

Uniclass	EPIC
L4181:P4	D181:X4
Cl/StB	
(31.59)	Xh

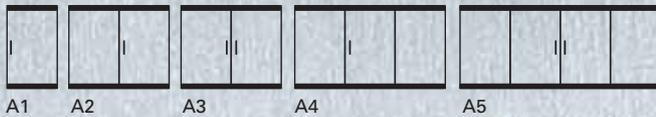
architectural hardware for glass  
**glass fittings** <sup>(2a)</sup>



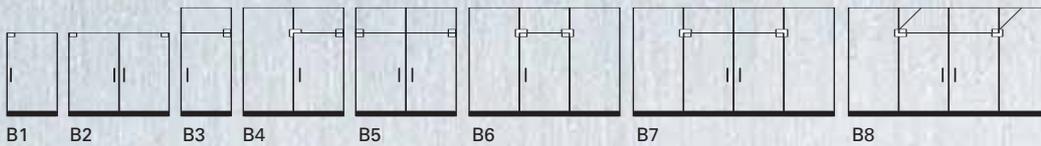
In the field of architectural fittings for glass, both high quality and total design flexibility are essential criteria together with ease of installation, safety and function. Barrier Components offer a full range of hardware and accessories which are the result of continuous product development. Functional yet with superb finishes, they have been designed to meet the needs of architects, designers, fabricators and clients alike.

## Typical systems for door rail and patches

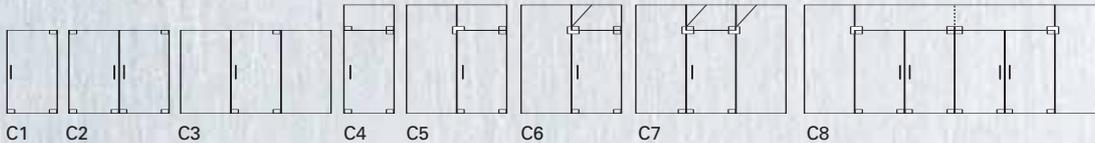
### Type A Full width rails along top and bottom edges



### Type B Full width rails along bottom edge with patches at top corners



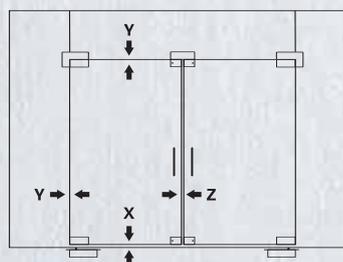
### Type C Patches fitted at top and bottom corners



The hardware has been designed for use with 10mm or 12mm tempered glass using all patch fittings, all rails or a combination of both. The maximum recommended door size if using patches only 1200mm wide or 90kg.

For larger doors up to 1400mm or 120kg then door rail must be used. For self closing doors both floor springs and concealed overhead closers are available.

A detailed notching and glass preparation manual is available for glaziers and fabricators.



Notes:

