

Shower Screen Installation

We provide a comprehensive range of accessories produced to give architects and decorators complete freedom of design when using toughened glass in showers.

Designed and manufactured to the highest standard the EUROGLASS range of fittings provide a slim and neat appearance so that the glass remains the central feature.

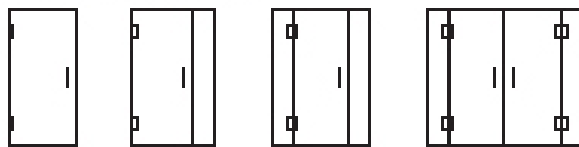
All hinges and handles are a combination of brass and stainless steel.

Available in the following finishes:

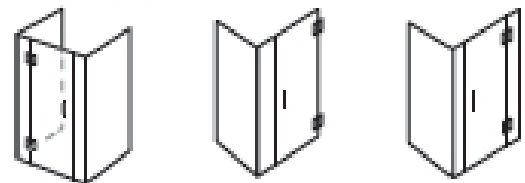
- Polished Stainless Steel
- Polished Chrome
- Satin Chrome
- Satin Stainless Steel
- Matte Black
- Special finishes upon request, lead times apply.

TYPICAL SHOWER DESIGNS

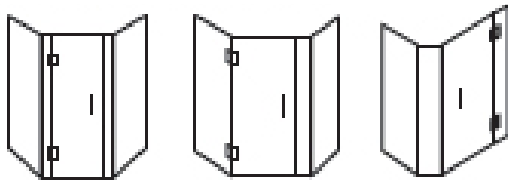
Inline Showers



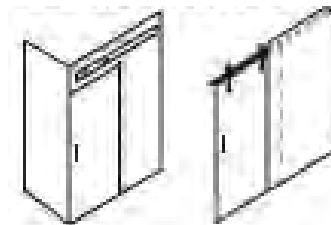
Square Showers



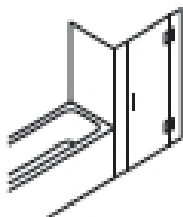
Quadrant Showers



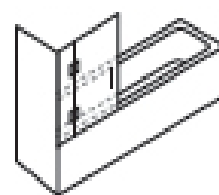
Sliding Showers



Bath-end Shower



Bi-fold Bath Screen



GLASS

All glass used in frameless glass shower assemblies must be approved 8mm or 10mm toughened float safety glass.

GLASS THICKNESS

10mm glass thickness is recommended in most assemblies, especially in glass to glass situations. 8mm glass thickness can be used when panels/doors are relatively narrow or especially when wall fixing (for door hanging) is subject.

DOORS

All doors are standard double action opening both inwards and outwards. A single action stop may be provided if required.

Standard door widths are generally between 600mm to 700mm for wall hung doors and 550mm to 650mm for glass to glass doors.

Maximum recommended width/weight for two hinge doors:

8mm: 800mm width, 35kg (1.75m²)
 10mm: 800mm width, 35kg (1.4m²) glass-to-glass
 10mm: 800mm width, 37.5kg (1.50m²) wall hung

For doors outside either of the above maximums three hinges should be fitted. Standard door heights are generally between 1850mm and 2100mm.

WALL FIXING

For doors hinged directly from the wall adequate stud fixing is required – generally either a double stud or an approx. 90mm width of timber fitted between noggins at hinge levels.

Where inadequate wall fixing is suspected, it is recommended that the door be hung from a glass side panel.

SPECIAL BRACING REQUIREMENTS

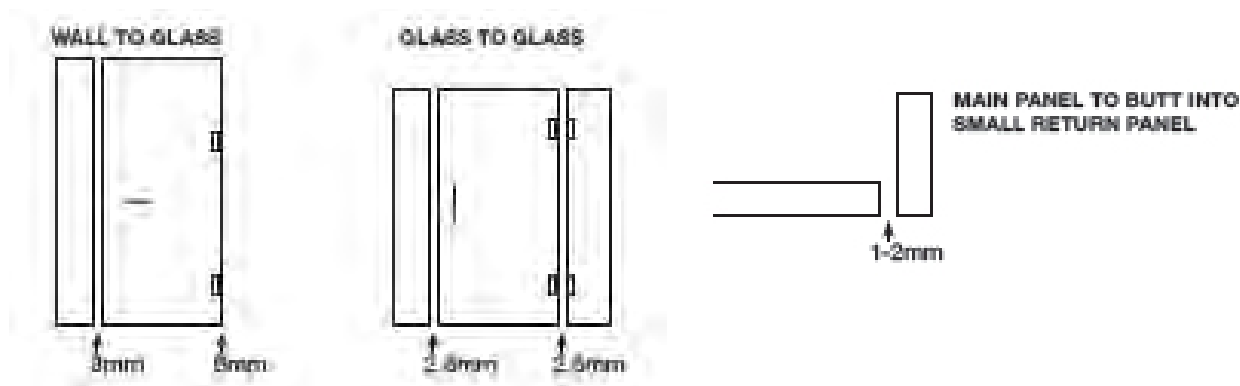
Head support is recommended (in the form of either a top channel or a glass over panel) for glass to glass assemblies as follows:

- Where the combined width of the door and side panel/s is hung from exceed 900mm
- On all quadrant and curved showers.

Where a side panel (fixed only to the base and wall) exceeds 900mm in width a return panel of minimum 150mm width would be required to stabilise the side panel.

INSTALLATION DIMENSIONS

Recommended gap under door 6mm above the highest point of the upstand.



MITRE JOINTS – 135°

Glass to glass panels – we recommend each panel has a 22.5° polished mitre edge to provide a quality finished look and prevent a visible 'thick' silicone joint.

WATERPROOF

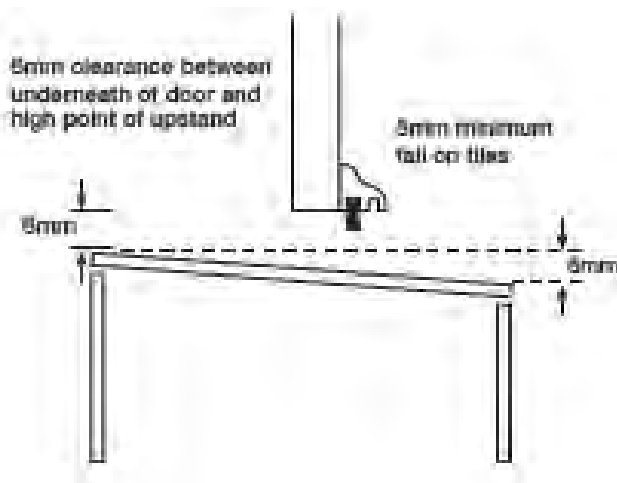
For wall hung doors it is recommended to hang the door from the wall on which the shower rose is fitted. It is not a good design to have the shower rose directly facing the door.

In a situation where there is a risk of water leaking through the gap between the back edge of the door and the wall it is recommended to use a glass to glass door design.

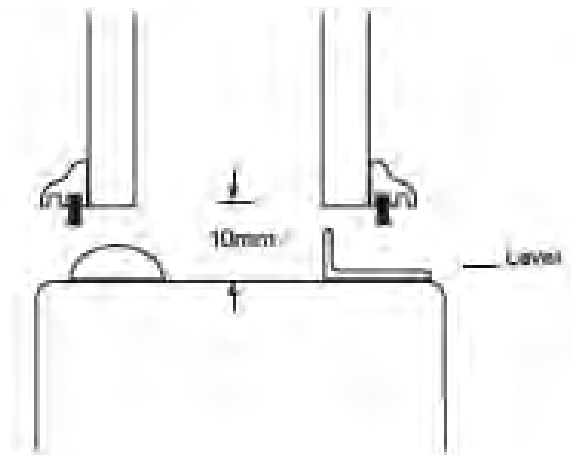
Suggestions to avoid leaking under the door:

1. It is recommended that our WS1 waterseal be fitted to the inside bottom edge of all doors:
 - ensure where possible that there is an adequate slope on the shower upstand
 - recommended minimum fall of 5mm
2. Our HR1 half round section (4.8mm high) AS1 angle section (6mm high) or AS18 angle section (18mm high – 22mm gap under door) fitted onto the base under the door can be used where there is a high risk of leaking
3. Position of shower door/panel line is generally centre of upstand but we recommend bringing this glass line towards the inside edge in cases where there is a greater risk of leakage, ie. rose pointing at door, no fall on upstand, special body jets etc.

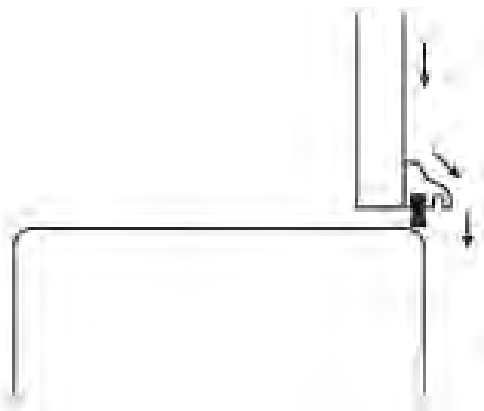
1. FALL ON TOP OF UPSTAND



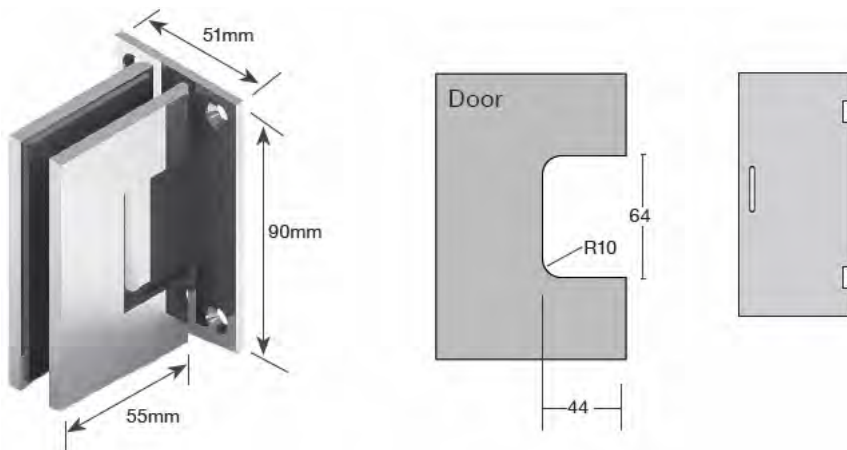
2. WATERSEAL/HALF ROUND SECTION OR ANGLE SECTION



3. WATERSEAL (Glass line lose to inside of upstand)



ES1 Wall Hung Hinge



AVAILABLE FINISHES

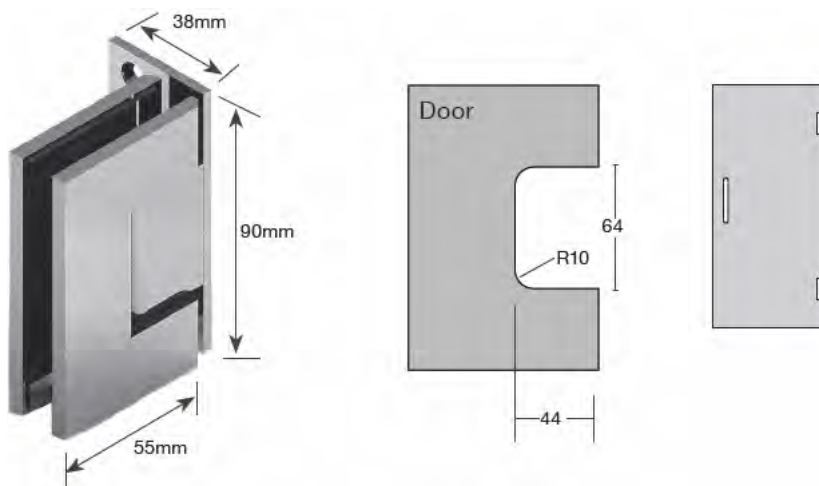
- Polished Chrome
- Satin Chrome
- Special finishes on request, lead time applies

TECHNICAL DETAILS

- Manufactured in Brass
- Dual Action, opening inwards and outwards
- Self Closing from approximately 45°
- Standard for 10mm glass
- Can be adapted for 8mm and 12mm glass

Fixing screws not included, specify if required

ES1L Wall Hung Hinge – Single Side



AVAILABLE FINISHES

- Polished Chrome
- Satin Chrome
- Matte Black
- Special finishes on request, lead time applies

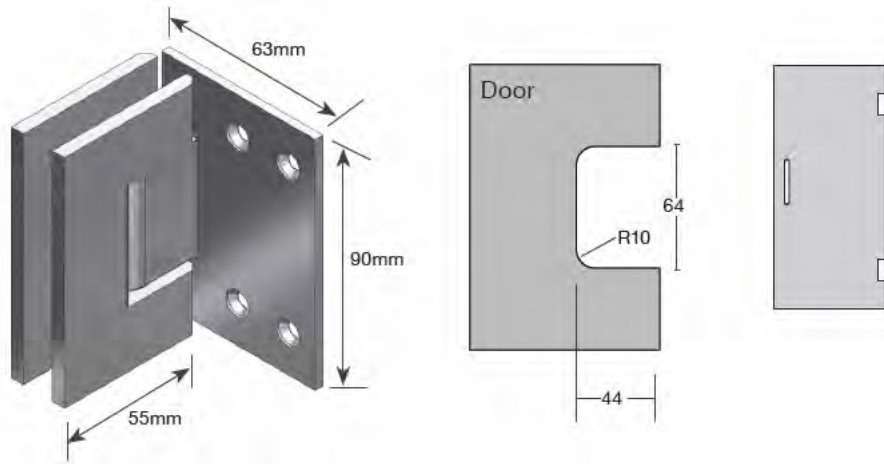
TECHNICAL DETAILS

- Manufactured in Brass
- Dual Action, opening inwards and outwards
- Self Closing from approximately 45°
- Standard for 10mm glass
- Can be adapted for 8mm and 12mm glass

BLACK

Fixing screws not included, specify if required

ES1L-EXT Wall Hung Hinge-Single Side with Extended Back Plate



AVAILABLE FINISHES

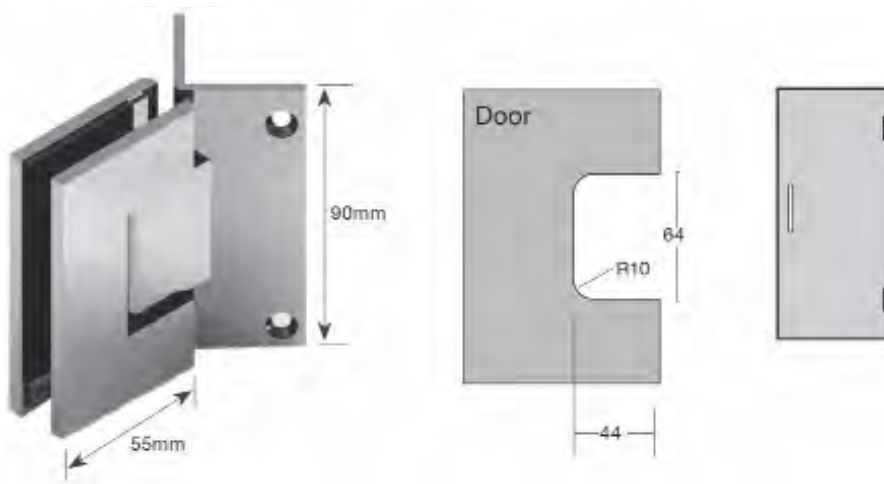
- Polished Chrome
- Satin Chrome
- Special finishes on request, lead time applies

TECHNICAL DETAILS

- Manufactured in Brass
- Dual Action, opening inwards and outwards
- Self Closing from approximately 45°
- Standard for 10mm glass
- Can be adapted for 8mm and 12mm glass

Fixing screws not included, specify if required

ES1-90° Wall Hung Hinge – 90° Fixing



AVAILABLE FINISHES

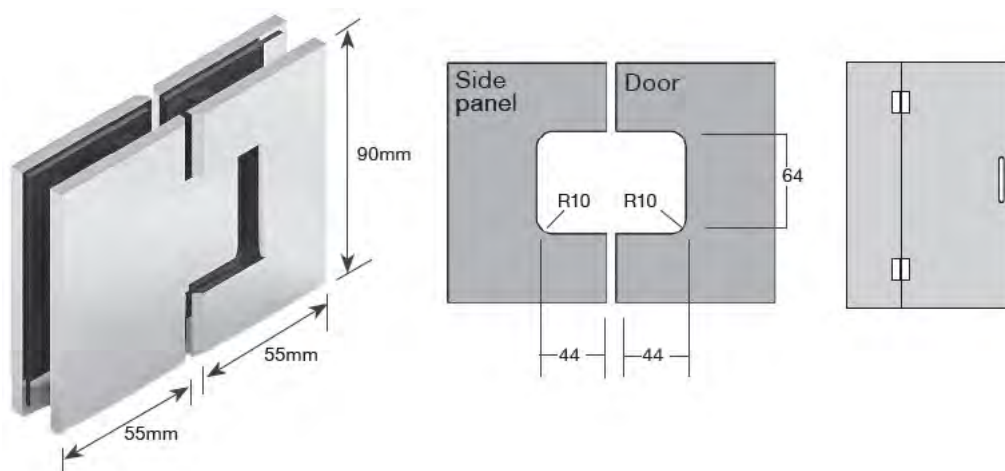
- Polished Chrome
- Satin Chrome
- Special finishes on request, lead time applies

TECHNICAL DETAILS

- Manufactured in Brass
- Dual Action, opening inwards and outwards
- Self Closing from approximately 45°
- Standard for 10mm glass
- Can be adapted for 8mm and 12mm glass

Fixing screws not included, specify if required

ES2 Glass to Glass Hinge



AVAILABLE FINISHES

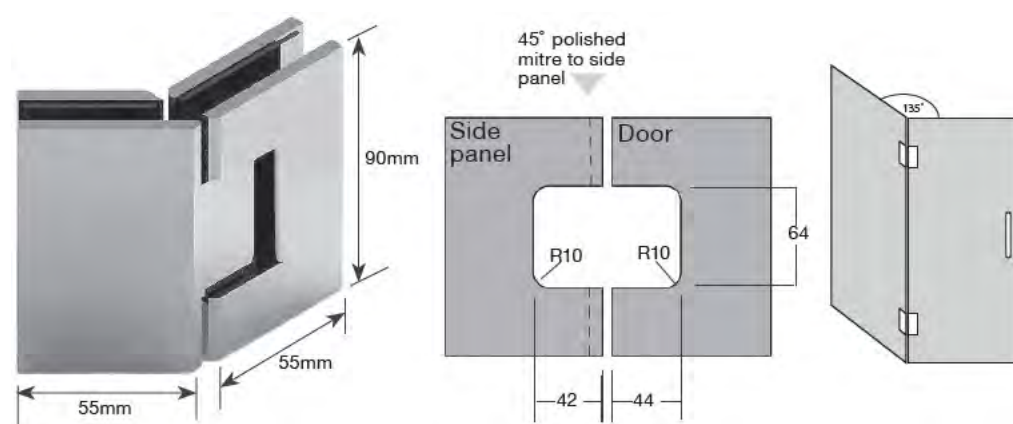
- Polished Chrome
- Satin Chrome
- Matte Black
- Special finishes on request, lead time applies

TECHNICAL DETAILS

- Manufactured in Brass
- Dual Action, opening inwards and outwards
- Self Closing from approximately 45°
- Standard for 10mm glass
- Can be adapted for 8mm and 12mm glass

BLACK

ES2-135° Glass to Glass – 135° Hinge



AVAILABLE FINISHES

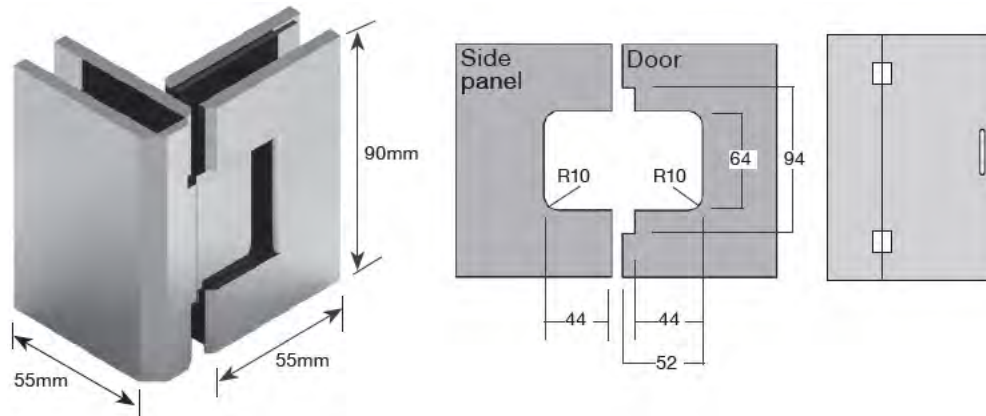
- Polished Chrome
- Satin Chrome
- Matte Black
- Special finishes on request, lead time applies

TECHNICAL DETAILS

- Manufactured in Brass
- Dual Action, opening inwards and outwards
- Self Closing from approximately 45°
- Standard for 10mm glass
- Can be adapted for 8mm and 12mm glass

BLACK

ES2-90° Glass to Glass – 90° Hinge



AVAILABLE FINISHES

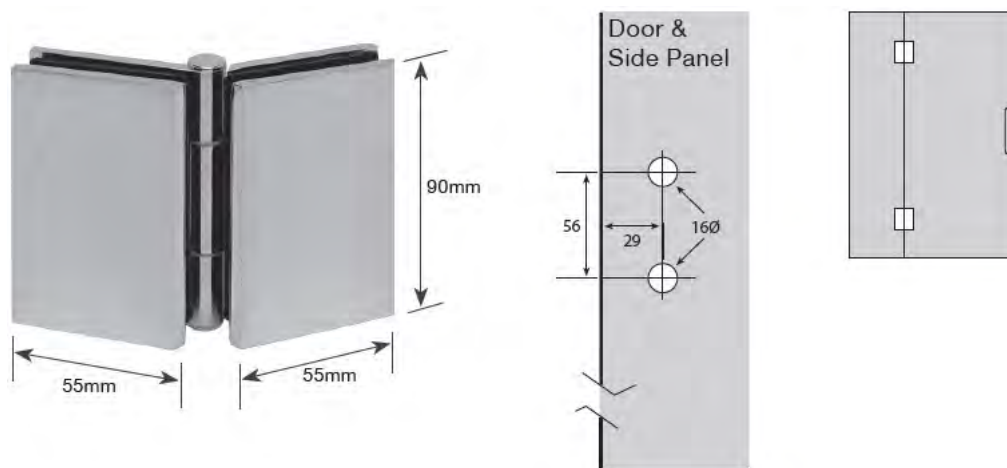
- Polished Chrome
- Satin Chrome
- Matte Black
- Special finishes on request, lead time applies

TECHNICAL DETAILS

- Manufactured in Brass
- Dual Action, opening inwards and outwards
- Self Closing from approximately 45°
- Standard for 10mm glass
- Can be adapted for 8mm and 12mm glass

BLACK

ES2-BF Glass to Glass Bifold Hinge



AVAILABLE FINISHES

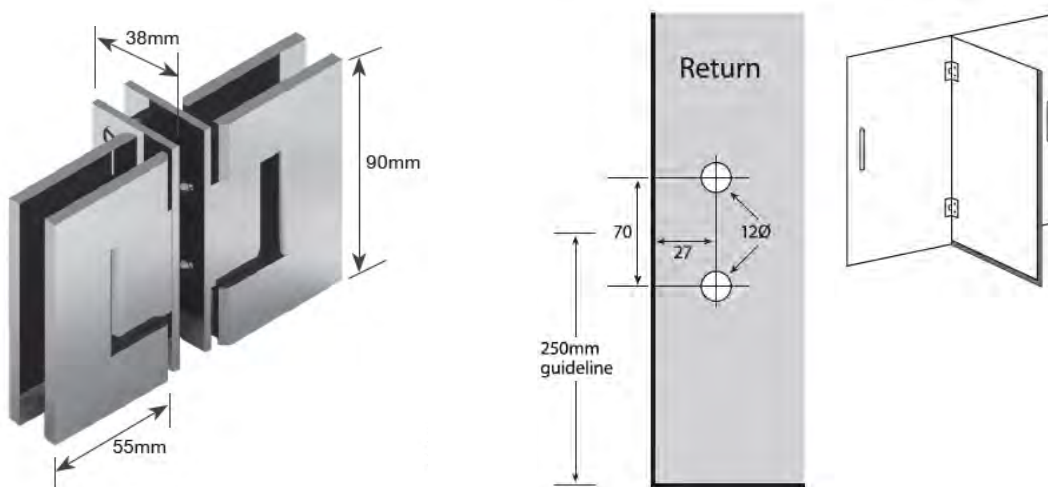
- Polished Chrome
- Satin Chrome
- Matte Black
- Special finishes on request, lead time applies

TECHNICAL DETAILS

- Manufactured in Brass
- Dual Action, opening inwards and outwards
- Self Closing from approximately 45°
- Standard for 10mm glass
- Can be adapted for 8mm and 12mm glass

BLACK

ES1LB2B Glass to Glass 90° Hinge



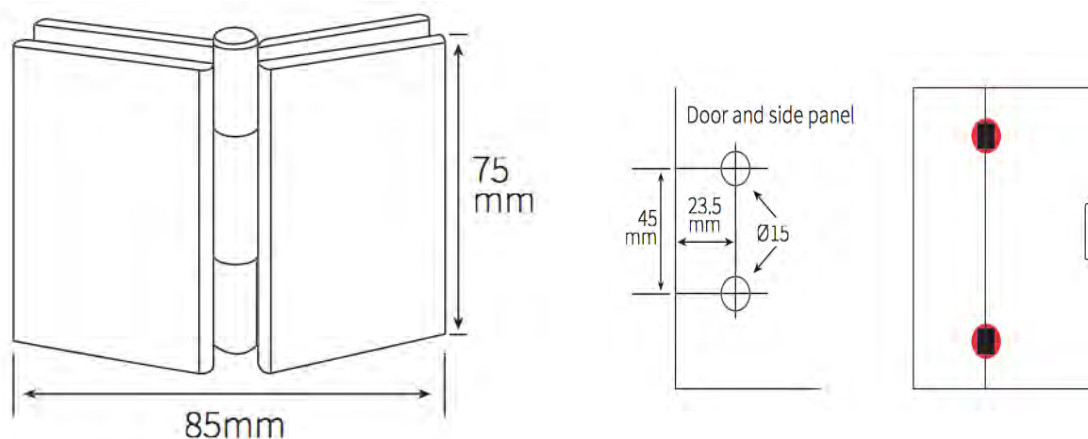
AVAILABLE FINISHES

- Polished Chrome
- Satin Chrome
- Special finishes on request, lead time applies

TECHNICAL DETAILS

- Manufactured in Brass
- Dual Action, opening inwards and outwards
- Self Closing from approximately 45°
- Standard for 10mm glass
- Can be adapted for 8mm and 12mm glass

CMES2BF Bifold glass to glass for 6mm glass



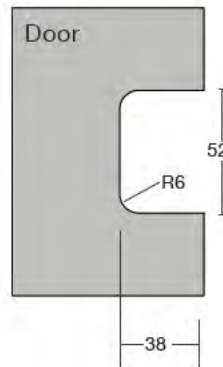
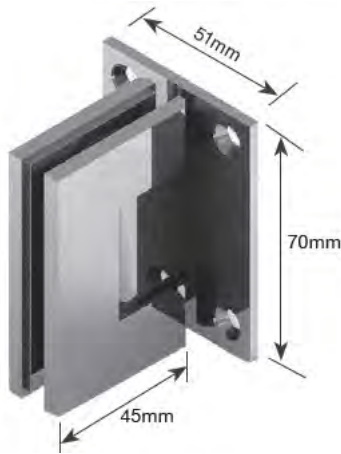
AVAILABLE FINISHES

- Polished Chrome
- Satin Chrome
- Special finishes on request, lead time applies

TECHNICAL DETAILS

- Shower hinge bifold glass to glass suitable for 6mm glass thickness
- Manufactured in brass
- Hinge folds back 180°
- Maximum door weight 20kg and door width 550mm

CMES1 Wall Hung Hinge



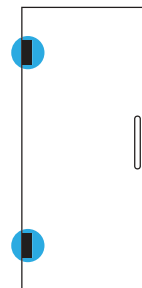
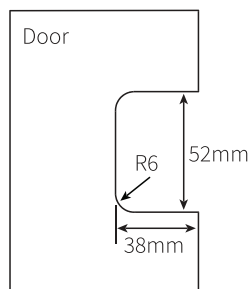
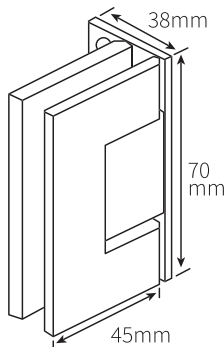
AVAILABLE FINISHES

- Polished Chrome
- Satin Chrome
- Special finishes on request, lead time applies

TECHNICAL DETAILS

- Manufactured in Brass
- 180° single action, opening inwards and outwards
- Self Closing from approximately 45°
- Standard for 6mm glass

CMES1L Wall Hung Hinge – Single Side



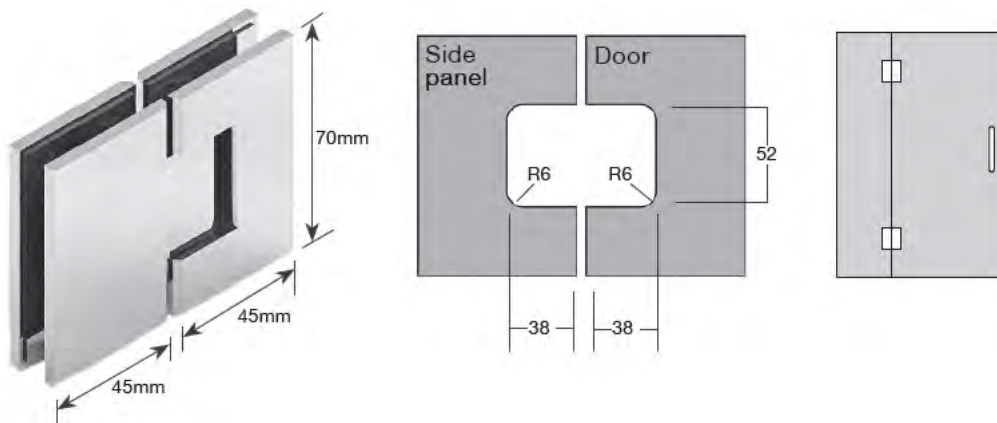
AVAILABLE FINISHES

- Polished Chrome
- Satin Chrome
- Special finishes on request, lead time applies

TECHNICAL DETAILS

- Shower hinge wall mount single side suitable for 6mm glass thickness
- Manufactured in brass
- Dual action hinge, opening inwards and outwards
- Self closing from approximately 25°
- Maximum door weight 28kg – maximum door width 710mm
- Stud fixing recommended for all glass to wall applications

CMES2 Glass to Glass



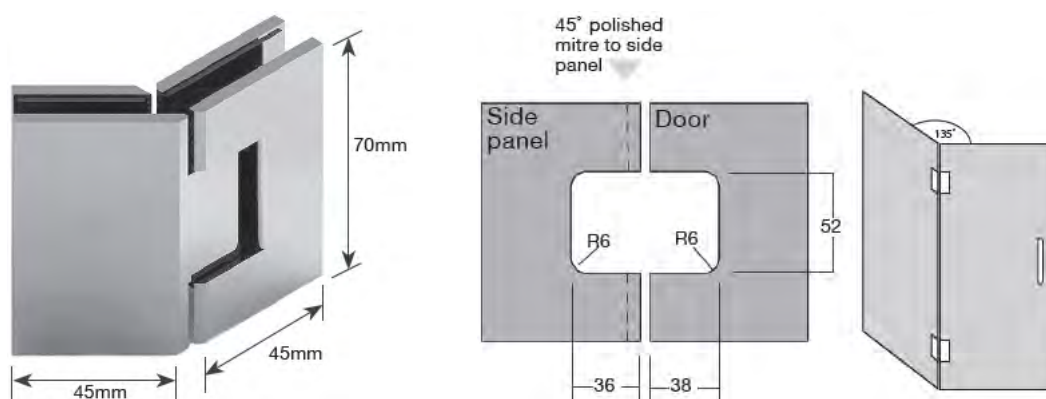
AVAILABLE FINISHES

- Polished Chrome
- Satin Chrome
- Special finishes on request, lead time applies

TECHNICAL DETAILS

- Manufactured in Brass
- 180° single action, opening inwards and outwards
- Self Closing from approximately 45°
- Standard for 6mm glass

CMES2-135° Glass to Glass 135° Hinge



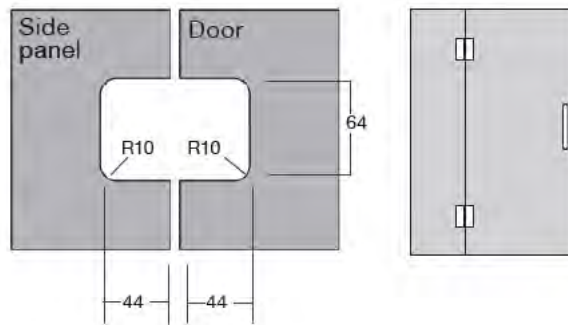
AVAILABLE FINISHES

- Polished Chrome
- Satin Chrome
- Special finishes on request, lead time applies

TECHNICAL DETAILS

- Manufactured in Brass
- Dual Action, opening inwards and outwards
- Standard for 10mm glass

ES1L (U-SET) Wall Hung Hinge – Single Side



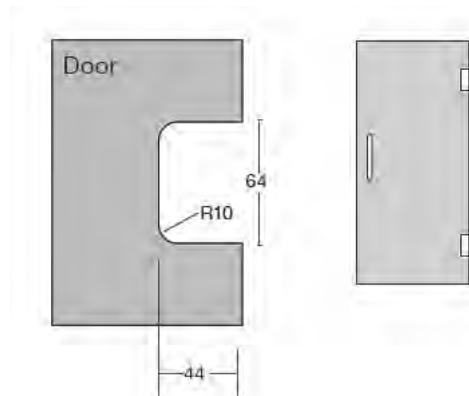
AVAILABLE FINISHES

- Polished Chrome
- Satin Chrome
- PVD

TECHNICAL DETAILS

- U-Set hinges are adjustable in all directions, meaning you no longer need custom hinges for those non-standard installations
- They have the weight rating as non-adjustable installations
- A simple turn of the allen keys creates a perfect fit off angles walls
- The range of adjustment makes aligning custom angle installations simple

ES2 (U-SET) Glass to Glass Hinge

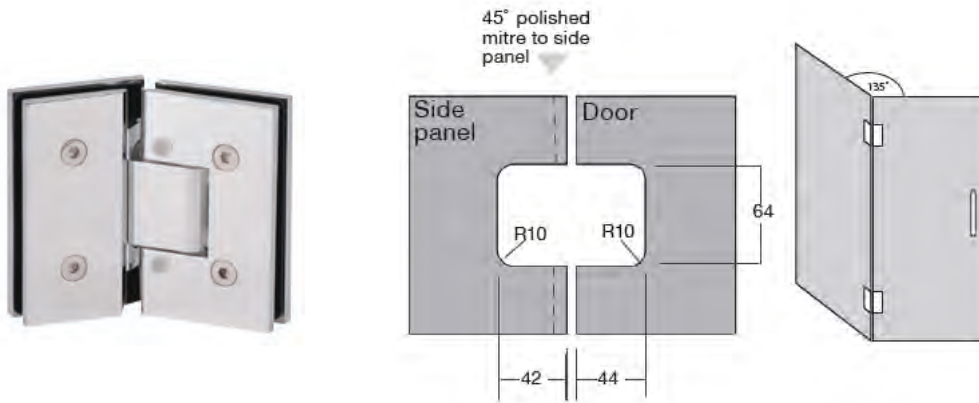


AVAILABLE FINISHES

- Polished Chrome
- Satin Chrome
- PVD

TECHNICAL DETAILS

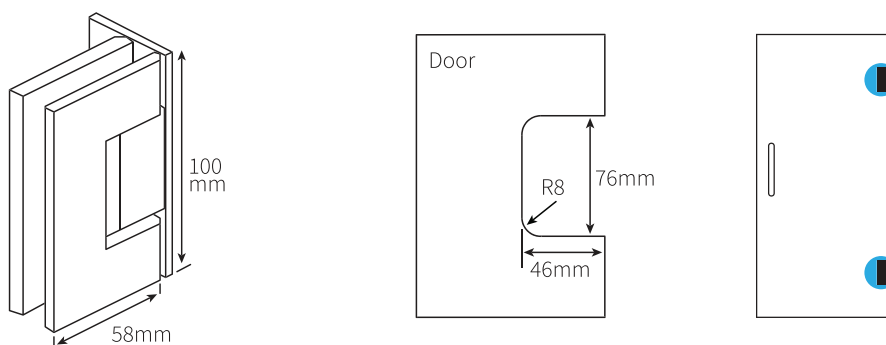
- U-Set hinges are adjustable in all directions, meaning you no longer need custom hinges for those non-standard installations
- They have the weight rating as non-adjustable installations
- A simple turn of the allen keys creates a perfect fit off angles walls
- The range of adjustment makes aligning custom angle installations simple

ES2-135 (U-Set) Glass to Glass – 135° Hinge

AVAILABLE FINISHES

- Polished Chrome
- Satin Chrome
- PVD

TECHNICAL DETAILS

- U-Set hinges are adjustable in all directions, meaning you no longer need custom hinges for those non-standard installations
- They have the weight rating as non-adjustable installations
- A simple turn of the allen keys creates a perfect fit off angles walls
- The range of adjustment makes aligning custom angle installations simple

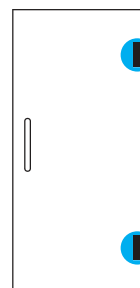
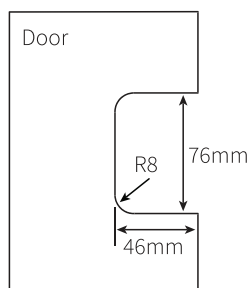
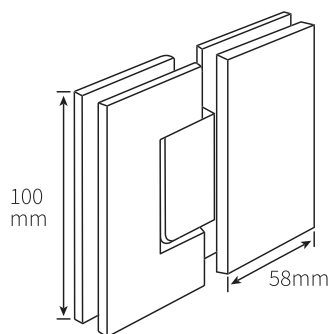
HD.ES1L3 Wall Mount – Single Side **SUITABLE FOR 10/12MM GLASS THICKNESS**

AVAILABLE FINISHES

- Polished Chrome
- Satin Chrome
- Special finishes on request, lead time applies

TECHNICAL DETAILS

- Shower hinge wall mount – single side – heavy duty
- Manufactured in brass
- Dual action hinge, opening inwards and outwards
- Self-closing from approximately 15°
- Using two hinges: maximum door weight 50kg – maximum door width 900mm
- Using three hinges: maximum door weight 60kg – maximum door width 900mm
- Suitable for 10mm and 12mm glass thickness

HD.ES2 180° Glass to Glass SUITABLE FOR 10/12MM GLASS THICKNESS



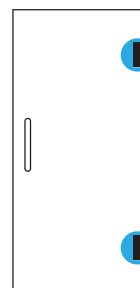
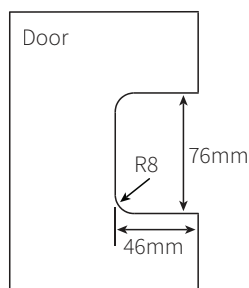
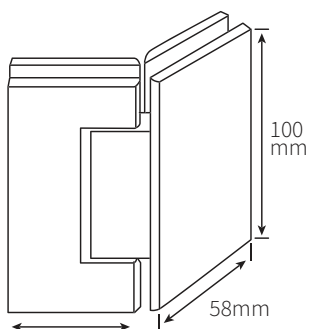
AVAILABLE FINISHES

- Polished Chrome
- Satin Chrome
- Special finishes on request, lead time applies

TECHNICAL DETAILS

- Shower hinge 180° glass to glass – heavy duty
- Manufactured in brass
- Dual action hinge, opening inwards and outwards
- Self-closing from approximately 15°
- Using two hinges: maximum door weight 50kg – maximum door width 900mm
- Using three hinges: maximum door weight 60kg – maximum door width 900mm
- Suitable for 10mm and 12mm glass thickness

HD.ES2.135 135° Glass to Glass SUITABLE FOR 10/12MM GLASS THICKNESS



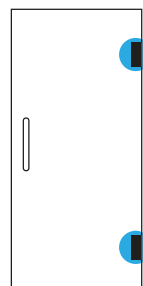
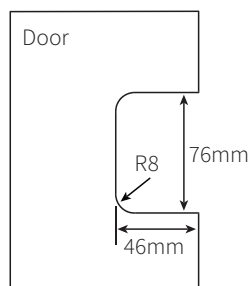
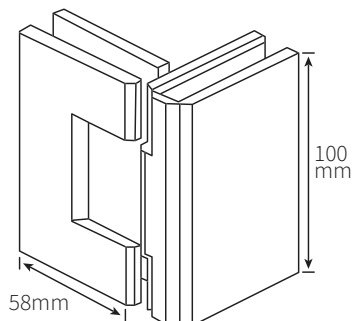
AVAILABLE FINISHES

- Polished Chrome
- Satin Chrome
- Special finishes on request, lead time applies

TECHNICAL DETAILS

- Shower hinge 135° glass to glass
- Manufactured in brass
- Dual action hinge, opening inwards and outwards
- Self-closing from approximately 15°
- Using two hinges: maximum door weight 50kg – maximum door width 900mm
- Using three hinges: maximum door weight 60kg – maximum door width 900mm
- Suitable for 10mm and 12mm glass thickness

HD.ES2.90 90° Glass to Glass SUITABLE FOR 10/12MM GLASS THICKNESS



AVAILABLE FINISHES

- Polished Chrome
- Satin Chrome
- Special finishes on request, lead time applies

TECHNICAL DETAILS

- Shower hinge 90° glass to glass
- Manufactured in brass
- Dual action hinge, opening inwards and outwards
- Self-closing from approximately 15°
- Using two hinges: maximum door weight 50kg – maximum door width 900mm
- Using three hinges: maximum door weight 60kg – maximum door width 900mm
- Suitable for 10mm and 12mm glass thickness

GHA-SCSH Soft Close Shower Hinge

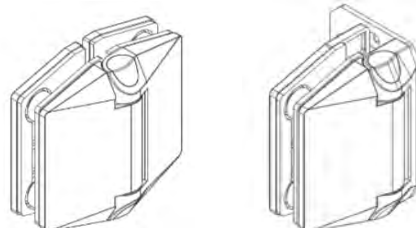
AVAILABLE FINISHES

- Polished Chrome
- Satin Chrome

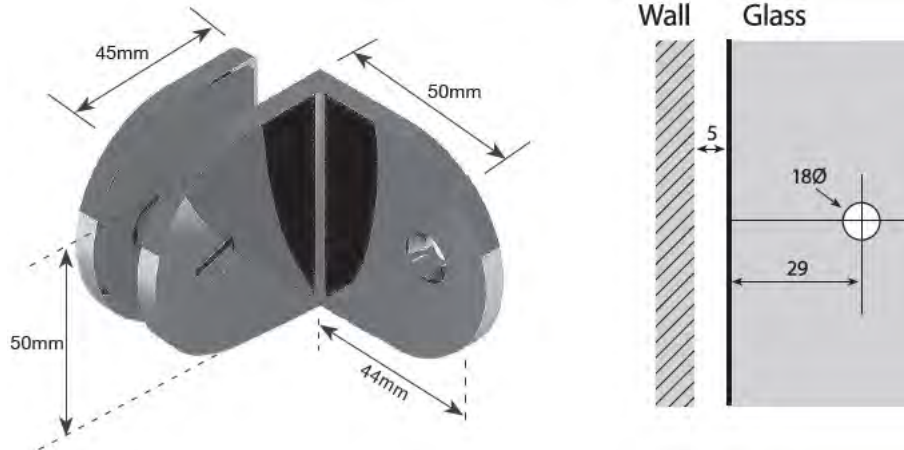


TECHNICAL DETAILS

- The most innovative shower door hinge for the last 20 years
- Patented soft close hinge designed for shower doors
- The only hinge designed specifically for soft close operation
- Brass construction – Polished or Satin chrome finishes
- Unique 'Tri-Action' closing system consisting of a spring, rare earth magnets and hydraulic shock absorbers resulting in a premium self-closing hinge
- State-of-the-art product unrivalled in design, style and safety
- Awarded a prestigious Australian International Design Mark Award™
- Suitable for 10mm and 12mm toughened glass



SB50 Wall Fix Shower Bracket



AVAILABLE FINISHES

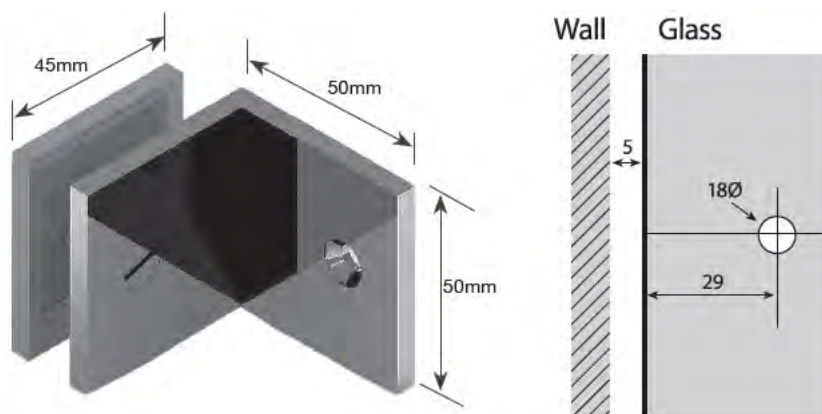
- Polished Chrome
- Satin Chrome
- Special finishes on request, lead time applies

TECHNICAL DETAILS

- Manufactured in Brass
- 90° glass panel to wall fixing
- Standard for 10mm glass
- Suitable for 8mm, 10mm and 12mm glass

Specify glass thickness when ordering

SB50SQ Square Wall Fix Shower Bracket



AVAILABLE FINISHES

- Polished Chrome
- Satin Chrome
- Matte Black
- Special finishes on request, lead time applies

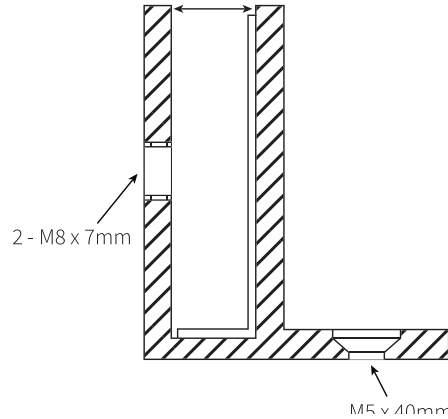
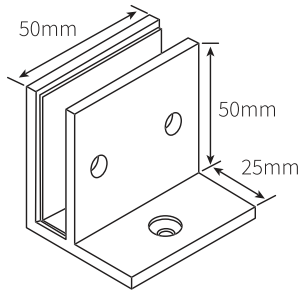
TECHNICAL DETAILS

- Manufactured in Brass
- 90° glass panel to wall fixing
- Standard for 10mm glass
- Suitable for 8mm, 10mm and 12mm glass

Specify glass thickness when ordering

BLACK

SB50-NH-SQ Square Wall Fix Shower Bracket



AVAILABLE FINISHES

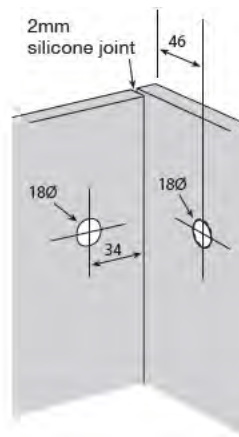
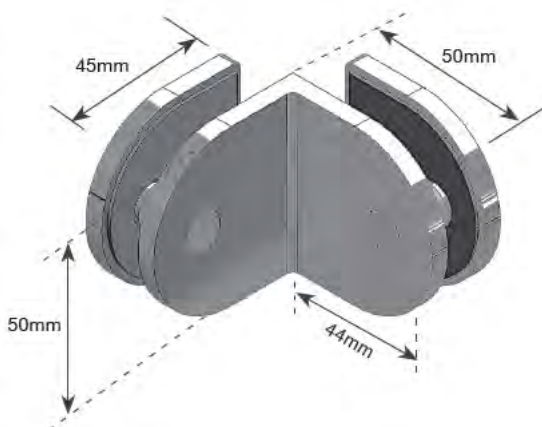
- Polished Chrome
- Satin Chrome
- Special finishes on request, lead time applies

