

ZERO*plus*
SLIMPORT

SLIMPORT CIRCULAR VISION FRAMES

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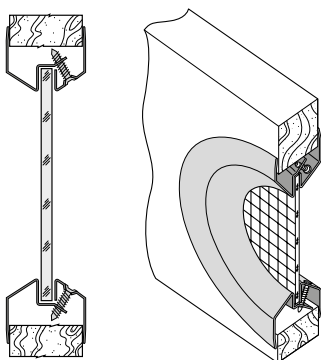


SLIMPORT

Slimport circular vision frames with their clean lines enhance the appearance of any door. This slim low profile flush fitting design is available in stainless steel, or zinc plated mild steel ready for colour coating. Now practical vision requirements need not compromise aesthetics. Slimport vision frames with their unique concealed fixing design are the answer, ideal for luxury office suites, corridor doors, classrooms etc.

The fixings are around the bevel and not directly on the face – this improves the aesthetics. The flush fitting rim is ideal for ‘clean room’ situations. Fixing on one side only prevents unauthorised tampering yet, in the event of glass breakage, allows easy replacement. It also leaves the corridor side totally free from visible fixings.

The **ZERO***plus* top selling Slimport is available to suit four different door cut-outs: 250mm, 350mm, 450mm and 550mm, with the clear vision being 50mm less in each case. The 25mm fixing screws pass through the door cut-out and fasten to the opposite side of the vision frame, eliminating the need to drill the door for through fixing bolts. They are designed for flush fitting to both steel and timber doors.



Each set is supplied complete with all fixing screws and instructions. Glazing tape, intumescent aperture liners and glass should be ordered separately.



DOOR THICKNESS OPTIONS

Slimports are available to suit the four most popular door thicknesses of 40mm, 44mm, 50mm and 54mm with a tolerance either way of ± 2 mm. The glazing pocket is 10mm wide (± 2 mm in relation to the door thickness) to accommodate generally 6mm thick glass and appropriate glazing tape. Examples given below based on the '250' size, but please note not all door thickness variations are available in all four sizes so please check with us before ordering.

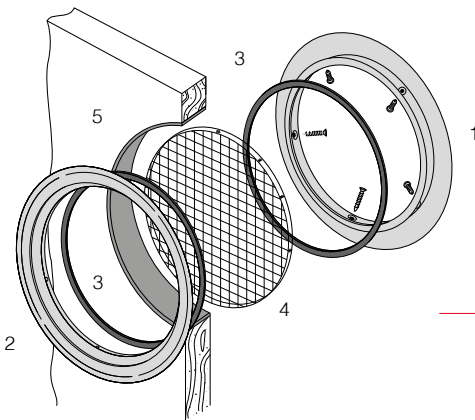
- SP250.40-SS two-part ring set to suit 38-42mm thick door and 6mm glass (glass central in door)
- SP250.44-SS two-part ring set to suit 42-46mm thick door and 6mm glass (glass central in door)
- SP250.50-SS two-part ring set to suit 47-51mm thick door and 6mm glass (glass offset in door)
- SP250.54-SS two-part ring set to suit 52-56mm thick door and 6mm glass (glass central in door)

GLAZING OPTIONS

Glass is available in four diameters to suit the four diameters of Slimports. Glass size is 27mm less than cut-out size for each diameter. Slimports have a 10mm glazing pocket to accommodate glass and glazing tape, so it is important to use glass nominally 6mm thick (i.e. 5-7mm thick) to leave enough space to accommodate the glazing tape. We stock a wide range of glass for both fire rated and non-fire rated applications.

REFERENCE	223mm \emptyset	323mm \emptyset	423mm \emptyset	523mm \emptyset
6.4mm thick laminated clear safety glass (non fire rated)	lam223	lam323	lam423	lam523
7.2mm thick clear georgian wire plate safety glass (30 minute fire rated)	gwp223	gwp323	gwp423	gwp523
6.0mm thick clear modified toughened fire resistant glass (60 minute fire rated)	pct223	pct323	pct423	pct523
9.0mm thick clear laminated glass ceramic (240 minute fire rated)	fir9223	fir9323	fir9423	fir9523

Clear glasses can be supplied frosted to give opaque appearance for store rooms and toilet lobbies. The glass can also be etched with corporate logos (to order) or with sex and disabled toilet symbols.



- Key:
- 1 Slimport Vision Frame (part A)
 - 2 Slimport Vision Frame (part B)
 - 3 Glazing Tape
 - 4 Glass
 - 5 Aperture Liner

GLAZING TAPE

For each Slimport application, be it non-fire rated, fire rated timber doors or fire rated steel doors, self-adhesive glazing tape must be fitted to both sides of the glass before it is sandwiched between the two parts of the Slimport vision frame. A wide range of thicknesses are available to suit slightly different door and glass thicknesses.