Installation Dimensions

**X: 7-10mm**

**Y: 2-4mm**

**Z: 3-5mm**

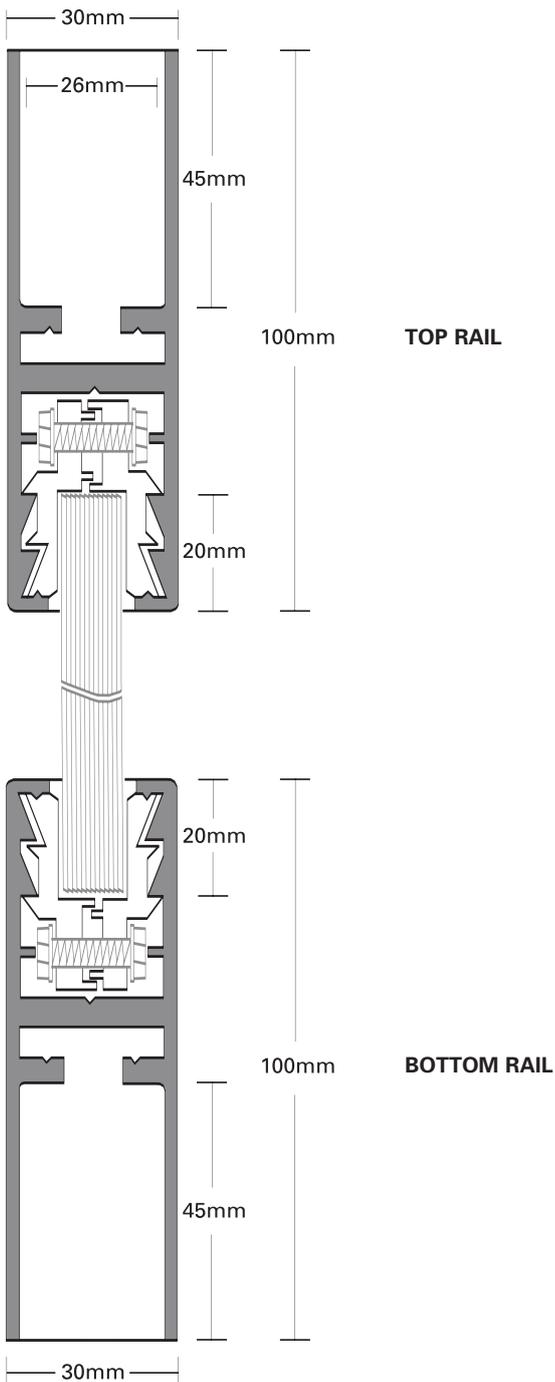
Weight of glass

**10mm 25kg m<sup>2</sup> (approx)**

**12mm 30kg m<sup>2</sup> (approx)**

## Door rail

The Door Rail is slim and elegant in design. The glass is secured in position between clamps with a special 3M™ adhesive tape thus avoiding gaskets or sealants. The Endcaps have been designed for flush fitting without notching the glass. The lock fits within the webs of the rail. All rails are supplied with components to allow manual or self-closing operation.



The following finishes are available

- Mill finish aluminium
- Polished stainless steel
- Satin stainless steel

Door rail no. **3010**  
for 10mm glass

Door rail no. **3012**  
for 12mm glass

Euro profile lock no. **5025** keyed both sides, or keyed one side with thumbturn on the other side.

Keyed alike locks can be supplied for multiple installations.

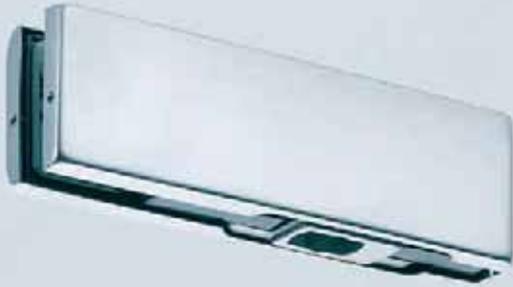


## GT patch system

The patch fittings are extremely neat in design (generally 164 x 52mm) and are engineered to the highest standards. They have specially formulated aluminum alloy base bodies and polymer impregnated gaskets to ensure a firm grip on the glass surface. The load bearing bottom door patch has a hardened stainless steel inserts. All covers are manufactured from grade SUS304 stainless steel which is precision stamped and deep drawn to form smooth, continuous corners. The covers are available in polished or satin finishes.

### Notes:

If the covers are to be powder coated (by others) then please advise at the time of ordering. We can also provide covers with alternative finishes. Please contact our sales office with your enquiries.



### GT10

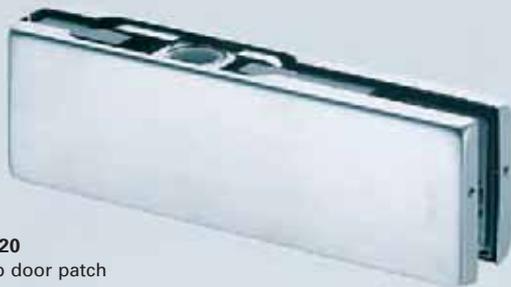
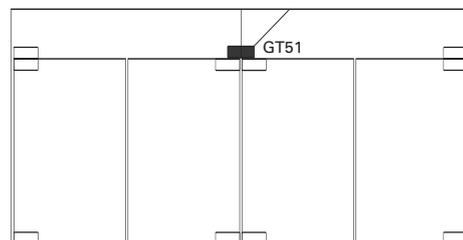
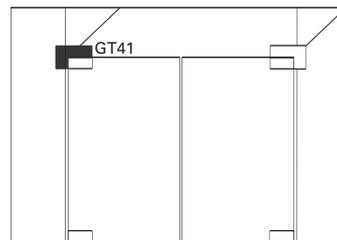
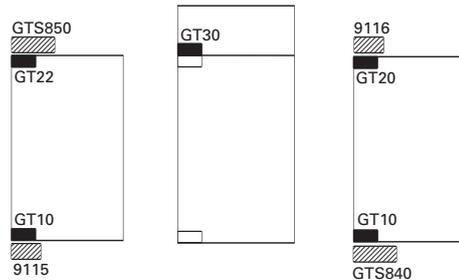
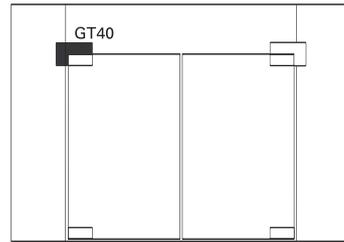
Bottom door patch

To be used in conjunction with floor pivot 9115 for manual doors or floor spring GTS840 for self closing doors.