TECHNICAL DETAILS

- Manufactured in Brass
- 90° glass panel to wall fixing
- Standard for 10mm glass
- Suitable for 8mm, 10mm and 12mm glass

Specify glass thickness when ordering

SBD50 Glass to Glass Fix Shower Bracket – Double Sided



AVAILABLE FINISHES

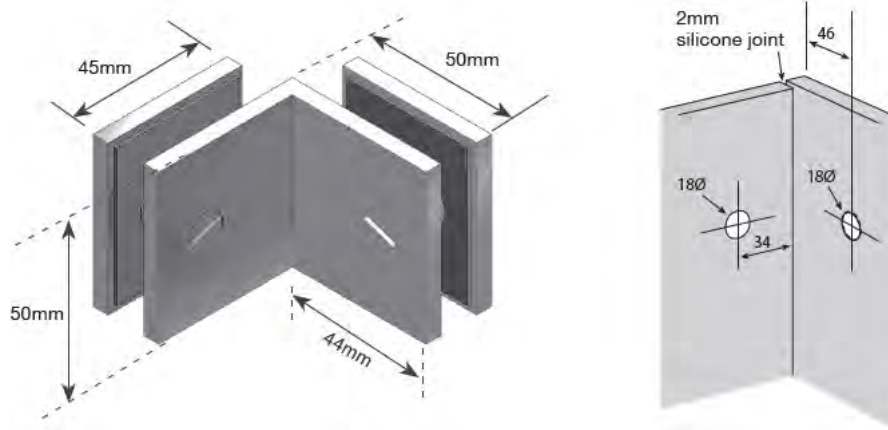
- Polished Chrome
- Satin Chrome
- Special finishes on request, lead time applies

TECHNICAL DETAILS

- Manufactured in Brass
- 90° glass panel to wall fixing
- Standard for 10mm glass
- Suitable for 8mm, 10mm and 12mm glass

Specify glass thickness when ordering

SBD50SQ Square Glass to Glass Fix Shower Bracket – Double Sided



AVAILABLE FINISHES

- Polished Chrome
- Satin Chrome
- Matte Black
- Special finishes on request, lead time applies

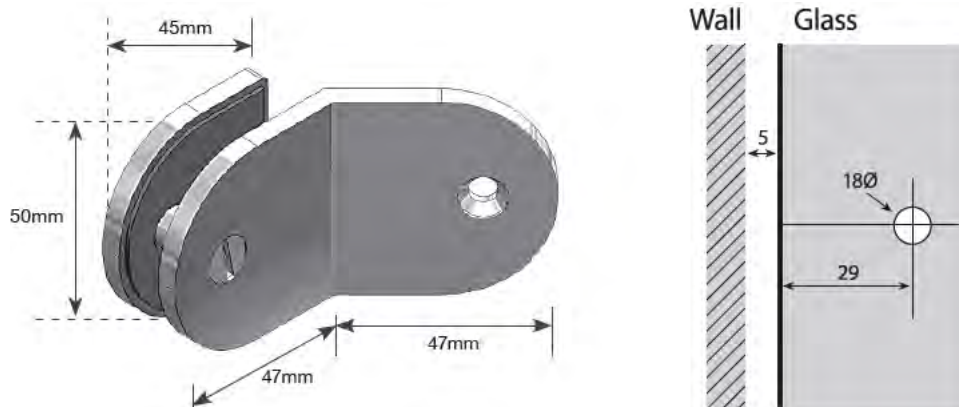
TECHNICAL DETAILS

- Manufactured in Brass
- 90° glass panel to wall fixing
- Standard for 10mm glass
- Suitable for 8mm, 10mm and 12mm glass

Specify glass thickness when ordering

BLACK

SB135 Wall Fix Shower Bracket



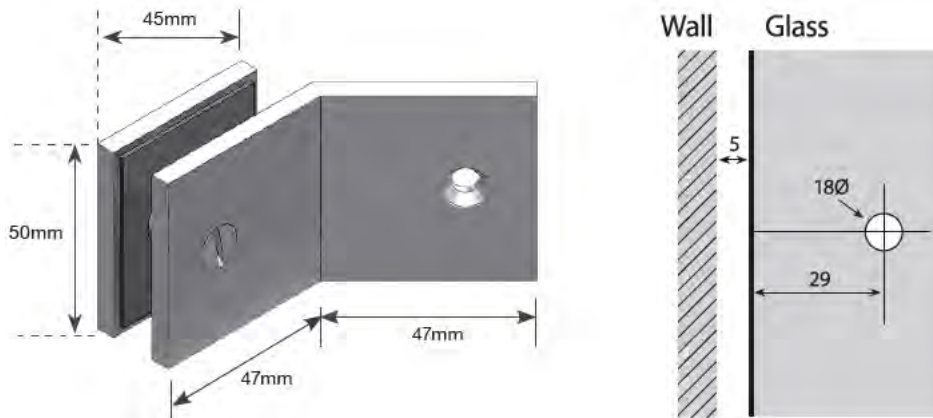
AVAILABLE FINISHES

- Polished Chrome
- Satin Chrome
- Special finishes on request, lead time applies

TECHNICAL DETAILS

- Manufactured in Brass
- 135° glass panel to wall fixing
- Standard for 10mm glass
- Suitable for 8mm, 10mm and 12mm glass

Specify glass thickness when ordering

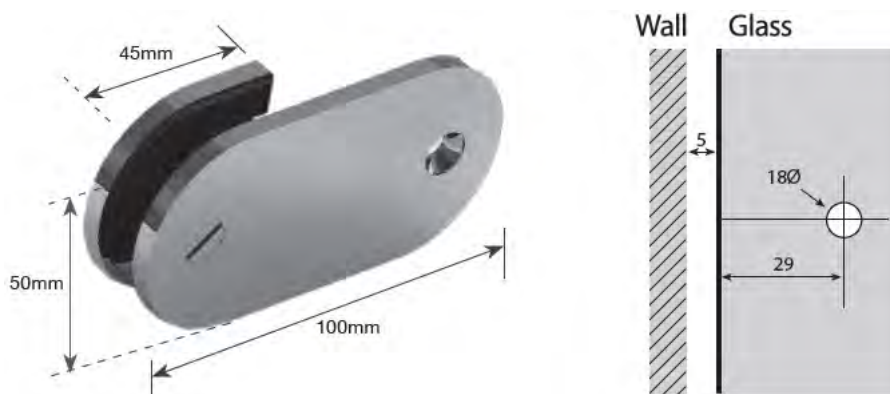
SB135SQ Square Wall Fix Shower Bracket

AVAILABLE FINISHES

- Polished Chrome
- Satin Chrome
- Special finishes on request, lead time applies

TECHNICAL DETAILS

- Manufactured in Brass
- 135° glass panel to wall fixing
- Standard for 10mm glass
- Suitable for 8mm, 10mm and 12mm glass

Specify glass thickness when ordering

SB180 Wall Fix Shower Bracket

AVAILABLE FINISHES

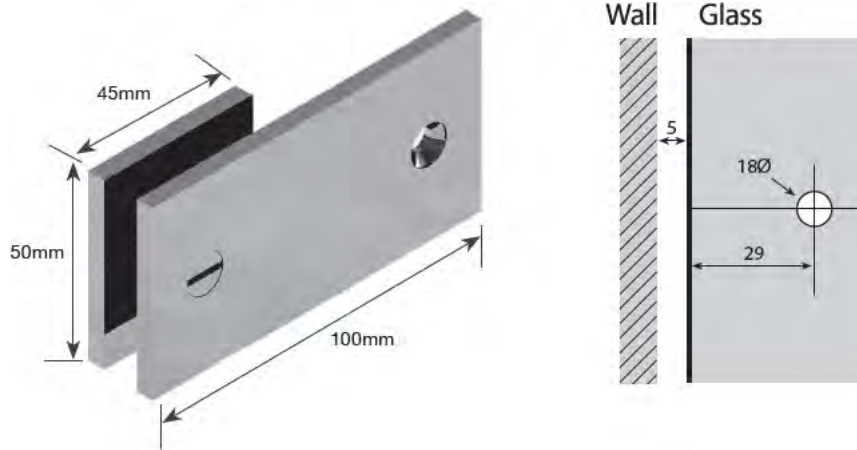
- Polished Chrome
- Satin Chrome
- Special finishes on request, lead time applies

TECHNICAL DETAILS

- Manufactured in Brass
- 180° glass panel to wall fixing
- Standard for 10mm glass
- Suitable for 8mm, 10mm and 12mm glass

Specify glass thickness when ordering

SB180SQ Square Wall Fix Shower Bracket



AVAILABLE FINISHES

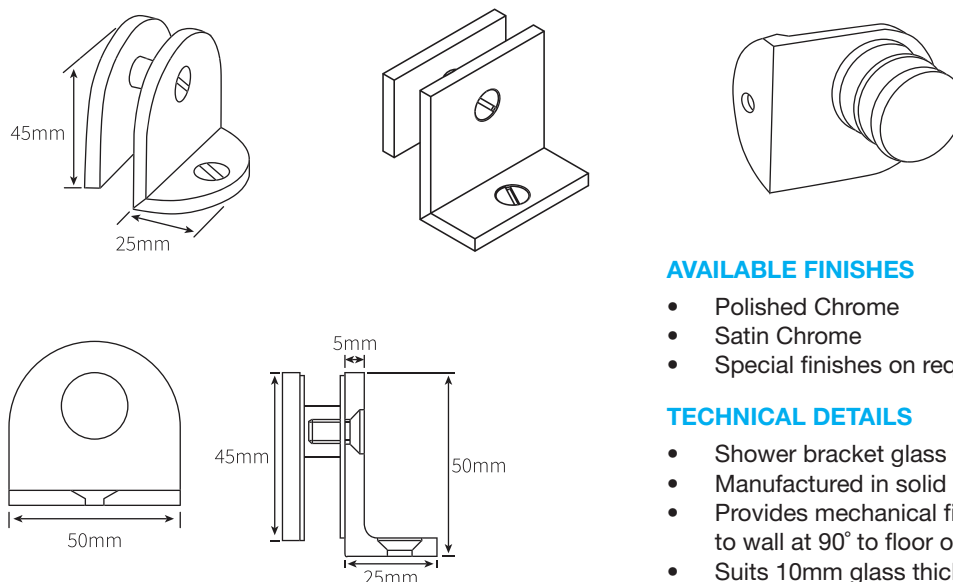
- Polished Chrome
- Satin Chrome
- Special finishes on request, lead time applies

TECHNICAL DETAILS

- Manufactured in Brass
- 180° glass panel to wall fixing
- Standard for 10mm glass
- Suitable for 8mm, 10mm and 12mm glass

Specify glass thickness when ordering

SB50.C2 (ROUND) / SB50.C2.SQ (SQUARE) / SB50.C2.B (BUTTON) Glass to Wall Fixed Custom 2 Shower Bracket



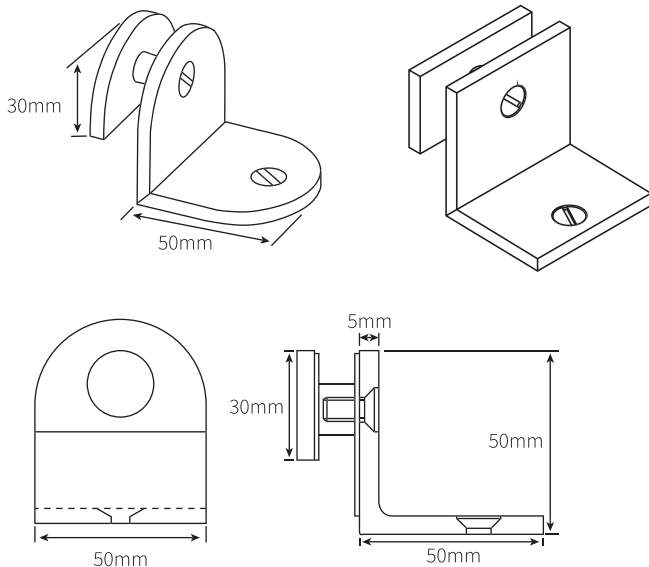
Specify glass thickness, material finish and bracket type when ordering

AVAILABLE FINISHES

- Polished Chrome
- Satin Chrome
- Special finishes on request, lead time applies

TECHNICAL DETAILS

- Shower bracket glass to wall fixed custom 2
- Manufactured in solid brass
- Provides mechanical fixing of glass panel to wall at 90° to floor or wall
- Suits 10mm glass thickness
- Adaptable for 6mm, 8mm and 12mm glass thickness on request
- Suitable when fixing area is restricted

SB50.C3 (ROUND) / SB50.C3.SQ (SQUARE) / SB50.C3.B (BUTTON)
Glass to Wall Fixed Shower Bracket


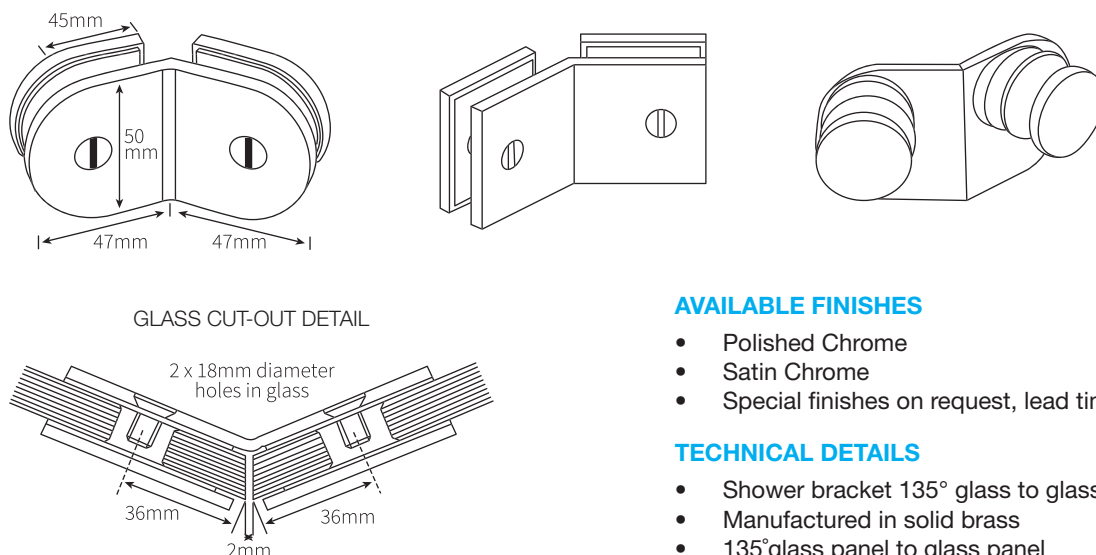
Specify glass thickness, material finish and bracket type when ordering

AVAILABLE FINISHES

- Polished Chrome
- Satin Chrome
- Special finishes on request, lead time applies

TECHNICAL DETAILS

- Shower bracket glass to wall fixed custom 3
- Manufactured in solid brass
- Provides mechanical fixing of glass panel to wall at 90° to floor or wall
- Suits 10mm glass thickness
- Adaptable for 6mm, 8mm and 12mm glass thickness on request
- Suitable when the bracket fixing point is lower than the glass edge

SBD135 (ROUND) / SBD135.SQ (SQUARE) / SBD135.B (BUTTON)
135° Glass to Glass Fixed Shower Bracket


Specify glass thickness, material finish and bracket type when ordering

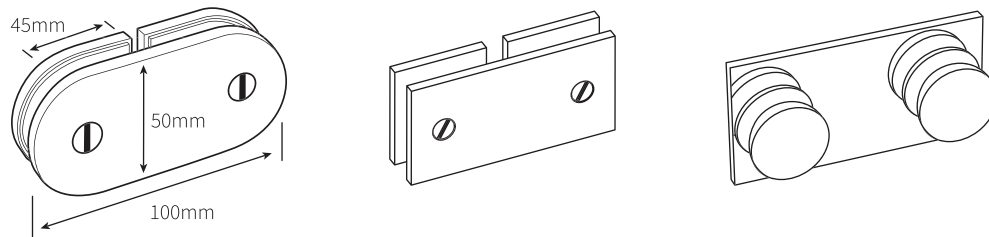
AVAILABLE FINISHES

- Polished Chrome
- Satin Chrome
- Special finishes on request, lead time applies

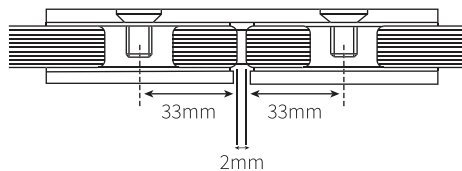
TECHNICAL DETAILS

- Shower bracket 135° glass to glass fixed
- Manufactured in solid brass
- 135° glass panel to glass panel
- Suits 10mm glass thickness
- Adaptable for 6mm, 8mm and 12mm glass thickness on request

SB180 (ROUND) / SB180.SQ (SQUARE) / SB180.B (BUTTON)
180° Glass to Glass Double Sided Flat Fixed Shower Bracket



GLASS CUT-OUT DETAIL



Specify glass thickness, material finish and bracket type when ordering

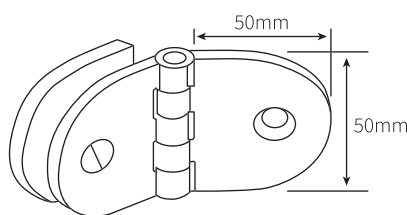
AVAILABLE FINISHES

- Polished Chrome
- Satin Chrome
- Special finishes on request, lead time applies

TECHNICAL DETAILS

- Shower bracket 180° glass to glass double sided flat fixed
- Manufactured in solid brass
- Fixing of two glass panels at 180°
- Suits 10mm glass thickness
- Adaptable for 6mm, 8mm and 12mm glass thickness on request

SB50.CAB (ROUND) / SB50.CAB.SQ (SQUARE) / SB50.CAB.B (BUTTON)
Adjustable Wall Fix Shower Bracket



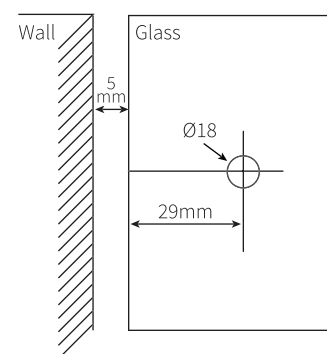
AVAILABLE FINISHES

- Polished Chrome
- Satin Chrome
- Special finishes on request, lead time applies

TECHNICAL DETAILS

- Shower bracket adjustable wall fix
- Manufactured in solid brass
- 240° glass panel to wall fixing
- Adaptable to suit any non-square walls by loosening allen key screw
- Suits 10mm glass thickness
- Adaptable for 6mm, 8mm and 12mm glass thickness on request

GLASS CUT-OUT DETAIL



Specify glass thickness, material finish and bracket type when ordering

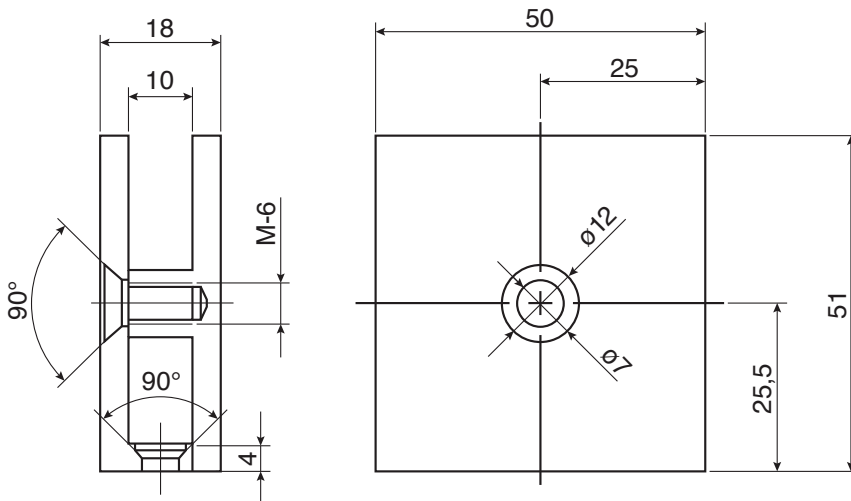
SB50NL Shower Support Bracket

AVAILABLE FINISHES

- Polished Stainless
- Satin Chrome

TECHNICAL DETAILS

- 50mm x 50mm size
- No hole necessary

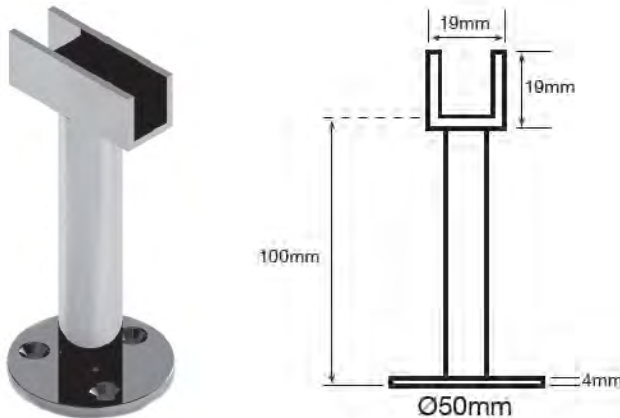
SB50NL (with Hole in Glass) Shower Support Bracket

AVAILABLE FINISHES

- Polished Stainless
- Satin Chrome

TECHNICAL DETAILS

- 50mm x 50mm size
- Hole in glass 18mm diameter, 25mm from edge of glass

SSB100 Shower Support Bracket



AVAILABLE FINISHES

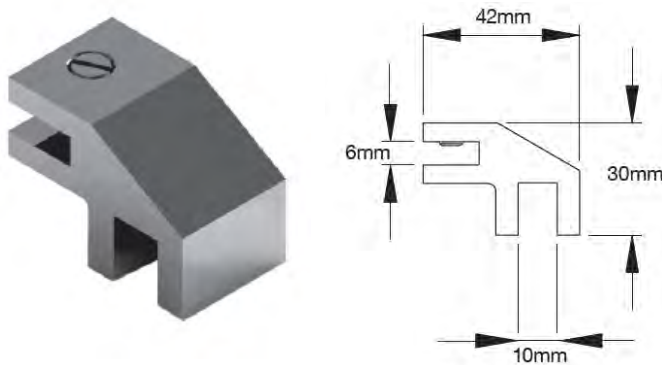
- Polished Chrome
- Satin Chrome
- Special finishes on request, lead time applies

TECHNICAL DETAILS

- Manufactured in solid Brass
- 50mm diameter base and 19mm diameter leg
- 19 x 19 U channel

*N.B. Standard 100mm height
Custom sizes up to 500mm height*

OPF2 Overpanel Fitting



AVAILABLE FINISHES

- Polished Stainless
- Satin Chrome

TECHNICAL DETAILS

- Suits 10mm glass shower with 6mm glass overpanel
- Fixing to glass by teflon tipped grub screw

SB6 / SB8 / SB10 / SB12 Glass Shelf Brackets



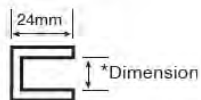
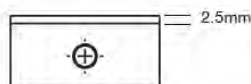
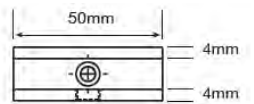
AVAILABLE FINISHES

- Polished Chrome
- Satin Chrome
- Special finishes on request, lead time applies

TECHNICAL DETAILS

- Manufactured in Brass
- Fixing to glass by teflon tipped grub screw
- Fixing to wall by counter sunk hole through bracket

Dimensions to suit 6mm, 8mm, 10mm and 12mm glass

SB6SQ / SB8SQ / SB10SQ / SB12SQ Square Glass Shelf Brackets


* SB6SQ = 6.2mm SB8SQ = 8.2mm
 SB10SQ = 10.2mm SB12SQ = 12.2mm

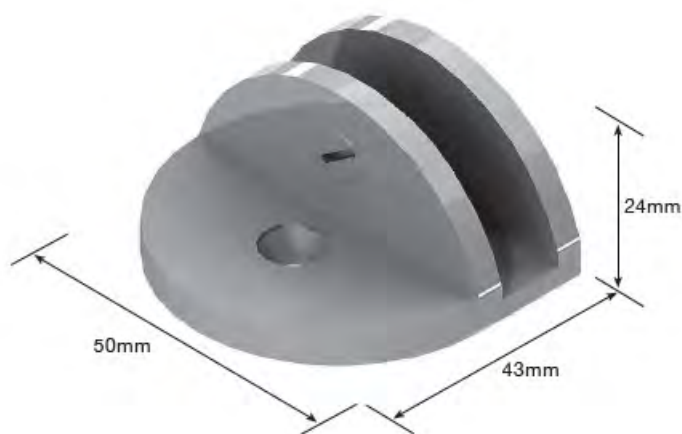
AVAILABLE FINISHES

- Polished Chrome
- Satin Chrome
- Matte Black
- Special finishes on request, lead time applies

TECHNICAL DETAILS

- Manufactured in Brass
- Fixing to glass by teflon tipped grub screw
- Fixing to wall by counter sunk hole through bracket

Dimensions to suit 6mm, 8mm, 10mm and 12mm glass

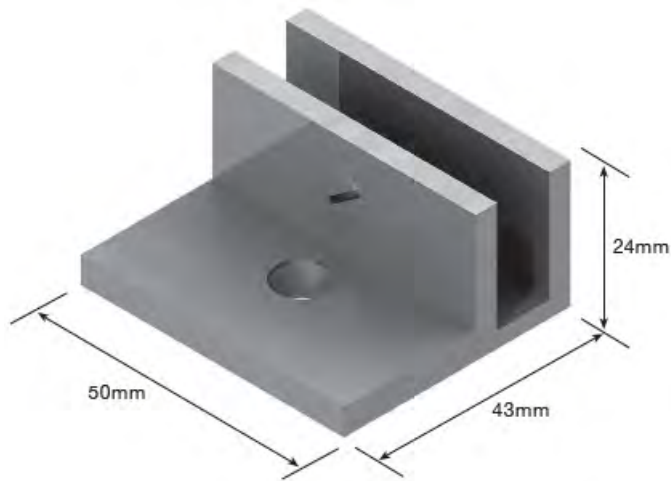
BLACK
SB10HL

AVAILABLE FINISHES

- Polished Chrome
- Satin Chrome
- Special finishes on request, lead time applies

TECHNICAL DETAILS

- Manufactured in Brass
- Fixing to glass by teflon tipped grub screw
- Fixing to wall by counter sunk hole through bracket
- Suits 10mm glass

SB10HLSQ Square Glass Shelf Bracket



AVAILABLE FINISHES

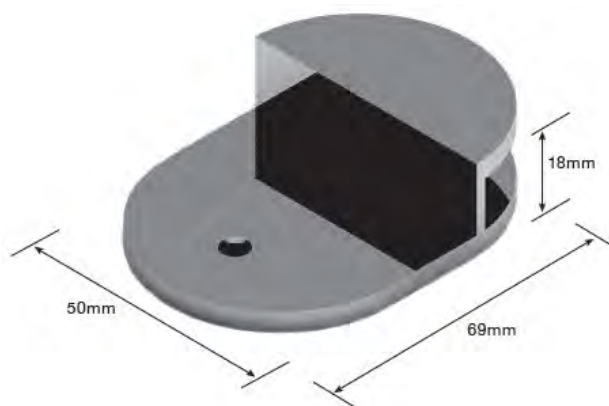
- Polished Chrome
- Satin Chrome
- Matte Black
- Special finishes on request, lead time applies

TECHNICAL DETAILS

- Manufactured in Brass
- Fixing to glass by teflon tipped grub screw
- Fixing to wall by counter sunk hole through bracket
- Suits 10mm glass

BLACK

SB10VL Glass Shelf Bracket



AVAILABLE FINISHES

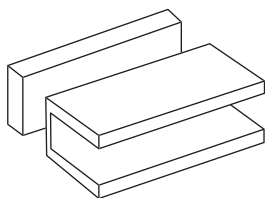
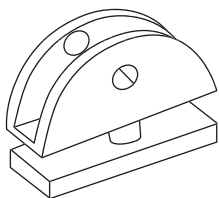
- Polished Chrome
- Satin Chrome
- Special finishes on request, lead time applies

TECHNICAL DETAILS

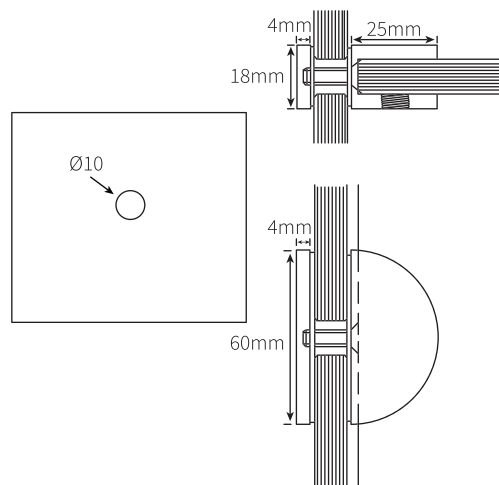
- Manufactured in Brass
- Fixing to glass by teflon tipped grub screw
- Fixing to wall by counter sunk hole through bracket
- Suits 10mm glass

SB10.GF (ROUND) / SB10.GF.SQ (SQUARE)

Shower Glass Shelf Bracket with Grub Screw



GLASS PREPARATION



AVAILABLE FINISHES

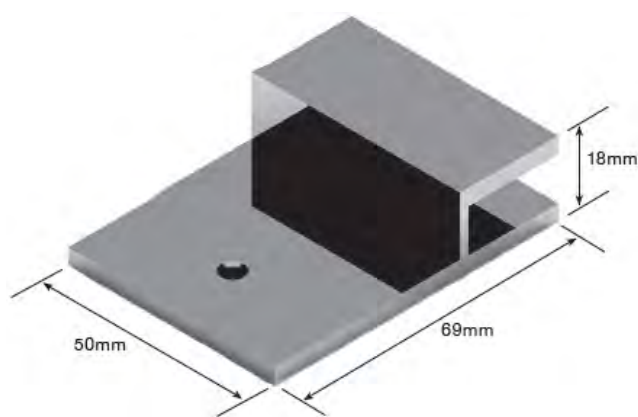
- Polished Chrome
- Satin Chrome
- Special finishes on request, lead time applies

TECHNICAL DETAILS

- Glass shelf bracket with grub screw
- Manufactured in solid brass
- Facilitates fixing of glass shelves through glass panels
- Suits 10mm glass thickness

Specify glass thickness, material finish and bracket type when ordering

SB10VLSQ Square Glass Shelf Bracket



AVAILABLE FINISHES

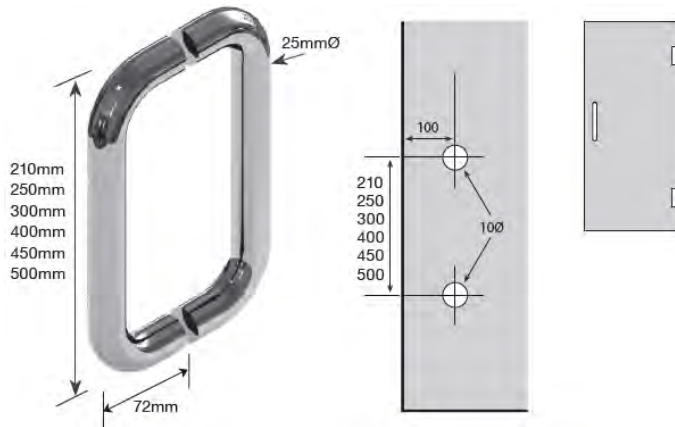
- Polished Chrome
- Satin Chrome
- Matte Black
- Special finishes on request, lead time applies

TECHNICAL DETAILS

- Manufactured in Brass
- Fixing to glass by teflon tipped grub screw
- Fixing to wall by counter sunk hole through bracket
- Suits 10mm glass

BLACK

SH210 / 250 / 300 / 400 / 450 / 500 Double D Pull Handle



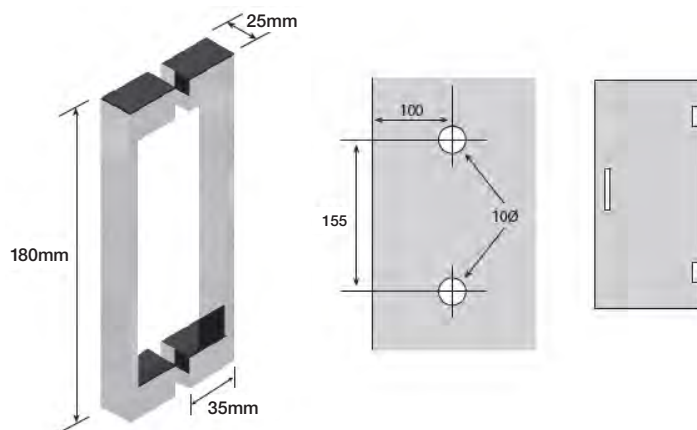
AVAILABLE FINISHES

- Polished Stainless
- Satin Chrome
- Special finishes on request, lead time applies

TECHNICAL DETAILS

- Stainless tube, 25mm diameter
- Suitable for 6mm, 8mm, 10mm and 12mm glass
- Hole centres 210mm, 250mm, 300mm, 400mm, 450mm, 500mm
- Hole diameter 10mm
- Supplied as a pair

CUBIX 15 Double Pull Handle



AVAILABLE FINISHES

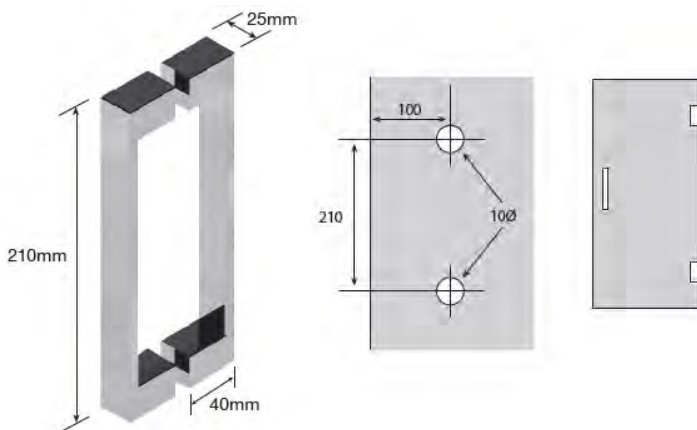
- Polished Stainless
- Matte Black

BLACK

TECHNICAL DETAILS

- Rail 25mm width
- Hole centres 155mm
- Hole diameter 10mm
- Supplied as a pair

CUBIX 25 Double Pull Handle



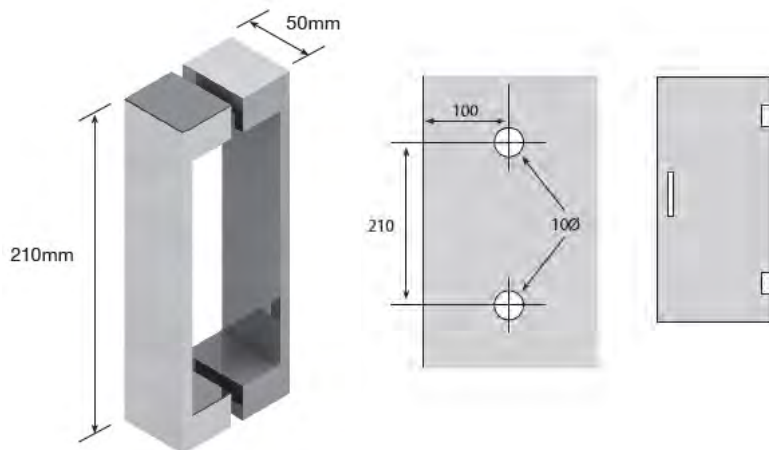
AVAILABLE FINISHES

- Polished Stainless
- Satin Chrome
- Special finishes on request, lead time applies

TECHNICAL DETAILS

- Rail 25mm width
- Hole centres 210mm
- Hole diameter 10mm
- Supplied as a pair

CUBIX 50 Double Pull Handle



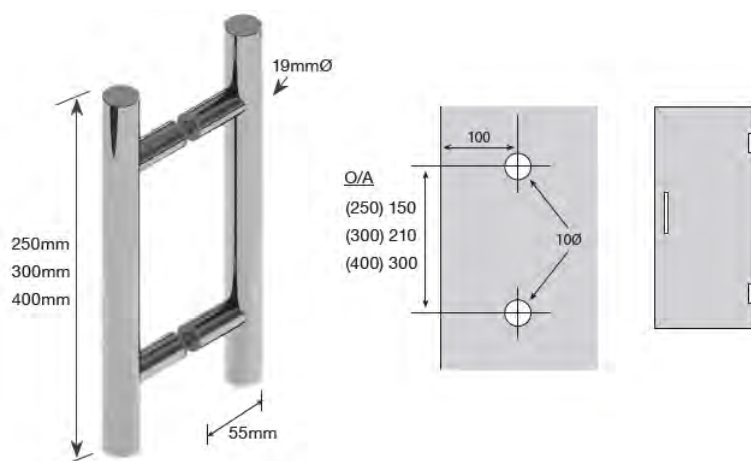
AVAILABLE FINISHES

- Polished Stainless
- Satin Chrome
- Special finishes on request, lead time applies

TECHNICAL DETAILS

- Rail 25mm width
- Hole centres 210mm
- Hole diameter 20mm
- Supplied as a pair

HM 150 / 210 / 300 Marsh Handle



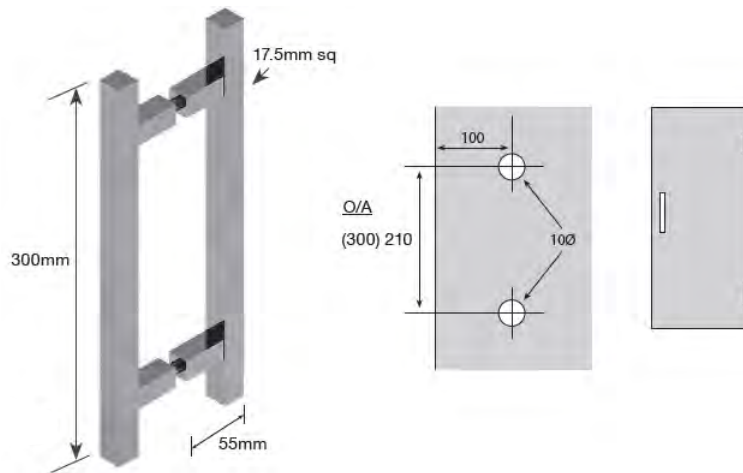
AVAILABLE FINISHES

- Polished Chrome
- Satin Chrome
- Special finishes on request, lead time applies

TECHNICAL DETAILS

- Solid Brass, 19mm diameter
- Suitable for 6mm, 8mm, 10mm and 12mm glass
- Hole centres 150mm, 210mm, 300mm
- Hole diameter 10mm
- Supplied as a pair

HM210SQ Square Marsh Handle



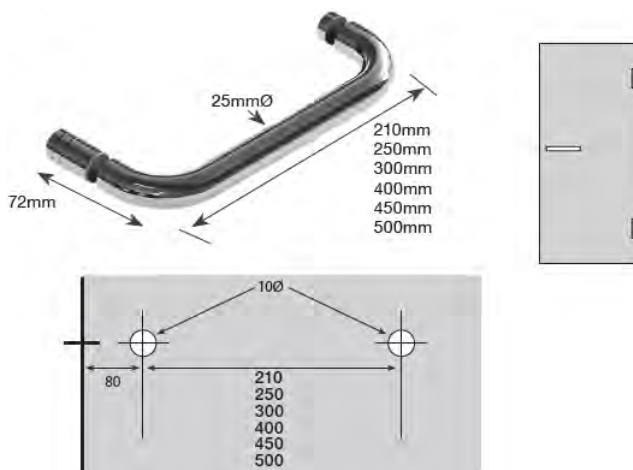
AVAILABLE FINISHES

- Polished Chrome
- Satin Chrome
- Special finishes on request, lead time applies

TECHNICAL DETAILS

- Solid Brass, 17.5mm diameter
- Suitable for 6mm, 8mm, 10mm and 12mm glass
- Hole centres 210mm
- Hole diameter 10mm
- Supplied as a pair
- Other sizes as per round Marsh can be custom ordered

TRK210 / 250 / 300 / 400 / 450 / 500 Towel Handle/Pull Knob



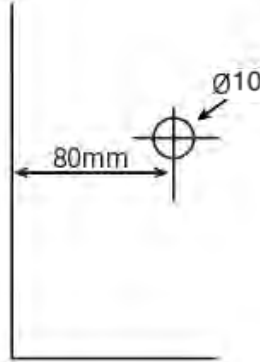
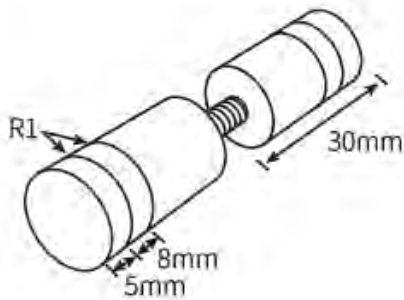
AVAILABLE FINISHES

- Polished Stainless
- Satin Chrome
- Special finishes on request, lead time applies

TECHNICAL DETAILS

- Stainless tube, 25mm diameter
- Suitable for 6mm, 8mm, 10mm and 12mm glass
- Hole centres 210mm, 250mm, 300mm, 400mm, 450mm, 500mm
- Hole diameter 10mm

MSK40 Double Pull Knob



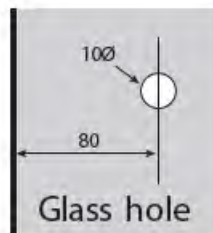
AVAILABLE FINISHES

- Polished Chrome
- Satin Chrome
- Special finishes on request, lead time applies

TECHNICAL DETAILS

- Pull knob double 25mm diameter
- Solid brass
- Supplied as a pair

SK40 Double Pull Knob



AVAILABLE FINISHES

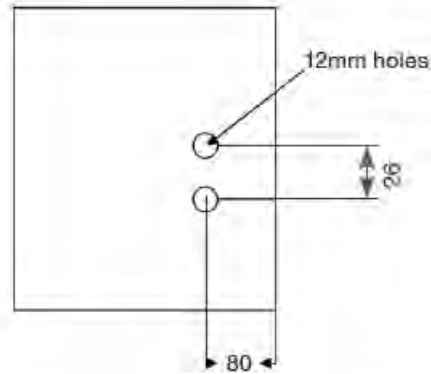
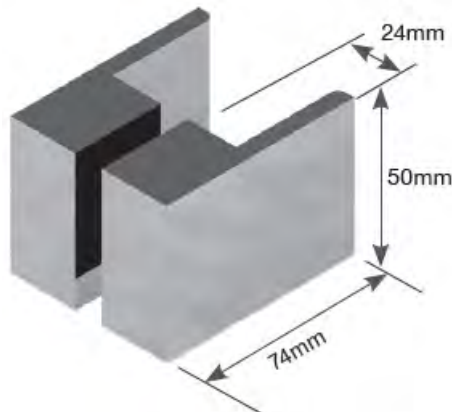
- Polished Chrome
- Satin Chrome
- Matte Black
- Special finishes on request, lead time applies

TECHNICAL DETAILS

- Solid Brass, 25mm diameter
- Hole diameter 10mm
- Supplied as a pair
- Also available as a single knob with button

BLACK

SK50 Square Double Pull Knob



AVAILABLE FINISHES

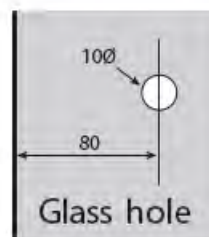
- Polished Chrome
- Satin Chrome
- Matte Black
- Special finishes on request, lead time applies

TECHNICAL DETAILS

- Solid Brass, 50mm x 74mm
- Glass hole configuration needs to be slotted
- Supplied as a pair

BLACK

SK60 Double Pull Knob



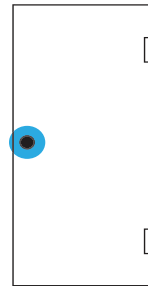
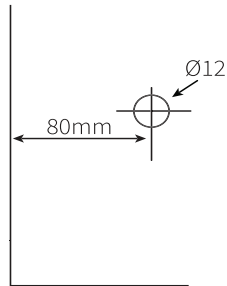
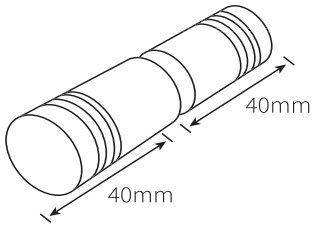
AVAILABLE FINISHES

- Polished Chrome
- Satin Chrome
- Special finishes on request, lead time applies

TECHNICAL DETAILS

- Solid Brass, 38mm diameter
- Hole diameter 10mm
- Supplied as a pair

SK30 Double Pull Knob



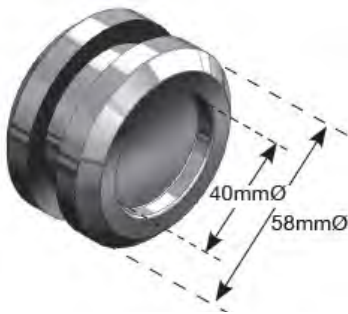
AVAILABLE FINISHES

- Polished Chrome
- Satin Chrome
- Special finishes on request, lead time applies

TECHNICAL DETAILS

- Pull knob double 32mm diameter
- Solid brass
- Supplied as a pair

SK90 Single Door Finger Pull



AVAILABLE FINISHES

- Polished Chrome
- Satin Chrome

TECHNICAL DETAILS

- Glass hole diameter 48mm
- Supplied as a pair
- Suits 8mm and 10mm glass

SK35 Double Pull Knob



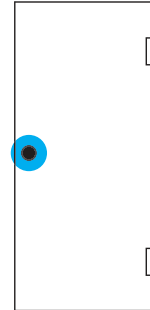
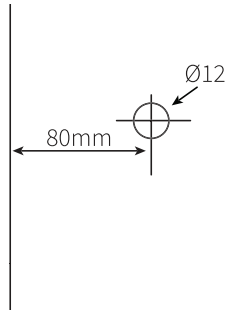
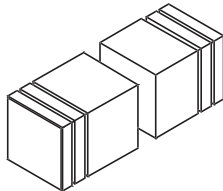
AVAILABLE FINISHES

- Polished Chrome
- Satin Chrome

TECHNICAL DETAILS

- Glass hole diameter 12mm
- Supplied as a pair
- Suits 8mm and 10mm glass

SK40-SQ Square Double Pull Knob



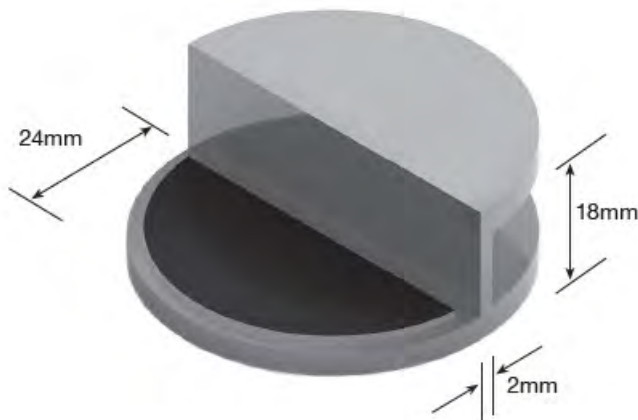
AVAILABLE FINISHES

- Polished Chrome
- Satin Chrome
- Special finishes on request, lead time applies

TECHNICAL DETAILS

- Glass hole diameter 12mm
- Supplied as a pair

SB10STOP Shower Door Stop



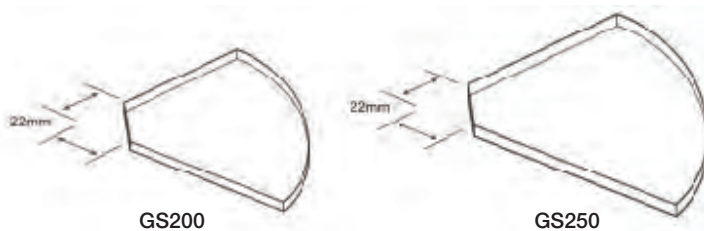
AVAILABLE FINISHES

- Polished Chrome
- Satin Chrome
- Special finishes on request, lead time applies