For non-fire rated doors you will need to use the GT range of closed cell polyvinyl chloride foam tapes.

For fire rated timber doors requiring up to 60 minute integrity, and fire rated steel doors requiring up to 240 minutes integrity, use FS9009 ceramic type glazing tape which ensures the glass does not slump at higher temperatures. This tape is non-carcinogenic.

APERTURE LINER

On non-fire rated doors it is simply a case of cutting the correct diameter hole in the door and fitting the Slimport with glass and GT foam glazing tape.

On fire rated steel doors this remains the case, although the GT foam glazing tape is upgraded to FS9009 ceramic type glazing tape.

However on fire rated timber doors, as well as using FS9009 “ceramic type” glazing tape, it is also necessary to line the aperture with a FS4004 1.6mm thick intumescent liner. In the event of fire the FS4004 begins to expand at 288°C and expands 80 times its volume to ensure that the integrity of the door is maintained. The liner is supplied with PSA pressure sensitive adhesive tape, and is available 44mm wide for 30 minute fire doors and 54mm wide for 60 minute fire doors. **NO TIME CONSUMING HARDWOOD DOOR LIPPING IS NECESSARY.**

FULLY FIRE TESTED

Mild steel and stainless steel Slimport glazed vision panel systems are assessed for use on previously successfully fire tested timber based doorsets up to 60 minutes and insulated and uninsulated steel based doorsets (mild steel, galv steel and stainless steel) up to 240 minutes with respect to BS EN 1634-1: 2000 and/or BS 476: Part 22: 1987. WF Assessment Report No 190869 Issue 5 dated 22.10.2010 refers. Copy available upon request.

Slimport frames must be used in the same configuration as tested with an aperture of the same size as that proposed being used (vision or louvre acceptable). Doors must have been previously tested to the relevant standard. All four sizes of Slimport are covered by the assessment, as are mild steel and stainless steel frames. Some glasses are assessed to EN, but others have BS approval only. See Report for full listing.

FS9009 “ceramic type” glazing tape and FS4004 intumescent aperture liners should be used on timber doors. FS9009 “ceramic type” glazing tape should be used on steel doors.

If Slimports are being specified for fire rated doors, it is important to use the glass, glazing tape and intumescent liners in the combinations as detailed in the Report.

ACOUSTICS

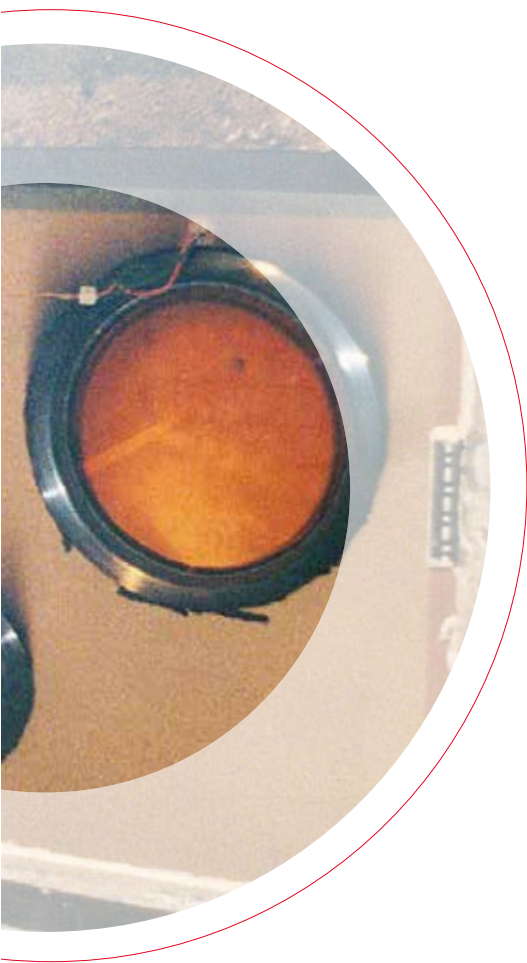
Slimports have also been extensively tested for sound. The complete Slimport-STC set which consists of the Slimport vision frame, Sound Sealing Tape, glazing tape and glass has been included in acoustic tests up to 36dB. Various types of glass have been tested with the Slimport to give a wide range of acoustic options. A copy of test report WYC394711 is available upon request.

CORROSION TESTED

Stainless steel Slimports have been successfully tested to Grade 4 (240 hours neutral salt spray exposure) and classified as very high resistance, in accordance with BS EN 1670:2007 Building Hardware – Corrosion Resistance. Report No. WIL 392103 dated 30.01.2018 refers. Copy available upon request.