### 9115 Pivot



### GT22 Top Door Patch For use with Transom Closers only.



### GT20

Top door patch

To be used in conjunction with over panel pivot patches or if the door is within a frame then one of the following:

No. 9124

Pivot with fixing plate

No. 9129

Pivot for brickwork fixing

No. 9116

Adjustable top centre

### 9116



9124

9129

**GT30**  
Over panel pivot patch

Supplied complete with M8 stud and brass plug for brickwork fixing or aluminum mounting plate for frame fixing.



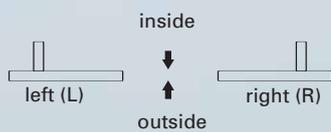
**GT40**  
Corner pivot patch  
For fitting to the over panel and side panel.



**GT41**  
Corner pivot patch with fin



**GT51**  
Double over panel pivot patch with fin





**GL50S**

Corner patch lock

Fitted with a hardened pin bolt and supplied with a euro profile cylinder either keyed both sides or keyed one side with a thumbturn on the other side. Keyed alike locks can be supplied for multiple installations.

A variety of keeps are available



**GL50S/CL**

Centre patch lock

Same specification as the corner lock. Also available with **GL50/K** centre patch keep.



**GT30K**

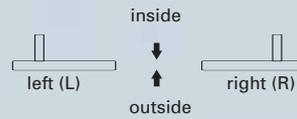
Over panel lock strike patch

To be used in conjunction with GL50S corner lock. Supplied complete with M8 stud and brass plug for brickwork fixing or aluminium mounting plate for frame fixing.



**GT41K**

Corner lock strike patch with fin



**GT40K S**

Corner lock strike patch with stop.

For fitting to the over panel and side panel and used in conjunction with GL50S corner lock. Door stop is removable.

**GL50/2K S**  
 Double over panel lock  
 strike patch with stop.

To be used in  
 conjunction with locks  
 GL50S on double doors.  
 Door stop is removable.

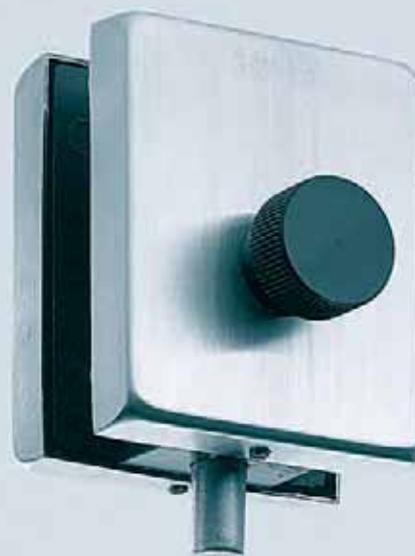


**GT40/S**  
 Corner patch stop  
 For fitting to over panel  
 and side panel.



**GL24**  
Retrofit Patch Lock

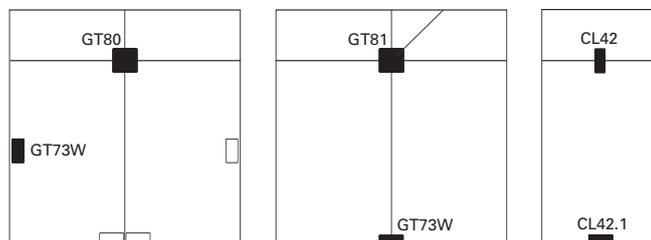
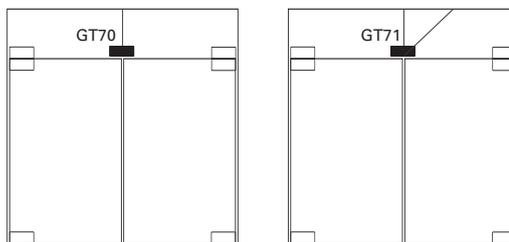
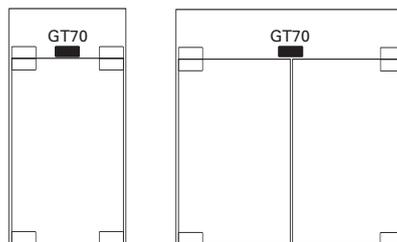
This lock can be fitted to the door without any notching or drilling of the glass. Supplied with a euro profile cylinder keyed one side only. Available with **GL24K** patch keep.