TECHNICAL DETAILS

- Manufactured in Brass
- Fixing to glass by teflon tipped grub screw
- Fixing to wall by counter sunk hole through bracket
- Suits 10mm glass

GS200 / GS250 Corner Glass Shelf



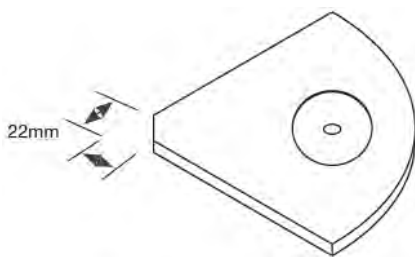
CORNER GLASS SHELVES

- GS200 with 200mm radius
- GS250 with 250mm radius

TECHNICAL DETAILS

- Available in either 10mm toughened clear glass or 10mm toughened low iron glass

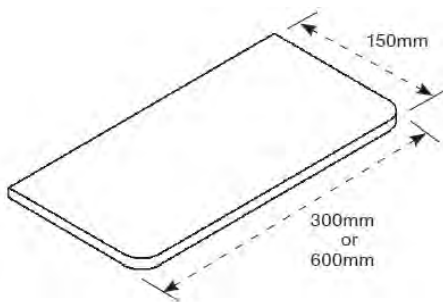
GS200S Corner Glass Shelf with Soap Recess



TECHNICAL DETAILS

- 10mm toughened glass
- Soap recess
- 20mm radius

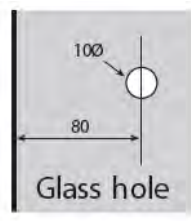
GSRECT03 / GSRECT04 Rectangular Glass Shelf



TECHNICAL DETAILS

- 10mm toughed glass
- Radius corners
- GSRECT03: 300mm x 150mm
- GSRECT04: 600mm x 150mm

RH1 Robe Hook



AVAILABLE FINISHES

- Polished Chrome
- Satin Chrome

TECHNICAL DETAILS

- Manufactured in solid Brass
- 38mm diameter

GHASBGG Glass to Glass Shower Bracing Bar



AVAILABLE FINISHES

- Chrome
- Satin Chrome available on request

TECHNICAL DETAILS

- Adjusts from 725mm to 1180mm
- Attaches to fixed panels
- Fits 6mm, 8mm, 10mm glass

GHASBGW Glass to Wall Shower Bracing Bar



AVAILABLE FINISHES

BLACK

- Chrome
- Matte Black
- Satin Chrome available on request

TECHNICAL DETAILS

- Adjusts from 725mm to 1180mm
- Attaches to fixed panels
- Fits 6mm, 8mm, 10mm glass

GHASBGW45 Glass to Wall Shower Bracing Bar



AVAILABLE FINISHES

- Chrome
- Satin Chrome available on request

TECHNICAL DETAILS

- Adjusts from 725mm to 995mm
- 45° option
- Attaches to fixed panels
- Fits 6mm, 8mm, 10mm glass

GHA B Glass to Wall Shower Bracing Bar



AVAILABLE FINISHES

- Chrome
- Satin Chrome available on request

TECHNICAL DETAILS

- Cut to size to maximum length of 1200mm
- Attaches to fixed panels
- Fits 6mm, 8mm, 10mm glass

GHA B SQ Square Bracing Bars



ITEM NO. TK-SQ1919



ITEM NO. TKSQ07



ITEM NO. TKSQ0745



ITEM NO. TKSQ106



ITEM NO. TKSQ014



ITEM NO. TKSQ014D



ITEM NO. TKSQ014L



ITEM NO. TKSQ022



ITEM NO. TKSQ02



ITEM NO. TKSQ03



ITEM NO. TKSQ016

AVAILABLE FINISHES

- Chrome

TECHNICAL DETAILS

- Cut to size to maximum length of 1200mm
- Attaches to fixed panels
- Fits 6mm, 8mm, 10mm glass

SS10 / SS20 Sliding Shower Kit



AVAILABLE FINISHES

- Polished Stainless

TECHNICAL DETAILS

- Two kit sizes: SS10 1100-1400mm
SS20 1400-2000mm
- Manufactured in stainless steel
- Suitable for both inline and square showers
- Designed for 8mm toughened glass
- Anti-jump fixing
- Able to be fixed to glass or solid walls
- Glass hole cutout is 16mm diameter
- Recommended max glass width for door 700mm
- 50mm overlap
- Handle to be positioned 30mm from edges of glass

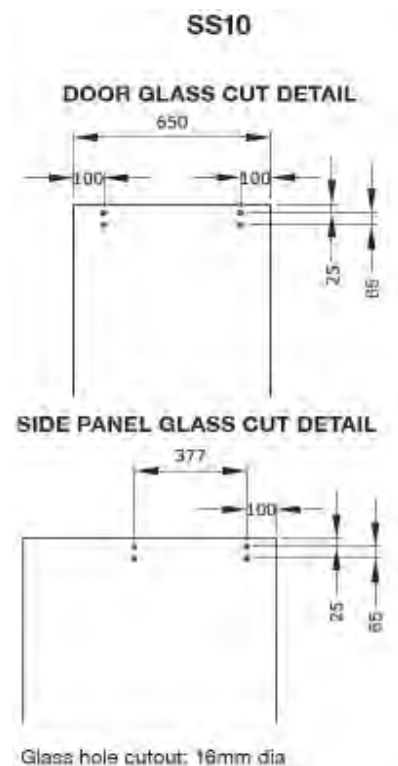
SS10:

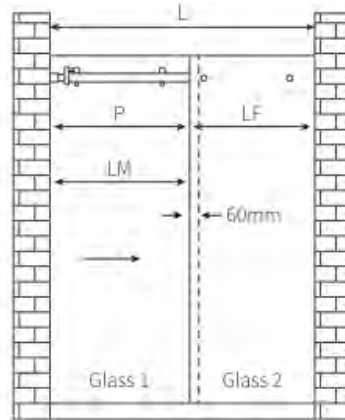
Door Opening 550mm
Pole length: 1140mm

SS20:

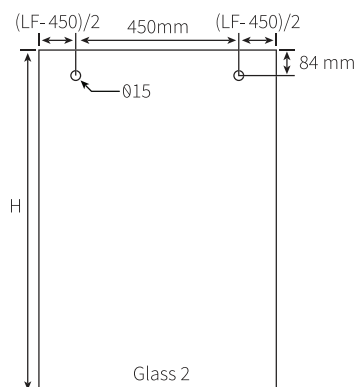
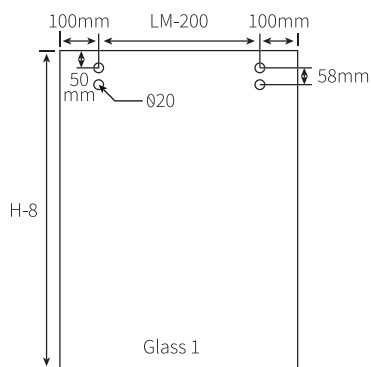
Door opening 600mm
Pole length 1240mm

LEAD TIME APPLIES



OPTO F001 Shower Kit – Slider Inline


$$L = 1,150\text{mm to }1,650\text{mm} \quad P = L/2 \quad LM = P + 60\text{mm} \quad LF = l - l$$


AVAILABLE FINISHES

- Polished Stainless Steel
- Satin Stainless Steel
- Matte Black

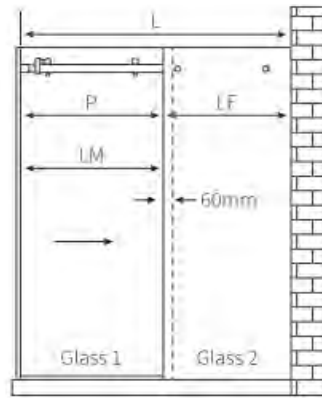
BLACK
TECHNICAL DETAILS

- Manufactured in Stainless steel
- Designed for 10mm toughened glass
- Suitable for both inline and square showers
- Able to be fixed to glass or solid walls
- Maximum hanger load 45kg per door
- Standard rail length - 1650mm

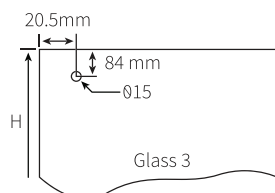
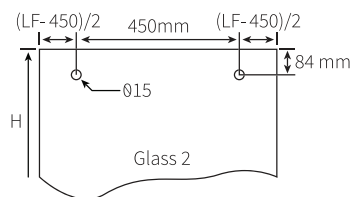
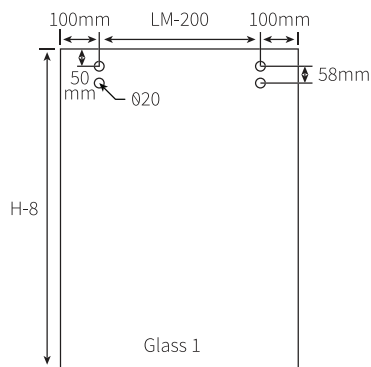
INSTALLATION GUIDE

1. Install fixed panel using your preferred method (brackets, channel, etc.)
2. Install the centre of the mounting blocks from the ST01 wall brackets 12mm inside the fixed panel and inline with the centre of the holes on the fixed panel
3. Cut the rail to length allowing clearance either end for the mounting blocks inside the ST01 wall brackets
4. Slide 2 x ST02 door stops onto the rail, one at either end, followed by the ST01 wall bracket sleeves
5. Install the rail onto the fixed panel and wall using the 2 x ST05 button fixings (remove extra nylon washer for 10mm glass) and slide the ST01 wall bracket sleeves over the mounting blocks and tighten grub screws
6. Install the ST04 rollers to the door and hang door on the rail
7. Install the ST04 guides to the door and adjust in conjunction with the rollers
8. Slide the ST02 door stops into position and tighten grub screws
9. Install ST03 floor guide onto bottom of fixed panel and under door.

OPTO F002 Shower Kit – Slider Square



$L = 1,150\text{mm to } 1,650\text{mm}$ $P = L/2$ $LM = P + 60\text{mm}$ $LF = L - P$



AVAILABLE FINISHES

- Polished Stainless Steel
- Satin Stainless Steel
- Matte Black

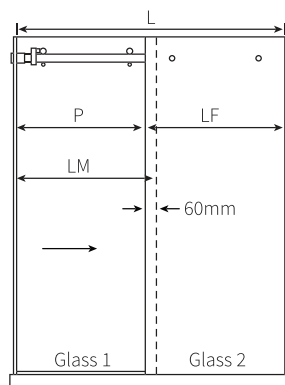
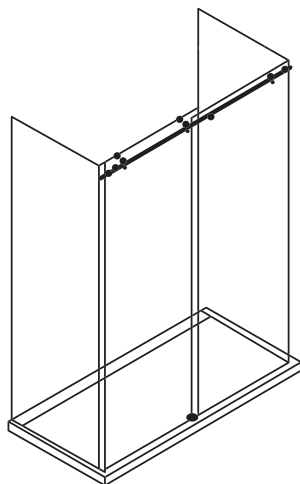
BLACK

TECHNICAL DETAILS

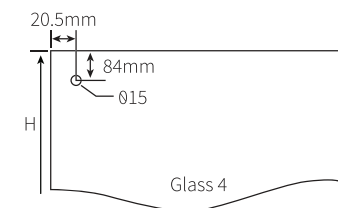
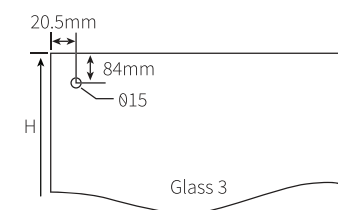
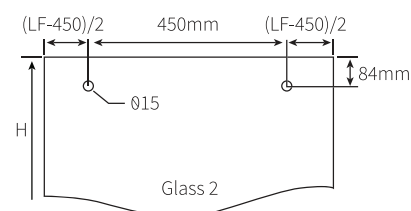
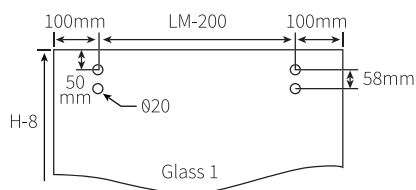
- Manufactured in Stainless steel
- Designed for 10mm toughened glass
- Suitable for both inline and square showers
- Able to be fixed to glass or solid walls
- Maximum hanger load 45kg per door
- Standard rail length - 1650mm

INSTALLATION GUIDE

1. Install fixed and side panel using your preferred method (brackets, channel, etc.).
2. Install the mounting block from the ST07 bracket on the side panel.
3. Install the centre of the mounting block from the ST01 wall bracket 12mm inside the fixed panel and inline with the centre of the holes on the fixed panel.
4. Cut the rail to length allowing clearance either end for the mounting blocks inside the ST01 wall bracket and ST07 side panel bracket.
5. Slide 2 x ST02 door stops onto the rail, one at either end, followed by the ST01 wall bracket sleeve and ST07 side panel bracket sleeve.
6. Install the rail onto the fixed panel using the 2 x ST05 button fixings (remove extra nylon washer for 10mm glass). Slide the ST01 wall bracket sleeve and ST07 side panel bracket sleeve over the mounting blocks and tighten grubscrews.
7. Install the ST04 rollers to the door and hang door on the rail.
8. Install the ST04 guides to the door and adjust in conjunction with the rollers.
9. Slide the ST02 door stops into position and tighten grub screws.
10. Install ST03 floor guide onto bottom of fixed panel and under door.

OPTO F003 Shower Kit – Slider Trio


$L = 1,150\text{mm to } 1,650\text{mm}$ $P = L/2$ $LM = P + 60\text{mm}$ $LF = L$


AVAILABLE FINISHES

- Polished Stainless Steel
- Satin Stainless Steel
- Matte Black

BLACK
TECHNICAL DETAILS

- Manufactured in Stainless steel
- Designed for 10mm toughened glass
- Suitable for both inline and square showers
- Able to be fixed to glass or solid walls
- Maximum hanger load 45kg per door
- Standard rail length - 1650mm

INSTALLATION GUIDE

1. Install fixed and side panels using your preferred method (brackets, channel, etc.).
2. Install the mounting blocks from the ST07 bracket on the side panels.
3. Cut the rail to length allowing clearance either end for the mounting blocks inside the ST07 side panel brackets.
4. Slide 2 x ST02 door stops onto the rail, one at either end, followed by the ST07 side panel bracket sleeves.
5. Install the rail onto the fixed panel using the 2 x ST05 button fixings (remove extra nylon washer for 10mm glass). Slide the ST07 side panel bracket sleeves over the mounting blocks and tighten the grubscrews.
6. Install the ST04 rollers to the door and hang door on the rail.
7. Install the ST04 guides to the door and adjust in conjunction with the rollers.
8. Slide the ST02 door stops into position and tighten grub screws.
9. Install ST03 floor guide onto bottom of fixed panel and under door.

SLY-001 / SLY-002 / SLY-003 Sliding 3-Door Screen



AVAILABLE FINISHES

- Natural Anodised
- Special finishes upon request

TECHNICAL DETAILS

- Suitable for 6mm and 8mm toughened glass
- Return can be 10mm toughened glass

HSS HydroSlider



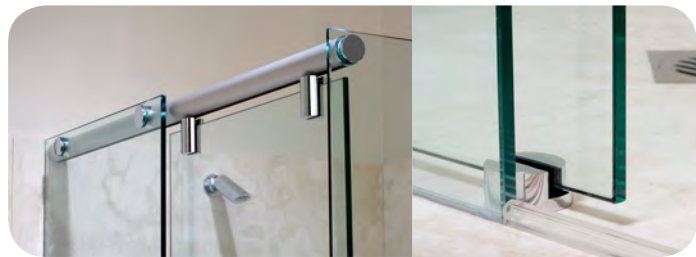
AVAILABLE FINISHES

- Chrome
- Satin Chrome

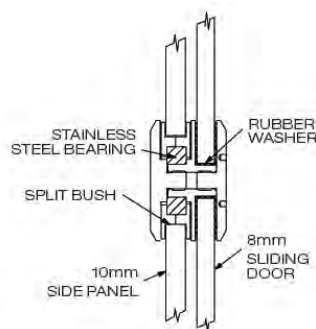


TECHNICAL DETAILS

- Versatile design – wall-to-wall, corner or three sided configurations
- Fixed panels can be fitted either side or above the sliding door
- Safe and secure door fastening. NO derailment problems
- Recommended use of 8mm or 10mm thick grade A, toughened safety glass



SS21 Euroglide Rollers



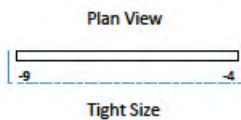
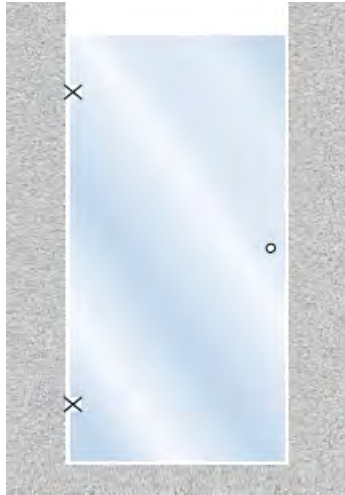
AVAILABLE FINISHES

- Polished Stainless
- Satin Chrome

TECHNICAL DETAILS

- 50mm s/s discs with s/s bearings and black acetyl bush (two required per door)
- Designed to fit with 8mm glass door and 10mm glass side panel featuring glass cut-out, as supplied by Viridian Glass

GHA-FSA Frameless Shower Layout – Type A



AVAILABLE FINISHES

- Chrome
- Satin Chrome

TECHNICAL DETAILS

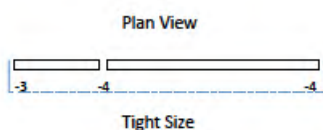
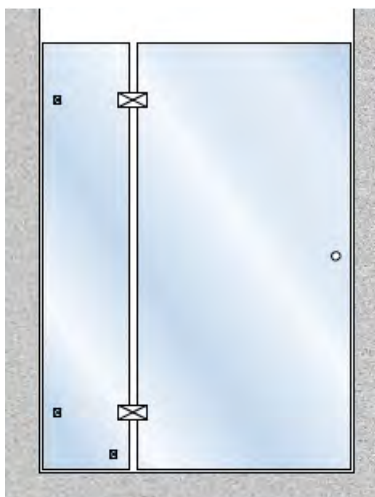
Hardware Required:

- 2 x ES1 Hinges
- 1 x SK40 Knob
- 1 x Type A Water Seal
- 1 x Water Bar – HR1

Door Clearance

- No water seal or waterbar – 4mm
- Type A water seal only – 10mm
- Waterbar only – 9mm
- Type A water seal and waterbar – 15mm

GHA-FSB Frameless Shower Layout – Type B



AVAILABLE FINISHES

- Chrome
- Satin Chrome

TECHNICAL DETAILS

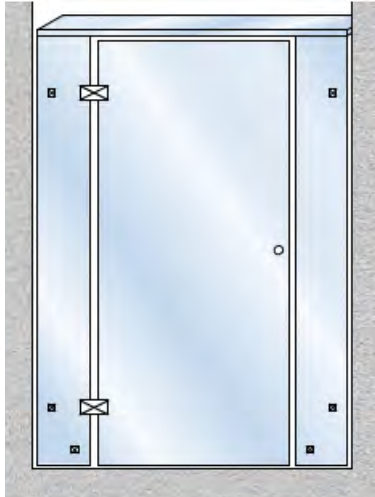
Hardware Required:

- 2 x ES2 Hinges
- 1 x SK40 Knob
- 2 x SB50SQ Brackets
- 1 x Type A Water Seal
- 1 x Water Bar – HR1

Door Clearance

- No water seal or waterbar – 4mm
- Type A water seal only – 10mm
- Waterbar only – 9mm
- Type A water seal and waterbar – 15mm

GHA-FSC Frameless Shower Layout – Type C



Plan View



Tight Size

AVAILABLE FINISHES

- Chrome
- Satin Chrome

TECHNICAL DETAILS

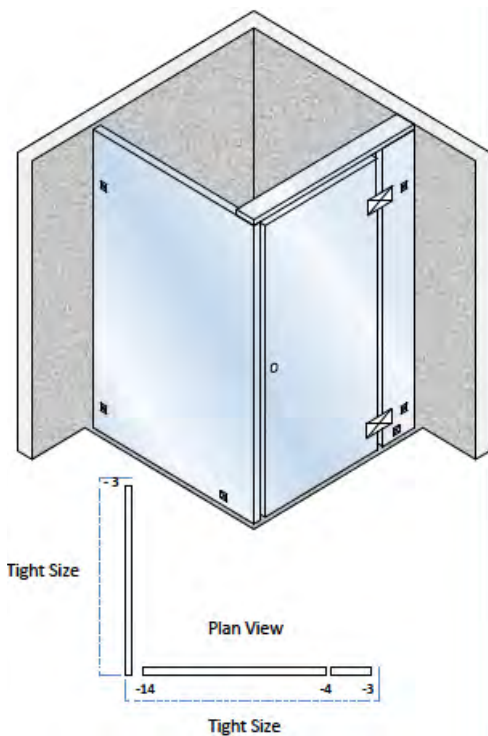
Hardware Required:

- 2 x ES2 Hinges
- 1 x SK40 Knob
- 4 x SB50SQ Brackets
- 1 x Type A Water Seal
- 1 x Water Bar – HR1

Door Clearance

- No water seal or waterbar – 4mm
- Type A water seal only – 10mm
- Waterbar only – 9mm
- Type A water seal and waterbar – 15mm
- Glass header bar – 3mm

GHA-FSD Frameless Shower Layout – Type D



Tight Size

Plan View

Tight Size

AVAILABLE FINISHES

- Chrome
- Satin Chrome

TECHNICAL DETAILS

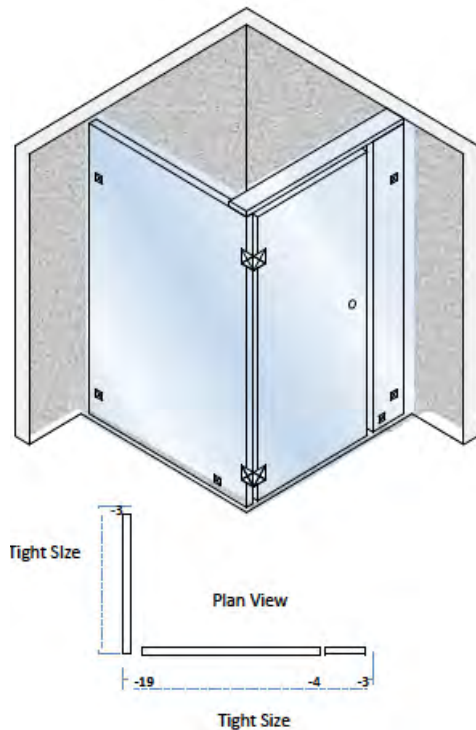
Hardware Required:

- 2 x ES2 Hinges
- 1 x SK40 Knob
- 4 x SB50SQ Brackets
- 1 x Type A Water Seal
- 1 x Water Bar – HR1

Door Clearance

- No water seal or waterbar – 4mm
- Type A water seal only – 10mm
- Waterbar only – 9mm
- Type A water seal and waterbar – 15mm
- Glass header bar – 3mm

GHA-FSE Frameless Shower Layout – Type E



AVAILABLE FINISHES

- Chrome
- Satin Chrome

TECHNICAL DETAILS

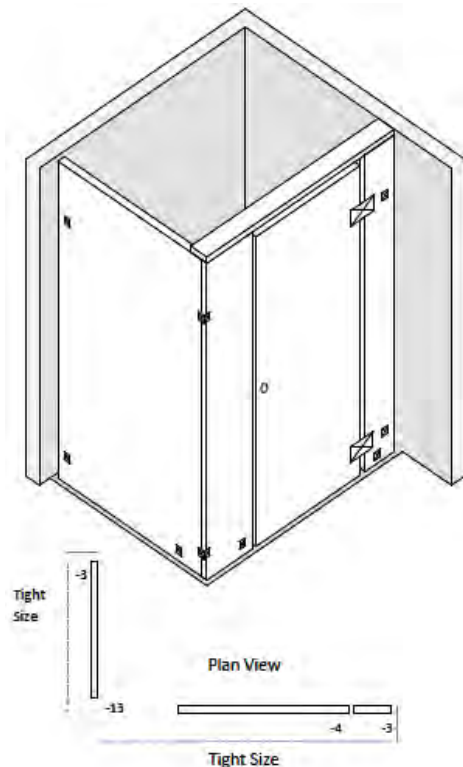
Hardware Required:

- 2 x ES2-90 Hinges
- 1 x SK40 Knob
- 4 x SB50SQ Brackets
- 1 x Type A Water Seal
- 1 x Water Bar – HR1

Door Clearance

- No water seal or waterbar – 4mm
- Type A water seal only – 10mm
- Waterbar only – 9mm
- Type A water seal and waterbar – 15mm
- Glass header bar – 3mm

GHA-FSF Frameless Shower Layout – Type F



AVAILABLE FINISHES

- Chrome
- Satin Chrome

TECHNICAL DETAILS

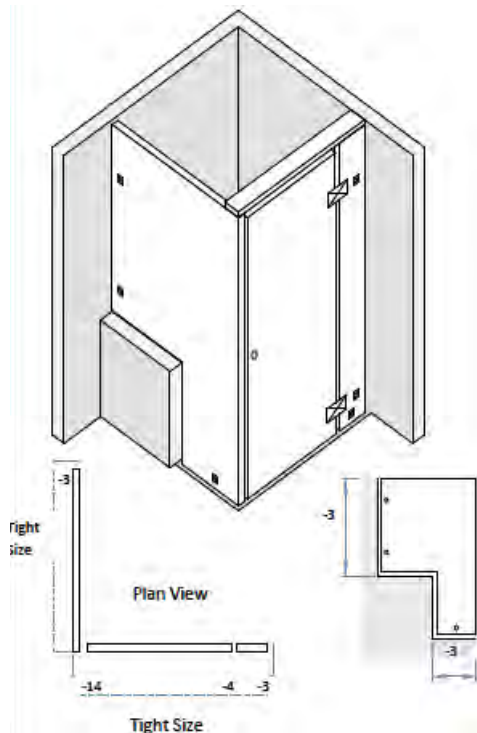
Hardware Required:

- 2 x ES2 Hinges
- 1 x SK40 Knob
- 2 x SB50SQ Brackets
- 1 x Type A Water Seal
- 1 x Water Bar – HR1

Door Clearance

- No water seal or waterbar – 4mm
- Type A water seal only – 10mm
- Waterbar only – 9mm
- Type A water seal and waterbar – 15mm
- Glass header bar – 3mm

GHA-FSG Frameless Shower Layout – Type G



AVAILABLE FINISHES

- Chrome
- Satin Chrome

TECHNICAL DETAILS

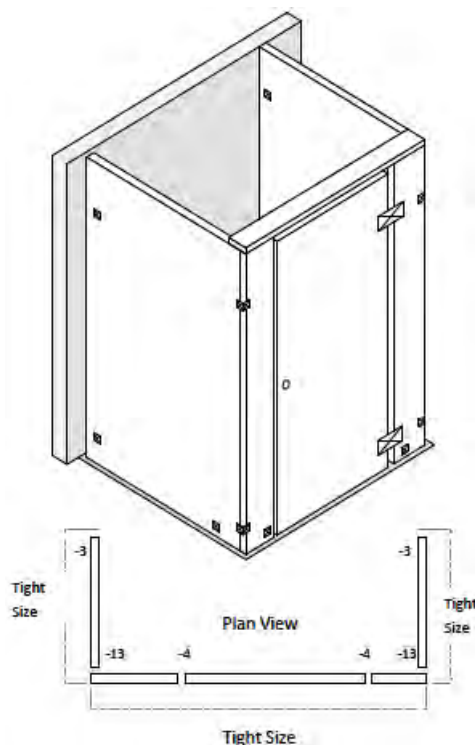
Hardware Required:

- 2 x ES2 Hinges
- 1 x SK40 Knob
- 4 x SB50SQ Brackets
- 1 x Type A Water Seal
- 1 x Water Bar – HR1

Door Clearance

- No water seal or waterbar – 4mm
- Type A water seal only – 10mm
- Waterbar only – 9mm
- Type A water seal and waterbar – 15mm
- Glass header bar – 3mm

GHA-FSH Frameless Shower Layout – Type H



AVAILABLE FINISHES

- Chrome
- Satin Chrome

TECHNICAL DETAILS

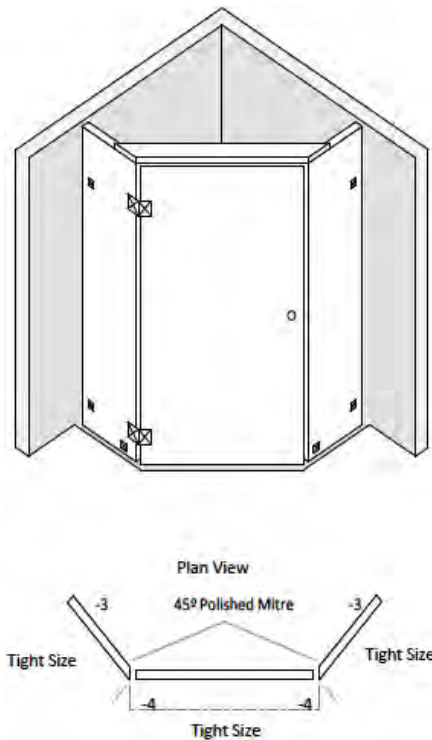
Hardware Required:

- 2 x ES2 Hinges
- 1 x SK40 Knob
- 4 x SB50SQ Brackets
- 1 x Type A Water Seal
- 1 x Water Bar – HR1

Door Clearance

- No water seal or waterbar – 4mm
- Type A water seal only – 10mm
- Waterbar only – 9mm
- Type A water seal and waterbar – 15mm
- Glass header bar – 3mm

GHA-FSI Frameless Shower Layout – Type I



AVAILABLE FINISHES

- Chrome
- Satin Chrome

TECHNICAL DETAILS

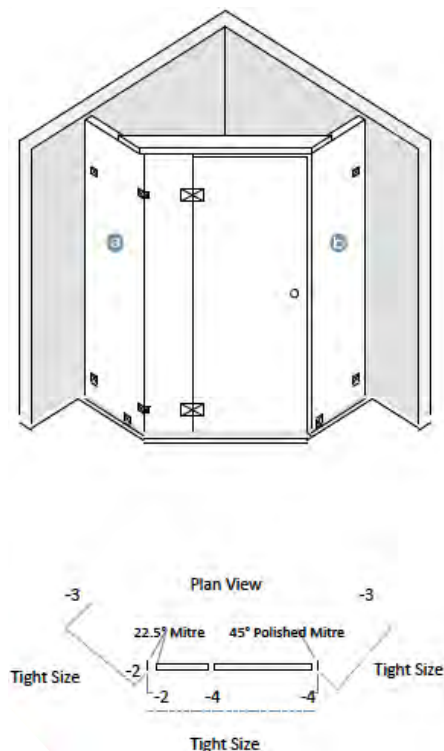
Hardware Required:

- 2 x ES2-135 Hinges
- 1 x SK40 Knob
- 4 x SB50SQ Brackets
- 1 x Type A Water Seal
- 1 x Water Bar – HR1

Door Clearance

- No water seal or waterbar – 4mm
- Type A water seal only – 10mm
- Waterbar only – 9mm
- Type A water seal and waterbar – 15mm
- Glass header bar – 3mm

GHA-FSJ Frameless Shower Layout – Type J



AVAILABLE FINISHES

- Chrome
- Satin Chrome

TECHNICAL DETAILS

Hardware Required:

- 2 x ES2-135 Hinges
- 1 x SK40 Knob
- 4 x SB50SQ Brackets
- 1 x Type A Water Seal
- 1 x Water Bar – HR1

Door Clearance

- No water seal or waterbar – 4mm
- Type A water seal only – 10mm
- Waterbar only – 9mm
- Type A water seal and waterbar – 15mm
- Glass header bar – 3mm

GHA-SSSP-01 Standard Shower Screen Glass
TECHNICAL DETAILS

10mm toughened glass

AVAILABLE SIZES
Hinge Panels with Holes:

180, 185, 190, 200, 205, 210, 215, 220, 225, 230, 235, 240, 245, 250, 255, 260, 265, 270, 275, 280, 285, 290, 295, 300, 305, 310, 315, 320, 325, 330, 335, 340, 345, 350, 355, 360, 365, 370, 375, 380, 385, 390, 395, 400, 450, 500, 550 and 600mm

Door Panel:

(1985mm high)

600, 610, 620, 630, 640 and 650mm wide

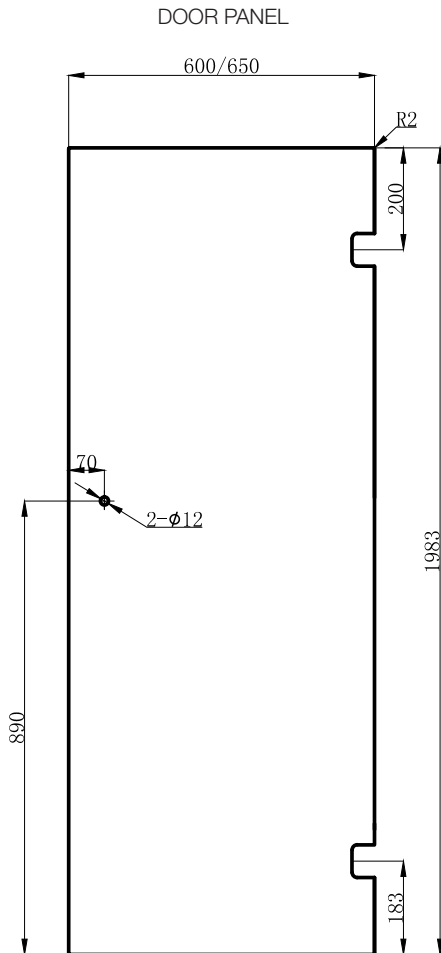
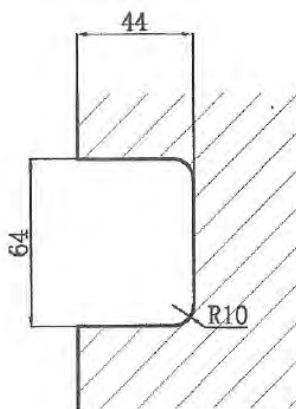
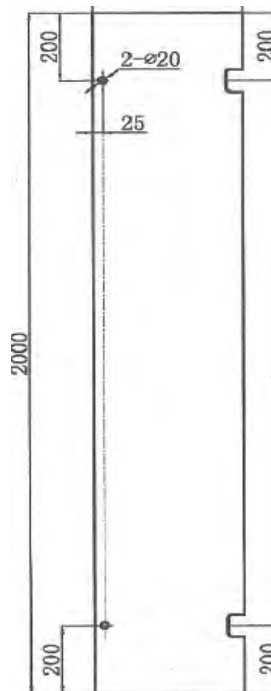
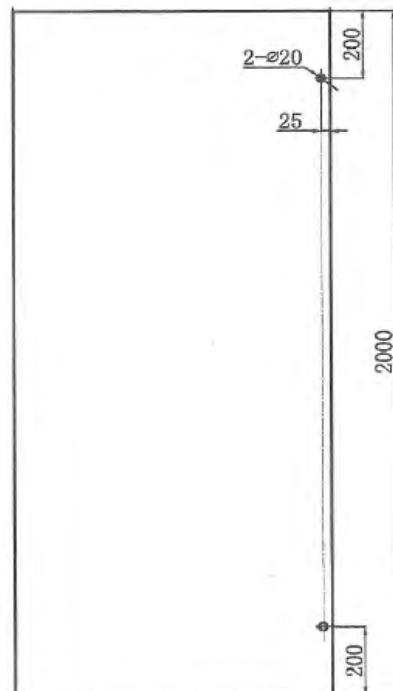
Return Panels with Holes:

600, 650, 700, 750, 800, 825, 830, 835, 840, 845, 850, 855, 860, 865, 870, 875, 880, 885, 890, 895, 900, 905, 910, 915, 920, 925, 930, 935, 940, 945, 950, 955, 960, 965, 970, 975, 980, 985, 990, 995, 1000, 1005, 1010, 1015, 1020, 1025, 1030, 1035, 1040, 1045, 1050, 1055, 1060, 1065, 1070, 1075, 1080, 1085, 1090, 1095, 1100, 1150 and 1200mm

Return Panel:

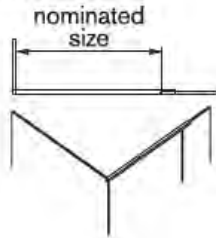
(No holes and 2000mm high)

595mm, 695mm, 795mm, 850mm, 895mm, 995mm, 1095mm, 1195mm

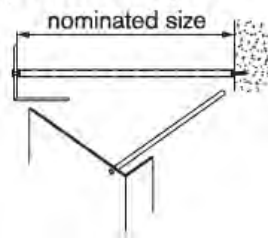

CUT OUT DETAIL

HINGE PANEL

RETURN PANEL


Headers

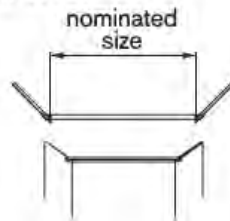
Type A



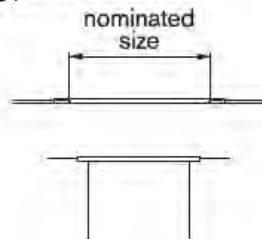
Type B (hole in glass)



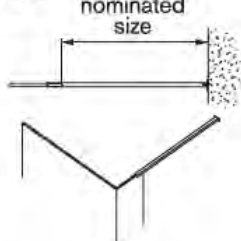
Type C



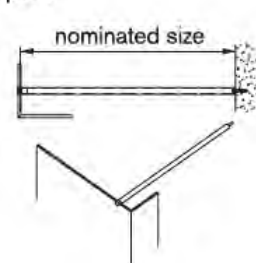
Type D



Type E



Type F



When extra bracing is required for a frameless shower, we provide a number of solutions. A header across the top of the enclosure can stabilise an oversized panel.

AVAILABLE FINISHES

- Polished Chrome
- Satin Chrome
- Special Finishes on request, lead time applies

TECHNICAL DETAILS

Custom lengths and angles available on request

Header A

- Side Panel to return
- 16mm square pole
- Mounted on glass

Header B

- Wall to return
- 25mm round pole
- 12mm hole in glass
- Mounted through glass

Header C

- Side panel to side panel, quad
- 16mm square pole
- Mounted on glass

Header D

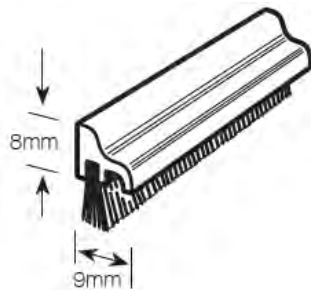
- Side panel to side panel
- 16mm square pole
- Mounted on glass

Header E

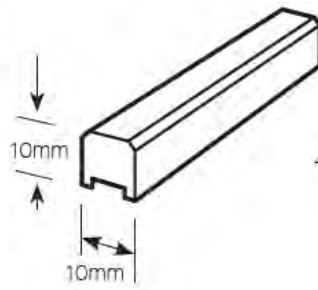
- Wall to Side Panel
- 16mm square pole
- Mounted on glass

Header F

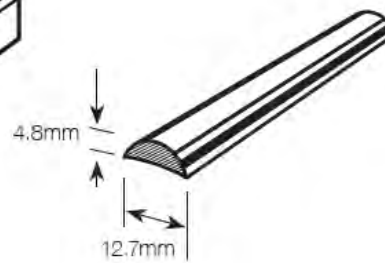
- Wall to return panel
- 25mm round hole
- Mounted to glass

WS1 / WS3 / HR1 Water Bars


WS1



WS3



HR1

AVAILABLE FINISHES

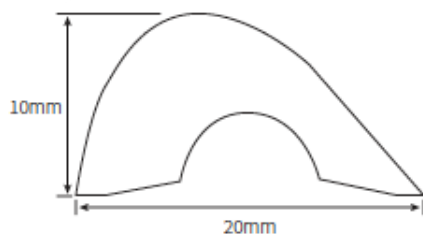
- Polished anodised
- Satin anodised
- Special Finishes on request, lead time applies

TECHNICAL DETAILS

- Extruded aluminium
- Cut lengths available

STOCK LENGTHS

- WS1 – 2m
- WS3 – 3m
- HR1 – 1.5m

GHAB10 Water Bar

AVAILABLE FINISHES

- Polished anodised
- Satin anodised
- Special Finishes on request, lead time applies

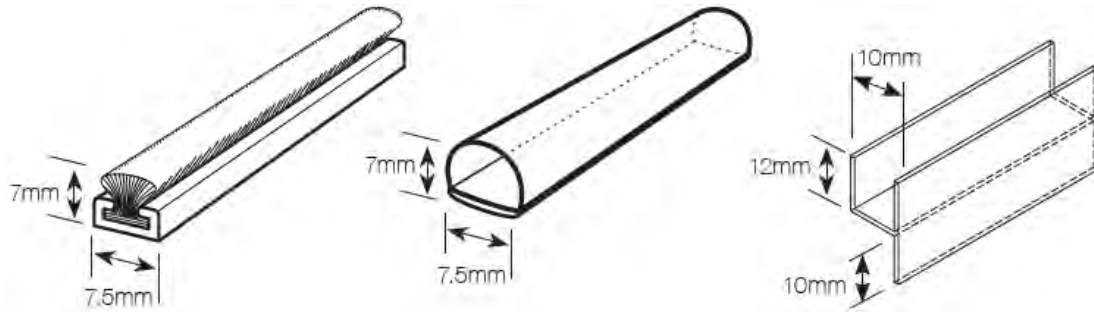
TECHNICAL DETAILS

- Extruded aluminium
- Cut lengths available

STOCK LENGTHS

- 2.1m

DS2 / DS4 / DS5 Door Seals



DS2

DS4

DS5

DS2 SECTION

- Felt in silver anodised extrusion (satin/polished)
- 2m length

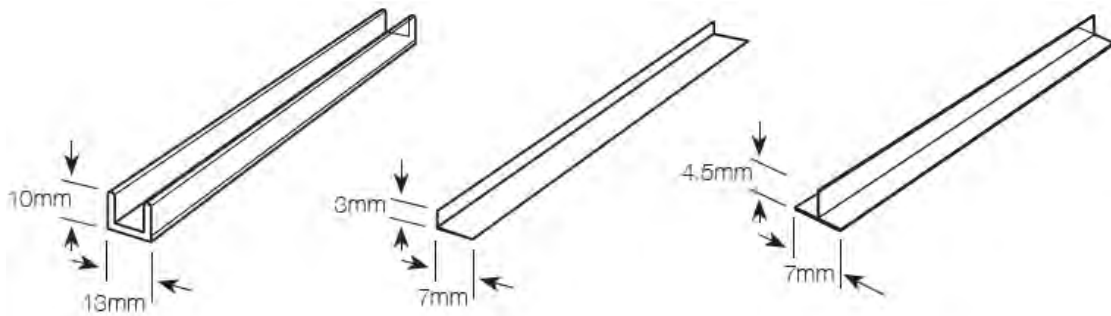
DS4 D SHAPED SEAL

- Rigid back PVC with flexible PVC seal
- 2m length

DS5 DOOR SEAL

- Clear plastic
- Suit 10mm glass
- 2.2m length

DS10 / LS1 / TS1 Door Seals



DS10

LS1

TS1

DS10 SECTION

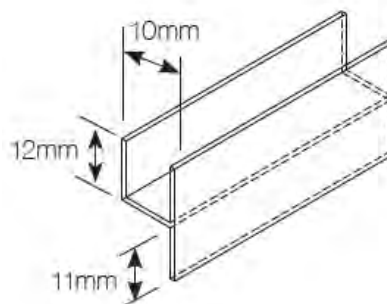
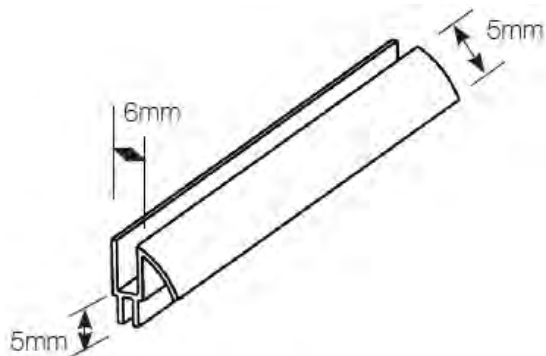
- Clear plastic U channel
- Suit 10mm glass
- 2m length

LS1 L SHAPED SEAL

- Rigid back PVC with flexible PVC seal
- 2m length

TS1 T DOOR SEAL

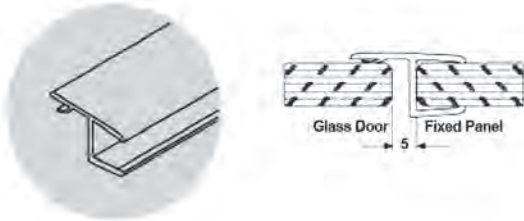
- Rigid back PVC with flexible PVC seal
- 2m length

GHA-W506-10 / GHA-WS06 Clear PVC Water Seals**TECHNICAL DETAILS**

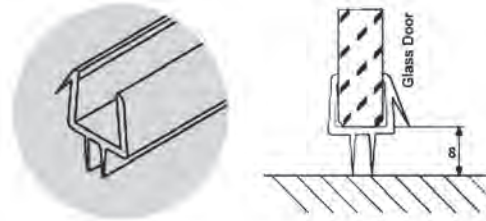
- 2m and 2.2m stock lengths

GHA-WS10 / GHA-WS06 Clear PVC Water Seals

GHA-WS-10-03



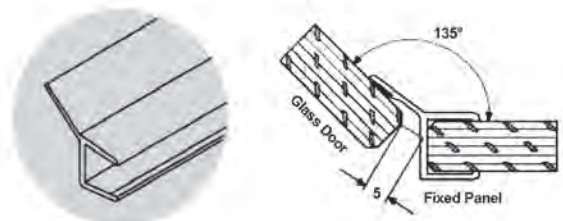
GHA-WS-10-10



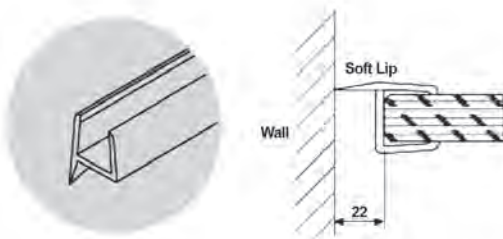
GHA-WS-10-04



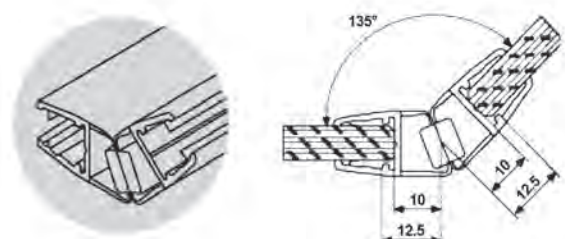
GHA-WS-10-135



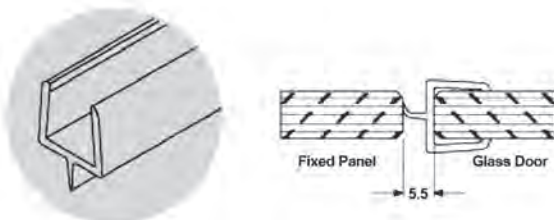
GHA-WS-10-05



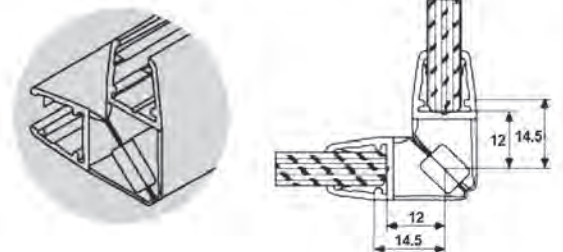
GHA-WS-10-135M



GHA-WS-10-06



GHA-WS-10-90M



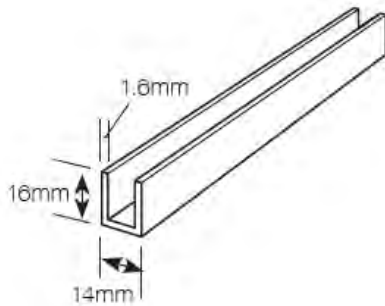
AVAILABLE FINISHES

- Clear Plastic

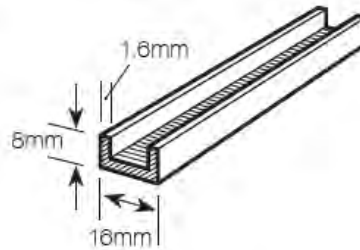
TECHNICAL DETAILS

- Suits 8mm, 10mm and 12mm glass
- Stock lengths of 2.2m
- Magnetic strips available for GHA-WS-10-135M and GHA-WS-10-90M

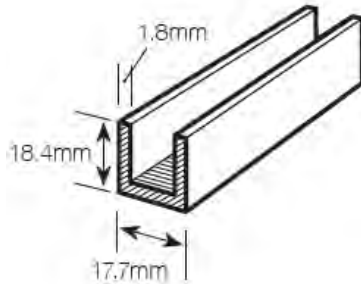
CH15 / CH16 / CH18 / CH25 / HS18 Channels



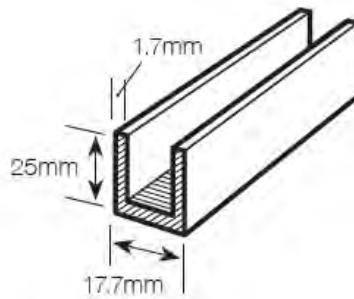
CH15



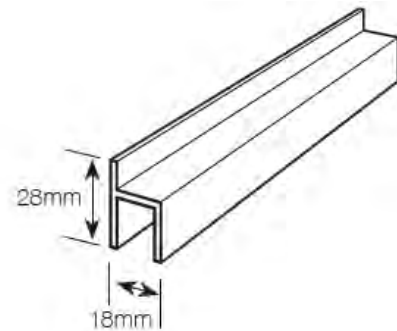
CH16



CH18



CH25



HS18

AVAILABLE FINISHES

- Polished anodised
- Satin anodised (except for CH25)
- Special Finishes on request, lead time applies

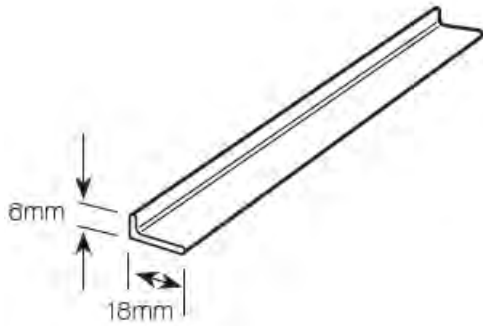
TECHNICAL DETAILS

- Extruded aluminium

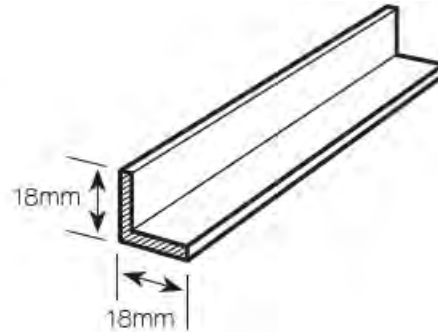
STOCK LENGTHS

- CH15 - 3m
- CH16 - 2.5m
- CH18 - 2.1 or 3m
- CH25 - 2.1 or 3m
- HS18 - 3m

AS1 / AS18 Angles



AS1



AS18

AVAILABLE FINISHES

- Polished anodised
- Satin anodised
- Special Finishes on request, lead time applies

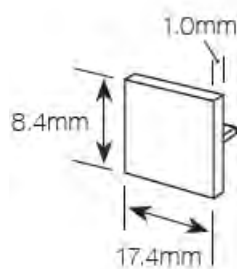
TECHNICAL DETAILS

- Extruded aluminium
- Cut lengths available

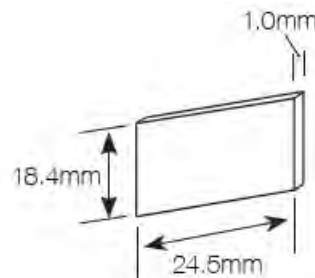
STOCK LENGTHS

- AS1 – 2m
- AS18 – 3m

EC1 / EC45 End Caps



EC1



EC45

AVAILABLE FINISHES

- Polished anodised
- Satin anodised
- Special Finishes on request, lead time applies

TECHNICAL DETAILS

- Extruded aluminium

STOCK LENGTHS

- EC1 to suit CH18
- EC45 to suit 45° mitre CH18/CH25

GHA Solutions Warranty Information (DATED: 01 JULY 2017)**SHOWER HARDWARE**

GHA Solutions guarantee our product against faulty workmanship or defective materials for a period of ten (10) years from the date of purchase.

