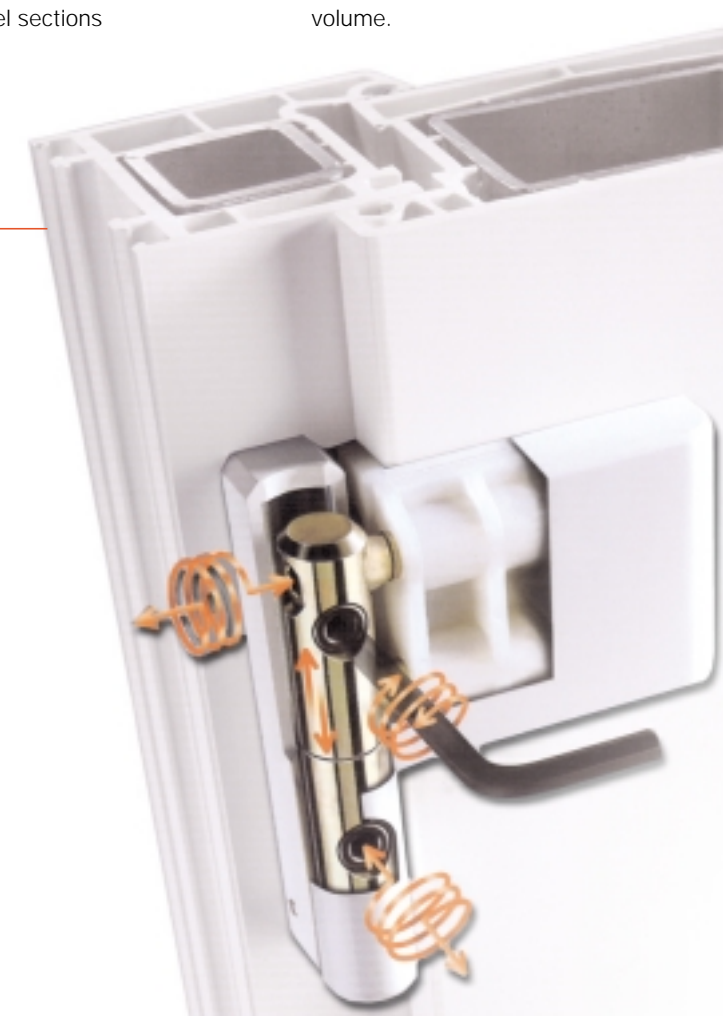
Secure fixing - always fastens into steel reinforcement on both frame and sash

Strength and durability - steel frame and sash barrel sections

Added security - for outward opening applications, a security grub screw gives extra security

Simple and quick to fit - universal jig system suits the majority of current UK door systems. Multiple jigs can be mounted on a bar to save preparation time

Extended colour options - available in white, brown, light beige, light grey and black/brown as standard. Other colours, such as gold, available subject to order volume.



Composite and integral self-closing system

For composite and timber frames

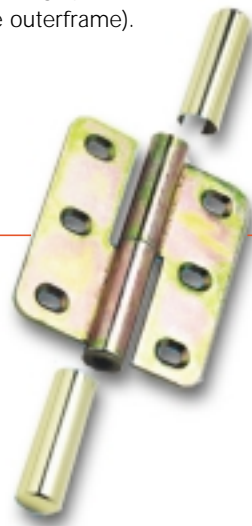
Two versions, designed specifically for flush-fit doors, have been added to the SFS intec self-closing door system range.

The range is available in kit form. Kits include two adjustable hinges and one self-closing mechanism with decorative caps, brass, nickel or matt nickel finish.

Both systems have been tested and approved to 100,000 cycles with doors weighing up to 60kgs.

This hinge is ideal for use in flush-fit door applications like traditional UK internal and external doors.

Height adjustment to 5mm is provided by means of a 5mm hexagonal screw mechanism. 0.5, 1.0 and 2.0mm spacers provide the scope for horizontal adjustment in 0.5mm increments by simply loosening the mounting screws and withdrawing the required spacers. (Allowance needs to be made for accommodating spacers when routing the outerframe).



Decorative caps

Never before has the customer had so much choice in style.

The SFS range offers the ultimate in customised elegance with its range of door hinge decorative caps in a variety of colours, finishes and styles:

Flat caps (standard) - in white, brown, black, brass, nickel, matt nickel or matt chrome

Domed caps - brass, nickel, matt nickel, matt chrome

Baroque caps - bronze, brass, lacquered brass (for exterior applications).



Invisible and semi-invisible

Invisible CIR hinge

Uniquely, SFS intec offers a hinge mechanism which is totally concealed when the door is closed.

Designed for use with automated production doors where the door leaf and frame can be consistently routed, the invisible CIR hinge allows for fine adjustment of +/- 1.5mm in both horizontal and front-to-back planes.

Doors require only two hinges - one in the top and one in the bottom corner. Hinges are available in a choice of frame cover finishes - white, brown, black, brass or chrome.



Semi-invisible CAB hinge

Requiring only simple routing of door and frame, the semi-invisible CAB hinge sits discreetly within the door assembly with only a tiny area of the hinge visible at the top and base of the door.

The stylish high-performance hinge is adjustable horizontally by removing the spacer bar which is installed behind the frame section.



169 window hinge

For outward opening windows

Article 169 is a high-performance steel hinge widely used throughout mainland Europe for outward opening casement windows.

The two-part hinge is typically used as an alternative to friction hinges and is ideal for use where a full 90° opening is required, especially where there is a fire escape or egress requirement.

Long life, low-maintenance, 169 window hinges are secure too.

A special anti-lift feature ensures that they can only be lifted on or off in one position, a feature especially useful for top-hung applications.

Threaded studs allow for easy adjustment of the sash within the outer frame.



Door security and PAS024

All SFS hinges are precision engineered to deliver optimum mechanical performance.

However, hinges are not intrinsically security devices. Whilst doors fitted with SFS intec hinges have successfully achieved PAS024 ratings, we strongly recommend that, where applicable, additional purpose-designed security devices are fitted.

SFS is happy to provide advice on appropriate security measures for individual applications.

Guarantees and certifications

SFS intec hinges are guaranteed for a period of 10 years.

Hinges should be fitted in accordance with the following criteria:-

The correct jig system as advised for use by SFS intec personnel must be used as demonstrated.

A minimum of three hinges per door leaf. Door leaf moving mass should not exceed 80kg.

Doors to be installed into a normal domestic environment.

Any change to door profile to be notified in writing to SFS intec Ltd.

Guarantee does not include damage caused by failure of fasteners attaching the hinge to the profile, unless those fasteners are supplied by SFS intec Ltd.

Guarantee does not cover damage caused by contact with chemicals.

Any failure of hinge to be notified to SFS intec Ltd in writing before remedial action is taken.