**GL52**  
Turn knob patch lock  
Operates from one side only. Available with **GL52K** patch keep (not illustrated and to special order).

**GT70**  
Over panel stop patch

Can be used on single or double door applications. The stops are removable and the patch can be used as a connector.



**GT71**  
Over panel connector patch with fin

Cannot be used as a stop patch.



**GT80**  
Fixed panel connector patch



**GT81**  
Fixed panel connector patch with fin



**GT73W**  
Side connector patch

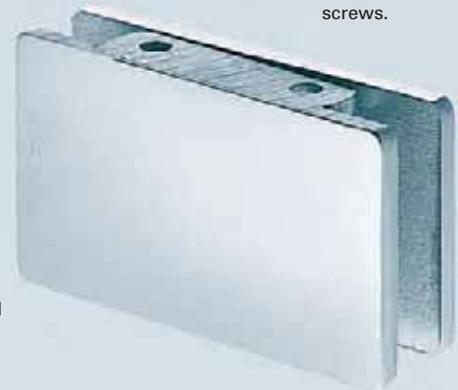
For holding fixed panels and fins. Supplied complete with M8 stud and brass plug for brickwork fixing or stainless steel mounting plate as illustrated.



**CL**  
Connectors

Manufactured from stainless steel plate. The model CL42 is for connecting glass to glass panels and the model CL42.1 glass to wall panels and is supplied with fixings screws.

**CL42.1**



**CL42**





**GP10**  
Bottom door patch

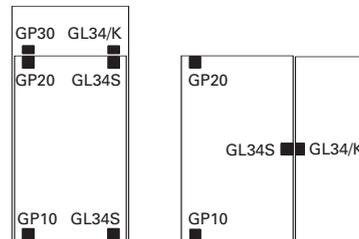
To be used in conjunction with floor pivot 9115 for manual doors (see page 4) or floor spring GTS840 for self closing doors.

## GP patch system

An alternative to the GT range, the patches are slightly smaller (110 x 70mm) and although suitable for exterior use, they are often specified for internal doors, retail and museum cabinets. The covers are manufactured from grade 304 stainless steel with a satin finish. Polished covers are available to special order.

All GP hardware is suitable for 10mm or 12mm toughened glass.

Maximum door width: **1000mm**  
Maximum door weight: **90kg**



**GP20**  
Top door patch

To be used in conjunction with our over panel pivot patch **GP30** or if the door is within a frame then one of the following: 9124 Pivot, 9129 Pivot, or 9116 top centre (see page 4).

**GL34 S**  
Patch lock

Fitted with a hardened pin bolt and supplied with a euro profile cylinder either keyed both sides or keyed one side with a thumbturn on the other side. Keyed alike locks can be supplied for multiple installations.



**GL34/K**  
Patch keep

For double doors and side or over panels.

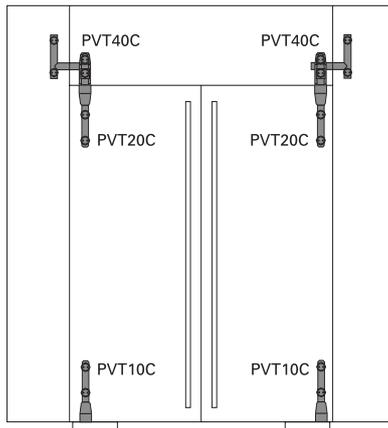
## G tech pivot system

A contemporary alternative to patches on external doors. The hardware is manufactured from solid stainless steel (grade 304) with a superb satin finish and is adjustable for ease of installation.

Suitable for 10mm and 12mm glass.  
Recommended lock GL34S (see page 10).

Maximum door width: **1200mm**  
Maximum door weight: **90kg**

Note: All fittings require countersunk holes in the glass.