Products will be replaced at no charge to the purchaser once the defect has been thoroughly inspected and confirmed.

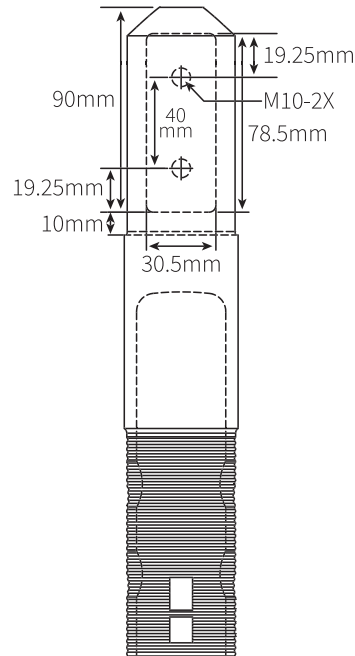
This warranty does NOT apply if defects are found to be caused by the following:

1. If the product has been altered in any way
2. The product has been subject to incorrect mechanical fixing techniques
3. The product has been installed outside of the specifications of its use
4. The product has been subject to abnormal stresses from loading, heat, building or foundation movement
5. Faulty workmanship of any person in the installation of the product
6. Defect in any framework or substrate to which the product has been installed supporting the product.

The replacement is solely for the product only. GHA Solutions will not be liable for the dismantling, return or reassembly of the product at site or to any structure to which it is affixed.

Repairs or replacement under this warranty do not extend the warranty period and do not initiate a new warranty period. The warranty period for any replacement parts ends together with the warranty for the entire product.

FSCDRDM/FSCDRDS Core Drill Round Spigot



AVAILABLE FINISHES

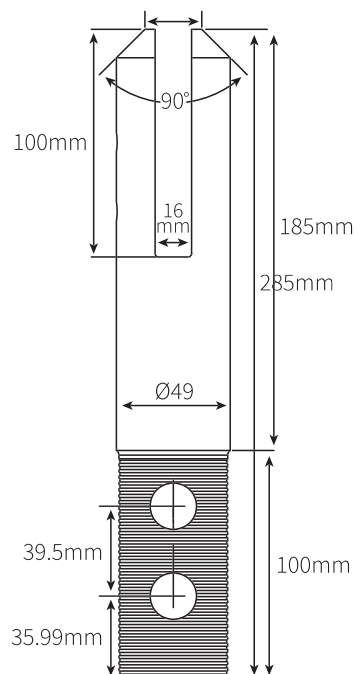
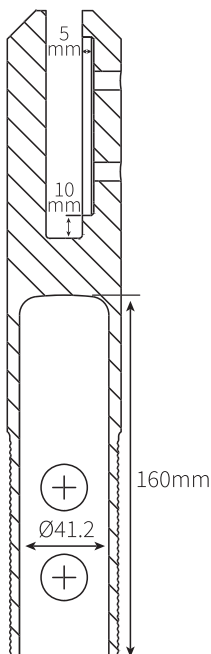
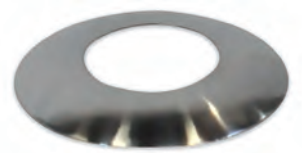
- Mirror
- Satin

TECHNICAL DETAILS

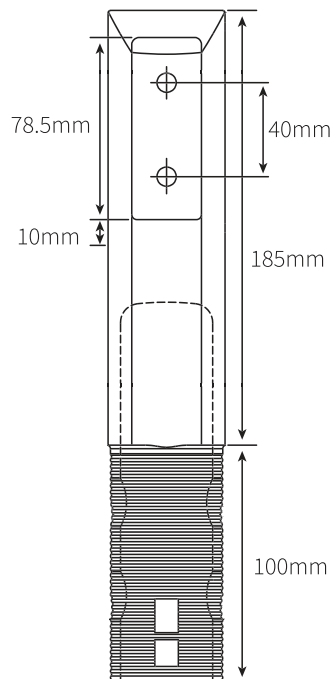
- Duplex 2205 Stainless Steel
- Friction fit
- Diameter 50 x 280mm
- Available in round with hole in glass

Spigot Round Cover

Diameter 100mm



FSSQCDM/FSSQCDS Core Drill Square Spigot



AVAILABLE FINISHES

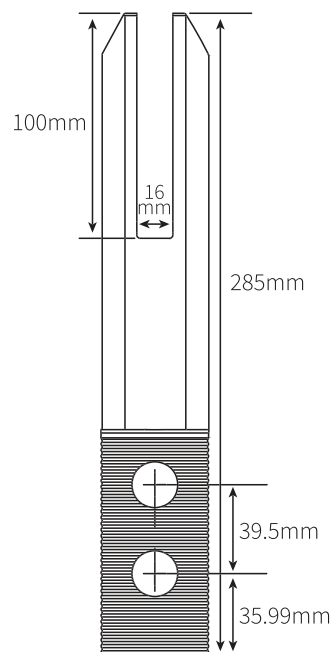
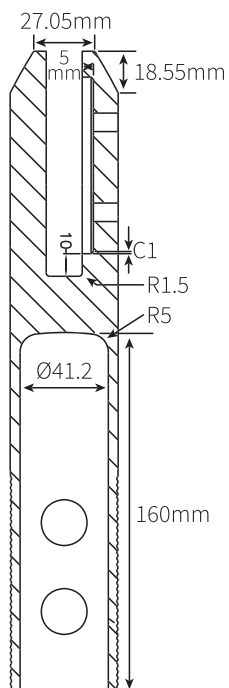
- Mirror
- Satin
- Black

TECHNICAL DETAILS

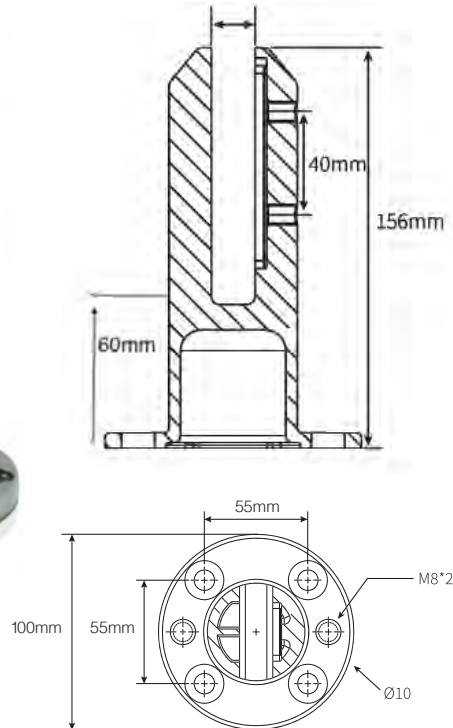
- Duplex 2205 Stainless Steel
- Friction fit
- 50 x 48 x 280mm
- Available in round with hole in glass

Spigot Square Cover

Diameter 100mm



FSBMRDM/FSBMRDS Base Mount Round Spigot



AVAILABLE FINISHES

- Mirror
- Satin

TECHNICAL DETAILS

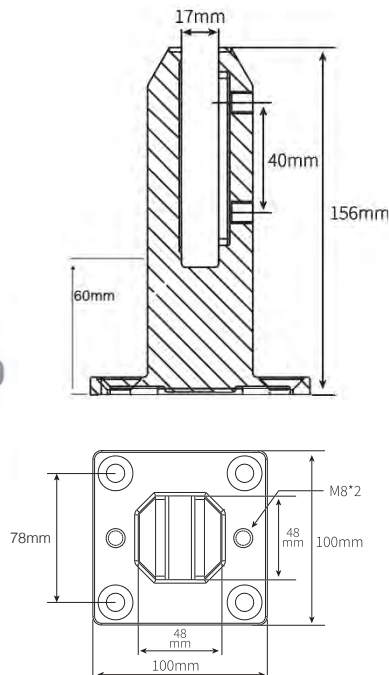
- Duplex 2205 Stainless Steel
- Friction fit
- Diameter 50 x 180mm
- Available in round with hole in glass

Spigot Round Cover

Diameter 105mm



FSBMSQM/FSBMSQS Base Mount Square Spigot



AVAILABLE FINISHES

- Mirror
- Satin
- Black

TECHNICAL DETAILS

- Duplex 2205 Stainless Steel
- Friction fit
- 50 x 48 x 180mm
- Available in round with hole in glass

Spigot Square Cover

105 x 105mm



SMHGSM/SMHGSS Side Mount Spigot



AVAILABLE FINISHES

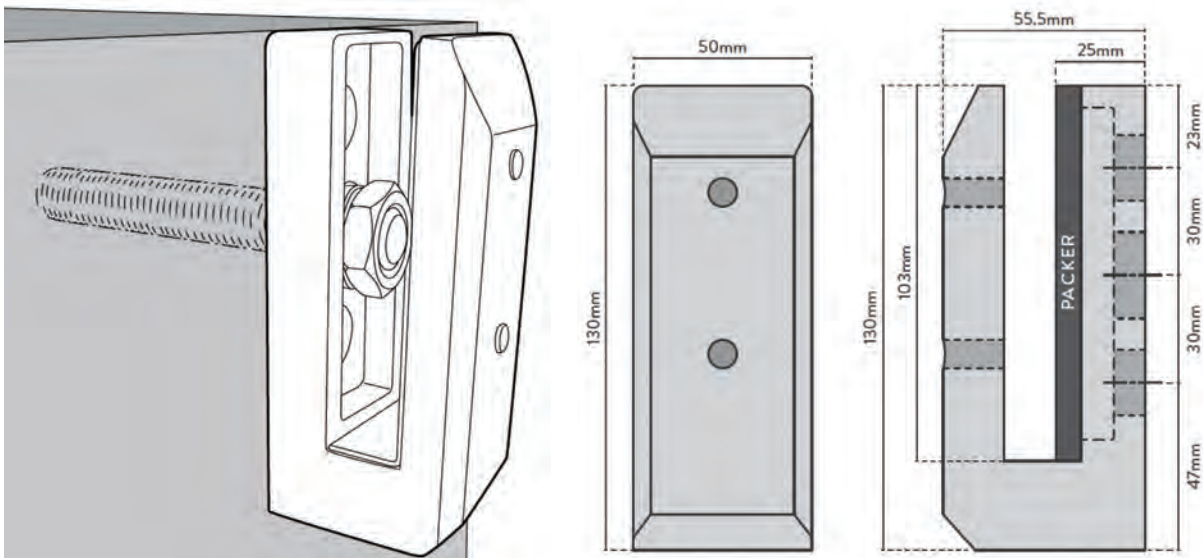
- Mirror
- Satin

TECHNICAL DETAILS

- Duplex 2205 Stainless Steel
- Friction fit
- Holes required in glass

Madrid Side Mount – Friction Fit

CONCRETE FIX



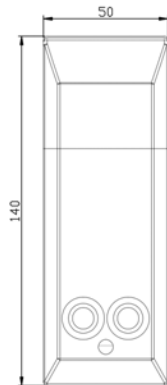
AVAILABLE FINISHES

- Polished Stainless Steel
- Satin Stainless Steel

TECHNICAL DETAILS

- Friction fit
- Side Mount

GHA Side Mount – Adjustable



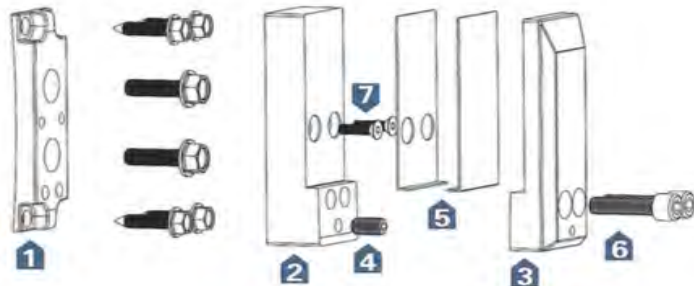
AVAILABLE FINISHES

- Mirror
- Satin

TECHNICAL DETAILS

- Adjustable body
- Friction fit
- NO holes needed in glass

- 1 Wall bracket
- 2 Adjustable body
- 3 Surface cover
- 4 Adjustment grub screw
- 5 Spacers
- 6 Threaded bolts
- 7 Countersunk screws



INSTALLATION INSTRUCTIONS

Step 1. Drill and fix the wall bracket

Using the wall bracket to mark out the hole positions, and drill holes accordingly. Then fix the Wall Bracket on the wall and tighten firmly.

Step 2. Fix the adjustable body

Using countersunk screws to fix the adjustable body to wall bracket, and tighten with Allen Key.

Step 3. Fix the surface cover on wall bracket.

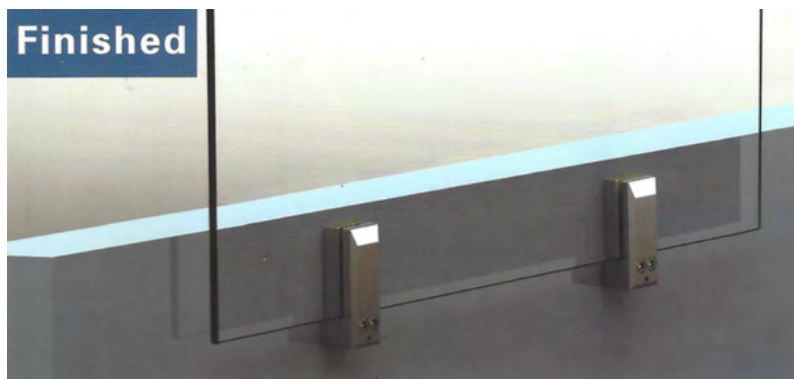
Put surface cover on wall bracket. Don't tighten too firmly as glass needs room to be inserted.

Step 4. Install the glass panel

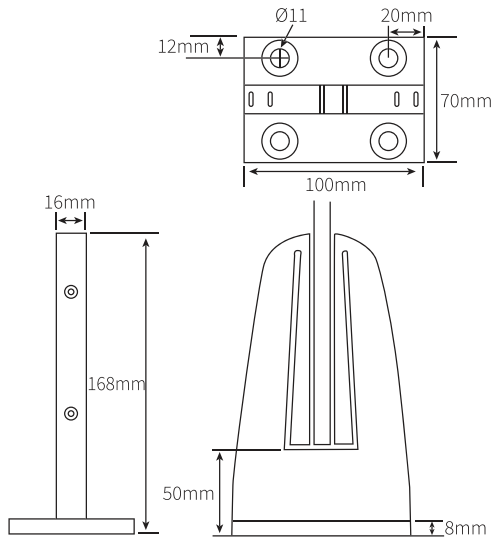
Insert glass panel inside GHA Side Mount Spigot, and adjust the glass panel to make it plumb.

A. To deflect inward, turn clockwise the adjustment grub screw to secure glass panel in place then tighten firmly the threaded bolts.

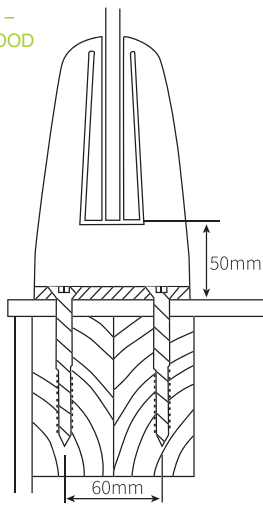
B. To deflect outward, turn anti-clockwise the adjustment grub screw to secure glass panel in place then tighten firmly the threaded bolts.



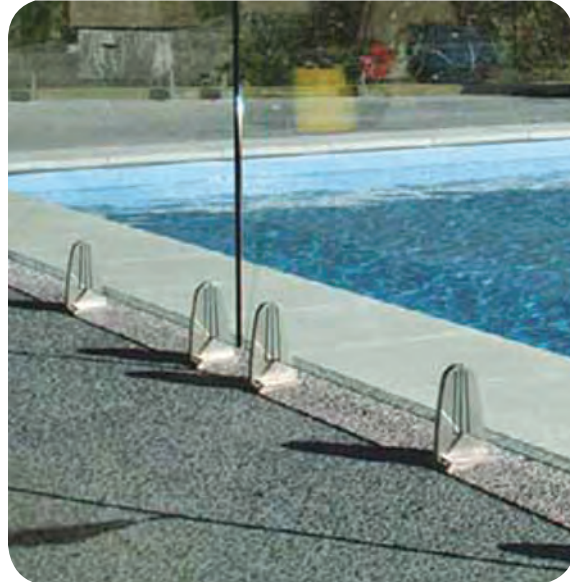
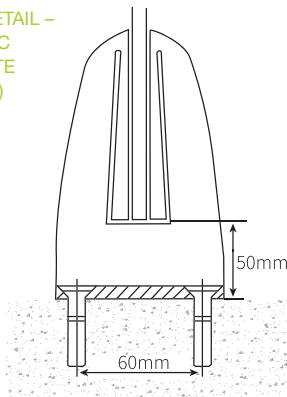
NBF168 Nautech Strut Post Base Fix



FIXING DETAIL –
DOMESTIC WOOD
FIX (CSW100)



FIXING DETAIL –
DOMESTIC
CONCRETE
FIX (MF43)



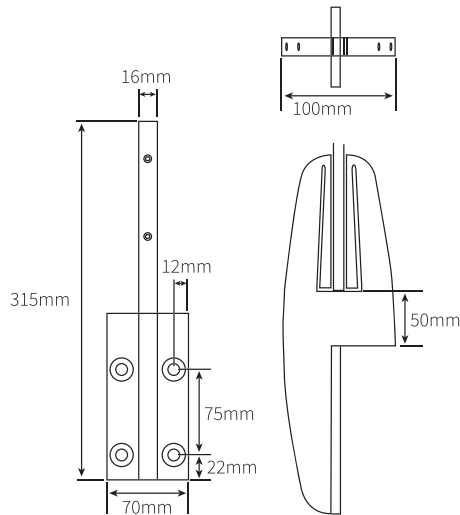
AVAILABLE FINISHES

- Polished Stainless
- Satin Stainless

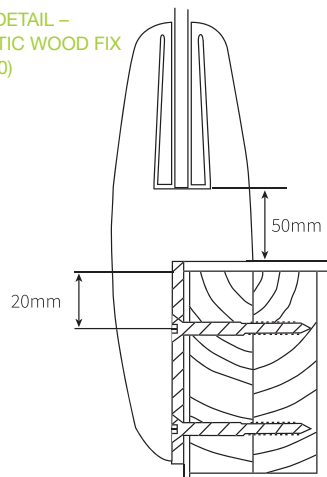
TECHNICAL DETAILS

- The system is a unique strut post design which is unobtrusive, strong and durable
- The system features horizontal and vertical adjustment for the glass
- The vertical adjustment is attained by the use of a patented clamping and adjustment technique which is the heart of the fitting, it clamps the glass without the need for holes and this saves on glass processing costs and installation time
- The strut post is 168mm high and provides a 50mm clearance between the top of the deck and underside of the glass pane
- The NauTech system has been tested in NZ to AS/NZS 1170 barrier loadings in accordance with B1/VM1 Amendment
- Suits 12mm glass thickness (no holes or cutouts required)
- Domestic and commercial balustrades and pool fences
- Base fixing to masonry, timber and steel structures
- 16mm thick 316 grade stainless steel

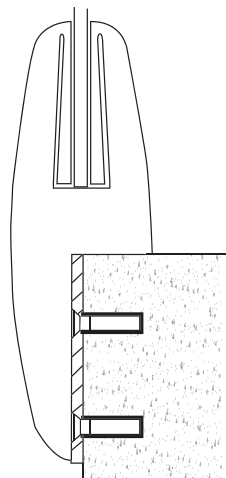
NSF315 Nautech Strut Post Face Fix



FIXING DETAIL –
DOMESTIC WOOD FIX
(CSW100)



FIXING DETAIL –
DOMESTIC
CONCRETE
FIX (MF43)



AVAILABLE FINISHES

- Polished Stainless
- Satin Stainless

TECHNICAL DETAILS

- The system is a unique strut post design which is unobtrusive, strong and durable
- The system features horizontal and vertical adjustment for the glass
- The vertical adjustment is attained by the use of a patented clamping and adjustment technique which is the heart of the fitting, it clamps the glass without the need for holes and this saves on glass processing costs and installation time
- The strut post is 168mm high and provides a 50mm clearance between the top of the deck and underside of the glass panel
- The NauTech system has been tested in NZ to AS/NZS 1170 barrier loadings in accordance with B1/VM1 Amendment
- Suits 12mm glass thickness (no holes or cutouts required)
- Domestic and commercial balustrades and pool fences
- Base fixing to masonry, timber and steel structures
- 16mm thick 316 grade stainless steel

FS-15RC Heavy Duty Round Core Drill Spigot**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- Suits 15mm glass

FS-15SC Heavy Duty Square Core Drill Spigot**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- Suits 15mm glass

FS-15RD Heavy Duty Round Deck Mount Spigot**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- Suits 15mm glass

FS-15SD Heavy Duty Square Deck Mount Spigot**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- Suits 15mm glass

12mm Frameless Pool Glass Fencing
No holes with 2mm radius corners

CODE	WIDE (mm)	HEIGHT (mm)	AREA (sqm)
PG12-100	100	1170	0.12
PG12-150	150	1170	0.18
PG12-200	200	1170	0.23
PG12-250	250	1170	0.29
PG12-300	300	1170	0.35
PG12-350	350	1170	0.41
PG12-400	400	1170	0.47
PG12-450	450	1170	0.53
PG12-500	500	1170	0.59
PG12-550	550	1170	0.64
PG12-600	600	1170	0.70
PG12-650	650	1170	0.76
PG12-700	700	1170	0.82
PG12-750	750	1170	0.88
PG12-800	800	1170	0.94
PG12-850	850	1170	0.99
PG12-900	900	1170	1.05
PG12-950	950	1170	1.11
PG12-1000	1000	1170	1.17
PG12-1050	1050	1170	1.23
PG12-1100	1100	1170	1.29
PG12-1150	1150	1170	1.35
PG12-1200	1200	1170	1.4
PG12-1250	1250	1170	1.46
PG12-1300	1300	1170	1.52
PG12-1350	1350	1170	1.58
PG12-1400	1400	1170	1.64
PG12-1450	1450	1170	1.7
PG12-1500	1500	1170	1.76
PG12-1550	1550	1170	1.81
PG12-1600	1600	1170	1.87
PG12-1650	1650	1170	1.93
PG12-1700	1700	1170	1.99
PG12-1750	1750	1170	2.05
PG12-1800	1800	1170	2.11
PG12-1850	1850	1170	2.16
PG12-1900	1900	1170	2.22
PG12-1950	1950	1170	2.28
PG12-2000	2000	1170	2.34

12mm Hinge Panels for Polaris Spring Hinge

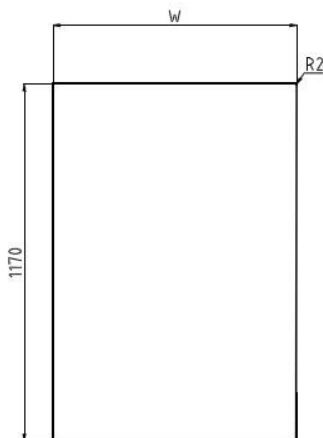
CODE	WIDE (mm)	HEIGHT (mm)	AREA (sqm)
PGH12-800	800	1170	0.93
PGH12-1000	1000	1170	1.17
PGH12-1100	1100	1170	1.32
PGH12-1200	1200	1170	1.41
PGH12-1300	1300	1170	1.56
PGH12-1400	1400	1170	1.64
PGH12-1500	1500	1170	1.80
PGH12-1600	1600	1170	1.87
PGH12-1700	1700	1170	2.04
PGH12-1800	1800	1170	2.16
PGH12-1900	1900	1170	2.28
PGH12-2000	2000	1170	2.40

12mm Polaris Hinge Gate Panel

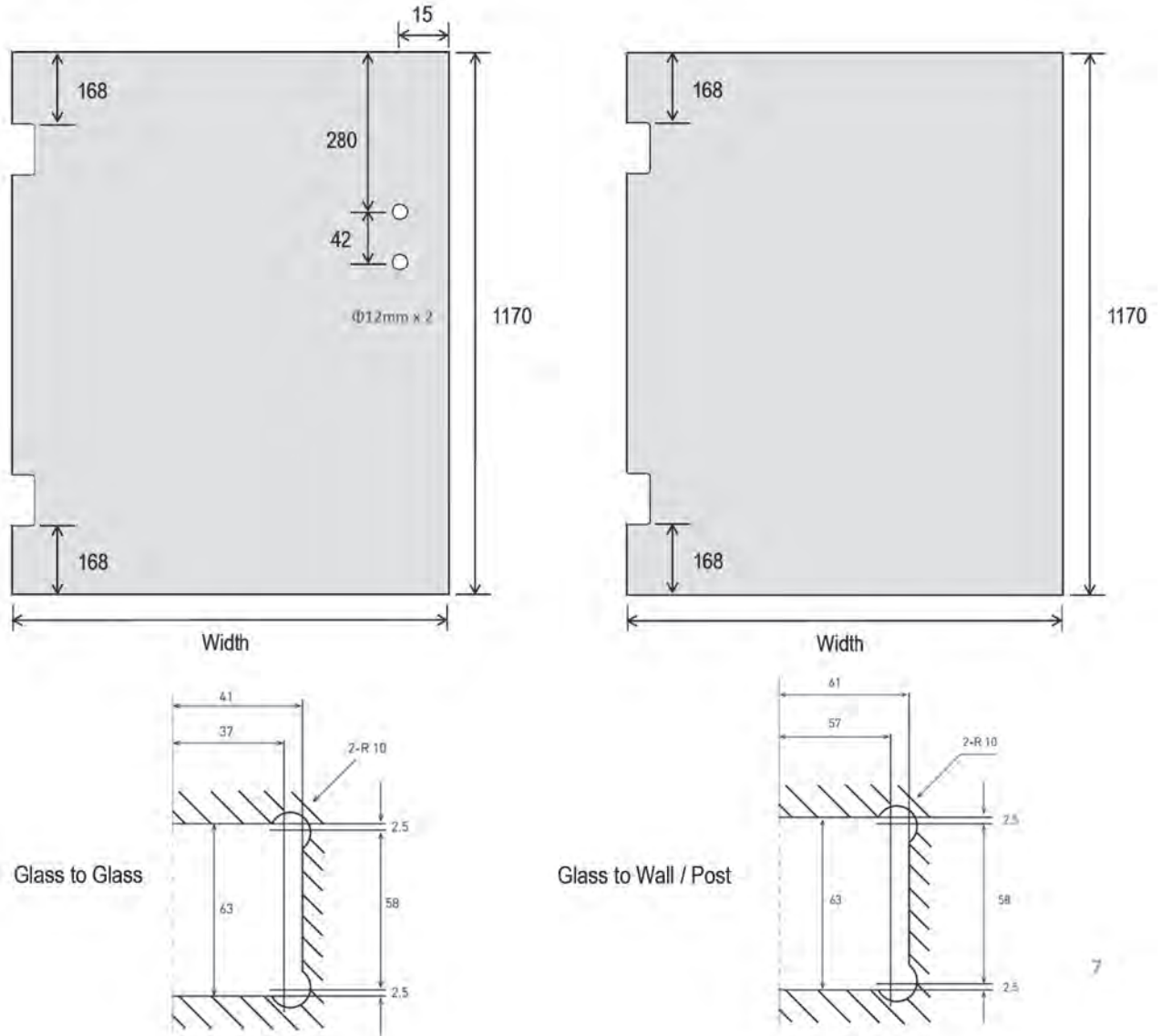
CODE	WIDE (mm)	HEIGHT (mm)	AREA (sqm)
PGHG12-800	800	1170	0.93
PGHG12-850	850	1170	1.05
PGHG12-900	900	1170	1.05

10mm Spring Hinge Gate Panel

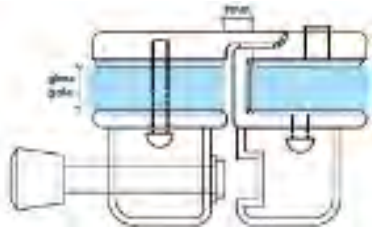
CODE	WIDE (mm)	HEIGHT (mm)	AREA (sqm)
PGSG8-800	800	1170	0.93
PGHG8-850	850	1170	1.05
PGHG8-900	900	1170	1.05



12mm Clear Toughened Polaris Pool Gate and Hinge Panel



GLGGM/GLGGS Glass to Glass Latch



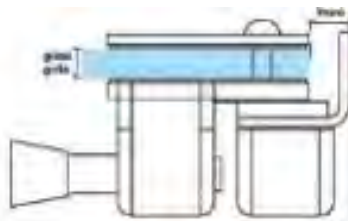
AVAILABLE FINISHES

- Mirror
- Satin
- Black

TECHNICAL DETAILS

- Suits 10mm and 12mm glass
- 316 Stainless Steel

GLGPM/GLGPS Glass to Square Post Latch



AVAILABLE FINISHES

- Mirror
- Satin
- Black

TECHNICAL DETAILS

- Suits 10mm and 12mm glass
- 316 Stainless Steel

GLRDM/GLRDS Glass to Round Post Latch



AVAILABLE FINISHES

- Mirror
- Satin

TECHNICAL DETAILS

- Suits 10mm and 12mm glass
- 316 Stainless Steel

PGL-L D&D Key Lock



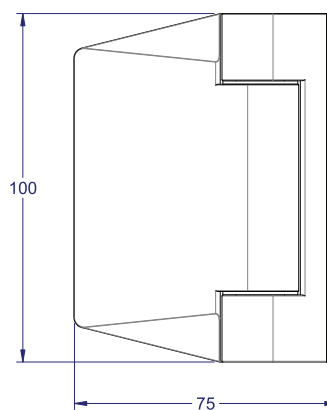
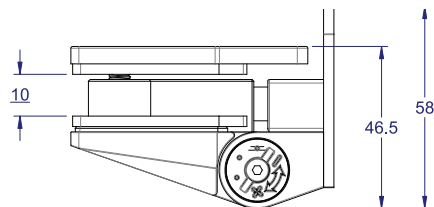
AVAILABLE FINISHES

- Mirror
- Satin

TECHNICAL DETAILS

- Retro fit all latches

Polaris Glass to Wall



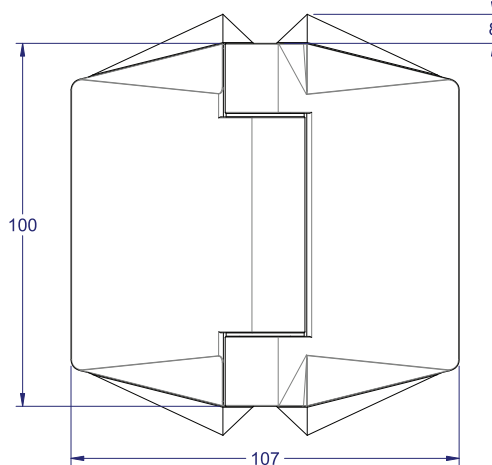
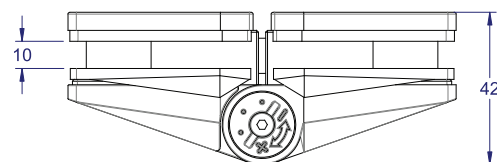
AVAILABLE FINISHES

- Mirror
- Satin
- Black

TECHNICAL DETAILS

- Magnets and Hydraulic Dampner
- Suits 10mm and 12mm glass

Polaris Glass to Glass



AVAILABLE FINISHES

- Mirror
- Satin
- Black

TECHNICAL DETAILS

- Magnets and Hydraulic Dampner
- Suits 10mm and 12mm glass

GLOM/GLOS Glass to Glass External Applications**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- Poolgate latch and keeper
- Suitable for 10mm and 12mm glass
- Suits holes in standard door

GLIM/GLIS Glass to Glass Internal Applications**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- Poolgate latch and keeper
- Suitable for 10mm and 12mm glass
- Suits holes in standard door

PGH-180A Glass to Glass Spring Hinge - Heavy Duty



AVAILABLE FINISHES

- Mirror
- Satin

TECHNICAL DETAILS

- Suitable for 10mm and 12mm glass

PGH-SA Glass to Square Post Spring Hinge - Heavy Duty



AVAILABLE FINISHES

- Mirror
- Satin

TECHNICAL DETAILS

- Suitable for 10mm and 12mm glass

PGH-RA Glass to Round Post Spring Hinge - Heavy Duty



AVAILABLE FINISHES

- Mirror
- Satin

TECHNICAL DETAILS

- Suitable for 10mm and 12mm glass

SLH Heavy Duty Spring Hinge



AVAILABLE FINISHES

- Mirror
- Satin

TECHNICAL DETAILS

- Suits 10mm and 12mm glass

SHGGM Spring Hinges



AVAILABLE FINISHES

- Mirror
- Satin

TECHNICAL DETAILS

- Suitable for 10mm glass
- 316 Stainless Steel

SHGRDM/SHGSQM Spring Hinges



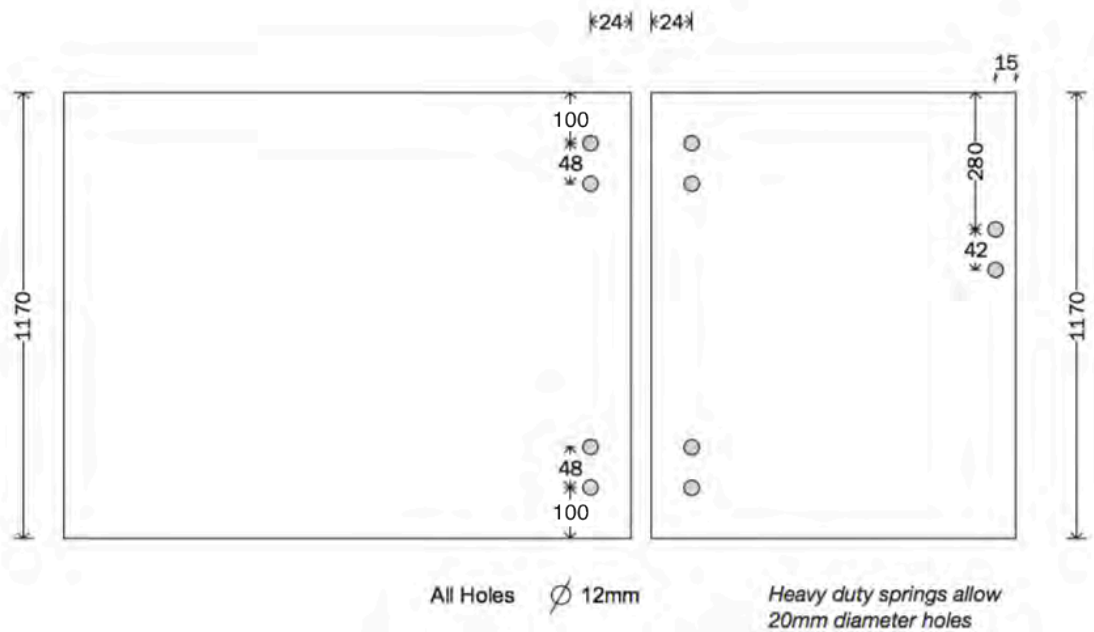
AVAILABLE FINISHES

- Mirror
- Satin

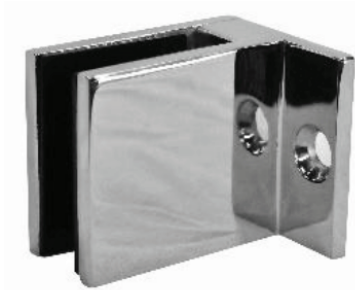
TECHNICAL DETAILS

- Suitable for 10mm glass
- 316 Grade Stainless Steel

Spring Hinge Panel and Gate Cut Out Details



LP Wall Fixing Glass Clamp



AVAILABLE FINISHES

- Mirror
- Satin

TECHNICAL DETAILS

- Suitable for 12mm glass

LP-90M / LP-90S 90° Glass to Glass Clamp



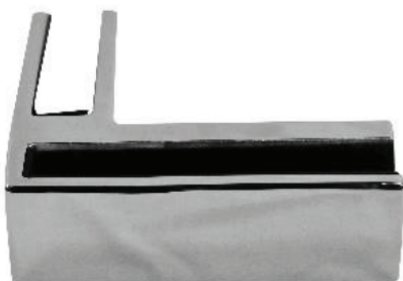
AVAILABLE FINISHES

- Mirror
- Satin

TECHNICAL DETAILS

- Suitable for 12mm glass

LP-90F 90° Offset Glass to Glass Clamp



AVAILABLE FINISHES

- Mirror
- Satin

TECHNICAL DETAILS

- Suitable for 12mm glass

LP-135M / LP-135S 135° Glass to Glass Clamp



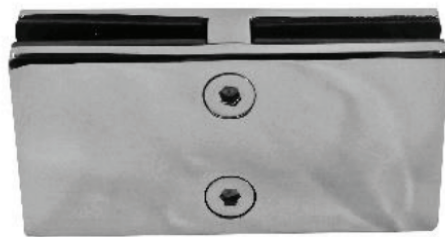
AVAILABLE FINISHES

- Mirror
- Satin

TECHNICAL DETAILS

- Suitable for 12mm glass

LP-180M / LP-180S 180° Glass to Glass Clamp



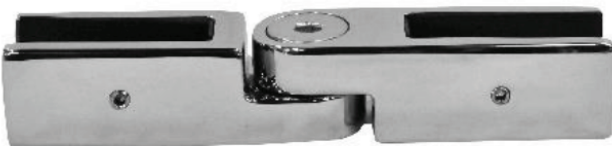
AVAILABLE FINISHES

- Mirror
- Satin

TECHNICAL DETAILS

- Suitable for 12mm glass

LP-ADJ Adjustable Glass to Glass Clamp

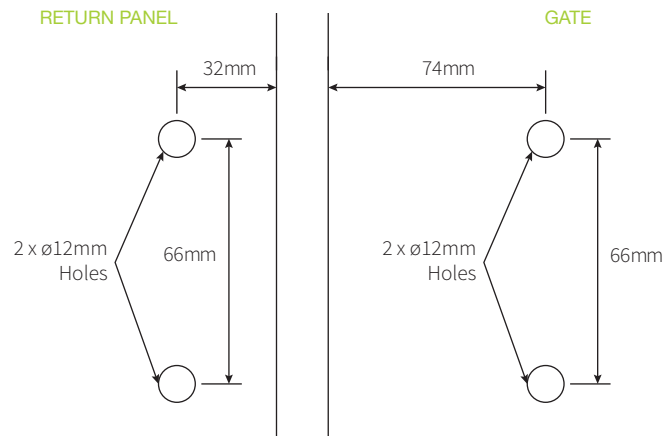
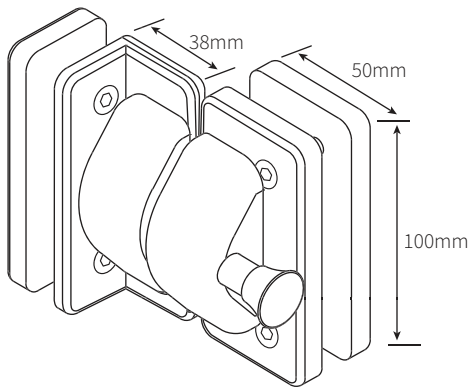


AVAILABLE FINISHES

- Mirror
- Satin

TECHNICAL DETAILS

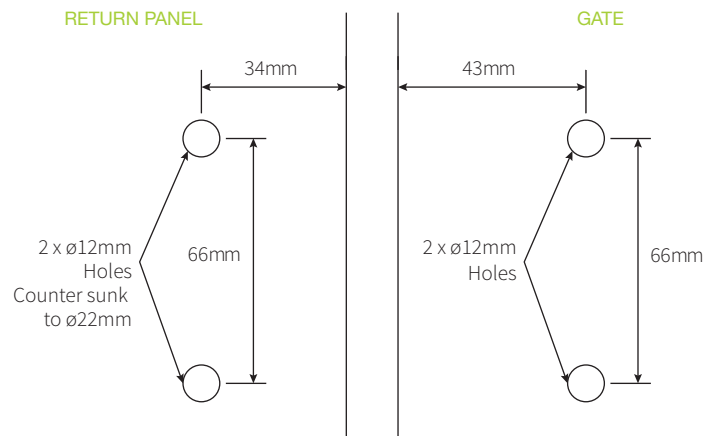
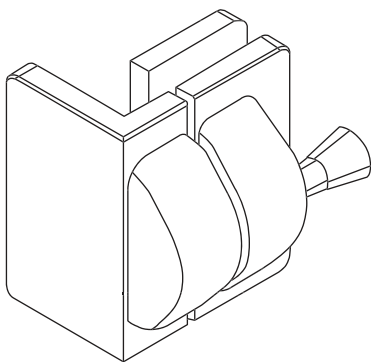
- Suitable for 12mm glass

PL290 Pool Gate Latch and Keeper – Glass to Glass 90°

AVAILABLE FINISHES

- Polished Stainless Steel
- Satin Stainless Steel

TECHNICAL DETAILS

- Designed for a frameless glass pool gate that closes to a post or wall
- Self latching using “Magna” latch
- Minimum door height 1.2 metres
- Suitable for 10mm and 12mm glass thickness, can be adapted for other sizes
- 316 stainless steel

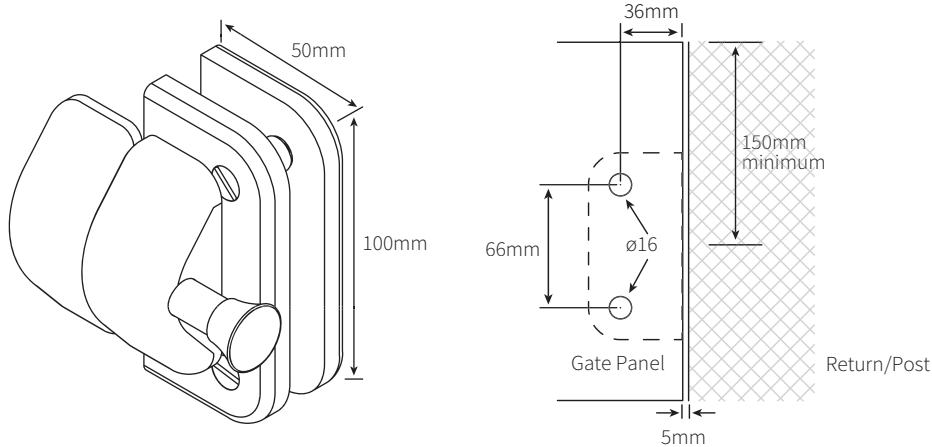
PL290.R Pool Gate Latch and Keeper – Glass to Glass 90°

AVAILABLE FINISHES

- Polished Stainless Steel
- Satin Stainless Steel

TECHNICAL DETAILS

- Designed for a frameless glass pool gate that closes to a post or wall
- Self latching using “Magna” latch
- Minimum door height 1.2 metres
- Suitable for 10mm and 12mm glass thickness, can be adapted for other sizes
- 316 stainless steel