SPECIFICATION

Product Ref.	Door cut-out	Visible light	Glass diameter	Outside frame	Aperture circumference
SP250	250mm	200mm	223mm	285mm	785mm
SP350	350mm	300mm	323mm	385mm	1100mm
SP450	450mm	400mm	423mm	485mm	1415mm
SP550	550mm	500mm	523mm	585mm	1729mm

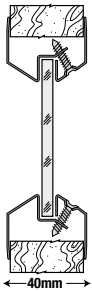


MATERIAL & FINISH

GV:	18 GA mild steel, zinc plated finish (for colour coating)
SS:	Grade 304 stainless steel, satin finish
PS:	Grade 304 stainless steel, polished finish
CP:	18 GA mild steel, chrome pearlite silver plated (to match SAA)

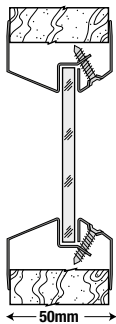
Note: not all finish options are available across the full range, so please check before ordering.

Standard Slimports are manufactured to suit 44mm thick and 54mm thick doors, in four diameters and in both mild steel and stainless steel. They all offer a 10mm glazing pocket to accommodate 5mm to 7mm thick glass and glazing tape to both sides of the glass. However over the years we have modified tooling and introduced variants, these are shown below.



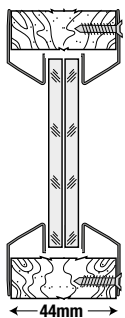
TO SUIT 40MM THICK DOORS

Many Continental doors are 40mm thick, so we have developed products to suit this door thickness. These products are only currently available in 250mm, 350mm and 450mm diameters in zinc plated mild steel and satin stainless steel. These are the same design as our standard self-attaching sets with fixings visible one side only. For sufficiently large enquiries, other finishes and sizes may be available.



TO SUIT 50MM THICK DOORS

Some Scandinavian door manufacturers supply 49-50mm thick doors, and we are able to supply Slimports to suit this door thickness by taking one half of a 44mm set and the other half of a 54mm set and putting them together. This does mean the glass is slightly offset in the door but this is barely noticeable once the Slimport is mounted in the door. Please notify us if you are ordering 50mm Slimports for pairs of doors or multiple units for a single door, and we will ensure that they are matching offset.



TO SUIT DOUBLE GLAZED UNITS

As a general rule, Slimports are designed with a 10mm glazing pocket to suit 5-7mm thick glass and glazing tape generally 1.6mm thick fitted to both sides of the glass. However where thicker double glazed units are being used we can offer a 450mm diameter set that offers a 24mm glazing pocket on a 44mm thick door. This will suit 18- 20mm thick double glazed units with glazing tape. It consists of two identical Part A rings spun to be only 10mm thick (rather than the usual 20mm). Because of this, the fixing method is different to standard Slimports.

The zinc plated mild steel Part A rings are supplied undrilled and one side is usually welded (or screwed) in first, and then the double glazed unit fitted. It may be necessary to provide a seat for the double glazed units as the vision rings themselves will provide no support. Finally the second ring is drilled through the flat face and screwed into place.

The clear vision is 400mm, and the usual cut-out for this product is 450mm but it will be less in this instance; a 435mm diameter cut-out is recommended. Please note these units have not been fire tested. Double glazed units should be ordered at 430mm diameter, with the maximum edge distance specified as 13mm.



TO SUIT WALLS

Although the Slimport has been designed for doors, we now offer an SP450 size set for walls. The set consists of two pre-drilled 10mm thick zinc plated mild steel Part A Slimport rings, a wall sleeve, two pieces of 6.4mm laminated safety glass and double sided adhesive security glazing tape. The wall sleeve is fitted within the hole in the wall and then a piece of safety glass is secured to the sleeve's flanges at both ends with the security glazing tape. Each Slimport ring is then screw fixed to the face of the wall on both sides, with security glazing tape mounted to the inner flange. Upon tightening the inner flange of each ring compresses up against the glass to provide a secure fix. Each ring has six countersunk mounting holes, fixings not supplied.

The set will give a clear vision of 400mm diameter with the Slimport rings having an outside frame diameter of 485mm. The cut-out in the wall has to be 430mm diameter. The wall thickness should be a minimum of 60mm and be specified at the time of ordering; we will then manufacture the set to suit. A minimum quantity of 20 sets is required and manufacturing lead times should be allowed. Please note these units have not been fire tested.



SPECIAL FINISHES

Slimport vision frames as standard are available in the four finishes as previously mentioned. However, we can supply a range of specialist coloured finishes. These coloured Translucent Lacquers can be specially applied to both the zinc plated mild steel Slimports and the satin stainless steel Slimports. These modern bright reflective finishes make a real statement to complement a coloured décor. Minimum quantities apply.



Raising Standards
Safety Assured

Cert No. 51091

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