**PVT40C**  
Over panel pivot



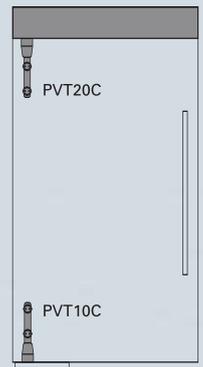
**PVT30C**  
Over panel pivot

**PVT20C**  
Top pivot

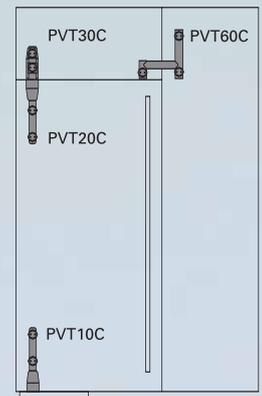
To be used in conjunction with over panel pivots PVT30 or PVT40. If the door panel is within a frame then one of the following pivots should be used: 9124, 9129 or 9116 (see page 4)

**PVT10C**  
Bottom pivot

To be used in conjunction with floor pivot 9115 (see page 5) for manual doors or floor spring GTS840 for self closing doors.



**PVT60C**  
Over panel connector



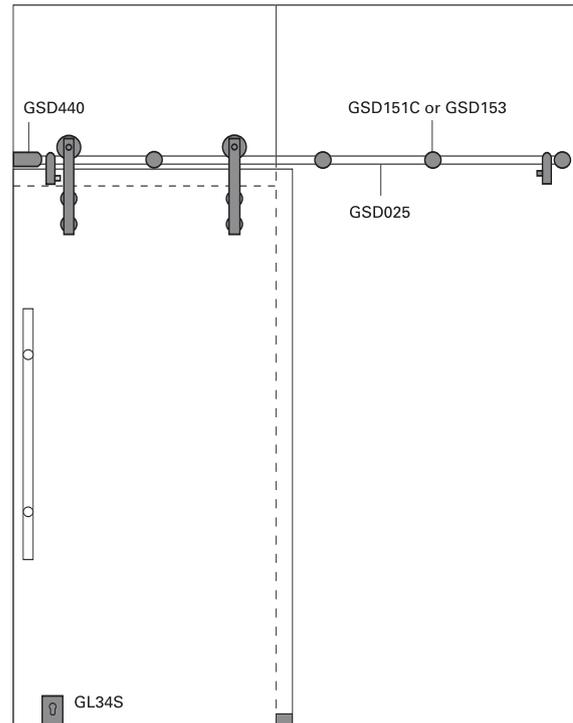
## G tech sliding system

A contemporary system for internal doors. All the hardware is manufactured from stainless steel (grade 304) with a superb satin finish.

Suitable for 10mm and 12mm toughened glass.  
Recommended lock GL34S (see page 10).

Maximum door height: **2500mm**  
Maximum door width: **1360mm**  
Maximum door weight: **100kg**

Note: The roller hangers and also bracket GSD151C require countersunk holes in the glass.



### GSD400C

Door Pack containing two roller hangers, door stops and floor guide.

### GSD025

Door Rail 3000mm stock length (cut to size as required) and supplied with endcaps where necessary

**GSD151C**

Rail bracket for glass door to glass panel fixing



**GSD153**

Rail bracket for glass door to wall fixing

Note: We will supply the correct number of brackets against details of door size and application.



**GSD440**

Rail end bracket, recommended when the end of the rail abuts a 90° wall.



**200B**

Door handle

Available in two sizes  
**450mm** overall with  
300mm hole centres.

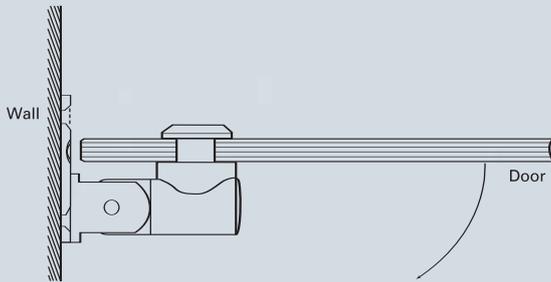
**750mm** overall with  
600mm hole centres.

**Tube Ø 25mm**

Finish satin stainless steel.



**GX512.1**  
Wall mounted hinge



## G tech hinge system

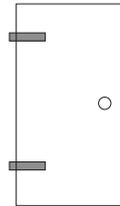
A contemporary system for internal doors and partitions which is also suitable for shower enclosures (8mm and 10mm only). The hardware is manufactured from solid stainless steel 25mmØ bar (grade 304) with a superb satin finish.

The hinges are non-sprung, outward opening only but available in 3 fixing options. There are also matching connectors and magnetic catches.