PL1 Pool Gate Latch and Strike – Glass to Post



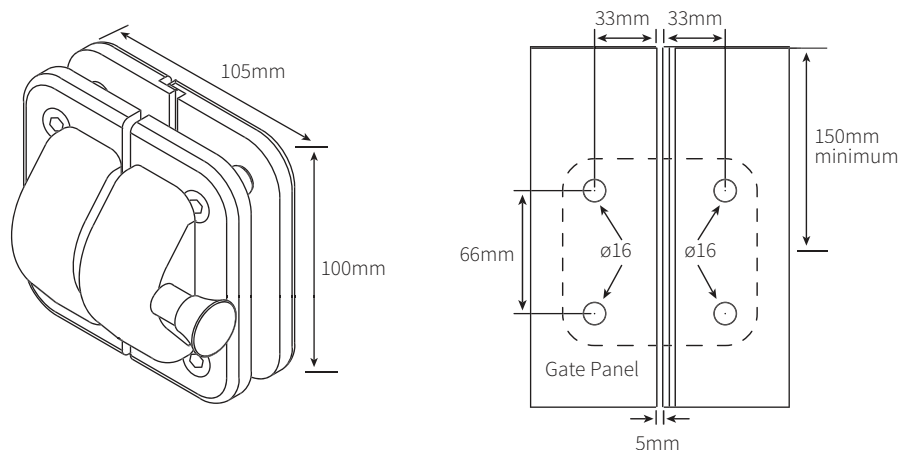
AVAILABLE FINISHES

- Polished Stainless Steel
- Satin Stainless Steel

TECHNICAL DETAILS

- Designed for a frameless glass pool gate that closes to a post or wall
- Self latching using “Magna” latch
- Minimum door height 1.2 metres
- Suitable for 10mm and 12mm glass thickness, can be adapted for other sizes
- 316 stainless steel

PL2 Pool Gate Latch and Keeper Glass to Glass



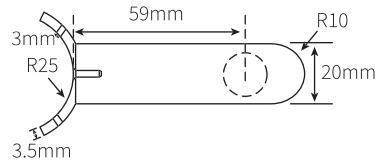
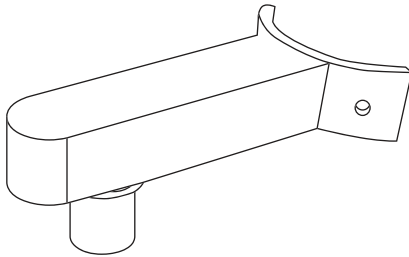
AVAILABLE FINISHES

- Polished Stainless Steel
- Satin Stainless Steel

TECHNICAL DETAILS

- Designed for a frameless glass pool gate and side panel
- Self latching using “Magna” latch
- Minimum door height 1.2 metres
- Suitable for 10mm and 12mm glass thickness, can be adapted for other sizes
- 316 stainless steel

FPF5.P Pivot Top Arm – Glass to Round Post

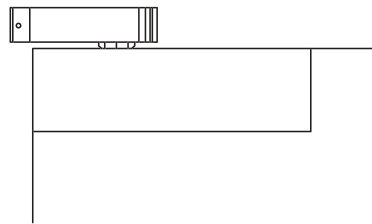


AVAILABLE FINISHES

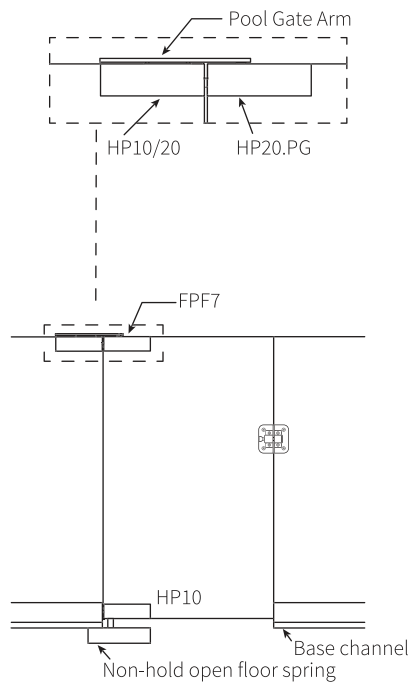
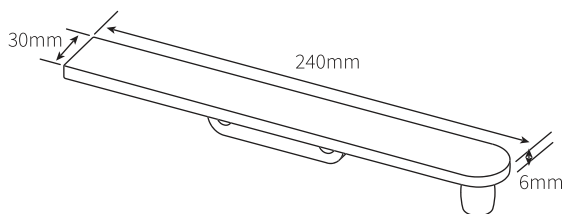
- Polished Stainless Steel
- Satin Stainless Steel

TECHNICAL DETAILS

- Use in conjunction with SBC42400 top patch to allow the gate to pivot from 50mm diameter post
- Suitable for 50mm diameter posts
- 316 grade stainless steel



FPF7 Pivot Top – Bracket



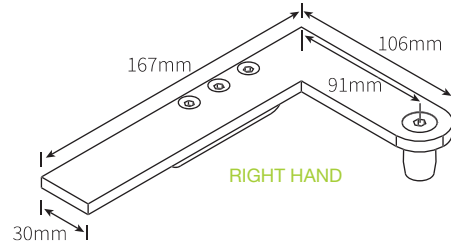
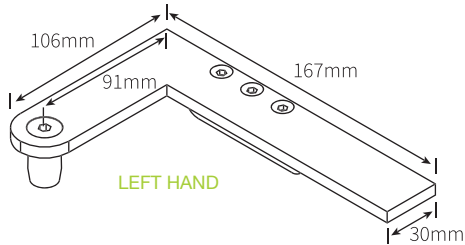
AVAILABLE FINISHES

- Polished Stainless Steel
- Satin Stainless Steel

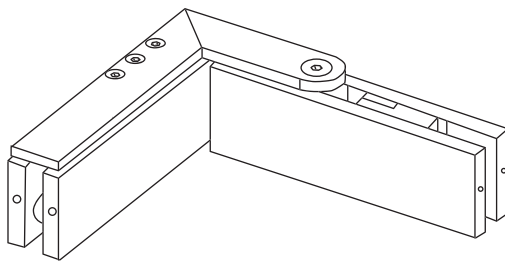
TECHNICAL DETAILS

- Use in conjunction with HP20/HP10 top patch fittings that allow them to work as a top pivot set
- Suitable for mounting a glass gate to a glass balustrade
- 316 grade stainless steel

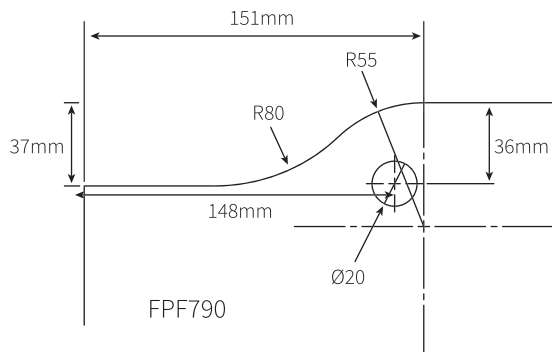
FPF790.L (LEFT) / FPF790.R (RIGHT) Pivot Arm – Top 90°



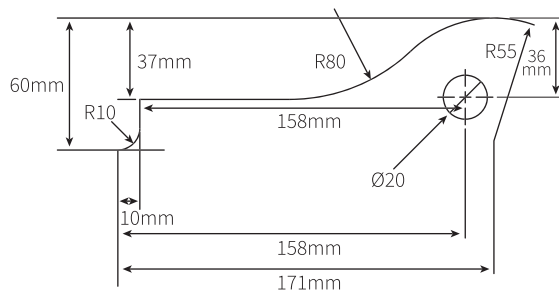
ASSEMBLY (RIGHT HAND SIDE)



GLASS DETAIL – RETURN PANEL



GLASS DETAIL – DOOR



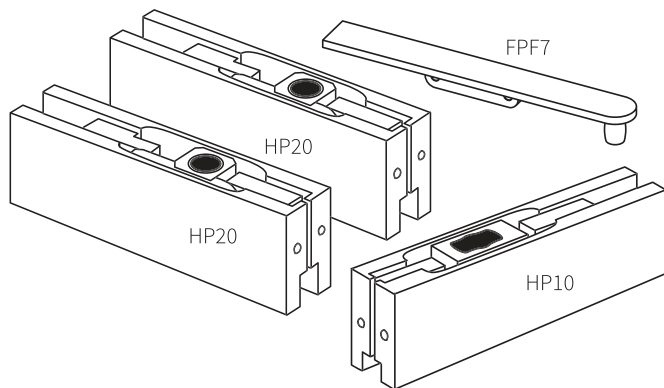
AVAILABLE FINISHES

- Polished Stainless Steel
- Satin Stainless Steel

TECHNICAL DETAILS

- Use in conjunction with HP20/HP10 top patch fittings that allow them to work as a top pivot set
- Suitable for mounting a glass gate to a glass balustrade
- 316 grade stainless steel

FPF7.KIT Pivot Top – Set Kit



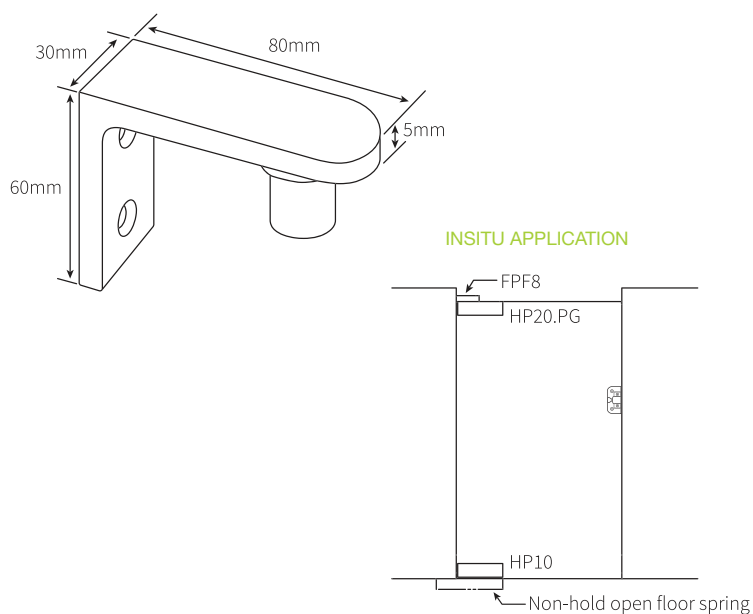
AVAILABLE FINISHES

- Polished Stainless Steel
- Satin Stainless Steel

TECHNICAL DETAILS

- Kit includes:
 - Two HP20
 - One HP10
 - One FPFT
- 316 grade stainless steel

FPF8 Pivot Arm Top – Glass to Solid Wall



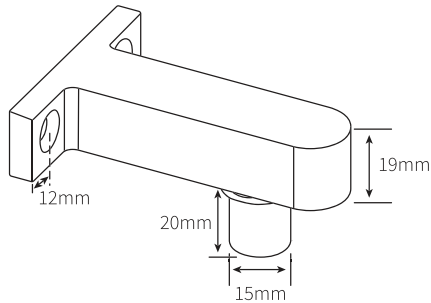
AVAILABLE FINISHES

- Polished Stainless Steel
- Satin Stainless Steel

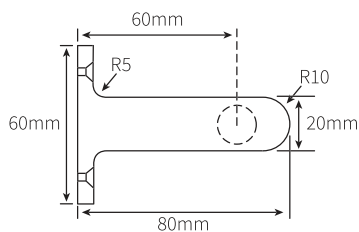
TECHNICAL DETAILS

- Kit includes:
 - Two HP20
 - One HP10
 - One FPFT
- 316 grade stainless steel

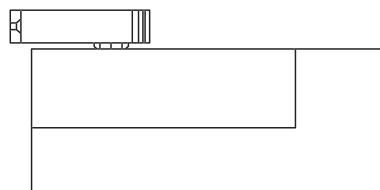
FPF5 Pivot Arm – Glass to Wall



GLASS CUT OUT DETAIL



INSITU APPLICATION



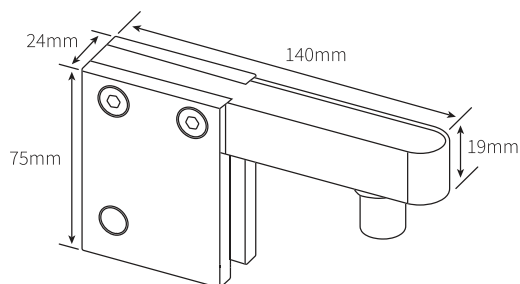
AVAILABLE FINISHES

- Polished Stainless Steel
- Satin Stainless Steel

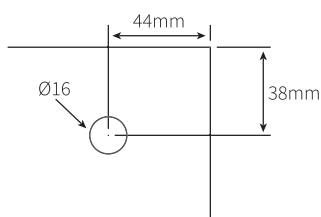
TECHNICAL DETAILS

- Kit includes:
 - Two HP20
 - One HP10
 - One FPFT
- 316 grade stainless steel

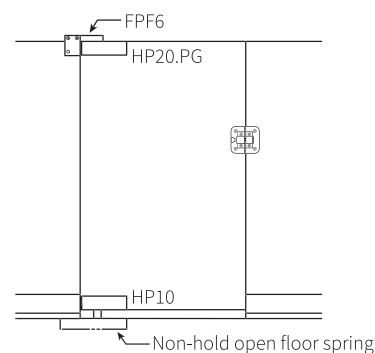
FPF6 Pivot Arm Top – Glass to Glass



GLASS CUT OUT DETAIL



INSITU APPLICATION



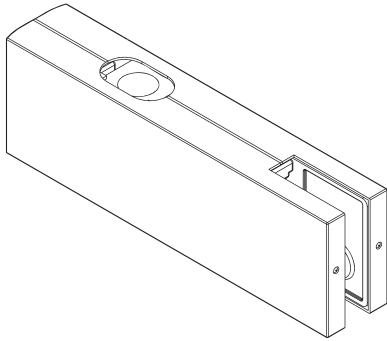
AVAILABLE FINISHES

- Polished Stainless Steel
- Satin Stainless Steel

TECHNICAL DETAILS

- Use in conjunction with elite glass standard patch fittings and floor springs
- Suitable for mounting a glass gate to a glass balustrade
- 316 grade stainless steel

HP20.PG Top Patch Fitting – Suitable for Pool Gate Pivots



AVAILABLE FINISHES

- Polished Stainless Steel
- Satin Stainless Steel

TECHNICAL DETAILS

- Adjustable pivot insert
- Features concealing cover plates
- Suitable for Eliteglass pool gate fittings - FPF5/FPF6/FPF7 and FPF8

TEA STAINING

WHAT IS TEA STAINING?

Tea staining can be described as: discoloration of the surface of stainless steel that does not affect the structural integrity or the longevity of the material. Visually it is a discoloration of the metal surface, which tends to follow the 'grain' of any surface finish. Although unpleasant to look at, it is not a serious form of corrosion. Aesthetically it is unacceptable so the following information is designed to help you understand its causes and institute a plan to keep your hardware looking better for longer.

WHERE AND WHY DOES TEA STAINING OCCUR?

Tea staining of stainless steels occurs most commonly in coastal areas and becomes progressively worse the closer you get to water. Other factors such as pollution, higher temperatures and humidity can also increase the effect. Tea staining occurs when particles gather in surface troughs of the metal and oxidise or corrode. For this reason, rougher surfaces promote tea staining. Smoother surface finishes are cleaner between washes and don't have surface grooves where chlorides (salt) and other contaminants can collect, concentrate and cause problems.

HOW TO MINIMISE TEA STAINING?

Specify and insist on the right grade - Grade 316 should be selected as a minimum within 5km of the coast, especially outside.

Surface finish - The rule of thumb for surface finish is the smoother the finish, the better the resistance to tea staining.

Perform regular maintenance - Wash regularly with clean fresh water, mild detergent and a cloth or soft brush. After washing rinse in clean water and wipe the surface dry with a soft absorbant cloth remembering to go with the grain on brushed stainless steel. Generally, you should wash your stainless steel every time you wash your windows or every three months. Do not use abrasive cleaners or a scouring pad of any type as they may cause excessive wear and dull the finish. Even smooth stainless steel finishes in coastal environments may show tea staining if not washed regularly.

TEA STAINING CONT.

With a little bit of care, you can radically minimise, if not prevent tea staining and get years of visual enjoyment from your stainless steel. It must be recognised that keeping a pristine finish requires understanding, additional effort and usually extra cost in the first instance. It is all about determining your expectations of the hardware and planning to achieve and maintain the visual appeal.

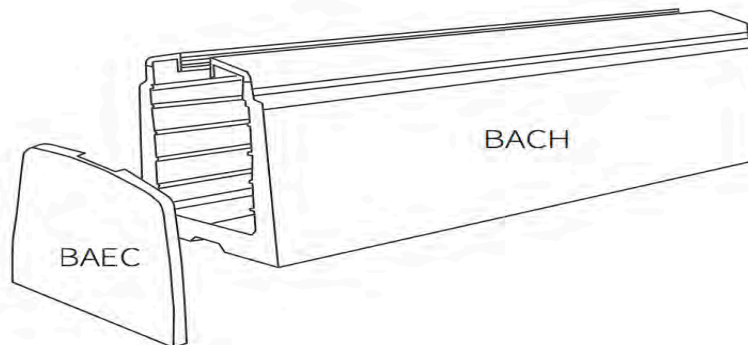
TEA STAINING REMOVAL

Brown discoloration or tea staining of stainless steel in coastal environments is a common problem, but luckily it is one that can be prevented. If you have tea staining there are a few steps to take to bring your stainless-steel back to “as new” condition.

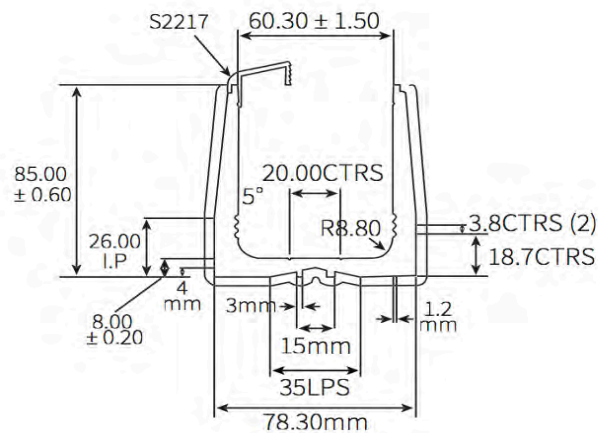
Get a specialist cleaning product such as the 3M Stainless Steel cleaner and a non-scratch cleaning sponge, both readily available from your supermarket.

Apply clean water with the cleaning sponge and rub gently. If the mark won't shift, it may be necessary to use a stainless-steel cleaner, in which case apply the cleaner and rub gently. An old toothbrush can be used to get into any nooks and crannies. After cleaning it is important to rinse the stainless steel with clean fresh water and buff with a soft cloth. Remember to always rub with the grain, NEVER across as you will spoil the finish and the stainless can lose its shine. Also, NEVER use steel wool to clean stainless steel. It is usually made of carbon steel and the fragments left behind as well as scratching the surface will rust onto the stainless-steel surface. If you must use a scourer, use stainless steel wool or a Scotch rite plastic scourer. This will scratch the surface, but will not leave fragments behind to go rusty. On polished stainless steel surfaces this will damage the surface and is not recommended.

BACH / BAEC Balustrade Channel and End Cap



SIDE VIEW



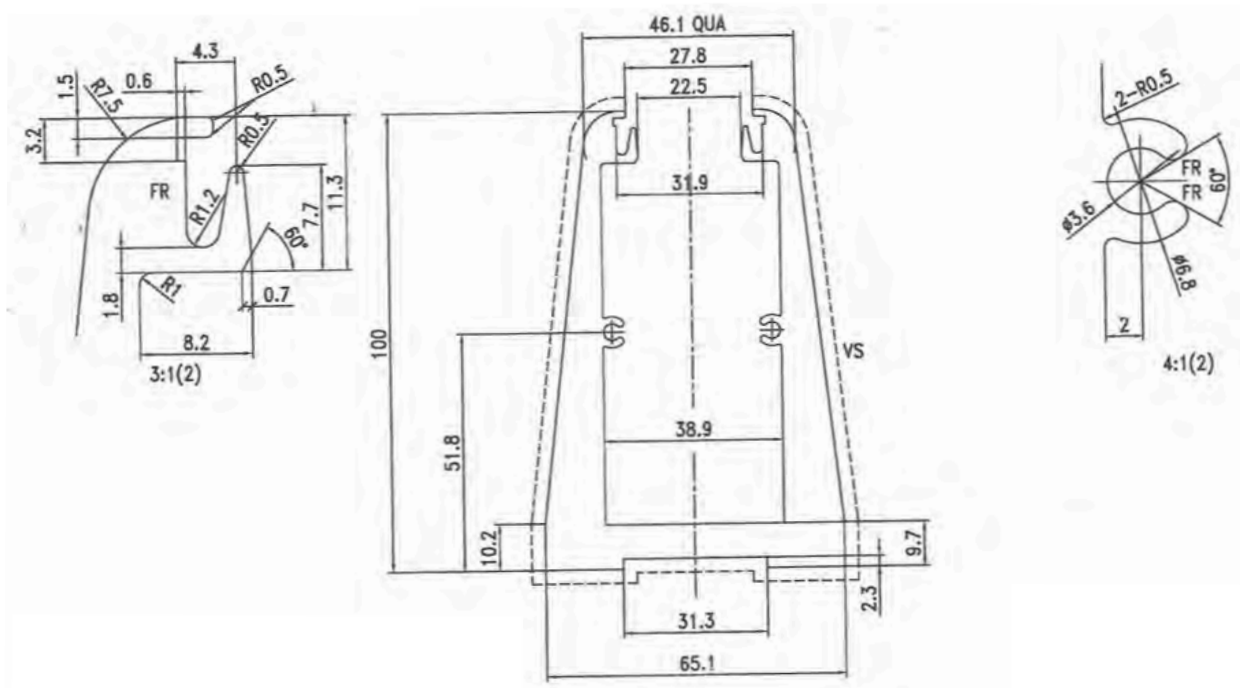
AVAILABLE FINISHES

- Mill finish
- Silver pearl powdercoat

TECHNICAL DETAILS

- 5.8m stock length
- Suitable for 12 and 15mm glass

BIGFOOT CHANNEL



AVAILABLE FINISHES

- Mill finish

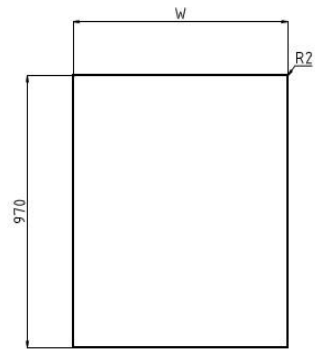
TECHNICAL DETAILS

- 6m stock length
- Suitable for 12 and 15mm glass

GLASS BALUSTRADE PANELS 12mm Standard Panels

12mm Standard Panels with Polished Edges & 2mm Polished Radius

CODE	WIDE (mm)	HEIGHT (mm)	AREA (sqm)
BG12-100	100	970	0.10
BG12-150	150	970	0.15
BG12-200	200	970	0.19
BG12-250	250	970	0.24
BG12-300	300	970	0.29
BG12-350	400	970	0.34
BG12-400	400	970	0.38
BG12-450	450	970	0.44
BG12-500	500	970	0.48
BG12-550	550	970	0.53
BG12-600	600	970	0.58
BG12-650	650	970	0.63
BG12-700	700	970	0.67
BG12-750	750	970	0.73
BG12-800	800	970	0.77
BG12-850	850	970	0.82
BG12-900	900	970	0.87
BG12-950	950	970	0.92
BG12-1000	1000	970	0.97
BG12-1050	1050	970	1.01
BG12-1100	1100	970	1.06
BG12-1150	1150	970	1.11
BG12-1200	1200	970	1.16
BG12-1250	1250	970	1.21
BG12-1300	1300	970	1.26
BG12-1350	1350	970	1.3
BG12-1400	1400	970	1.36
BG12-1450	1450	970	1.4
BG12-1500	1500	970	1.45
BG12-1550	1550	970	1.5
BG12-1600	1600	970	1.55
BG12-1650	1650	970	1.6
BG12-1700	1700	970	1.65
BG12-1750	1750	970	1.7
BG12-1800	1800	970	1.75
BG12-1850	1850	970	1.79
BG12-1900	1900	970	1.85
BG12-1950	1950	970	1.89
BG12-2000	2000	970	1.94

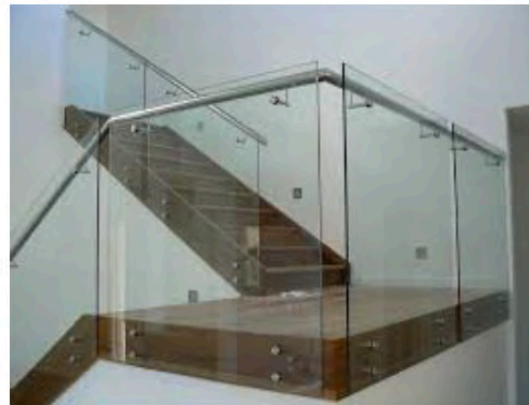
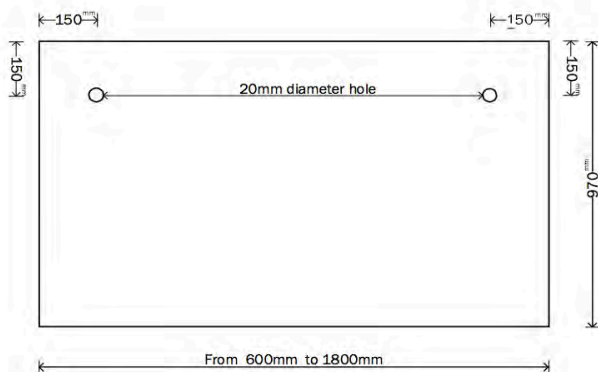


GLASS BALUSTRADE PANELS With 2 Holes

Balustrade Panels with 2 Holes

CODE	WIDE (mm)	HEIGHT (mm)	AREA (sqm)
BGHG12-600	600	970	0.58
BGHG12-650	650	970	0.63
BGHG12-700	700	970	0.68
BGHG12-750	750	970	0.73
BGHG12-800	800	970	0.78
BGHG12-850	850	970	0.82
BGHG12-900	900	970	0.87
BGHG12-950	950	970	0.92
BGHG12-1000	1000	970	0.97
BGHG12-1050	1050	970	1.02
BGHG12-1100	1100	970	1.07
BGHG12-1150	1150	970	1.12
BGHG12-1200	1200	970	1.16
BGHG12-1250	1250	970	1.21
BGHG12-1300	1300	970	1.26
BGHG12-1350	1350	970	1.31
BGHG12-1400	1400	970	1.36
BGHG12-1450	1450	970	1.41
BGHG12-1500	1500	970	1.46
BGHG12-1550	1550	970	1.5
BGHG12-1600	1600	970	1.55
BGHG12-1650	1650	970	1.6
BGHG12-1700	1700	970	1.65
BGHG12-1750	1750	970	1.7
BGHG12-1800	1800	970	1.75

Balustrade Glass with Holes for Handrail

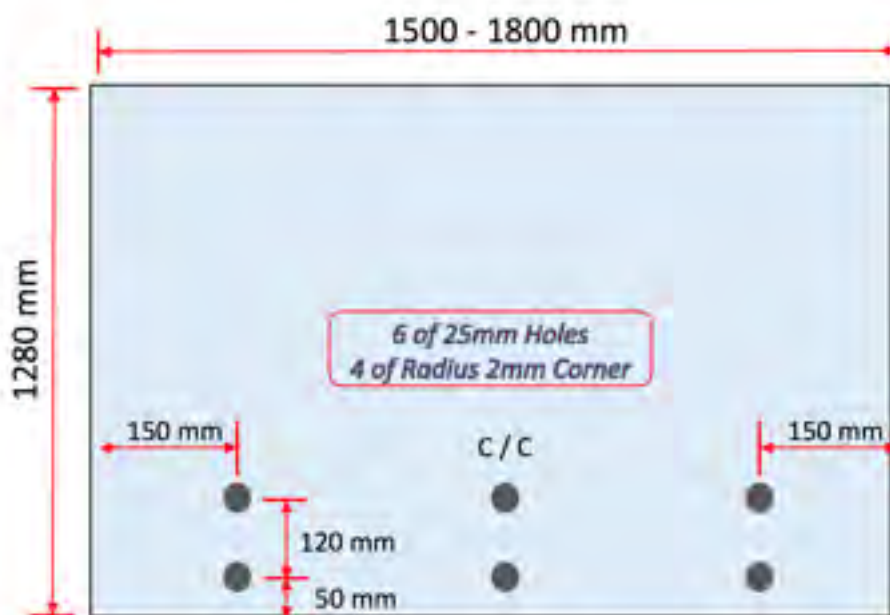


GLASS BALUSTRADE PANELS 4 / 6 Holes

Balustrade Panels with 4/6 Holes

CODE	WIDE (mm)	HEIGHT (mm)	AREA (sqm)	HOLES
BGHG12-600	600	1280	0.77	4 Holes
BGHG12-650	650	1280	0.83	4 Holes
BGHG12-700	700	1280	0.90	4 Holes
BGHG12-750	750	1280	0.96	4 Holes
BGHG12-800	800	1280	1.02	4 Holes
BGHG12-850	850	1280	1.09	4 Holes
BGHG12-900	900	1280	1.15	4 Holes
BGHG12-950	950	1280	1.22	4 Holes
BGHG12-1000	1000	1280	1.28	4 Holes
BGHG12-1050	1050	1280	1.34	4 Holes
BGHG12-1100	1100	1280	1.41	4 Holes
BGHG12-1150	1150	1280	1.47	4 Holes
BGHG12-1200	1200	1280	1.54	4 Holes
BGHG12-1250	1250	1280	1.60	4 Holes
BGHG12-1300	1300	1280	1.66	4 Holes
BGHG12-1350	1350	1280	1.73	4 Holes
BGHG12-1400	1400	1280	1.79	4 Holes
BGHG12-1450	1450	1280	1.86	4 Holes
BGHG12-1500	1500	1280	1.92	6 Holes
BGHG12-1550	1550	1280	1.98	6 Holes
BGHG12-1600	1600	1280	2.05	6 Holes
BGHG12-1650	1650	1280	2.11	6 Holes
BGHG12-1700	1700	1280	2.18	6 Holes
BGHG12-1750	1750	1280	2.24	6 Holes
BGHG12-1800	1800	1280	2.30	6 Holes

12MM TOUGHENED GLASS Side Fixing Standard Size Panel



AVAILABLE FINISHES

- 12mm Clear Toughened Glass

TECHNICAL DETAILS

- Side fixing standard size panel

POSIGLAZE Glass Balustrade System



DESCRIPTION

The PosiGlaze Glass Balustrade System was developed for cantilevered structural balustrades to cope with the transition from monolithic toughened safety glass to toughened laminated safety glass.

The unique design uses a special high strength hollow core aluminium extrusion and special glass clamp kits that clamp the glass and locate into the section. This means the system can be used on 12, 15, & 19mm toughened safety glass and 13.5, 17.5 and 21.5 laminated safety glass without holes in the glass. Holes can make the systems more complex and often the holes are the point of failure.

The other key to PosiGlaze is its clever locating and adjusting technique which allows the installers to adjust the glass panels once in place, with a turn of a spanner, saving on installation time.

SUITABLE FOR

The PosiGlaze Glass Balustrade System can be base fixed or side fixed for top or side (face) mounted balustrade applications.

The 120mm high x 72mm wide extrusion comes in 3 meter lengths all pre drilled ready for fixing and once the section is fitted the glass is easily dropped in and located. The systems also make re-glazing easy, or the glass type or thickness can be easily changed to a later date.

A top seal strip section and gasket are installed after the glass has been adjusted to give a clean top edge look and matching end caps complete the system.

For the side fixed systems an additional clip on side cladding and tapered base cladding section is used for aesthetics and to cover the fixing holes.

AVAILABLE FINISHES

The sections and cover are fully anodized for durability and come standard in a unique brushed anodized finish which give a "Stainless Steel Effect".

Other aluminium finishes are available on request.

PG120.B / PG120.S / PG180.S PosiGlaze Balustrade System

DESIGN AND TESTING

The PosiGlaze Glass Balustrade System has been designed and tested to New Zealand and British Standards, which use similar occupancy types and loading requirements.

The UK testing BS 6180:2011, involved base and side fixed systems to concrete and steel a range of glass types and thicknesses from 15mm - 21mm including TLSG with EVA and SG inter layer.

The NZ testing is to AS/NZS 1170 loadings in accordance with B1/VM1 Amend 8, for Occupancy A, B, E, C3 and the higher C1, C2 and D loadings.

Therefore the systems can be used for all residential applications, except for C5 (over-crowding).

INSTALLATION

The PosiGlaze Glass Balustrade System can be glazed with Toughened, Heat Soaked, screen printed, Digital printed, Toughened Safety Glass (TSG) or SafeLite Toughened Laminated Safety Glass (TLSG), using either PVB, CIP, EVA or SGP interlayer. Note that the breakage characteristic can alter with different interlayer's.

(Refer to Glass Manufacturer for more details)

COMPLIANCE

The PosiGlaze Glass Balustrade System can be used for compliance with NZ Building Code Clause F4-Safety from falling, with barrier heights to suit the design application, normally 1 metre.

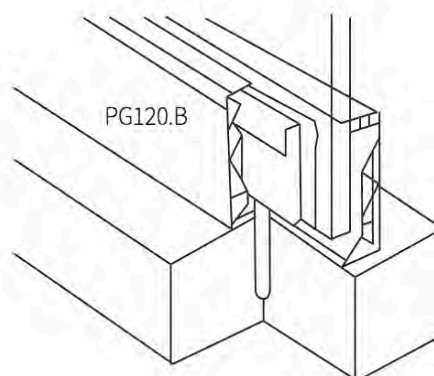
The maximum glass height is a function of the glass type, thickness, occupancy loading, and wind loading and a design table or specific design is available.

Test data and independent engineered and certified Producer Statements (PS1) are available for compliance with the NZ building code.

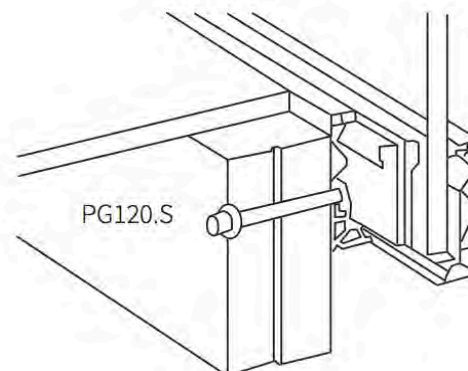
Heat soaked TSG is recommended for barriers with interlinking handrails or top rails.

PG120.B

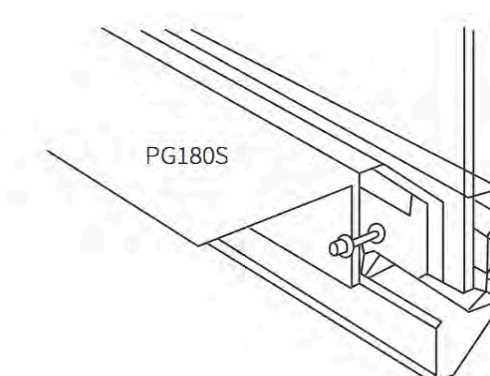
- Base fix system
- 120mm x 72mm x 3m

**PG120.S**

- Side fix system
- 120mm x 74mm x 3m

**PG180.S**

- Side fix system
- 180mm x 74mm x 3m



BA124 Infinity Sidefix Glass Balustrade System

DESCRIPTION

- Infinity sidefix glass balustrade system.
- No holes are required in the glass panels, they are simple to install, align and adjust.
- Residential A, C3 and pool fencing require 12mm toughened glass, clamps at 500mm centres with a maximum overhang of 250mm.
- Commercial B,E and C3 require 15mm toughened glass, clamps at 400mm centres with a maximum overhang of 200mm.
- PS1 and system manual with full set out details are available on request

SUITABLE FOR

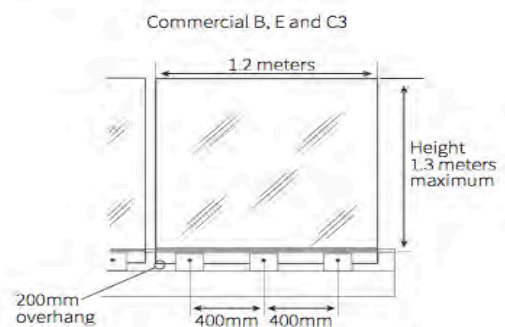
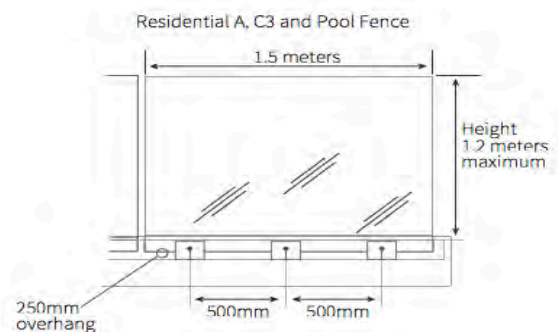
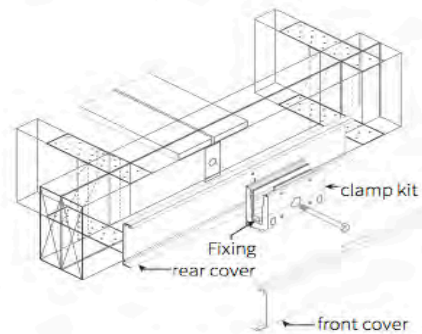
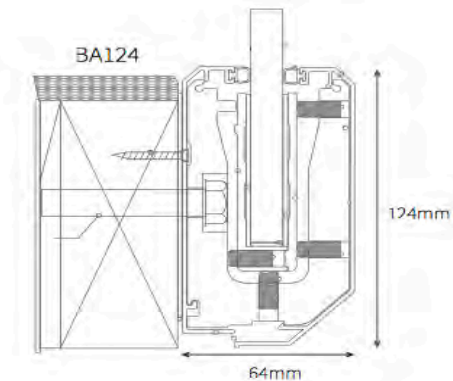
- Side fix frameless glass balustrades.
- Pool fencing and the following balustrade occupancy types - Residential A and CS, Commercial B, E and C3.

AVAILABLE FINISHES

- Natural anodised aluminium with mill finish.
- Standard colour powder coat options also available.

ORDER

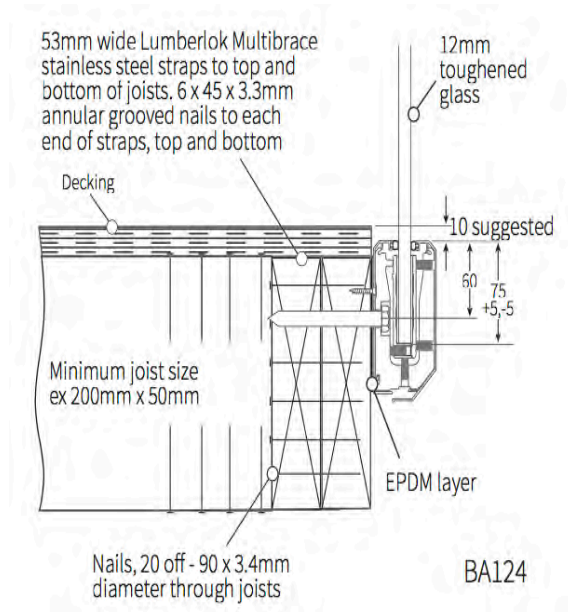
- Specify lengths of front and rear covers, plus the required number of glass clamps. All system components can be selected on pages to follow.



BA124 Infinity Sidefix Glass Balustrade System

TIMBER DECK - M12 COACH SCREW

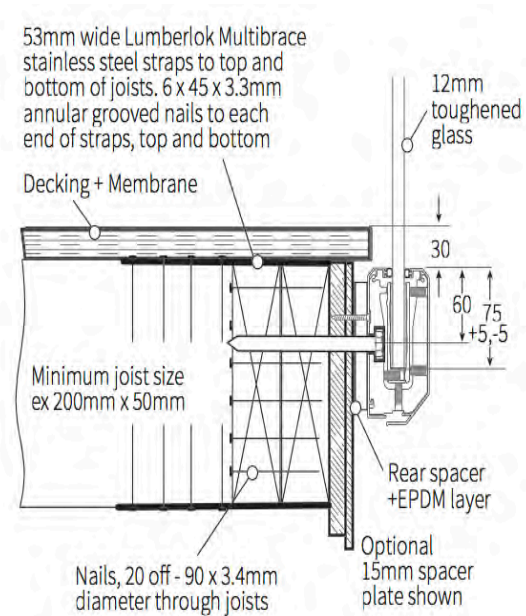
- Occupancy
- Residential and C3 only



1. Coachscrews 90mm minimum thread engagement into joists.
2. Bond all coachscrews with SIKa Supergrip to full depth.
3. A rubber, EPDM or foam tape layer must be installed between the clamp and timber.

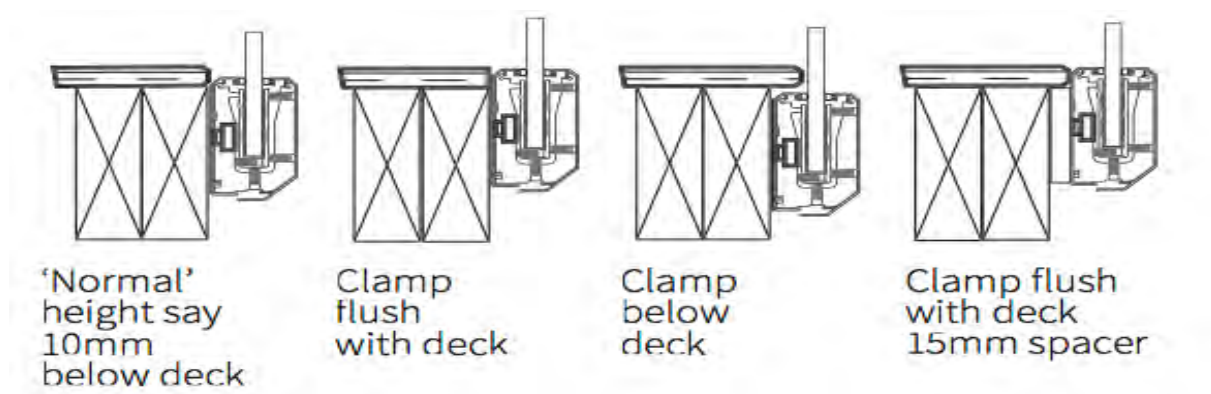
WATERPROOF TIMBER DECK - M12 COACH SCREW

- Occupancy
- Residential and C3 only



1. Coachscrews 90mm minimum thread engagement into joists.
2. Bond all coachscrews with SIKa Supergrip to full depth.
3. A rubber, EPDM or foam tape layer must be installed between the clamp and timber.

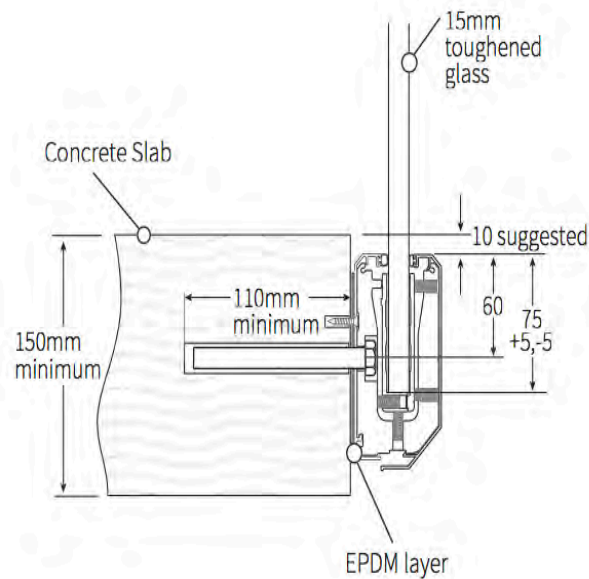
INFINITY GLASS CLAMPS HEIGHT OPTIONS



BA124 Infinity Sidefix Glass Balustrade System

CONCRETE DECK - M12 STUD

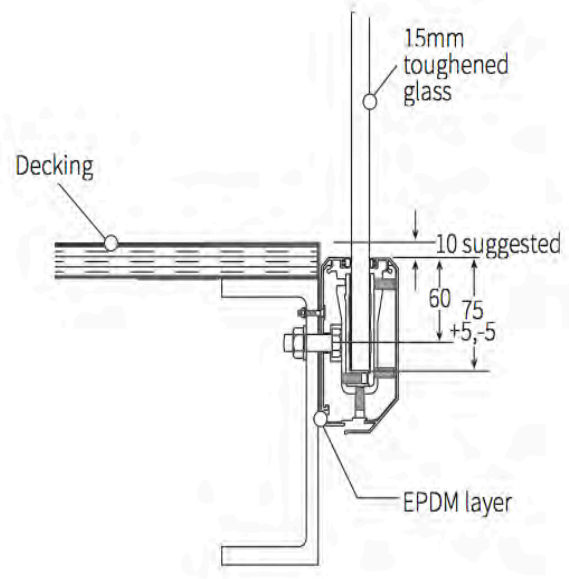
- Occupancy
- Residential A & C3 = 12mm toughened glass
- Residential B, E & C3 = 15mm toughened glass



1. All fixings must engage into the structural slab.
2. A rubber, EPDM or foam type layer must be installed between the clamp and concrete.

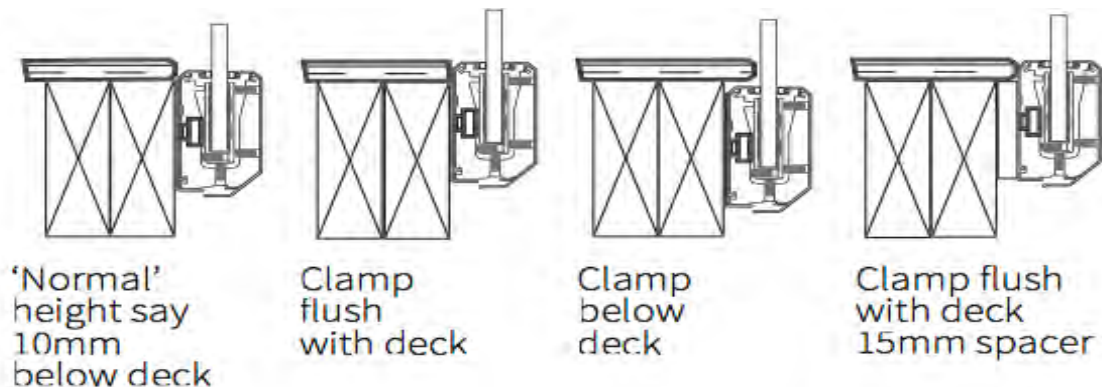
STEEL STRUCTURE - M12 BOLT

- Occupancy
- Residential A and C3 = 12mm glass
- Commercial B, E or C3 = 15mm glass



1. A rubber, EPDM or foam type layer must be installed between the clamp and steel.

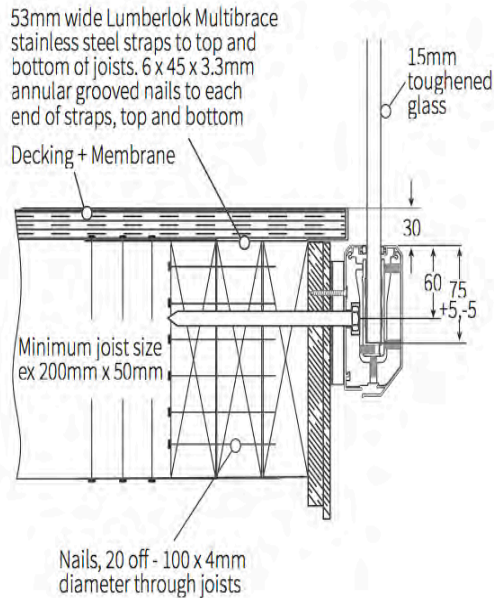
INFINITY GLASS CLAMPS HEIGHT OPTIONS



BA124 Infinity Sidefix Glass Balustrade System

WATERPROOF TIMBER DECK

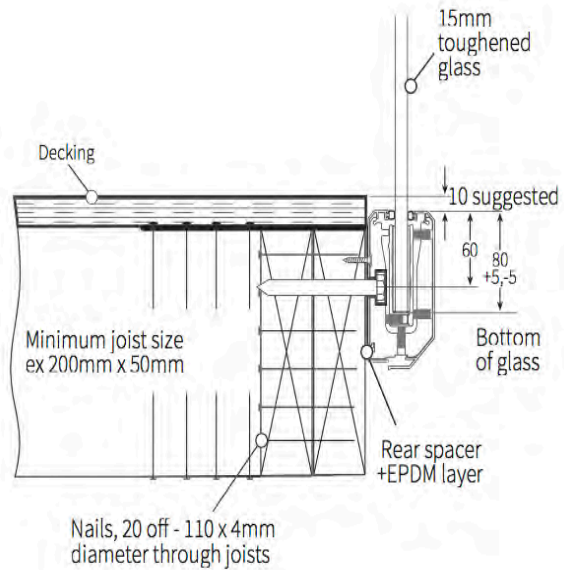
- Occupancy
- Commercial B, E or C3



1. Coachscrews 120mm minimum thread engagement into joists.
2. Bond all coachscrews with SIKa Supergrip to full depth.
3. A rubber, EPDM or foam tape layer must be installed between the clamp and timber.

