

SLIMPORT

CIRCULAR VISION FRAMES



ZERO*plus*

Round Metal
Portholes
For Doors





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Slimport circular vision frames with their clean lines enhance the appearance of any door. This flush fitting design is available in stainless steel, or zinc plated mild steel ready for colour coating or special finishes as shown on page 5. 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.

The ZEROplus top selling Slimport is a circular vision frame for installation in doors, walls and partitions. It is available to suit four different door cut-outs: 250mm, 350mm, 450mm and 550mm. With countersunk holes in the bevel return on one side only, and 25mm screws that pass through the door cut-out and fix internally, the Slimport looks good aesthetically, and is totally free from visible fixings on the corridor side.

All the features at a glance:

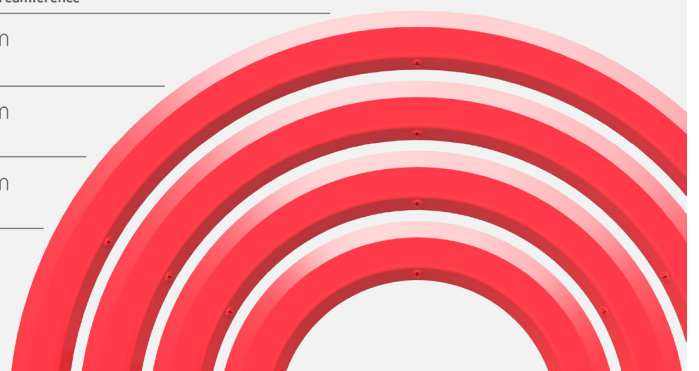
- Concealed fixing one side
- Range of sizes
- Fully fire tested
- Variety of finishes
- Suits various door thicknesses
- Wide range of glass options

The Slimport low projection porthole offers concealed fixing one side, and screw fixing through the bevel on the other side. The 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. The door cut-out should be the same size as the order size of the vision frame i.e. 250mm, 350mm, 450mm or 550mm.

	Cut Out	Visible Light	Glass Diameter	Outside Frame	Aperture Circumference
SP550	550mm	500mm	523mm	585mm	1729mm
SP450	450mm	400mm	423mm	485mm	1415mm
SP350	350mm	300mm	323mm	385mm	1100mm
SP250	250mm	200mm	223mm	285mm	785mm

Slimport Sizes



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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, galvanised steel and stainless steel) up to 240 minutes with respect to BS EN 1634-1:2000 and/or BS 476-22:1987. WF Assessment Report No 190869 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.

Zero FS2002 intumescent 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.



DOOR THICKNESS OPTIONS

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.

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.

TO SUIT 40MM THICK DOORS

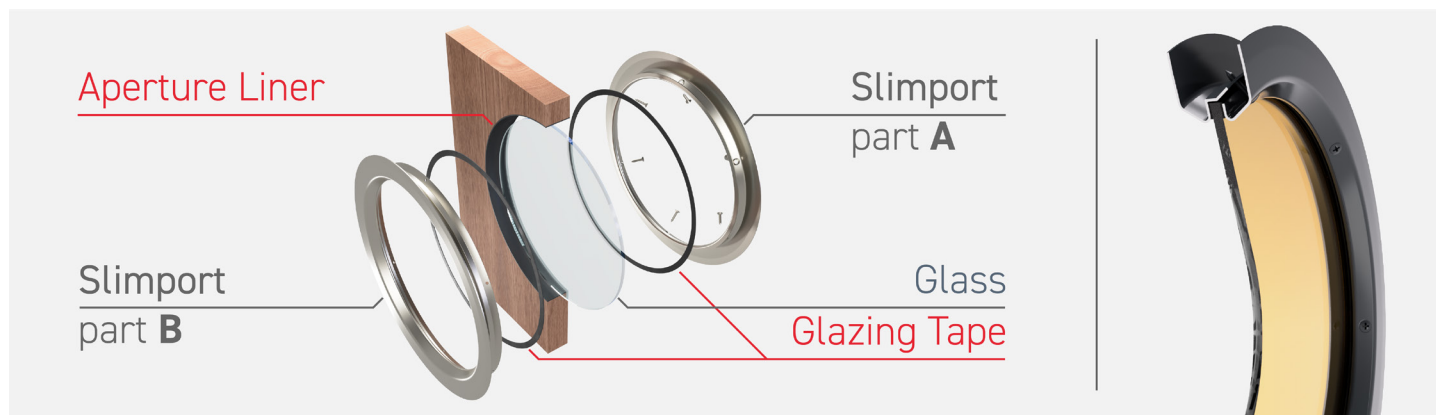
Many Continental doors are 40mm thick, so we have developed products to suit this door thickness. These products are only currently available in 250mm, 350mm and 450mm diameters in zinc plated mild steel and satin stainless steel. These are the same design as our standard self-attaching sets with fixings 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.

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GLAZING OPTIONS

Glass is available to suit the four diameters of Slimport. New for 2022 is the addition of Pyroguard glass, which is a clear toughened safety glass offering up to 60 minutes integrity performance to BS EN 1634-1 (timber fire doors up to SP450 size).

This complements our existing offering of Firelite clear laminated glass ceramic for steel fire doors requiring up to 240 minute integrity only resistance, Pyroshield 2 Georgian wired safety glass for 30 minute timber fire door applications, and the popular non fire rated 6.4mm thick clear laminated safety glass.

GLAZING TAPE

Glazing tape is fitted to both sides of the glass before it is sandwiched between the two parts of the Slimport vision frame. It is available in a wide range of thickness to suit slightly different door and glass thicknesses.

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

For timber and steel fire rated doors you will need to use FS9009 “ceramic type” 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 foam glazing tape.

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

However on fire rated timber doors, it is necessary to line the aperture with a FS4004 1.6mm thick intumescent liner which in the event of fire 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.



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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

Did you know that apart from our stocked finishes, we are also able to offer the Slimport range in a vast array of architectural finishes? These include bronze, brass and even special coloured translucent lacquers.

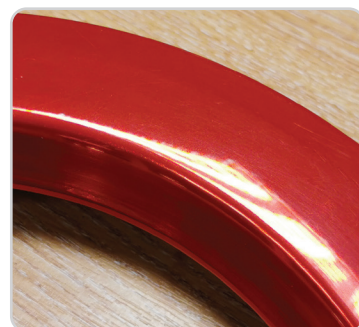
Most recently we launched two new black finishes, ZEROblack and LITEblack, to bring the range up to date with the recent increase in demand we have all seen for black architectural ironmongery. ZEROblack is a flat, matt style, finish giving a pure stunning black at all angles. LITEblack is a textured finish which enables light to catch the texture giving a multitude of black tones.



ZEROblack



LITEblack



Red Translucent Lacquer

SPECIALIST ARCHITECTURAL
HARDWARE SUPPLIERS TO
THE DOOR OPENINGS INDUSTRY



Raising Standards
Safety Assured



Cert No. 51091



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