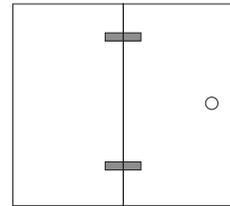
All hardware is suitable for 8mm, 10mm and 12mm glass.

Maximum door weight using 2 hinges: **40kg**  
 Maximum door weight using 3 hinges: **55kg**  
 Maximum door width: **950mm**

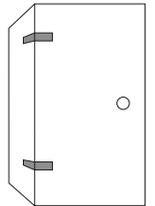
All hinges open to a maximum 90°



Wall mount

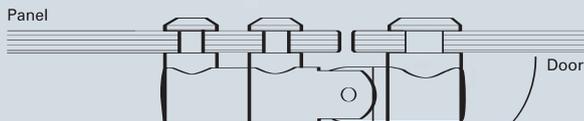


180° glass to glass

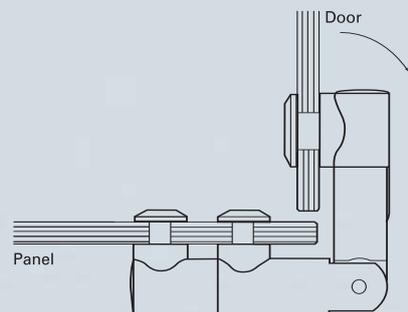


90° glass to glass

**GX512.2**  
180° glass to glass  
hinge



**GX512.4**  
90° glass to glass hinge



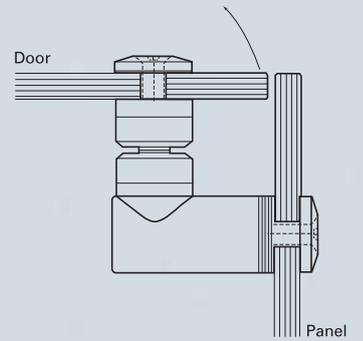
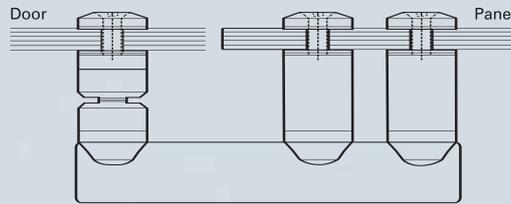
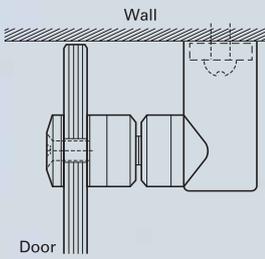
**GX62.1 MH**  
Wall mounted magnetic catch and door stop



**GX62.2 MH**  
180° glass to glass magnetic catch and door stop



**GX62.4 MH**  
90° glass to glass magnetic catch and door stop



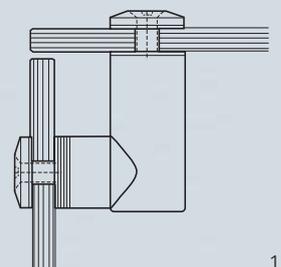
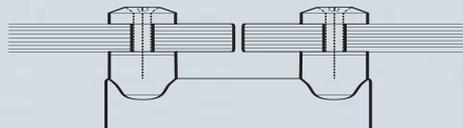
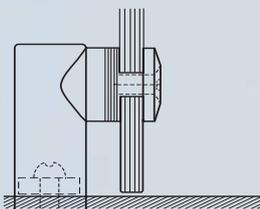
**GX62.1**  
Connector to fix a glass panel to the wall, floor or ceiling



**GX62.2**  
180° glass to glass connector for fixed panels



**GX62.4**  
90° glass to glass connector for fixed panels



**CL1260**

Balustrade clamps

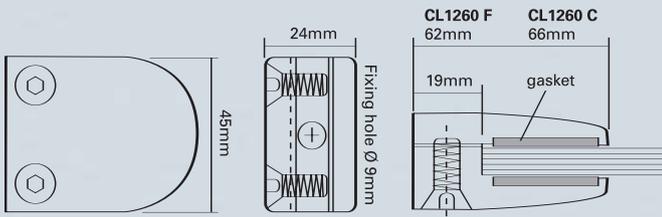
Solid stainless steel with either a satin or polished finish and suitable for 8mm or 10mm toughened glass.