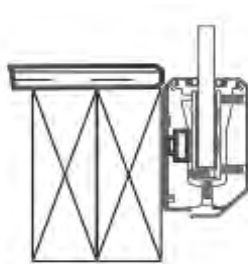
TIMBER DECK - M12 COACH SCREW

- Occupancy
- Commercial B, E or C3

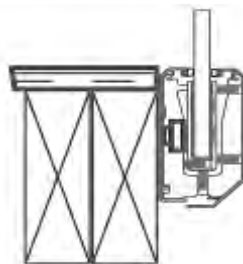


1. Coachscrews 90mm minimum thread engagement into joists.
2. Bond all coachscrews with SIKa Supergrip to full depth.
3. A rubber, EPDM or foam tape layer must be installed between the clamp and timber.

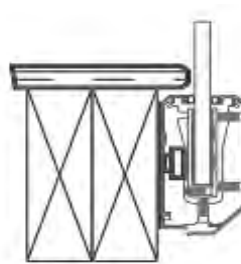
INFINITY GLASS CLAMPS HEIGHT OPTIONS



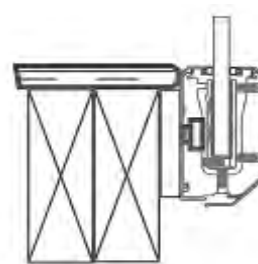
'Normal' height say 10mm below deck



Clamp flush with deck



Clamp below deck



Clamp flush with deck 15mm spacer

CKI.1 Infinity Heavy Duty Clamp Extrusion

TECHNICAL DETAILS

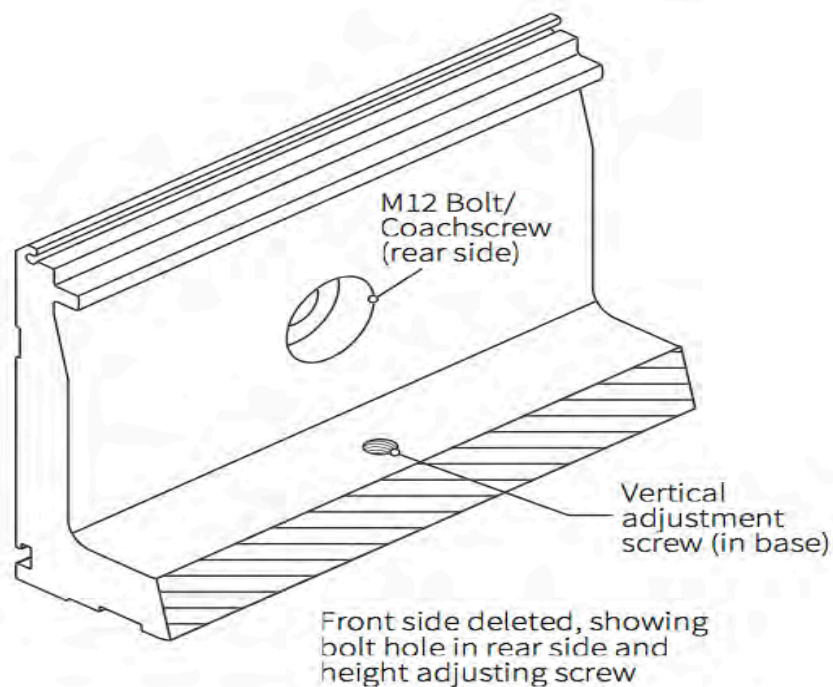
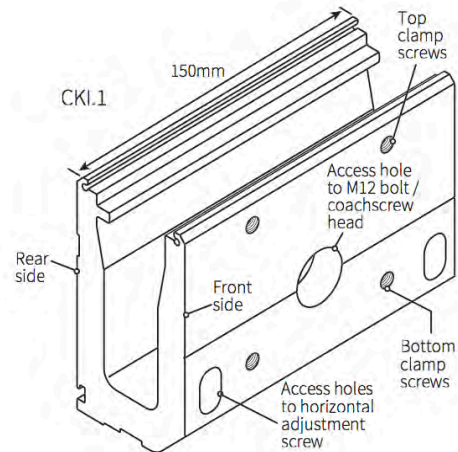
- Infinity heavy duty clamp extrusion.
- The infinity balustrade clamp comes as a kit - clamp extrusion, front and rear gasket extrusions gaskets, glass bottom packer and all adjusting screws (M12 fastner not included).

SUITABLE FOR

- 12mm, 13.52mm, 15mm, 17.52mm, 19mm and 21.52mm glass thickness.

AVAILABLE FINISHES

- Aluminium



RC1 SERIES Rear Cover / Clamp Base with Bulb Seal (template)**RCI SERIES ITEM NUMBERS**

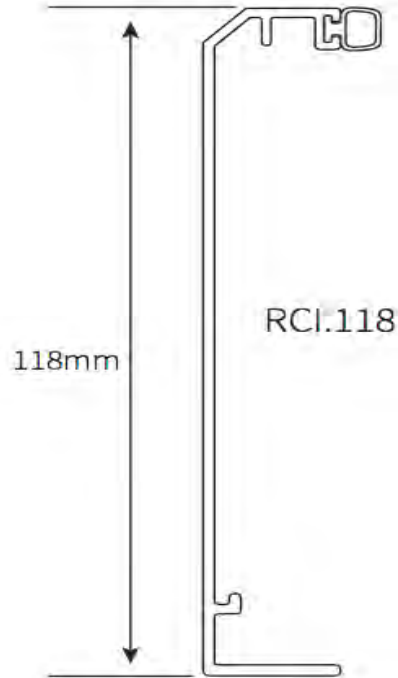
- RC1.118.N.5000 - 118mm height, natural anodised, 5m
- RC1.118.N.2500 - 118mm height, natural anodised, 2.5m
- RC1.118.M.5000, 118mm height, mill aluminium, 5m
- RC1.118.M.2500, 118mm height, mill aluminium, 2.5m

SUITABLE FOR

- Infinity system

AVAILABLE FINISHES

- Natural anodised
- Mill aluminium
- Standard dulux colours (same price as natural anodised if 25lm or more, if less than 25lm then P.O.A.)

**FCI SERIES** Front Cover with Bulb Seal**RCI SERIES ITEM NUMBERS**

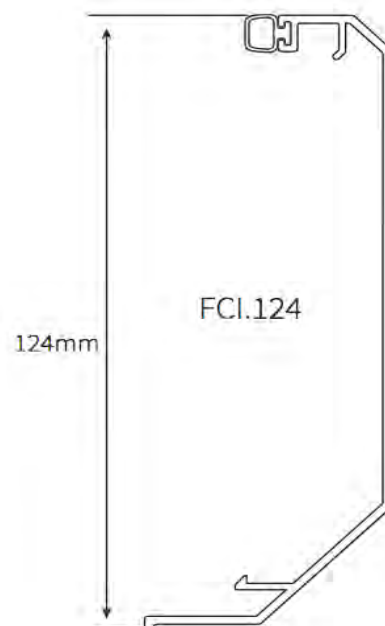
- FC1.124.N.5000, 124mm height, natural anodised, 5m
- FC1.124.N.2500, 124mm height, natural anodised, 2.5m
- FC1.124.M.5000, 124mm height, mill aluminium, 5m
- FC1.124.M.2500, 124mm height, mill aluminium, 2.5m

SUITABLE FOR

- Infinity system

AVAILABLE FINISHES

- Natural anodised
- Mill aluminium
- Standard dulux colours (same price as natural anodised if 25lm or more, if less than 25lm then P.O.A.)



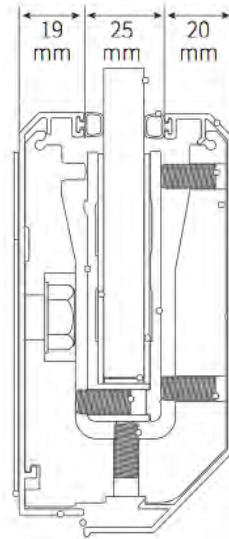
CKI.12 Clamp Kit - 12mm glass

TECHNICAL DETAILS

- Infinity system
- 12mm glass thickness

AVAILABLE FINISHES

- Natural anodised
- Mill



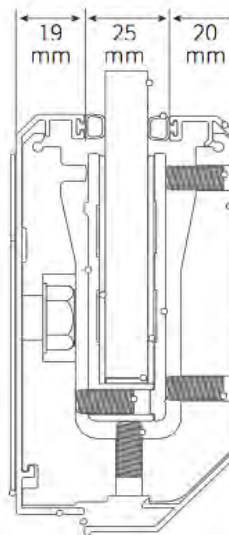
CKI.15 Clamp Kit - 15mm glass

TECHNICAL DETAILS

- Infinity system
- 15mm glass thickness

AVAILABLE FINISHES

- Natural anodised
- Mill



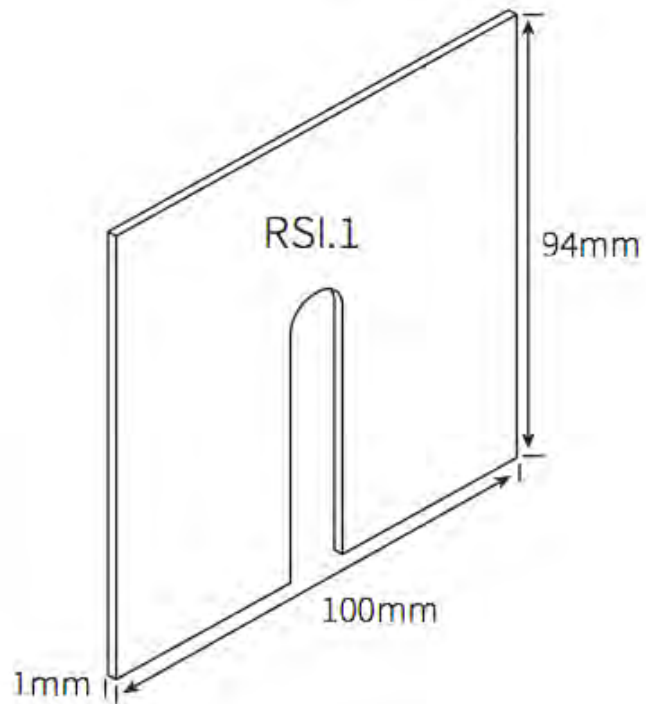
RSI.1 Rear Cover Spacer Plate

TECHNICAL DETAILS

- 1mm to align rear cover if structure is not straight
- Use only if required

AVAILABLE FINISHES

- Silver frost
- Mill



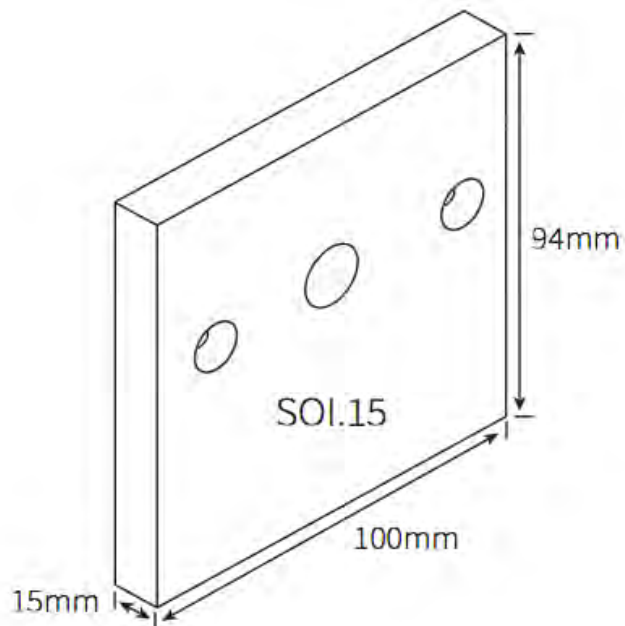
SOI.15 Stand Off Plate

TECHNICAL DETAILS

- Will stand the infinity system 15mm off the structure
- Use only if required

AVAILABLE FINISHES

- Silver frost
- Mill



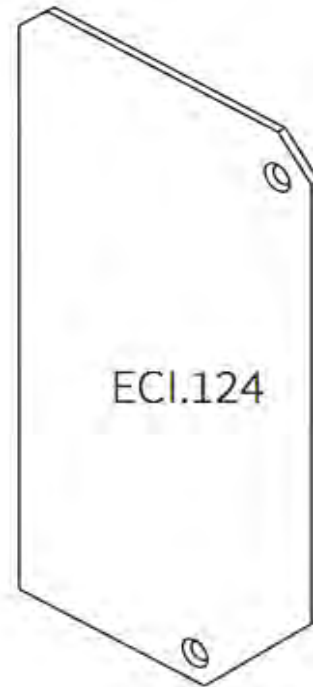
EC.124.6 / EC.124.7 Extrusion End Cap

TECHNICAL DETAILS

- EC1.124.6, no.6 plastic plug + 6g x 25 SS CS screw
- EC1.124.7, no.7 plastic plug + z x 25 SS CS screw

AVAILABLE FINISHES

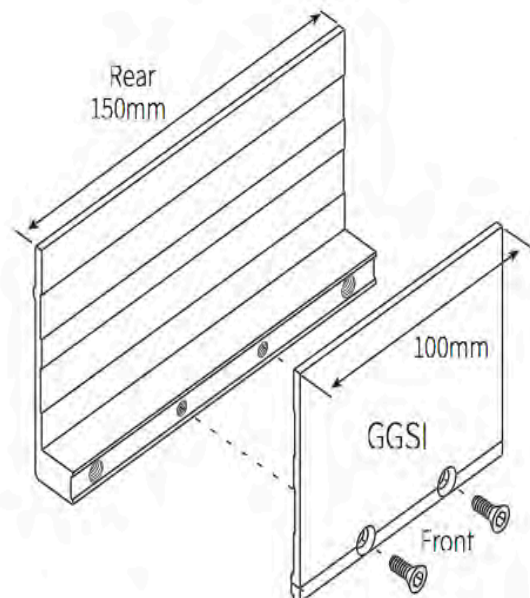
- Natural anodised
- Mill



GGSI.F / GGSI.R Glass Gasket Set Front and Rear

TECHNICAL DETAILS

- GGSI.F - front
- GGSI.R - rear

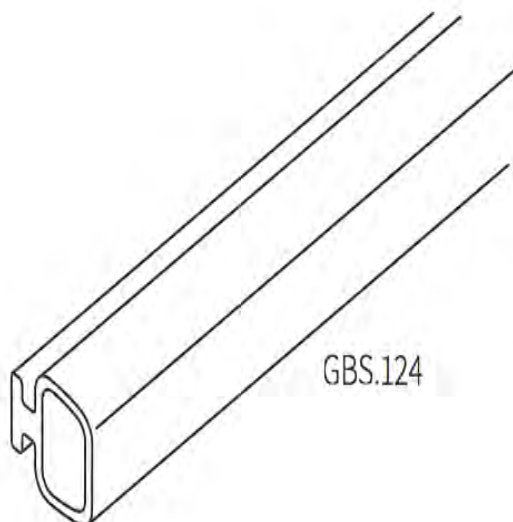


GGI.12F / GGI.12R Glass Gasket For 12/15mm Glass Thickness**TECHNICAL DETAILS**

- GGI.12F (front for 12mm thick glass) - 2mm thick x 100mm wide
- GGI.12R (rear for 12mm thick glass) - 2mm thick x 150mm wide
- GGI.15F (front for 15mm thick glass) - 1mm thick x 100mm wide
- GGI.14R (rear for 15mm thick glass) - 1mm thick x 150mm wide

AVAILABLE FINISHES

- Natural anodised
- Mill

**GBS.124 Glass Bulb Seal**

RDTR M/S Round Top Rail**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- 25mm
- 6 metre

RDEC M/S Round End Cap**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- 25mm

RDWB M/S Round Wall Bracket - Bottom Fix**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- 25mm

RD-180 M/S Round Straight Joiner**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- 25mm

RD-90 M/S Round Corner Joiner**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- 25mm

RDT M/S Round T Section Joiner**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- 25mm

RDUP/DOWN M/S Round Adjustable Vertical Joiner**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- 25mm

RDS/S M/S Round Adjustable Horizontal Joiner**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- 25mm

RDUP/DOWN M/S Round Internal Adjustable Vertical Joiner



AVAILABLE FINISHES

- Mirror
- Satin

TECHNICAL DETAILS

- 25mm
- Internal

RDS/S M/S Round Internal Adjustable Horizontal Joiner



AVAILABLE FINISHES

- Mirror
- Satin

TECHNICAL DETAILS

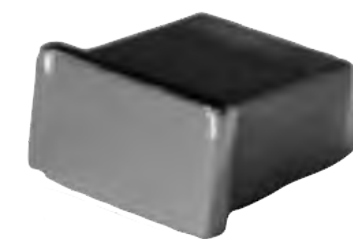
- 25mm
- Internal

SQTR M/S Square Top Rail**AVAILABLE FINISHES**

- Mirror
- Satin
- Black

TECHNICAL DETAILS

- 25mm x 21mm
- 6 metre

SQEC M/S Square End Cap**AVAILABLE FINISHES**

- Mirror
- Satin
- Black

TECHNICAL DETAILS

- 25mm x 21mm

SQWB M/S Square Wall Bracket - Bottom Fix**AVAILABLE FINISHES**

- Mirror
- Satin
- Black

TECHNICAL DETAILS

- 25mm x 21mm

SQ-180 M/S Square Straight Joiner**AVAILABLE FINISHES**

- Mirror
- Satin
- Black

TECHNICAL DETAILS

- 25mm x 21mm

SQ-90 M/S Square Corner Joiner**AVAILABLE FINISHES**

- Mirror
- Satin
- Black

TECHNICAL DETAILS

- 25mm x 21mm

SQT M/S Square T Section Joiner**AVAILABLE FINISHES**

- Mirror
- Satin
- Black

TECHNICAL DETAILS

- 25mm x 21mm

SQUP/DOWN M/S Square Adjustable Vertical Joiner**AVAILABLE FINISHES**

- Mirror
- Satin
- Black

TECHNICAL DETAILS

- 25mm x 21mm

SQS/S M/S Square Adjustable Horizontal Joiner**AVAILABLE FINISHES**

- Mirror
- Satin
- Black

TECHNICAL DETAILS

- 25mm x 21mm

SQUP/DOWN M/S Square Internal Adjustable Vertical Joiner**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- 25mm x 21mm
- Internal

SQS/S M/S Square Internal Adjustable Horizontal Joiner**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- 25mm x 21mm
- Internal

RD38TR M/S Round Top Rail**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- 38mm
- 6 metre
- Slotted

RD38EC M/S Round End Cap**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- 38mm

RD38WB M/S Round Wall Bracket - Bottom Fix**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- 38mm

RD38-180 M/S Round Straight Joiner**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- 38mm

RD38-90 M/S Round Corner Joiner**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- 38mm

RD38-90V M/S Round Vertical Corner Joiner**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- 38mm

RD38UP/DOWN M/S Round Adjustable Vertical Joiner Downwards**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- 38mm

RD38S/S M/S Round Adjustable Vertical Joiner Upwards**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- 38mm

RD50TR M/S Round Top Rail**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- 50mm

RD50EC M/S Round End Cap**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- 50mm

RD50WB M/S Round Wall Bracket - Bottom Fix**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- 50mm

RD50-180 M/S Round Straight Joiner**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- 50mm

RD50-90 M/S Round Corner Joiner**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- 50mm

RD50-90V M/S Round Vertical Corner Joiner**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- 50mm

RD50UP/DOWN M/S Round Adjustable Vertical Joiner Downwards**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- 50mm

RD50S/S M/S Round Adjustable Vertical Joiner Upwards**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- 50mm

SQ50x25 M/S Square Top Rail**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- 50mm x 25mm
- 6 metre

SQ50x25EC M/S Square End Cap**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- 50mm x 25mm

SQ50x25WB M/S Square Wall Bracket - Bottom Fix**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- 50mm x 25mm

SQ50x25-180 M/S Square Straight Joiner**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- 50mm x 25mm

SQ50x25-90 M/S Square Corner Joiner**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- 50mm x 25mm

SQ50x25UP/DOWN M/S Square Adjustable Vertical Joiner**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- 50mm x 25mm

SQ50x25S/S M/S Square Adjustable Horizontal Joiner**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- 50mm x 25mm

RDTR M/S Round Hand Rail Tube - 38 DIAM**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- 38mm
- 6 metre

RDEC M/S Round Tube End Cap**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- 38mm

RDWB M/S Round Tube Wall Bracket - Bottom Fix**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- 38mm

RD180 M/S Round Tube Straight Joiner**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- 38mm

RD90 M/S Round Hand Rail Corner Joiner**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- 38mm

RD90-1 M/S Round Hand Rail Corner Joiner**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- 38mm

RD90-2 M/S Round Hand Rail Corner Joiner**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- 38mm

RD180 M/S Round Hand Rail 180 Degree Bend**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- 38mm

RD M/S End Elbow**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- 38mm

RDADJ M/S Adjustable Corner Joiner**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- 38mm

RDADJ-1 M/S Adjustable Corner Joiner**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- 38mm

RDADJ-2 M/S Adjustable Corner Joiner**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- 38mm

RDADJ-3 M/S Round Hand Rail Adjustable Joiner**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- 38mm

RDHRA M/S Round Hand Rail Adapter**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- 38mm

RDHRA1 M/S Round Hand Rail Adapter**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- 38mm

RDHRCB M/S Round Hand Rail Cover & Base**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- 38mm

RDHR50TR M/S Round Hand Rail Top Rail - 50MM DIAM**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- 50mm
- 6 metre

RDHR50EC M/S Round Hand Rail End Cap**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- 50mm

RDHR50WB M/S Round Hand Rail Wall Bracket - Bottom Fix**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- 50mm

RDHR50SJ M/S Round Hand Rail Straight Joiner**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- 50mm

RDHR50CJ M/S Round Hand Rail Corner Joiner**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- 50mm

RDHR50CJ1 M/S Round Hand Rail Corner Joiner**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- 50mm

RDHR50CJ2 M/S Round Hand Rail Corner Joiner**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- 50mm

RDHR50DB M/S Round Hand Rail 180 Degree Bend**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- 50mm

RD M/S Round Hand Rail End Elbow**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- 50mm

RDADJM/S Round Hand Rail Adjustable Corner Joiner**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- 50mm

RDADJ-1 M/S Round Hand Rail Adjustable Corner Joiner**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- 50mm

RDADH-2 M/S Round Hand Rail Adjustable Corner Joiner**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- 50mm

RDADJ-3 M/S Round Hand Rail Adjustable Joiner**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- 50mm

RDHR50A M/S Round Hand Rail Adaptor**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- 50mm

RDHR50A1 M/S Round Hand Rail Adaptor**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- 50mm

RDHR50CB M/S Round Hand Rail Cover and Base**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- 50mm

SQ50x10 M/S Square Hand Rail Top Rail - 50 X 10MM**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- 50mm x 10mm
- 6 metre

SQ50x10EC M/S Square Hand Rail End Cap**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- 50mm x 10mm

SQ50x10WB M/S Square Hand Rail Wall Bracket - Bottom Fix**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- 50mm x 10mm

SQ50x10-180 M/S Square Hand Rail Straight Joiner**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- 50mm x 10mm

SQ50x10GB M/S Hand Rail Bracket**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- 50mm x 10mm

SQ50x10-90 M/S Square Hand Rail Corner Joiner**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- 50mm x 10mm

SQ50x10UP/DOWN M/S Square Adjustable Vertical Joiner**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

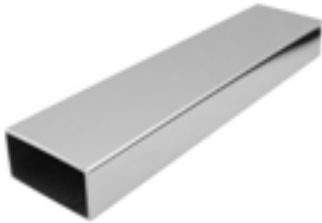
- 50mm x 10mm

SQ50x10S/S M/S Square Adjustable Horizontal Joiner**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- 50mm x 10mm

SQ50x25 M/S Square Hand Rail Top Rail 50 X 25MM**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- 50mm x 25mm

SQ50x25EC M/S Square Hand Rail End Cap**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- 50mm x 25mm

SQ50x25WB M/S Square Hand Rail Wall Bracket - Bottom Fix**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- 50mm x 25mm

SQ50x25-180 M/S Square Hand Rail Straight Joiner**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- 50mm x 25mm

SQ50x25-90 M/S Square Hand Rail Corner Joiner**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- 50mm x 25mm

SQ50x25UP/DOWN M/S Square Adjustable Vertical Joiner**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

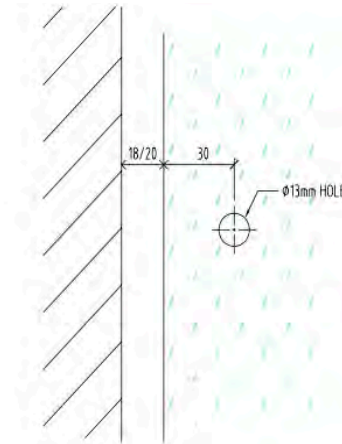
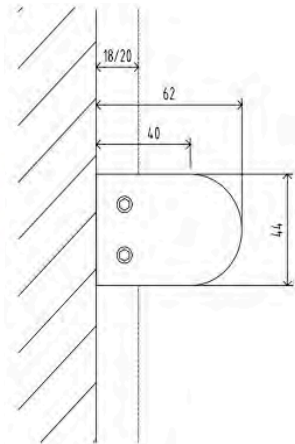
- 50mm x 25mm

SQ50x25S/S M/S Square Adjustable Horizontal Joiner**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

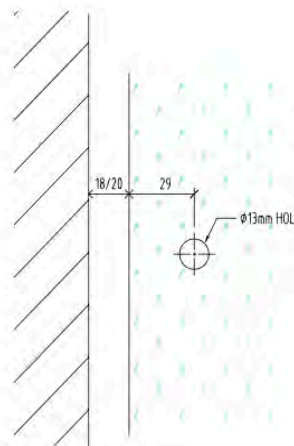
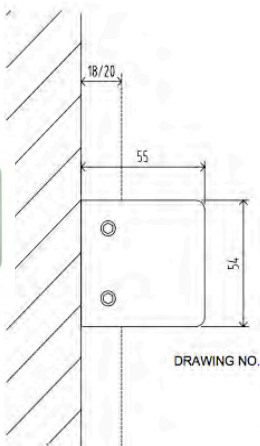
- 50mm x 25mm

BCD 316 Stainless Steel**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- For 8mm, 10mm & 12mm Glass
- Duplex 2205

BCSQ 316 Stainless Steel**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

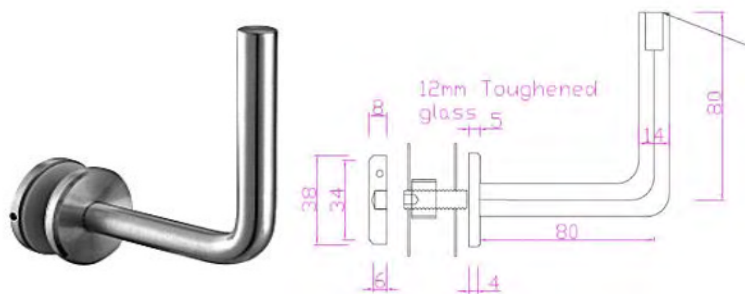
- For 8mm, 10mm & 12mm Glass
- Duplex 2205

SADDLE-FLAT/CURVED 316 Stainless Steel**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

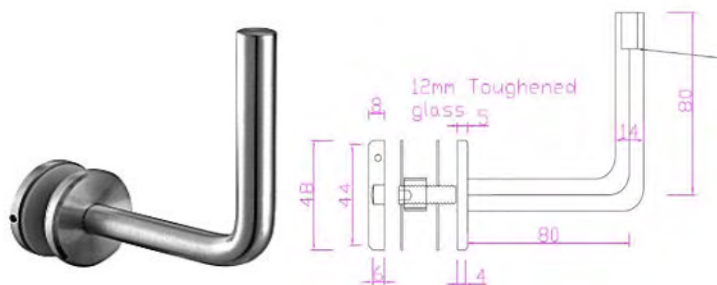
- For 8mm, 10mm & 12mm Glass
- Duplex 2205

BCG38 Handrail Bracket**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- 38mm Diameter x 80mm x 80mm Glass Fixing
- 38mm Diameter x 80mm x 40mm Glass Fixing

BCG50 Handrail Bracket**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- 50mm Diameter x 80mm x 80mm Glass Fixing
- 50mm Diameter x 80mm x 40mm Glass Fixing

BCADJ Handrail Bracket**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- 50mm Diameter x 60mm x 60mm Glass Fixing
- Adjustable up/dowb

BC W 50 Handrail Bracket**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- 50mm Diameter x 60mm x 60mm Glass Fixing

STANDOFFS



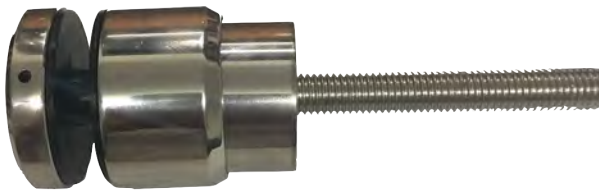
AVAILABLE FINISHES

- Mirror
- Satin

TECHNICAL DETAILS

- 50mm Diameter
- Adjustable 30-45mm range

STANDOFFS



AVAILABLE FINISHES

- Mirror
- Satin

TECHNICAL DETAILS

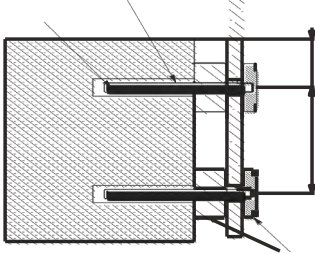
- 50mm Diameter
- Adjustable 30-45mm range

Spacers

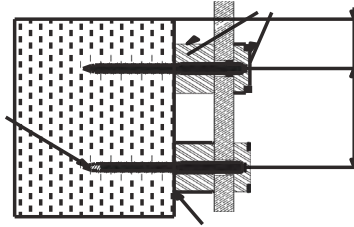
	DIAMETER				
	19	25	32	38	50
5mm	N/A	N/A	N/A	5mm	5mm
10mm	10mm	10mm	10mm	10mm	10mm
20mm	20mm	20mm	20mm	20mm	20mm
30mm	30mm	30mm	30mm	30mm	30mm
40mm	40mm	40mm	40mm	40mm	40mm
50mm	50mm	50mm	50mm	50mm	50mm

	SUPPLIED WITH THREAD ROADS				
	M6	M8	M10	M12	M12
30	–	–	30	–	–
60	60	60	60	60	60
90	90	90	90	90	90
120	120	120	120	120	120
150	150	150	150	150	150

CHEMSET FIXING



LAG SCREW FIXING



TLS60/TLS90/TLS120 Timber Lag Screw



AVAILABLE FINISHES

- SSS

TECHNICAL DETAILS

- 304 SSS
- TLS60 – M12 x 50
- TLS90 – M12 x 80
- TLS120 – M12 x 120

BHA Blind Hole Anchor



AVAILABLE FINISHES

- SSS

TECHNICAL DETAILS

- BHA

T1-15 Timber Inserts



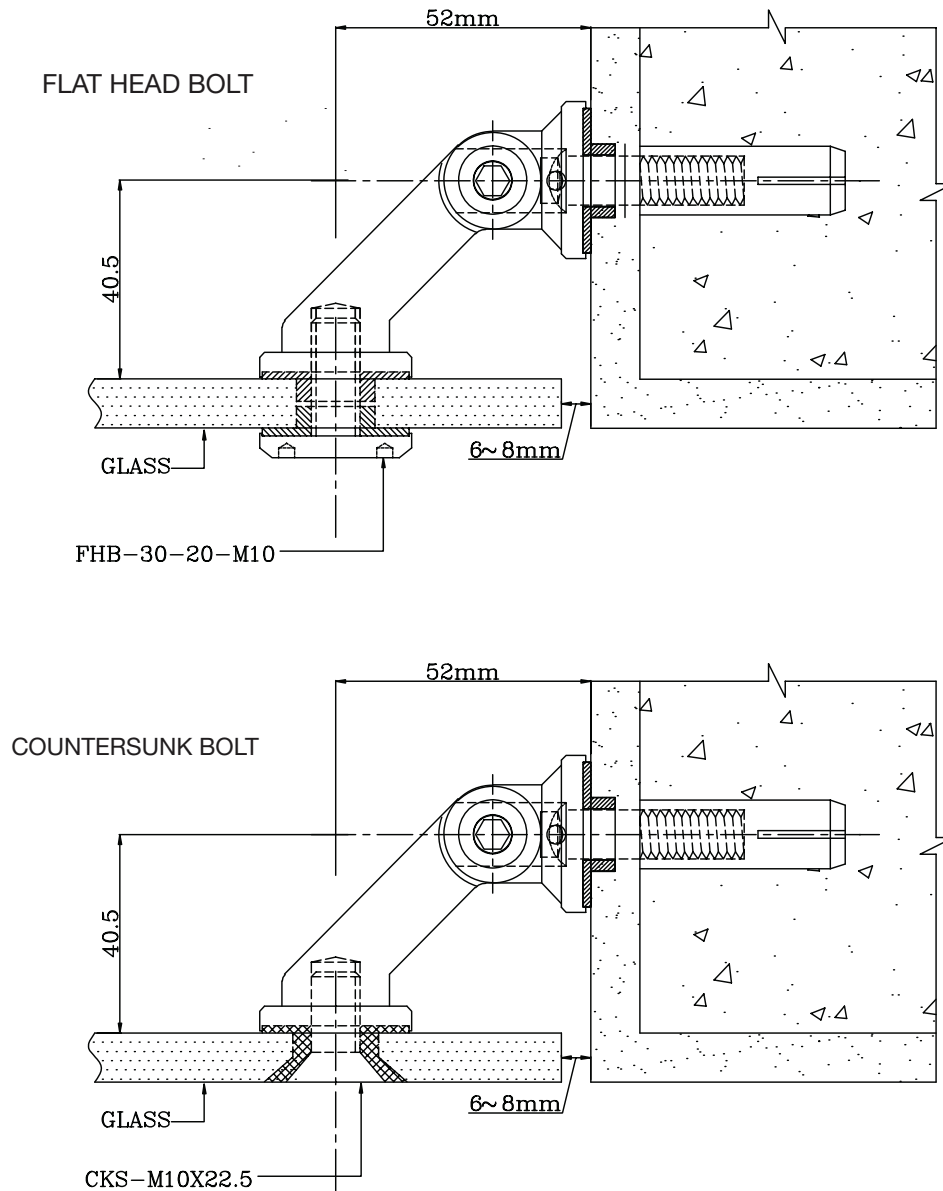
AVAILABLE FINISHES

- Satin

TECHNICAL DETAILS

- Drill a 15mm Hole Screw into timber

GHASPC Adjustable Single Point Connector



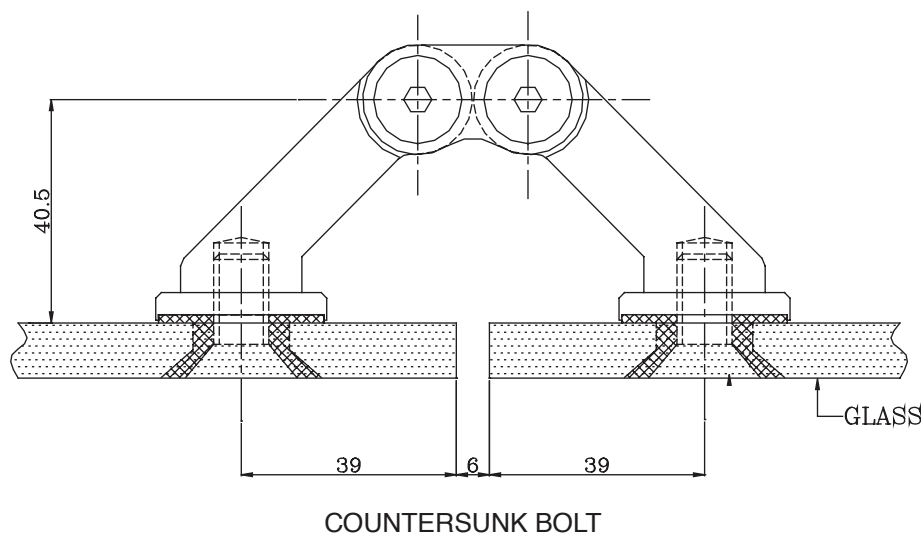
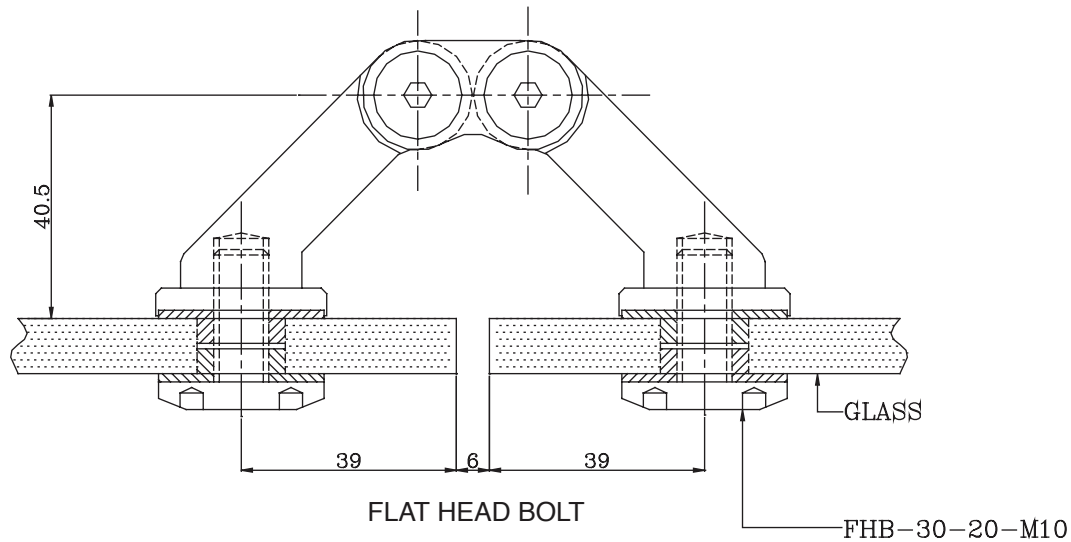
AVAILABLE FINISHES

- Satin

TECHNICAL DETAILS

- 316 SS

GHADPC Adjustable Double Point Connector



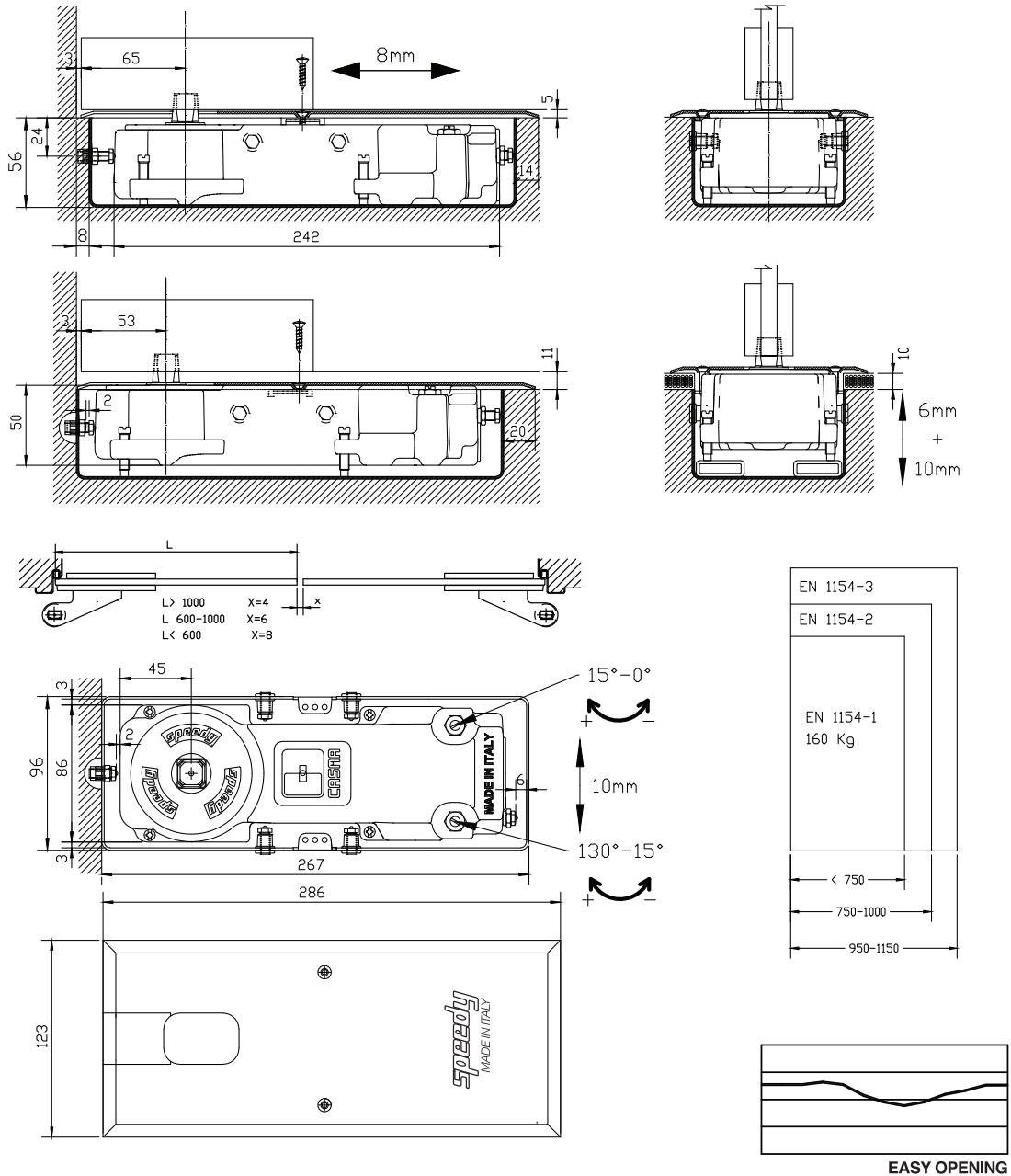
AVAILABLE FINISHES

- Satin

TECHNICAL DETAILS

- 316 SS

M60 Speedy Floor Spring

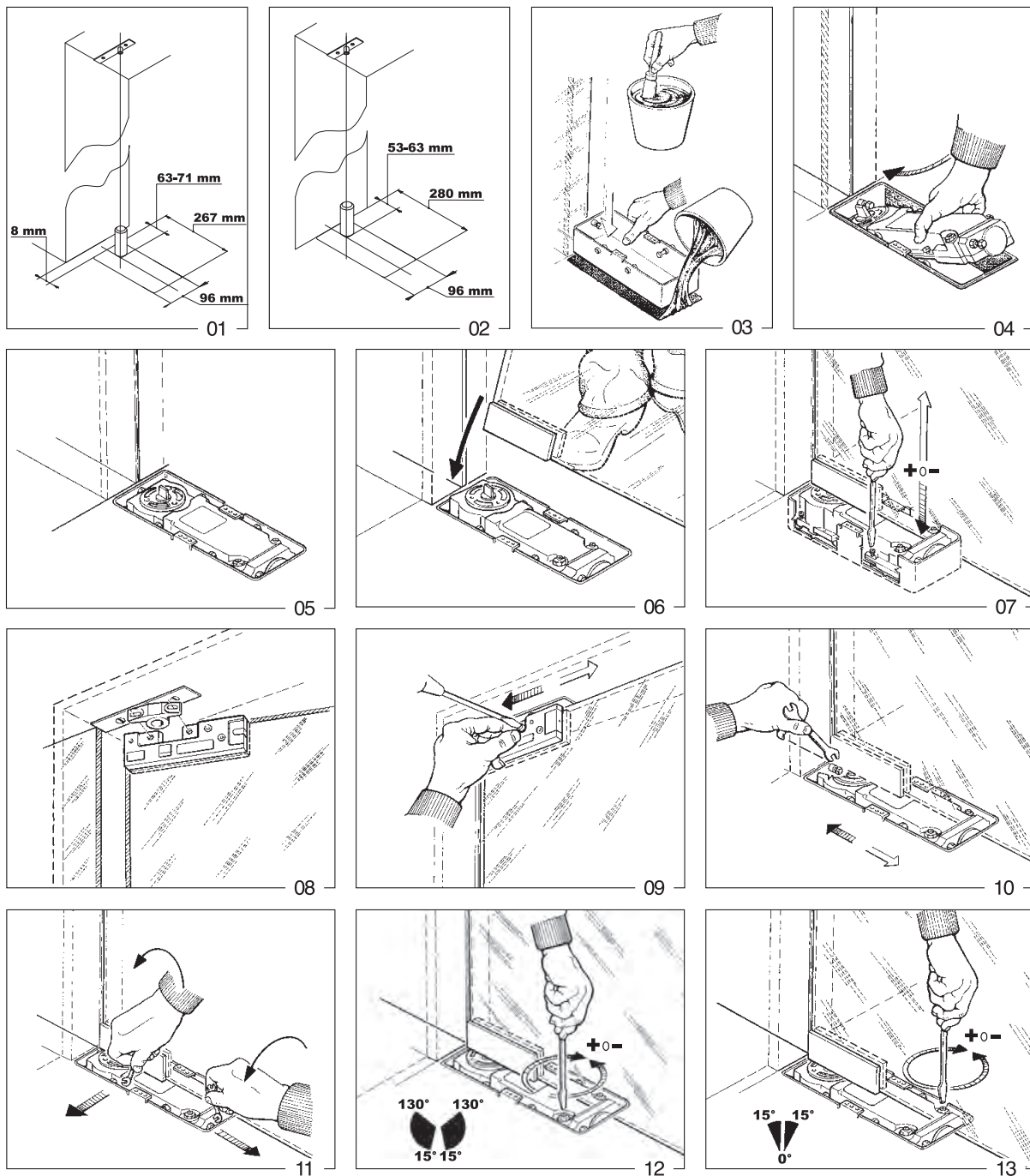


AVAILABLE FINISHES

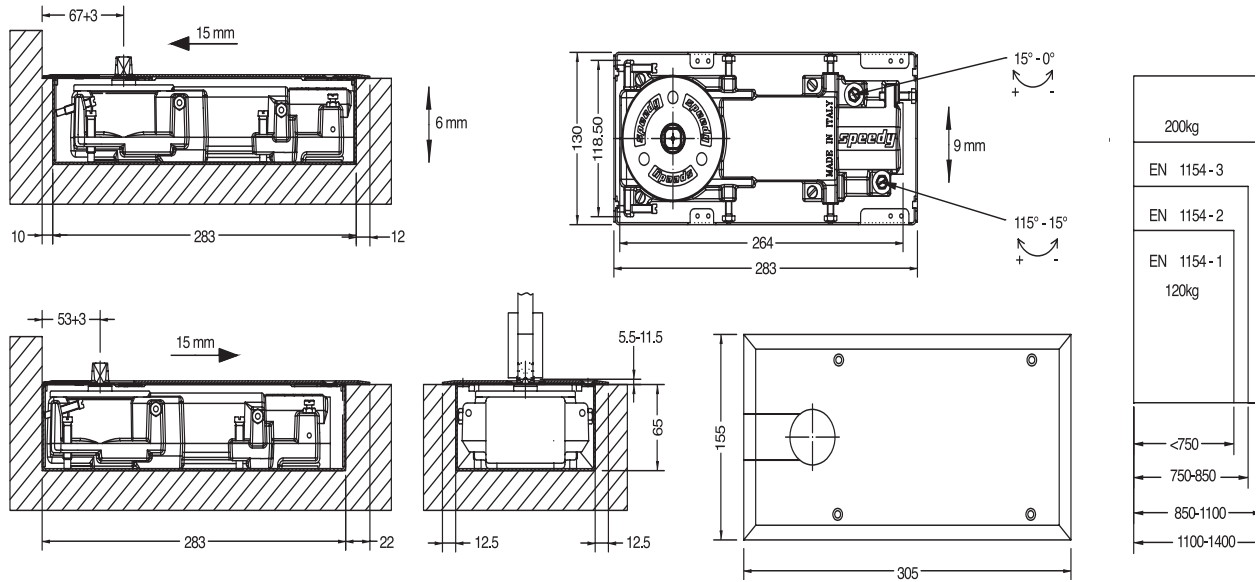
- Mirror
- Satin

M60 Speedy Floor Spring

INSTALLATION INSTRUCTIONS



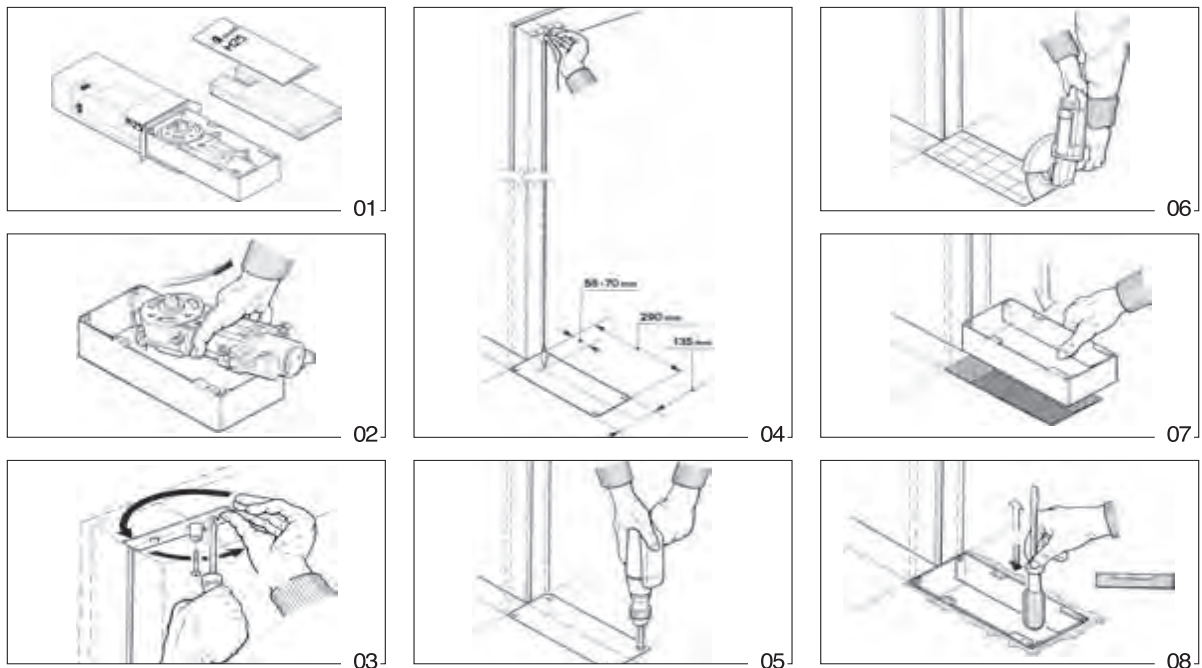
M25 Speedy Floor Spring



AVAILABLE FINISHES

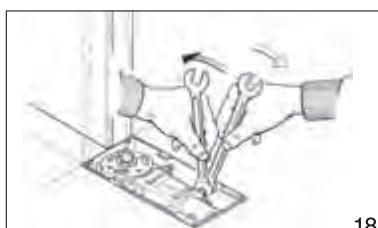
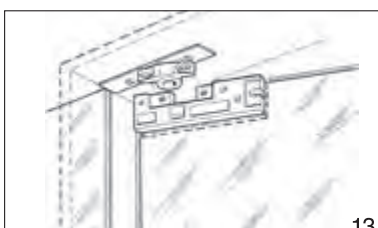
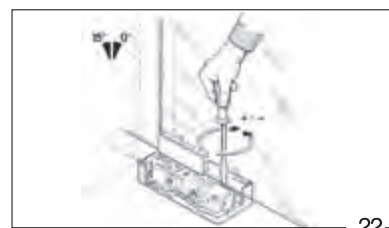
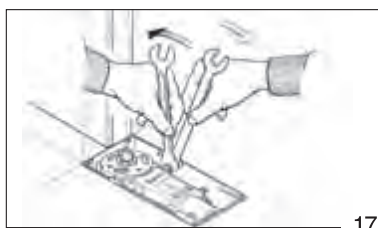
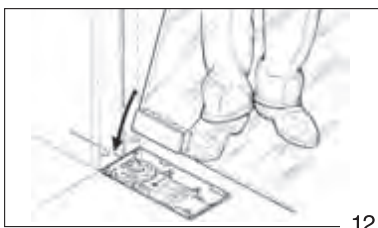
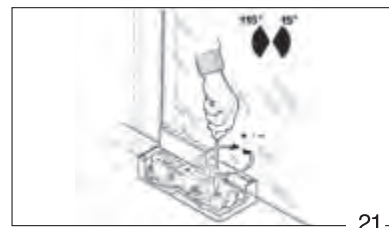
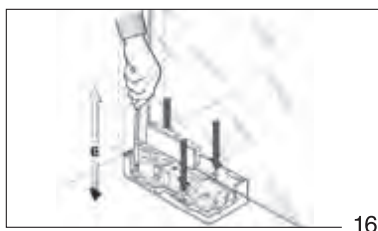
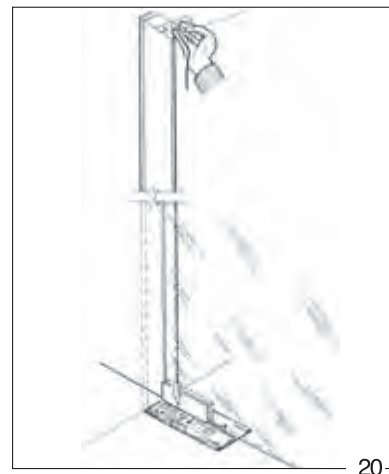
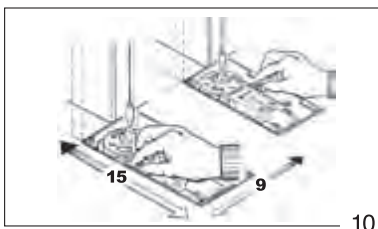
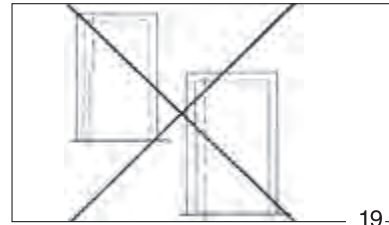
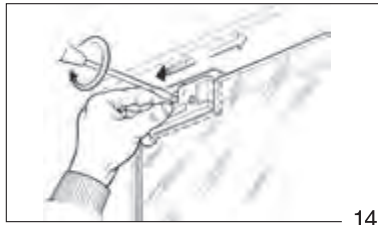
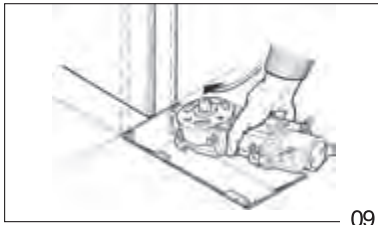
- Mirror
- Satin

INSTALLATION INSTRUCTIONS

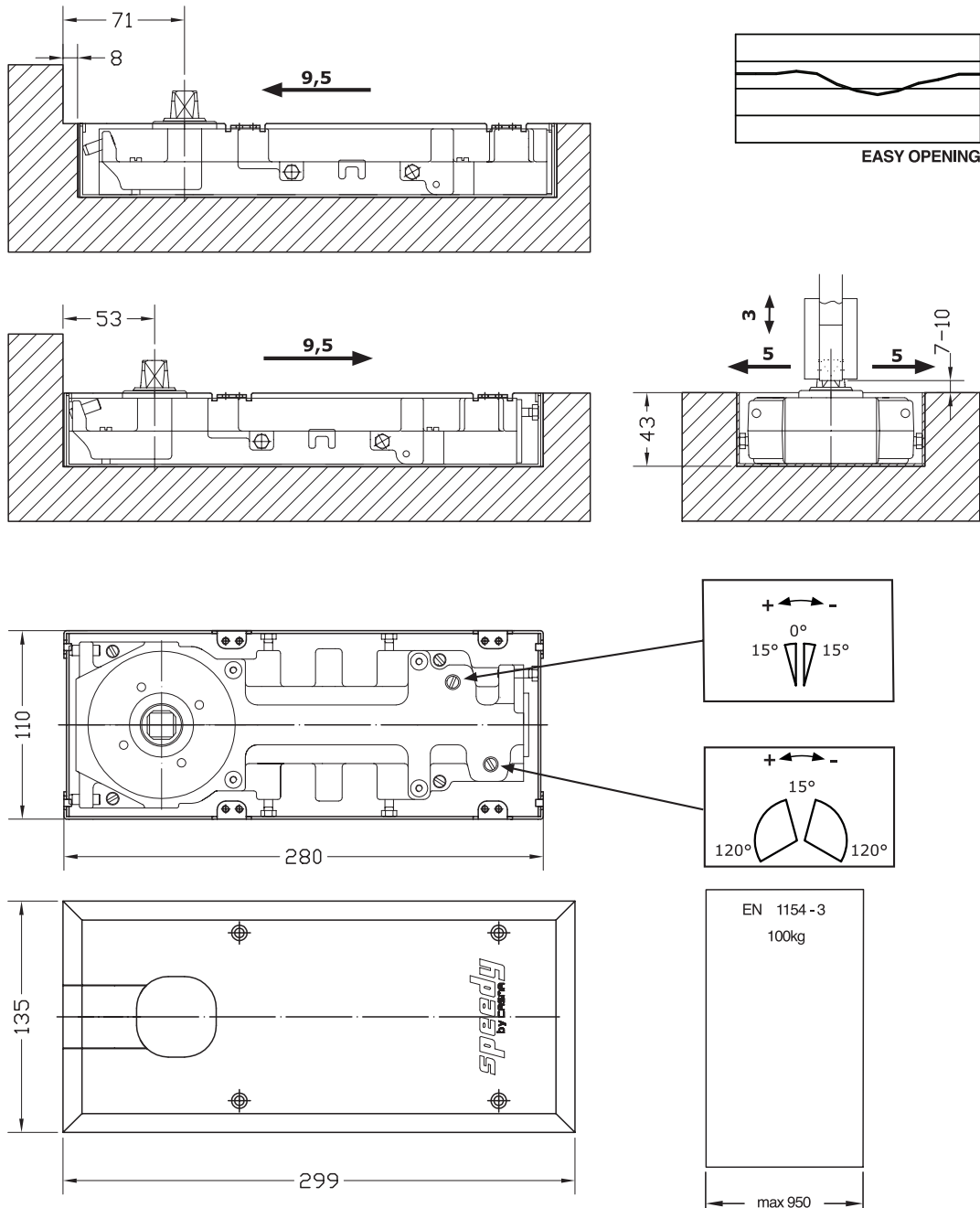


M25

INSTALLATION INSTRUCTIONS (CONT'D)



M68 Speedy Floor Spring

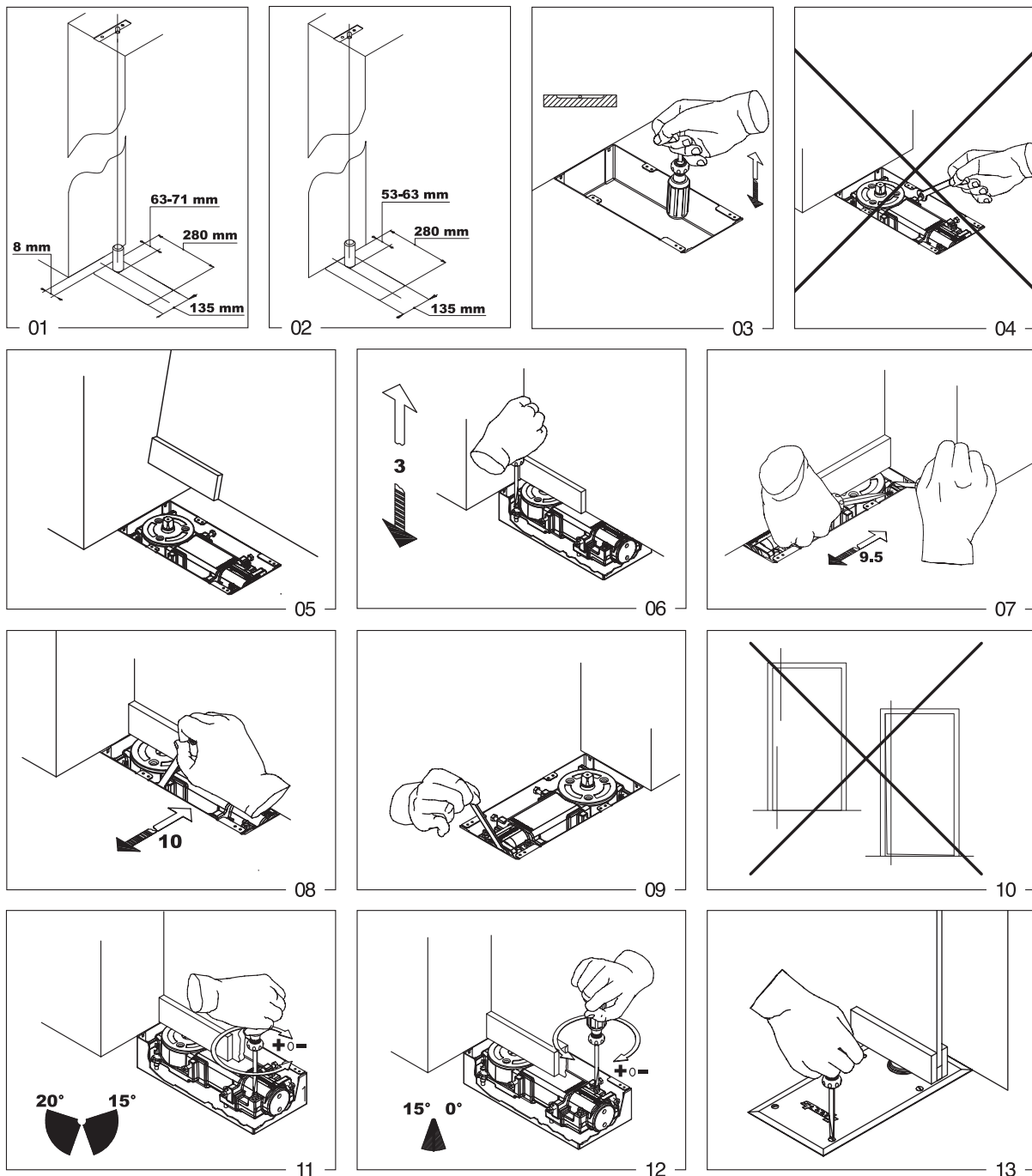


AVAILABLE FINISHES

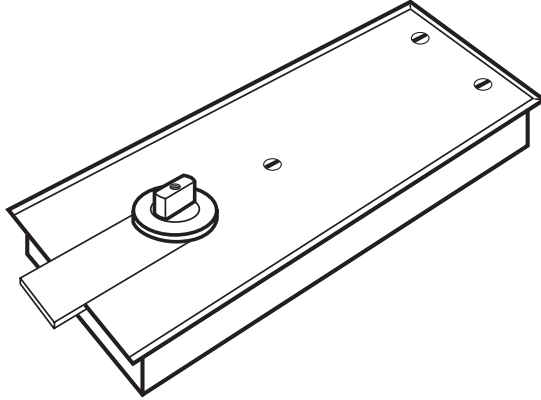
- Mirror
- Satin

M68

INSTALLATION INSTRUCTIONS



BTS84 Standard Floor Spring

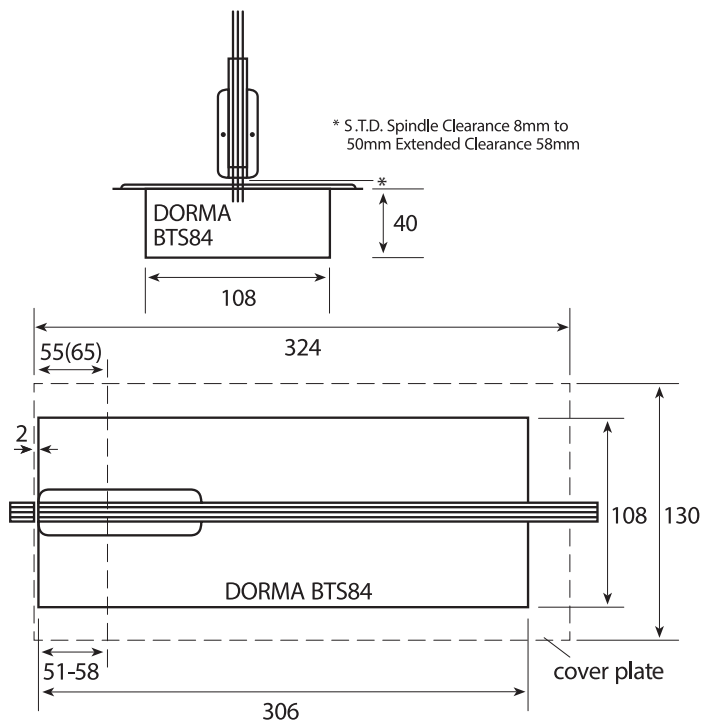


TECHNICAL DETAILS

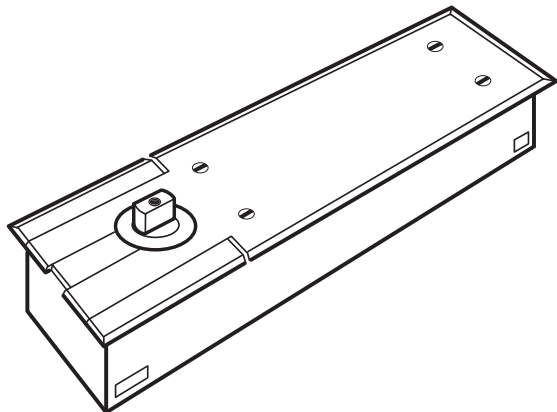
- Low profile 40mm depth
- Double action
- 90° hold open
- Stainless steel coverplate
- Maximum door weight: 100kg
- Maximum door width: 1100mm
- Maximum opening angle: 130°
- Variable closing force from 25 Nm

OPTIONS

- Brass coverplate
- Non hold open
- 5, 10, 15 mm extended spindles
- 15Nm weak spring force



BTS80 Heavy Duty Spring

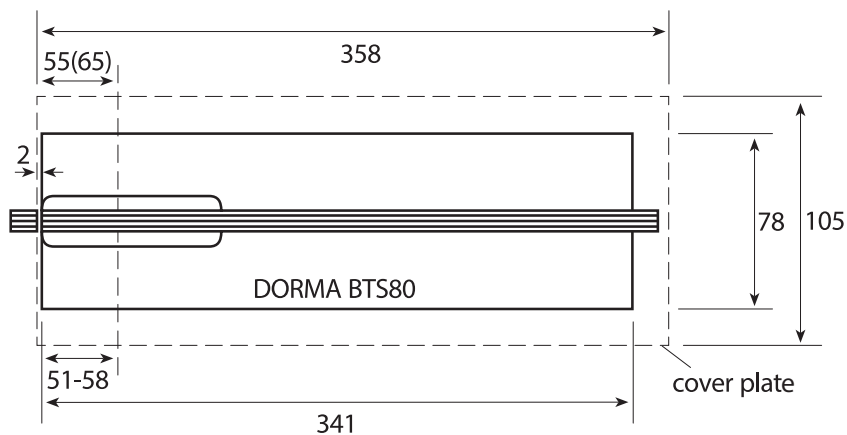
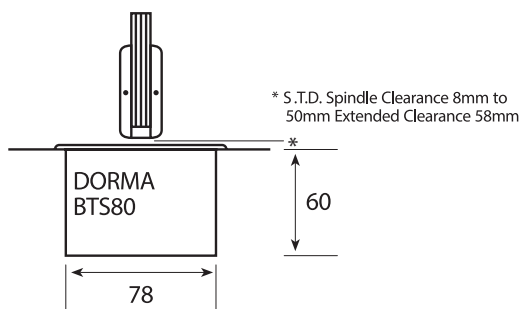


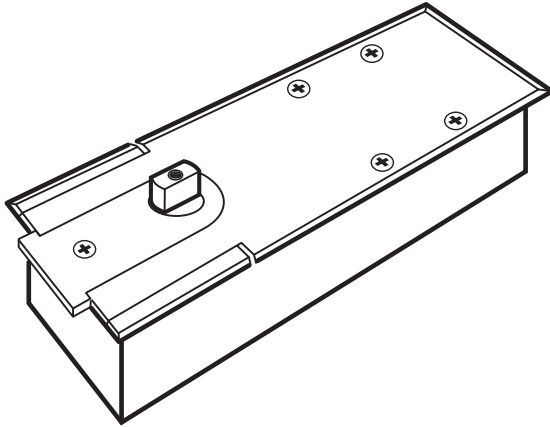
TECHNICAL DETAILS

- Double action
- Selective multi-point hold open adjustable between approximately 75° and 175°
- Mechanical backcheck at approximately 85° and 165°
- Stainless steel coverplate
- Maximum door weight: 300kg
- Maximum door width: 1400mm
- Maximum opening angle: 180°
- Variable closing force 53 Nm

OPTIONS

- Brass coverplate
- 5, 10, 15 mm extended spindles
- 35Nm spring force

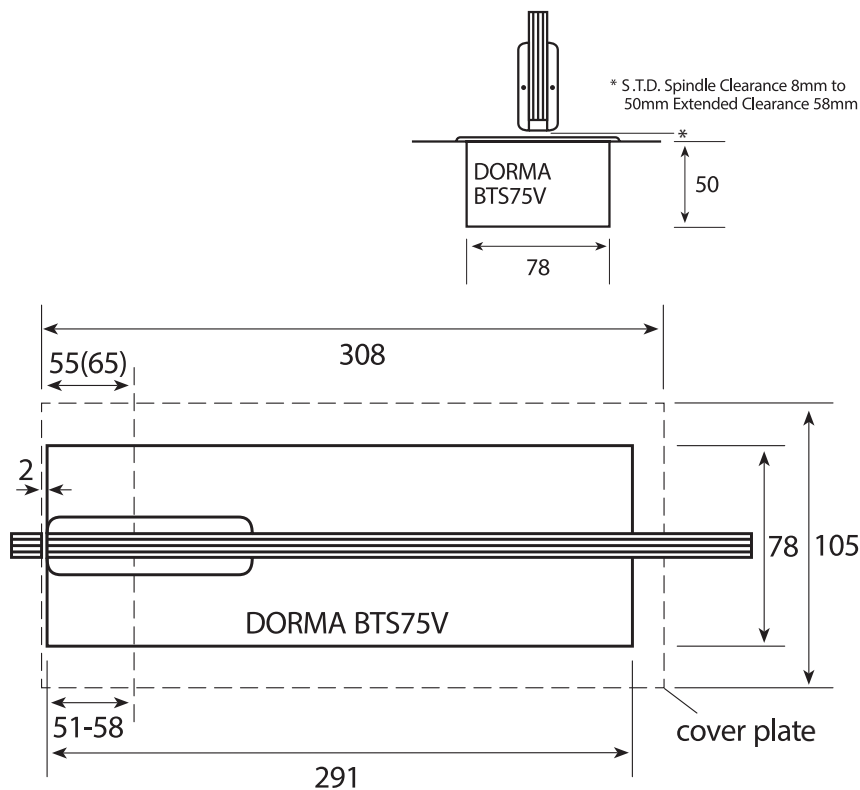


BTS75V Medium Duty Floor Spring**TECHNICAL DETAILS**

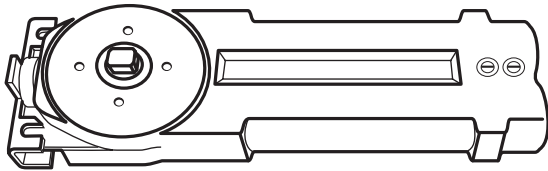
- Double action
- 90° hold open
- Stainless steel coverplate
- Maximum door weight: 120kg
- Maximum door width: 1100mm
- Maximum opening angle: 175°
- Variable closing force from 10 - 30 Nm

OPTIONS

- Brass coverplate
- Non hold open
- 5, 10, 15 mm extended spindles



RTS85 Overhead Door Closer

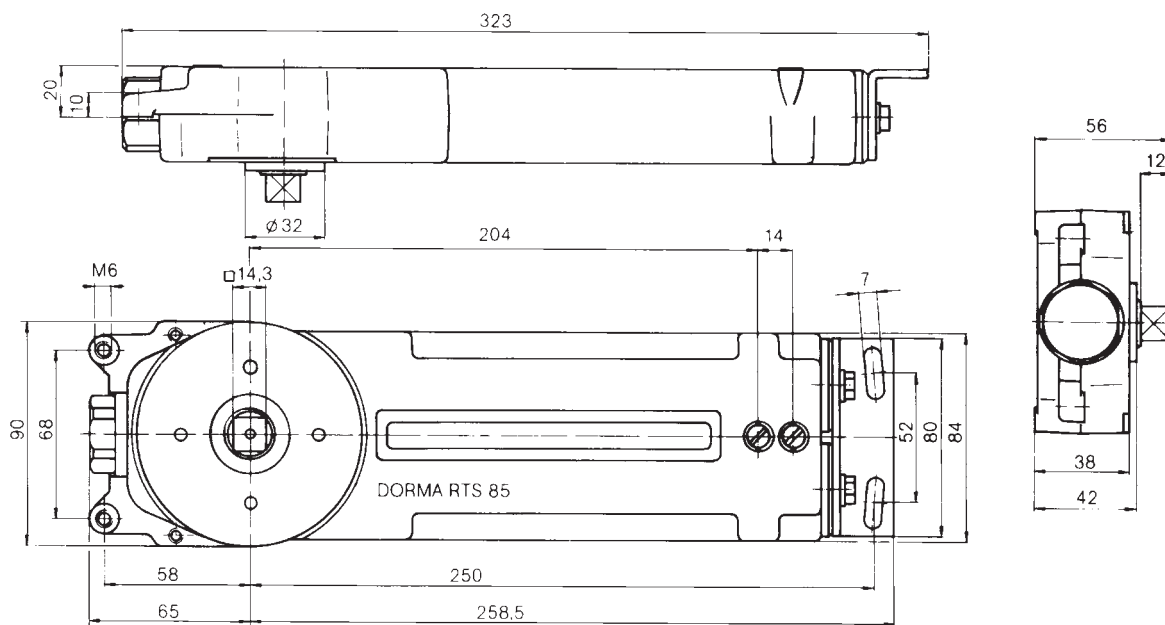


TECHNICAL DETAILS

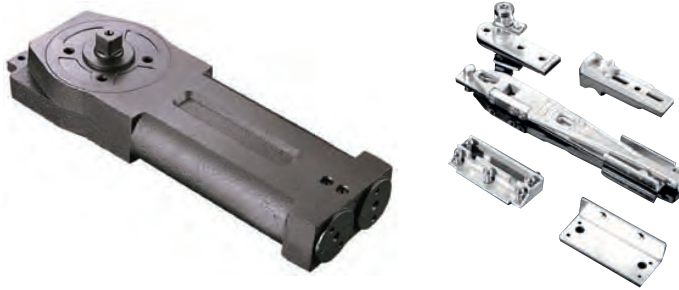
- Double action
- 90° hold open
- Aluminium / wood fix silver pearl coverplate
- Maximum door width: 1000mm

OPTIONS

- Non hold open



DCL701 / DCL704 Transom Door Closer



AVAILABLE FINISHES

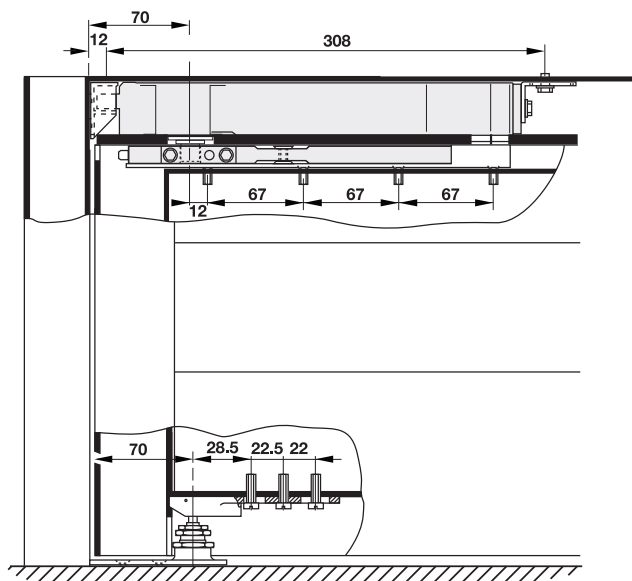
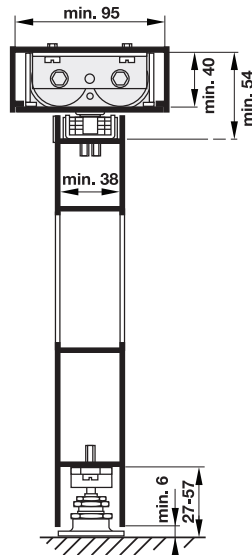
- Polished stainless steel
- Satin stainless steel

TECHNICAL DETAILS

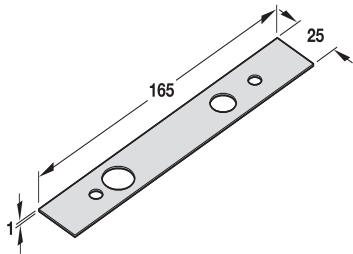
- Adjustable closing and latching speed
- Laterally adjustable
- Maximum door opening angle approx. 130°
- Closing force: size 2/3/4 complying with EN 1154

APPLICATION

- For single or double action aluminium framed doors



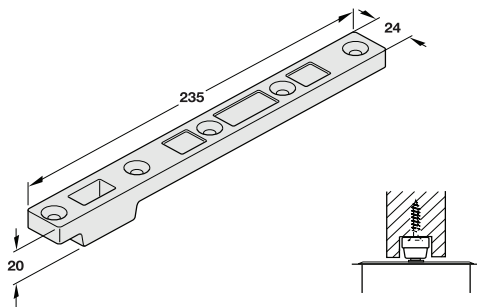
Floor Spring Accessories – Cover Plate - Top Pivot



AVAILABLE FINISHES

- Satin
- Mirror

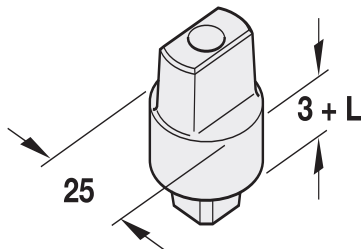
Floor Spring Accessories – Door Strap



AVAILABLE FINISHES

- Galvanised

Floor Spring Accessories – Extended Spindle FOR BTS 75 V / 80 / 84



AVAILABLE FINISHES

- Galvanised

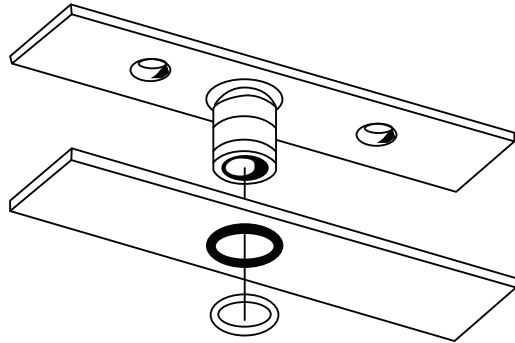
TECHNICAL DETAILS

- Flat conical
- Optional for left or right hand applications
- With 3° offset
- Available sizes: 5mm - up to 50mm

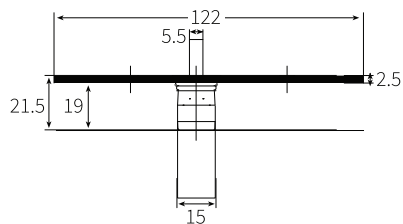
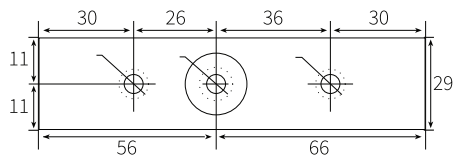
APPLICATION

- To increase the floor clearance (i.e. for doors with thresholds or floors fitted with carpets)

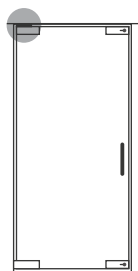
10180-01 Pivot with Plate Mounting



GLASS CUTOUT DETAIL



INSITU APPLICATION



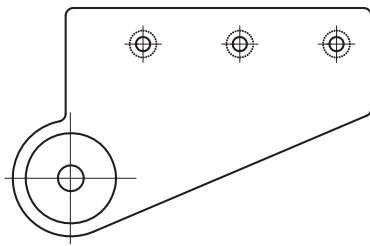
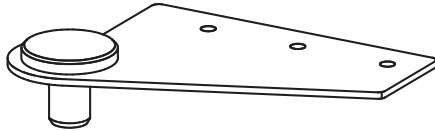
AVAILABLE FINISHES

- Polished stainless steel
- Satin stainless steel

TECHNICAL DETAILS

- Maximum door weight 100kg
- Maximum door width 1,100mm

10481 / 10482 Right and Left Hand Pivot



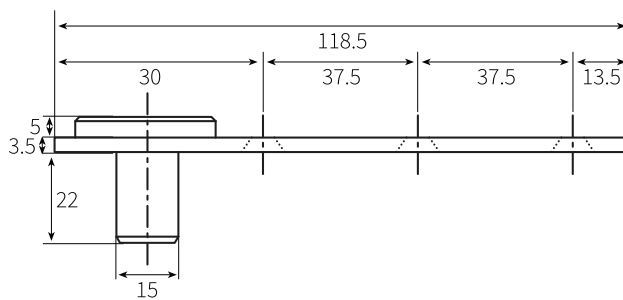
AVAILABLE FINISHES

- Natural anodised
- Polished stainless steel
- Satin stainless steel
- Polished brass

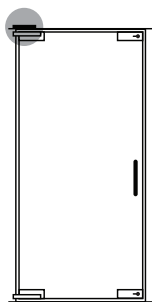
TECHNICAL DETAILS

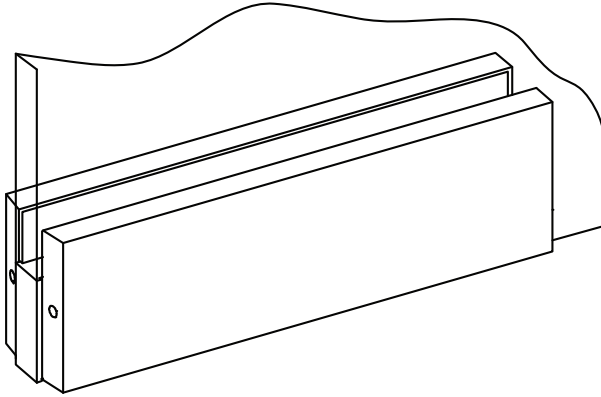
- Maximum door weight 100kg
- Maximum door width 1,100mm

DETAIL



INSITU APPLICATION



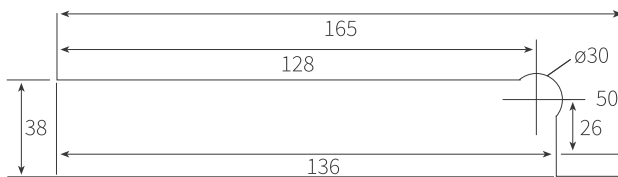
41020 Patch Fitting - 19mm Glass**AVAILABLE FINISHES**

- Satin silver anodised
- Polished stainless steel
- Satin stainless steel
- Polished brass

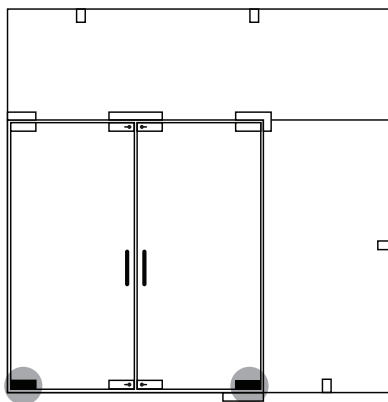
TECHNICAL DETAILS

- Bottom patch fitting
- Maximum door weight 100kg
- Maximum glass hold 300kg
- Pivot set at 55mm or 65mm
- 19mm glass thickness

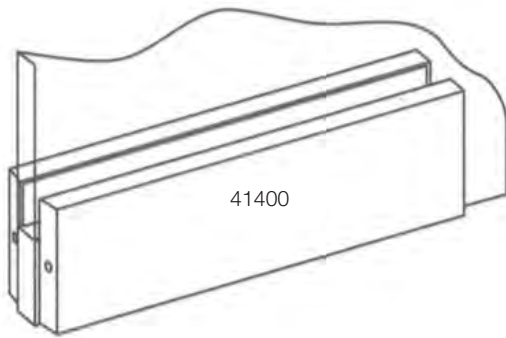
DETAIL



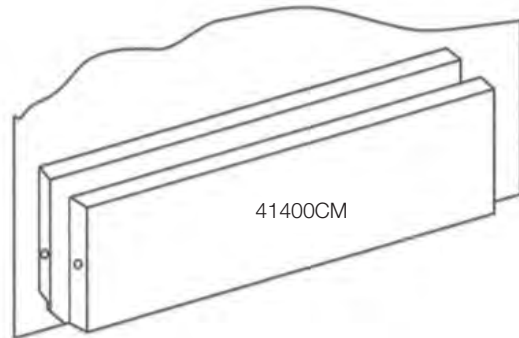
INSITU APPLICATION



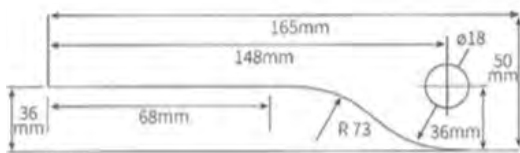
41400 / 41400CM Pivot Patch Fitting / Centre Mount



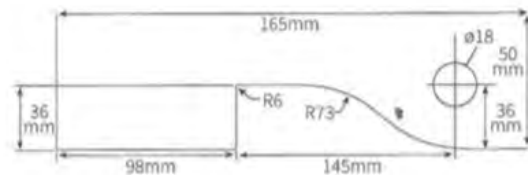
DETAIL - 41400



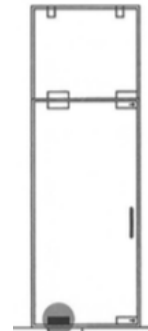
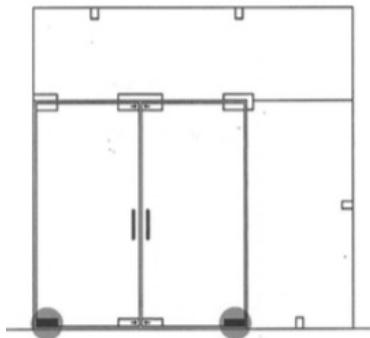
DETAIL - 41400CM



INSITU APPLICATION



INSITU APPLICATION

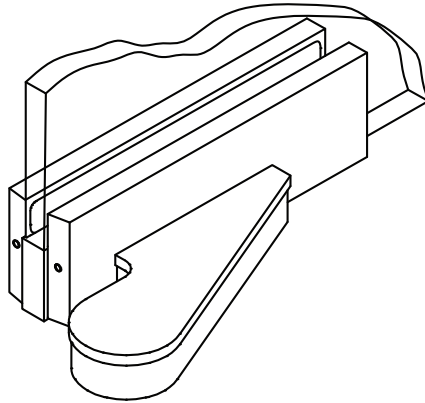


AVAILABLE FINISHES

- Satin stainless steel

TECHNICAL DETAILS

- To be used in flooring or structure with pin locks
- Elongated hole for adjustment with lock on site
- Suitable for eurostyle pin locks in floor

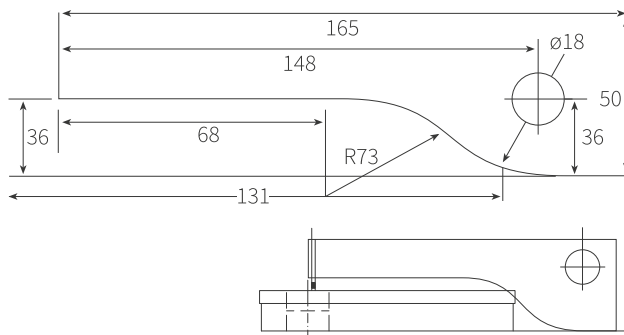
41881 Offset Patch - Bottom Left Hand Side**AVAILABLE FINISHES**

- Satin silver anodised
- Polished stainless steel
- Satin stainless steel
- Polished brass

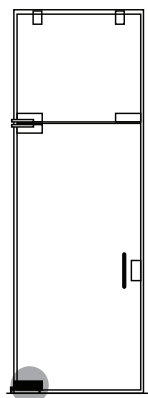
TECHNICAL DETAILS

- Maximum door weight 100kg
- Maximum glass hold 150kg
- 12mm glass thickness
- 10mm or 15mm glass thickness can be adjusted to fit

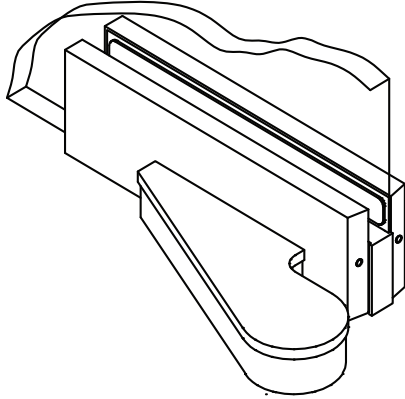
DETAIL



INSITU APPLICATION



41882 Offset Patch - Top Left Hand Side



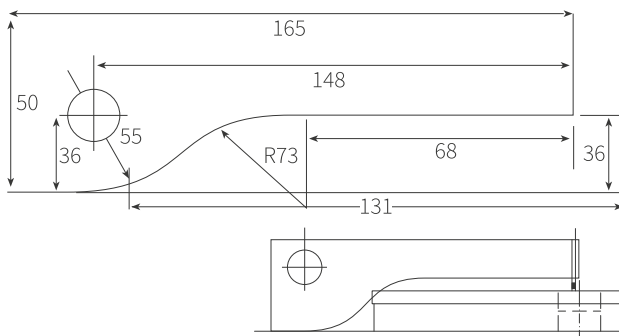
AVAILABLE FINISHES

- Satin silver anodised
- Polished stainless steel
- Satin stainless steel
- Polished brass

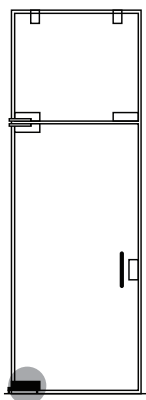
TECHNICAL DETAILS

- Maximum door weight 100kg
- Maximum glass hold 150kg
- 12mm glass thickness
- 10mm or 15mm glass thickness can be adjusted to fit

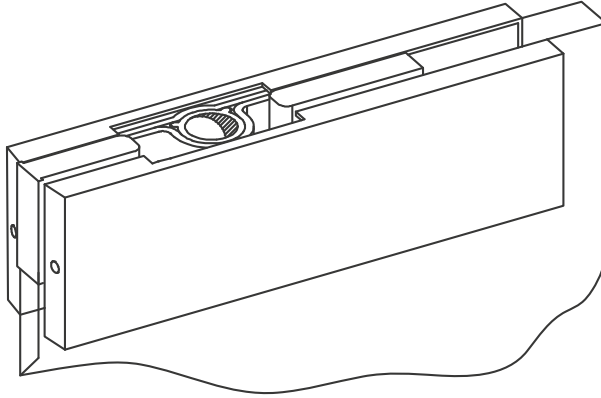
DETAIL



INSITU APPLICATION



42020 Top Pivot Patch Fitting



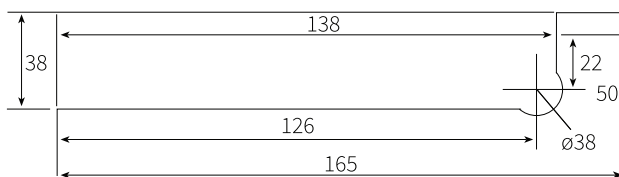
AVAILABLE FINISHES

- Satin silver anodised
- Polished stainless steel
- Satin stainless steel
- Polished brass

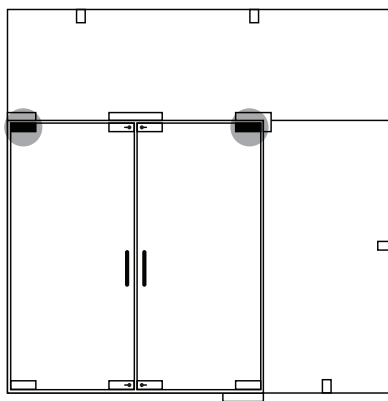
TECHNICAL DETAILS

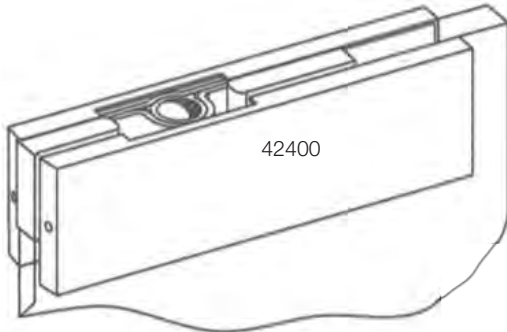
- Top patch fitting
- Maximum door weight 100kg
- Maximum glass hold 300kg
- Pivot set at 55mm or 65mm
- Adjustable +/- 3mm
- 19mm glass thickness

DETAIL

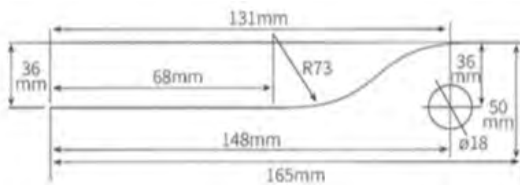


INSITU APPLICATION

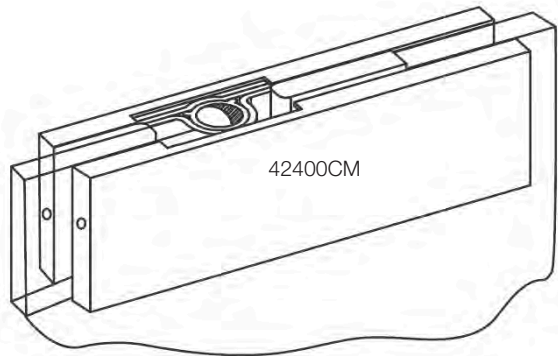
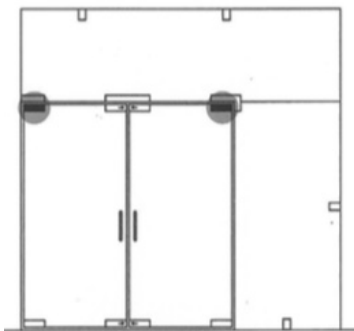


42400 / 42400CM Top Pivot Patch Fitting / Centre Mount

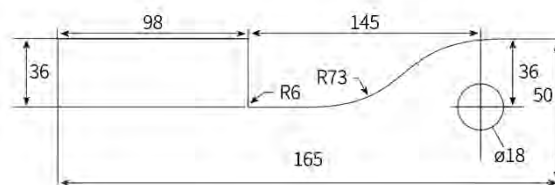
DETAIL - 42400



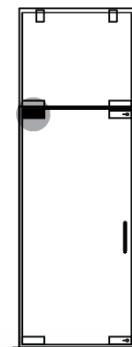
INSITU APPLICATION



DETAIL - 42400CM



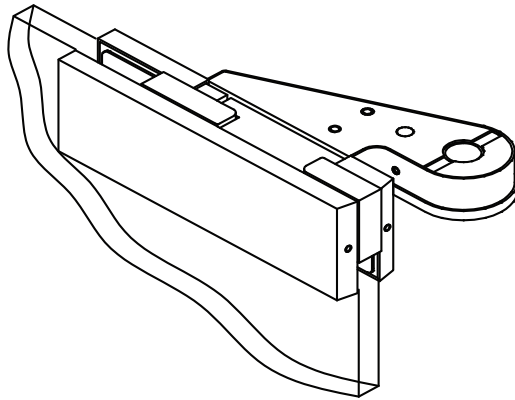
INSITU APPLICATION

**AVAILABLE FINISHES**

- Satin silver anodised
- Polished stainless steel
- Satin stainless steel
- Polished brass