**CL1260F**

To fix to a wall or square section

**CL1260C**

To fix to round tube (38-50mmØ)

**CL1282**

Balustrade clamps

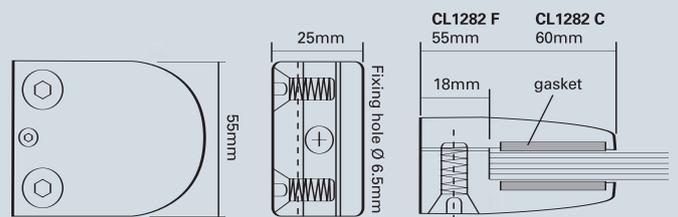
Solid zinc alloy casting with either a matt or polished chrome finish suitable for 8mm or 10mm toughened glass:

**CL1282F**

To fix to a wall or square section

**CL1282C**

To fix to round tube (38-50mmØ)

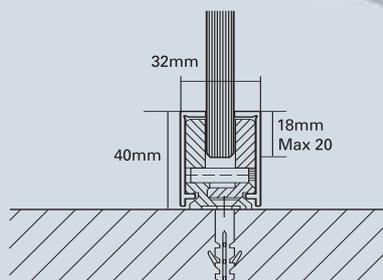
**WP10/WP12**

Fixed panel rail for 10mm and 12mm glass.

Aluminium inner profile and clamps with satin stainless steel covers; standard length 3000mm. End caps are supplied if specified.

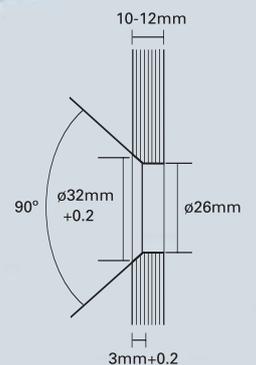
No glass drilling or sealant is required.

Nylon spacer blocks and fixings not supplied.

**G102C**

Single point Ø 35mm wall fixing button

Machined from stainless steel and is adjustable. Available in a satin finish only. The glass requires a countersunk hole.



**22411**  
Patch lever lock

Complete with euro profile cylinder normally keyed one side and thumbturn the other. Satin stainless steel finish only. Suitable for 10mm and 12mm glass (please specify when ordering) and available with **22421** Patch Keep



**22511**  
Privacy lever latch

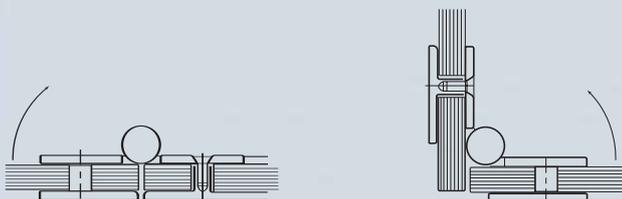
Complete with emergency release and supplied with a strike plate for timber frames. Available in satin or polished stainless steel and suitable for 10mm toughened glass. Glass to glass Patch Keep also available (not illustrated).



**22113GG**  
Glass to glass  
100mm hinge

Suitable for 10mm and 12mm glass. Manufactured from grade 304 stainless steel and available in a satin or polished finish. Not suitable for shower enclosures or external doors.

Maximum door height 2100mm  
Maximum door width with 2 hinges 800mm  
Maximum door width with 3 hinges 900mm



**22113GW**  
Glass to frame hinge  
Same specification as 22113GG



**LP101**

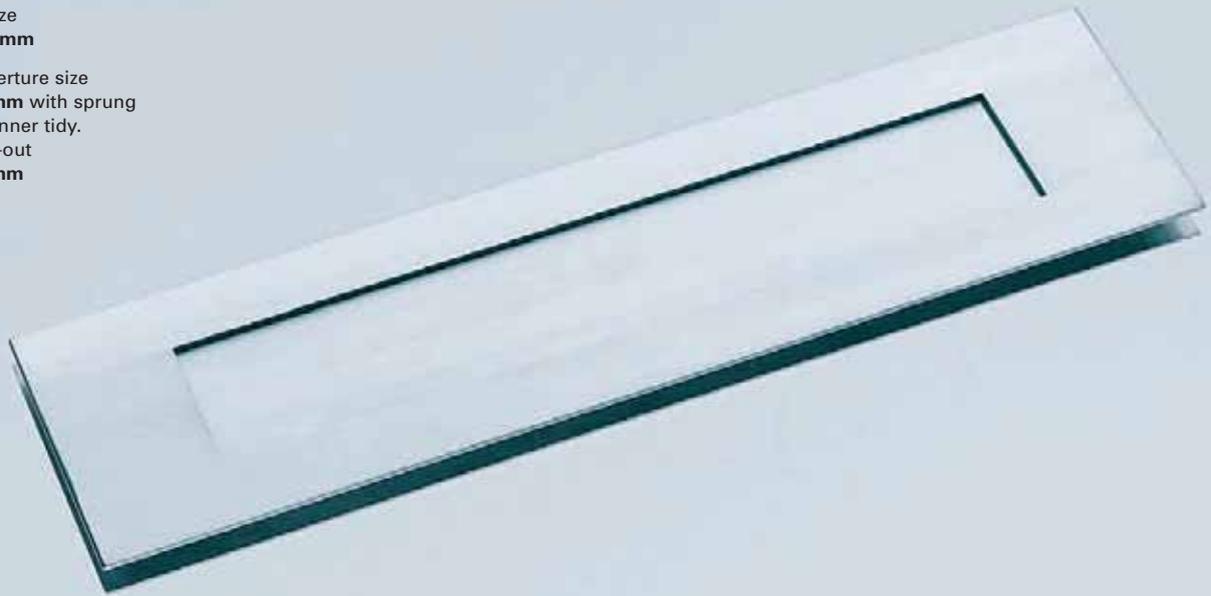
Letter plate

Manufactured from stainless steel and available in polished or satin finish.

Overall size  
**400 x 100mm**

Postal aperture size  
**300 x 50mm** with sprung flap and inner tidy.

Glass cut-out  
**392 x 88mm**



**GTS840**

Double action floor spring

Available with 90° hold open facility or non-hold open. The closing speeds are adjustable with valve no.1 operating from 130° to 20° and valve no.2 from 20° to centre. Supplied with floor box.

Interchangeable spindles also available.

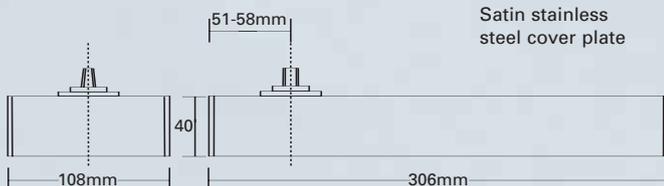
Specify door width when ordering.



Maximum door weight **100Kg**

Maximum door width **1100mm**

Satin stainless steel cover plate



**GTS850**

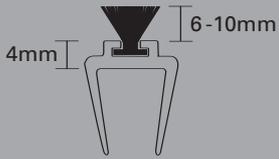
Concealed double action overhead door closer



For fitting into aluminum or steel box section transoms. Supplied with 90° hold open facility as standard and the closing speeds are adjustable with valve no.1 operating from 130° to 20° and valve no.2 from 20° to centre.

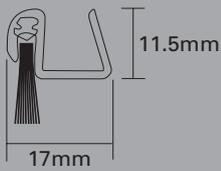
Overall length, including fixing brackets 330mm, case depth 38mm, spindle length 12.2mm.

## Weather seals



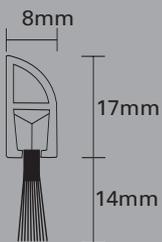
### Clip-on clear PVC retainer

- P1006** to suit 10mm glass with 6mm brush pile
- P1010** to suit 10mm glass with 10mm brush pile
- P1206** to suit 12mm glass with 6mm brush pile
- P1210** to suit 12mm glass with 10mm brush pile



### Clip-on Aluminium retainer

**Type GV** silver anodised aluminium retainer to suit 10mm glass with 6mm grey brush strip.



### Surface fixed aluminium retainer

**Type GH** silver anodised aluminium retainer with adhesive tape for fixing to the glass. Each length of seal is supplied with grey plastic endcaps and 14mm grey brush strip.

All weatherseals are supplied in 2500mm stock lengths which can be easily cut to size on site.

## CLEANING NOTES

The components featured in this brochure require little or no maintenance but to retain the finished surfaces the following guidelines apply: Routine cleaning with mild soap, ammonia or detergent and warm water. Rinse with clean water and wipe dry to avoid water marks.

**Do not use any abrasive cleaners.**

A regular application of Autoglym Super Resin Polish helps reduce attack by pollution, dirt and abrasion.

Universal Hardware Direct UK Ltd  
Unit 202 Kingspark Business Centre,  
152 – 178 Kingston Road,  
New Malden,  
Surrey,  
KT3 3ST  
Tel: 020 8605 1087  
Fax: 020 8605 1088  
web: [www.hardwaredirectuk.co.uk](http://www.hardwaredirectuk.co.uk)  
Company Reg: 4582225