TECHNICAL DETAILS

- Maximum door weight 100kg
- Maximum glass hold 300kg
- Pivot set at 55mm or 65mm
- Adjustable +/- 3mm
- 12mm glass thickness
- 10mm or 15mm glass thickness can be adjusted to fit

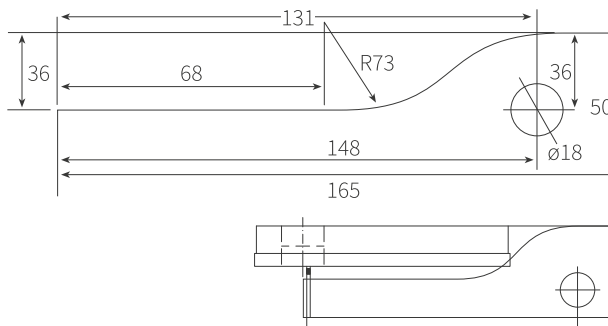
42881 Offset Patch Top Left Hand Side**AVAILABLE FINISHES**

- Satin silver anodised
- Polished stainless steel
- Satin stainless steel
- Polished brass

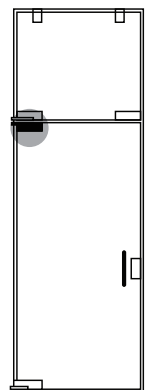
TECHNICAL DETAILS

- Maximum door weight 100kg
- Maximum glass hold 150kg
- 12mm glass thickness
- 10mm or 15mm glass thickness can be adjusted to fit

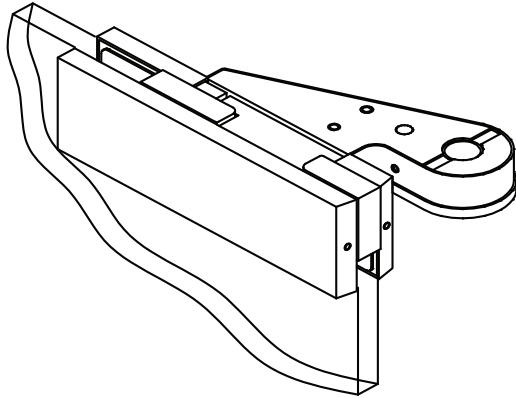
DETAIL



INSITU APPLICATION



42882 Offset Patch Top Right Hand Side



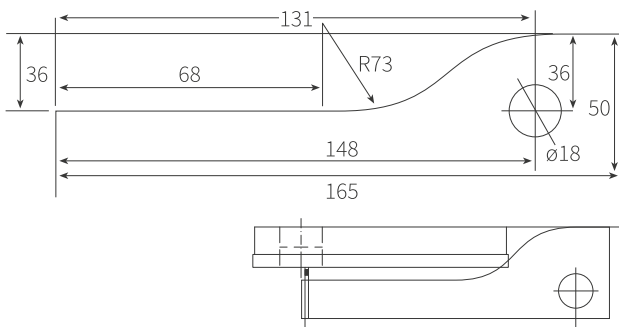
AVAILABLE FINISHES

- Satin silver anodised
- Polished stainless steel
- Satin stainless steel
- Polished brass

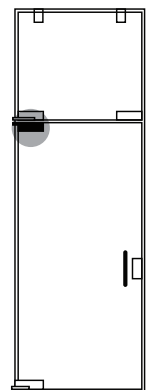
TECHNICAL DETAILS

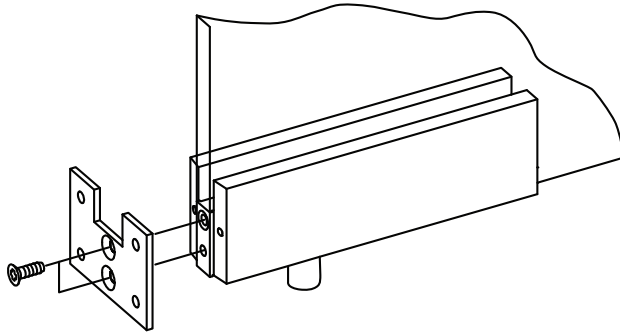
- Maximum door weight 100kg
- Maximum glass hold 150kg
- 12mm glass thickness
- 10mm or 15mm glass thickness can be adjusted to fit

DETAIL



INSITU APPLICATION



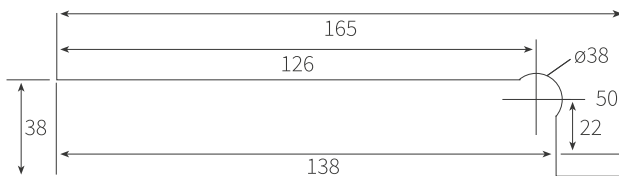
43020 Overpanel Transom Patch with Pivot - 19mm Glass**AVAILABLE FINISHES**

- Satin silver anodised
- Polished stainless steel
- Satin stainless steel
- Polished brass

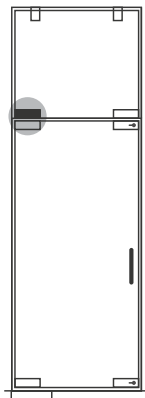
TECHNICAL DETAILS

- Overpanel transom patch with pivot
- Maximum door weight 125kg
- Maximum glass hold 200kg
- Pivot set at 55mm or 65mm
- Suitable for SBC42400
- 19mm glass thickness
- Side fixing to masonry, timber or aluminium jamb

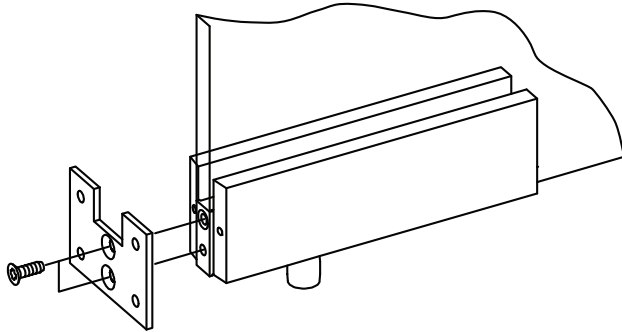
DETAIL



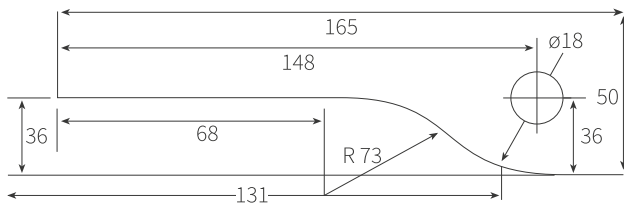
INSITU APPLICATION



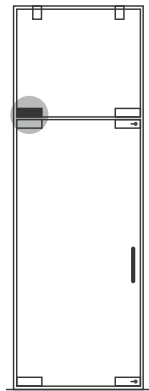
43400 Overpanel Transom Patch with Pivot



DETAIL



INSITU APPLICATION



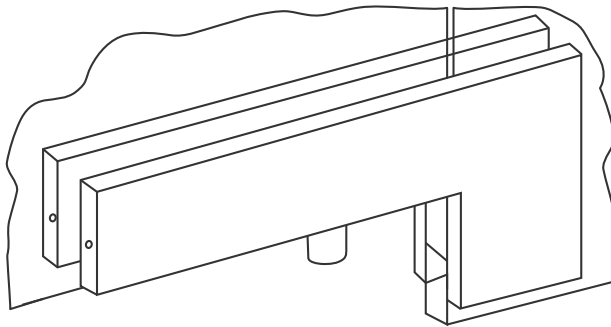
AVAILABLE FINISHES

- Satin silver anodised
- Polished stainless steel
- Satin stainless steel
- Polished brass

TECHNICAL DETAILS

- Overpanel transom patch with pivot
- Maximum door weight 100kg
- Maximum glass hold 300kg
- Pivot set at 55mm or 65mm
- Suitable for SBC42400
- 12mm glass thickness
- 10mm or 15mm glass thickness can be adjusted to fit
- Side fixing to masonry, timber or aluminium jamb

44020 / 44400 Overpanel to Side Panel Patch with Pivot



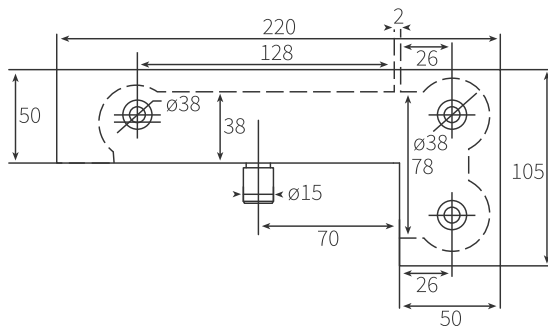
AVAILABLE FINISHES

- Satin silver anodised
- Polished stainless steel
- Satin stainless steel
- Polished brass

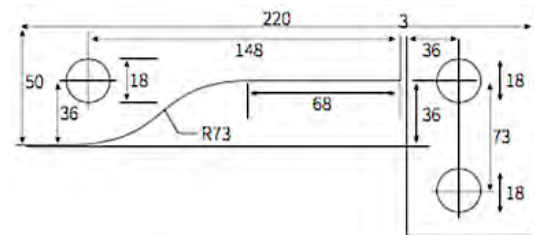
TECHNICAL DETAILS

- Maximum door weight 125kg
- Maximum glass hold 300kg
- Pivot can be set at 55mm or 65mm
- Suitable for SBC42400 (provides pivot point)
- 19mm glass thickness

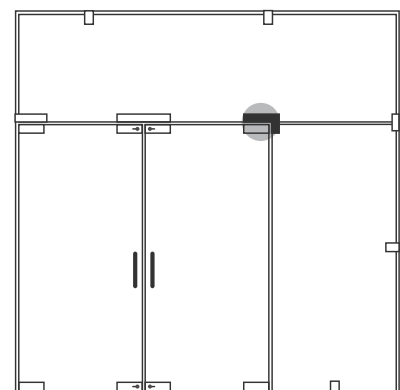
DETAIL / 44020



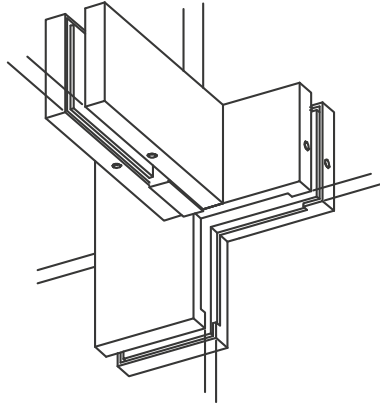
DETAIL / 44400



INSITU APPLICATION



44706 / 44707 Overpanel to Side Panel Patch Fitting with Fin



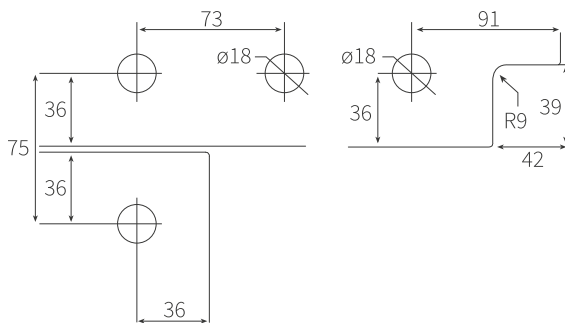
AVAILABLE FINISHES

- Satin silver anodised
- Polished stainless steel
- Satin stainless steel
- Polished brass

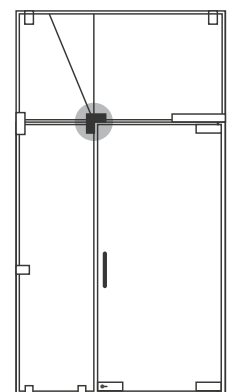
TECHNICAL DETAILS

- Overpanel to side panel patch with pivot and fin
- Maximum glass hold 200kg
- To connect two or four glass panels
- Optional door stop can be fitted
- 12mm glass thickness
- 10mm or 15mm glass thickness can be adjusted to fit
- 12mm or 15mm glass fin

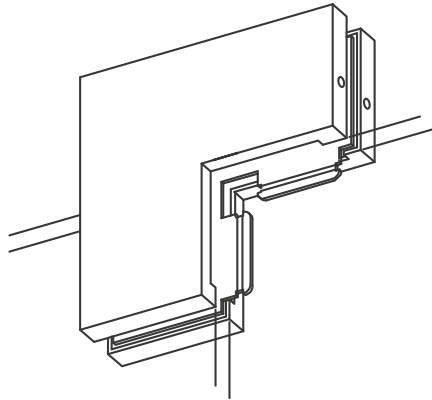
DETAIL



INSITU APPLICATION



44710 Overpanel to Side Panel Patch Fitting with Door Stop



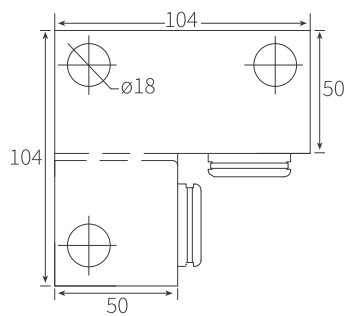
AVAILABLE FINISHES

- Satin silver anodised
- Polished stainless steel
- Satin stainless steel
- Polished brass

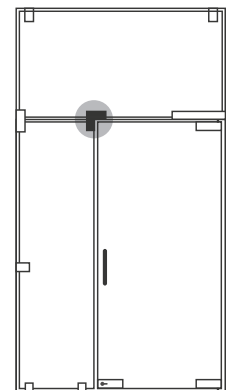
TECHNICAL DETAILS

- Maximum glass hold 200kg
- 12mm glass thickness
- 10mm or 15mm glass thickness can be adjusted to fit

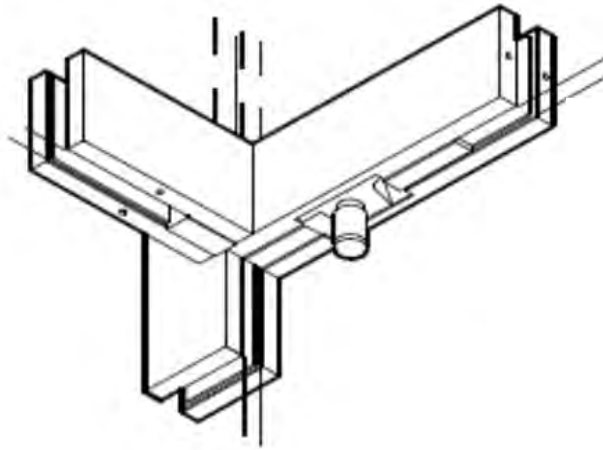
DETAIL



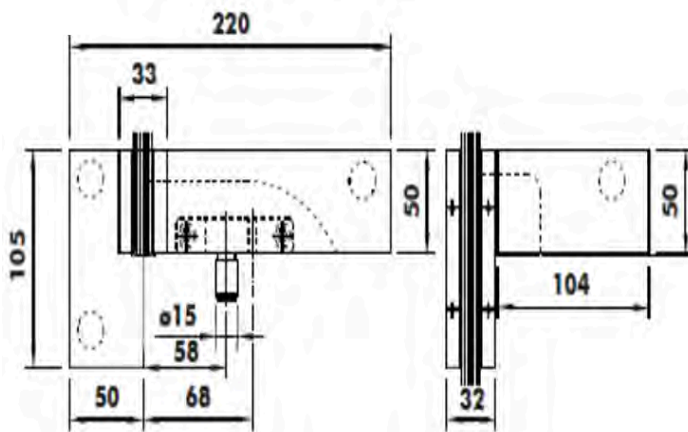
INSITU APPLICATION



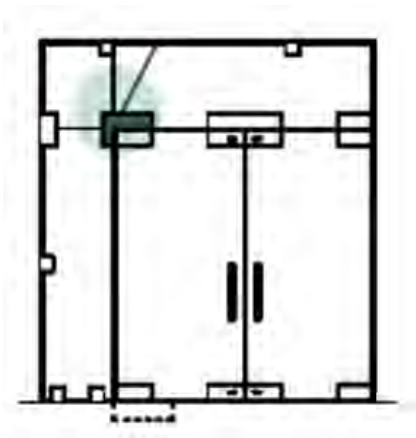
45051 / 45052 Transom/ Side Fin Patch (LH/RH)



DETAIL



INSITU APPLICATION



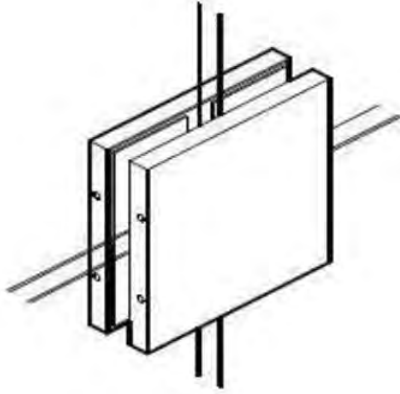
AVAILABLE FINISHES

- Satin silver anodised
- Polished stainless steel
- Satin stainless steel
- Polished brass

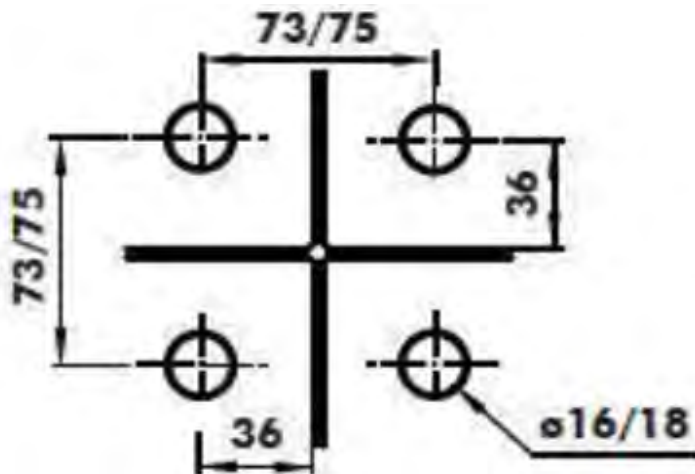
TECHNICAL DETAILS

- Maximum glass hold 100kg
- 1100mm door width
- 8mm, 10mm or 15mm glass thickness can be adjusted to fit

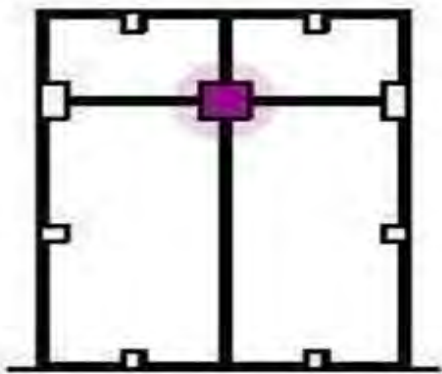
46550 Four Corner Connecting Patch



DETAIL



INSITU APPLICATION



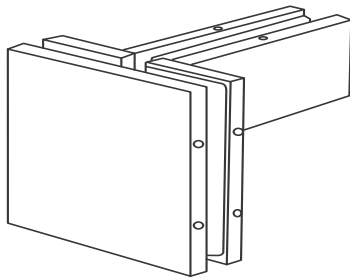
AVAILABLE FINISHES

- Satin silver anodised
- Polished stainless steel
- Satin stainless steel
- Polished brass

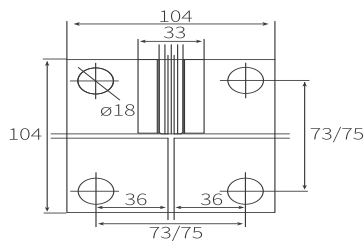
TECHNICAL DETAILS

- Maximum glass hold 300kg
- 12mm glass thickness
- 10mm or 15mm glass thickness can be adjusted to fit
- 12mm or 15mm glass

46550 Four Corner Connecting Patch with Fin



DETAIL



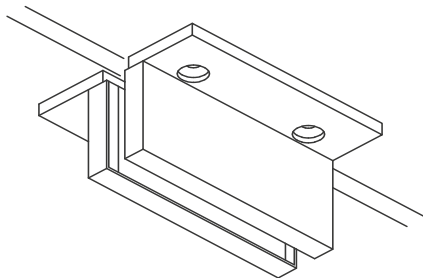
AVAILABLE FINISHES

- Satin silver anodised
- Polished stainless steel
- Satin stainless steel
- Polished brass

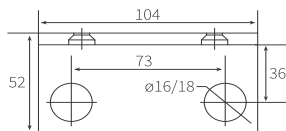
TECHNICAL DETAILS

- Maximum glass hold 300kg
- 12mm glass thickness
- 10mm or 15mm glass thickness can be adjusted to fit
- 12mm or 15mm glass fin

46700 Head/Jamb Fitting Angle



DETAIL

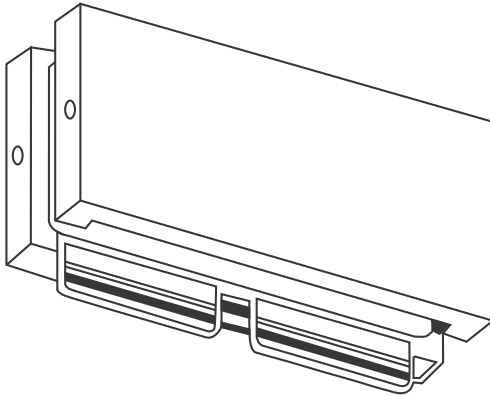


AVAILABLE FINISHES

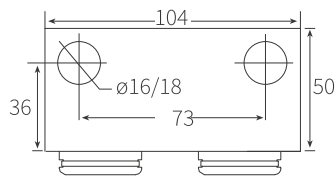
- Satin silver anodised
- Polished stainless steel
- Satin stainless steel
- Polished brass

TECHNICAL DETAILS

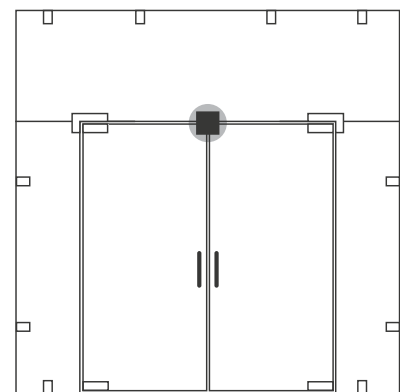
- Maximum glass hold 300kg
- Recommended torque 14 - 16
- 12mm glass thickness
- 10mm or 15mm glass thickness can be adjusted to fit

47210 Overpanel Patch Fitting with Door Stop

DETAIL



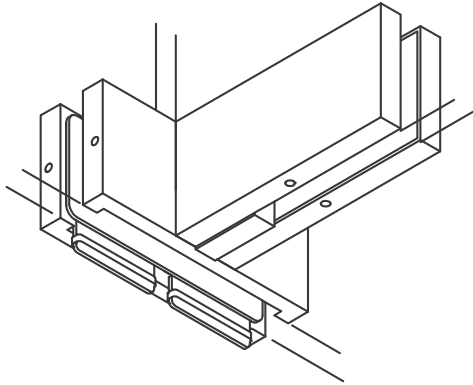
INSITU APPLICATION

**AVAILABLE FINISHES**

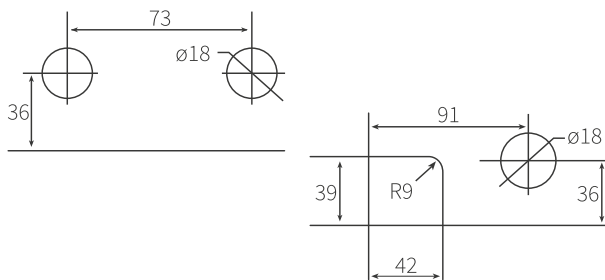
- Satin silver anodised
- Polished stainless steel
- Satin stainless steel
- Polished brass

TECHNICAL DETAILS

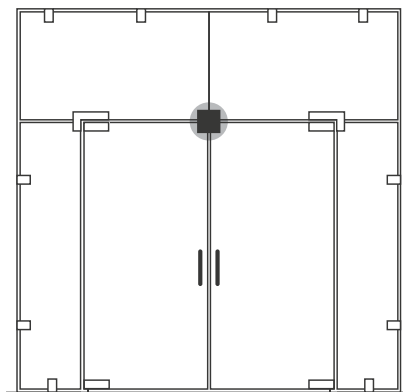
- Maximum glass hold 150kg
- Comes with door stop plate
- 12mm glass thickness
- 10mm or 15mm glass thickness can be adjusted to fit

47260 Double Door Fin with Bracket and Door Stops

DETAIL



INSITU APPLICATION

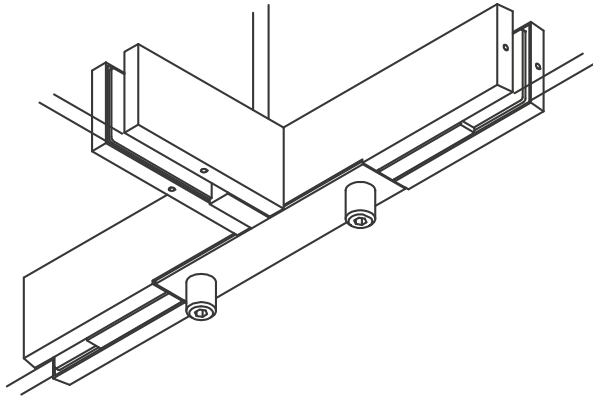
**AVAILABLE FINISHES**

- Satin silver anodised
- Polished stainless steel
- Satin stainless steel
- Polished brass

TECHNICAL DETAILS

- Maximum glass hold 150kg
- 12mm glass thickness
- 10mm or 15mm glass thickness can be adjusted to fit
- 12mm or 15mm glass fin

47750 Transom Fin with Double Pivot



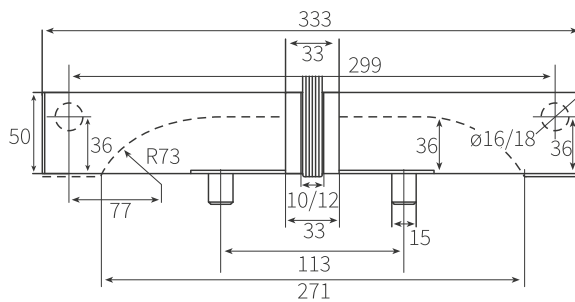
DETAIL

AVAILABLE FINISHES

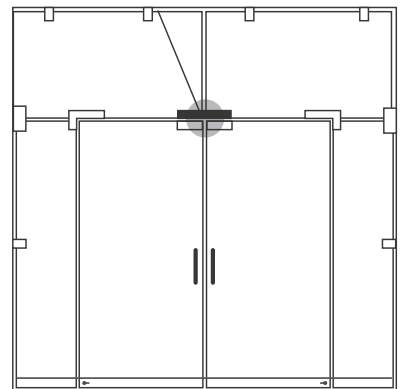
- Satin silver anodised
- Polished stainless steel
- Satin stainless steel
- Polished brass

TECHNICAL DETAILS

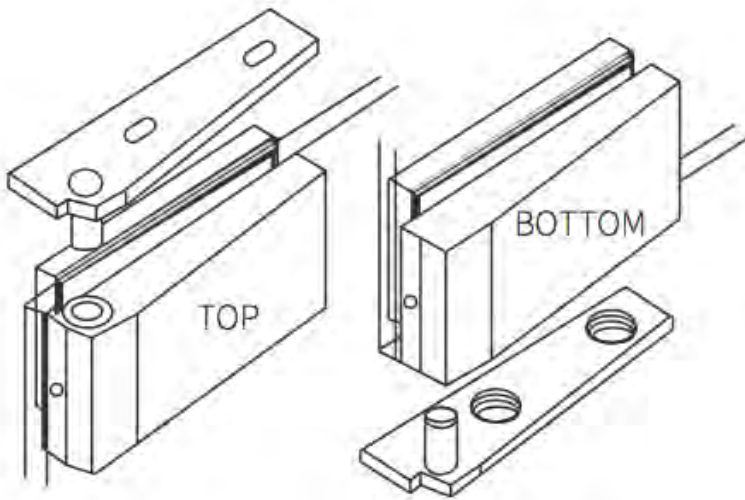
- Maximum glass hold 350kg
- Pivot point set at 55mm or 65mm
- Comes with door stop plate
- Suitable for SBC42400 (provides pivot point)
- 12mm glass thickness
- 10mm or 15mm glass thickness can be adjusted to fit
- 12mm or 15mm glass fin



INSITU APPLICATION



12790 Pair Offset Patch + Pivot



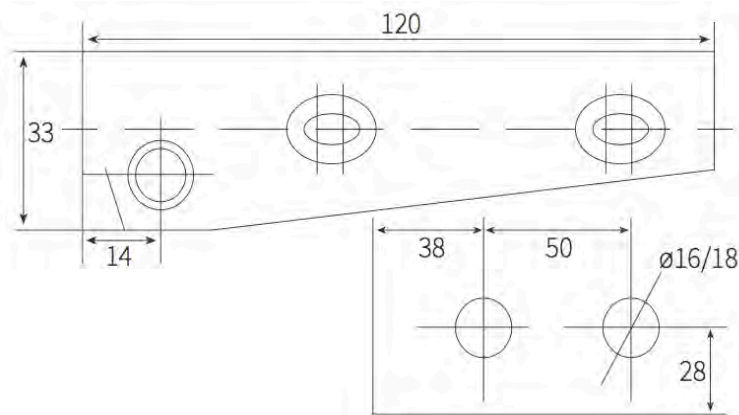
AVAILABLE FINISHES

- Satin silver anodised
- Polished stainless steel
- Satin stainless steel
- Polished brass

TECHNICAL DETAILS

- Maximum glass hold 350kg
- Pivot point set at 55mm or 65mm
- Comes with door stop plate
- Suitable for SBC42400 (provides pivot point)
- 12mm glass thickness
- 10mm or 15mm glass thickness can be adjusted to fit
- 12mm or 15mm glass fin

DETAIL

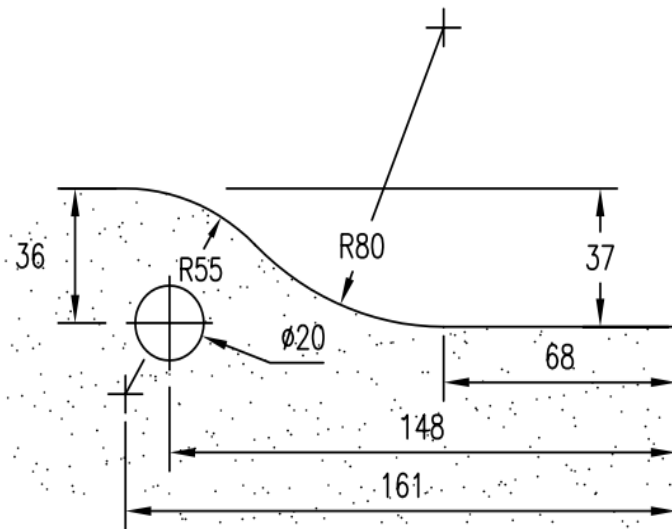


INSITU APPLICATION



PT10/20 Top/Bottom Patch

DETAIL



PT 10/20 GLASS PREPARATION

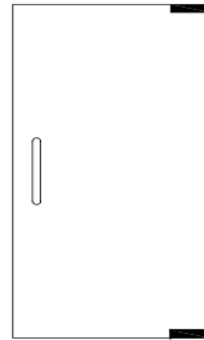
AVAILABLE FINISHES

- Aluminium: MILL, SAA
- Stainless: SSS, PSS

TECHNICAL DETAILS

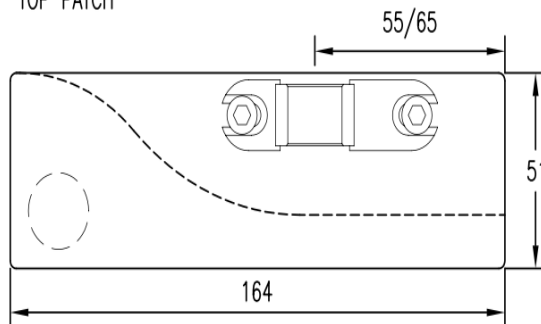
- Universal 51mm x 164mm bottom and top patch
- Fitting with covers to suit BTS floor springs or free pivots
- Pivot point set at 55mm or 65mm
- Specify glass thickness 10, 12 or 15mm

INSITU APPLICATION

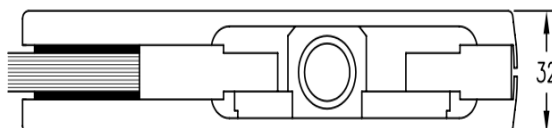


PT 20

TOP PATCH



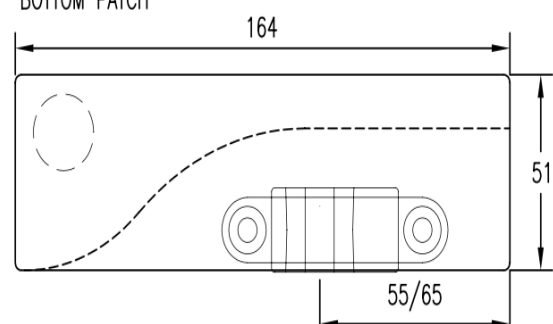
ELEVATION



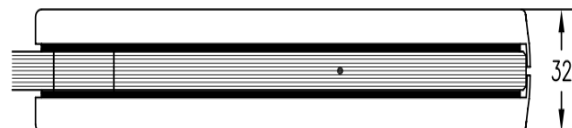
PLAN

PT 10

BOTTOM PATCH



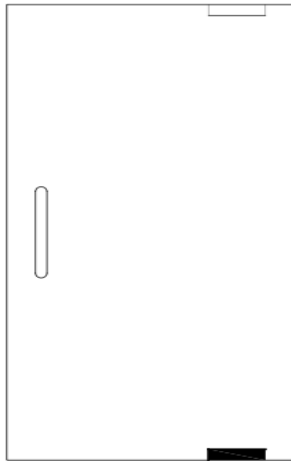
ELEVATION



PLAN

PT10C/F Bottom Patch

INSITU APPLICATION



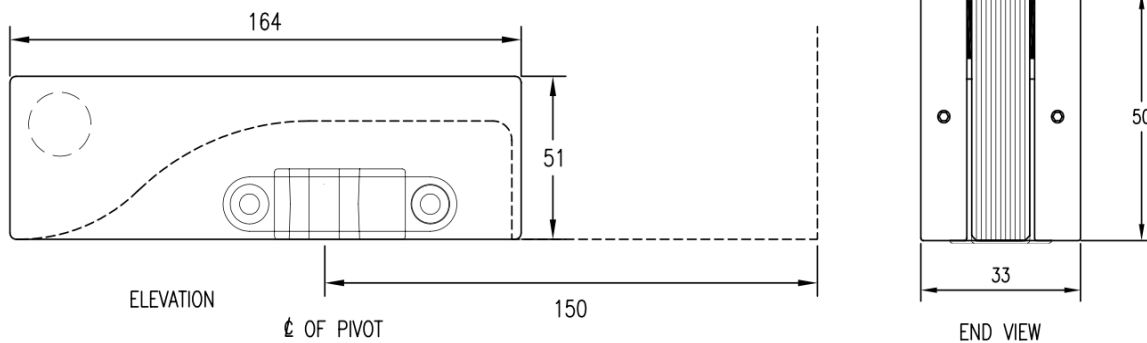
AVAILABLE FINISHES

- Aluminium: MILL, SAA
- Stainless: SSS, PSS

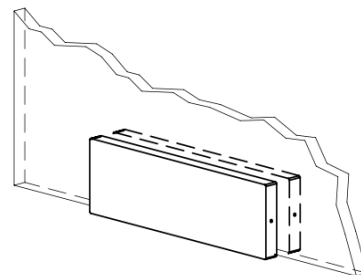
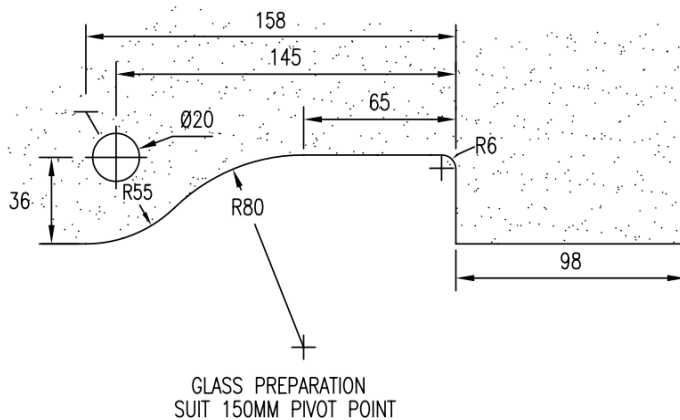
TECHNICAL DETAILS

- Universal 51mm x 164mm bottom patch
- Fitting with covers to suit BTS floor springs or free pivots
- Patch is modified to be centre fixed on glass providing pivot point of 150mm or greater
- Specify glass thickness 10, 12 or 15mm

DETAIL

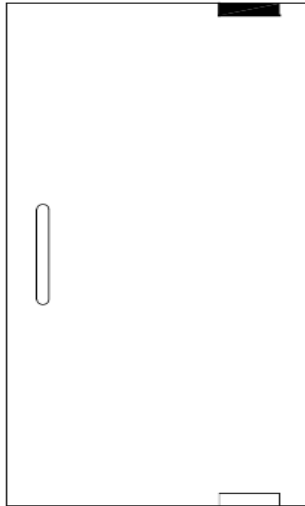


DETAIL

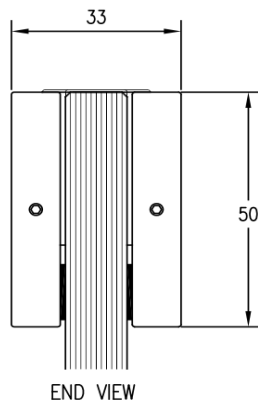


PT20C/F Top Patch

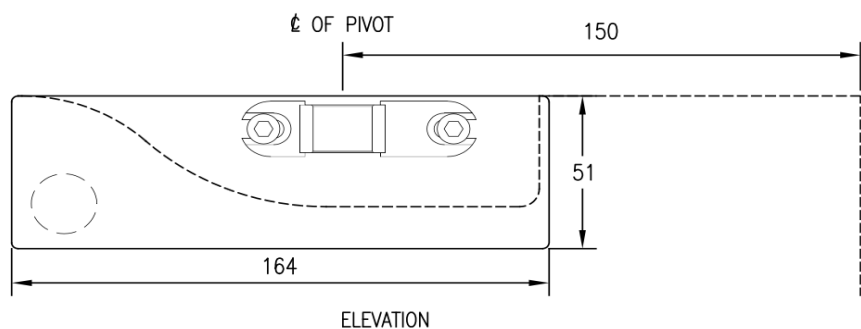
INSITU APPLICATION



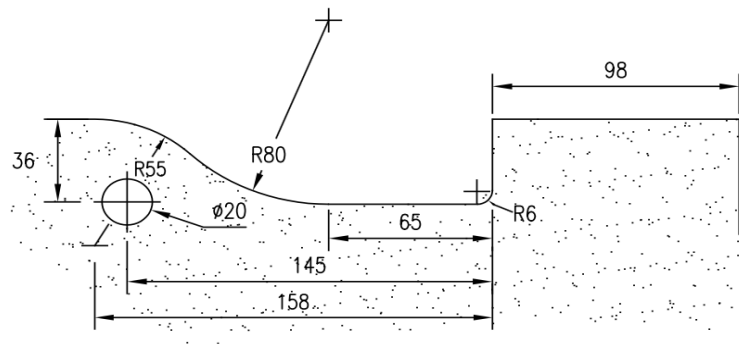
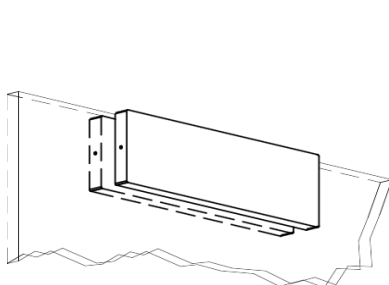
DETAIL



END VIEW



ELEVATION



GLASS PREPARATION
SUIT 150MM PIVOT POINT

AVAILABLE FINISHES

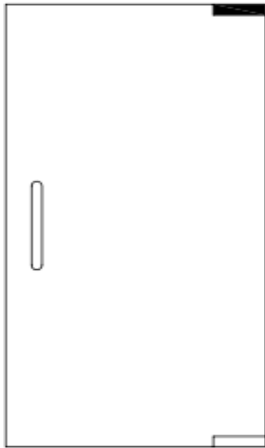
- Aluminium: MILL, SAA
- Stainless: SSS, PSS

TECHNICAL DETAILS

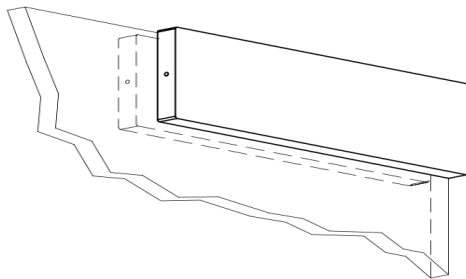
- Universal 51mm x 164mm top patch
- Fitting with covers to suit 15mm diameter top pivots
- Patch is modified to be centre fixed on glass providing pivot point of 150mm or greater
- Specify glass thickness 10, 12 or 15mm

PT22 Top Patch

INSITU APPLICATION



DETAIL

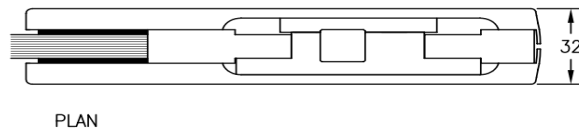
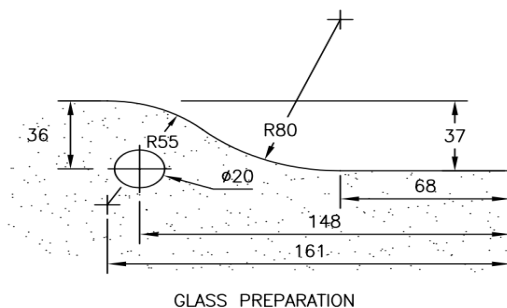
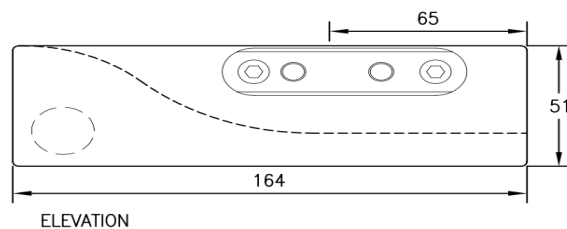


AVAILABLE FINISHES

- Aluminium: MILL, SAA
- Stainless: SSS, PSS

TECHNICAL DETAILS

- Universal 51mm x 164mm top patch
- Fitting with covers to suit RTS85 transom closers
- Pivot point set at 65mm
- Specify glass thickness 10, 12 or 15mm

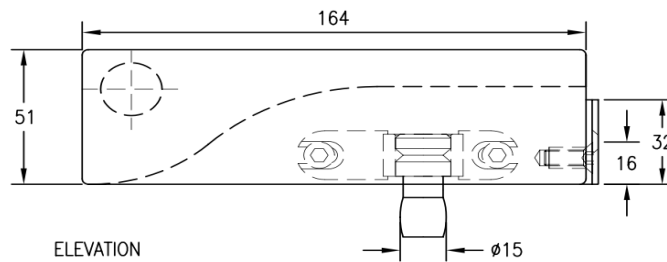


PT30/30S Over Panel Patch Fitting

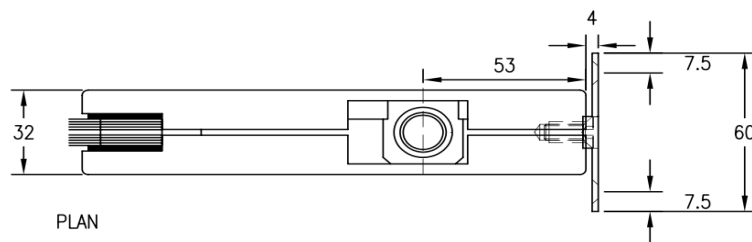
INSITU APPLICATION



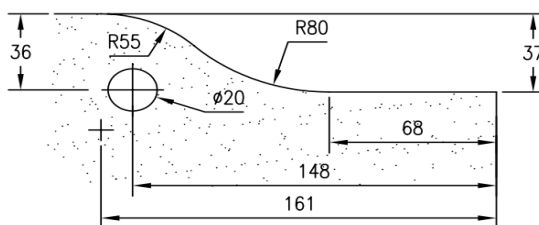
DETAIL



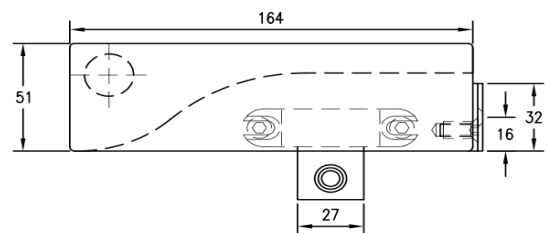
ELEVATION



PLAN



GLASS PREPARATION



PT 30S STOP PATCH

AVAILABLE FINISHES

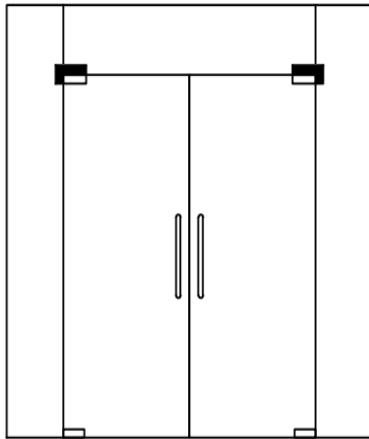
- Aluminium: MILL, SAA
- Stainless: SSS, PSS

TECHNICAL DETAILS

- Universal 51mm x 164mm PT30 over panel
- Patch fitting with backing plate and pivot to suit PT20 upper patch fitting and PT30S over panel patch fitting with backing plate and stop insert
- Specify glass thickness 10, 12 or 15mm

PT40/40S Corner Link Patch

INSITU APPLICATION



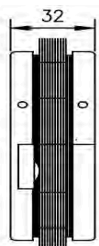
AVAILABLE FINISHES

- Aluminium: MILL, SAA
- Stainless: SSS, PSS

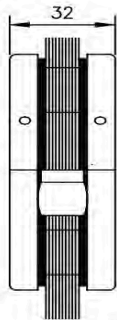
TECHNICAL DETAILS

- Universal 218mm x 106mm t
- PT40 highlight to sidelight corner link patch with pivot
- PT40S highlight to sidelight corner link patch with stop insert
- Pivot point set at 55mm
- Specify glass thickness 10, 12 or 15mm
- Specify: PT40 highlight to sidelight corner pivot patch
- Specify: PT40S highlight to sidelight corner stop patch

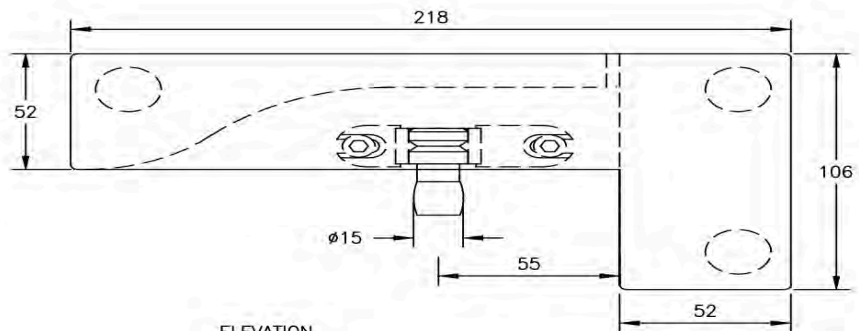
DETAIL



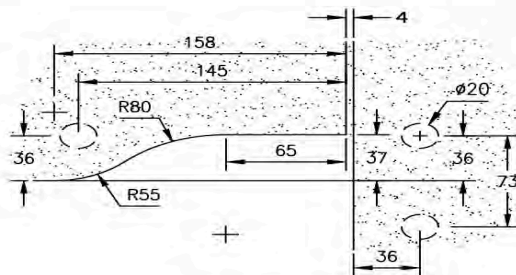
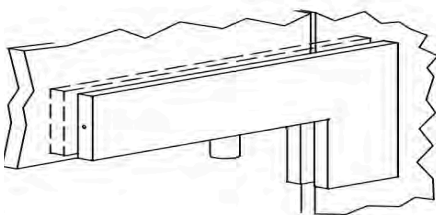
PT 40S STOP PATCH



END VIEW



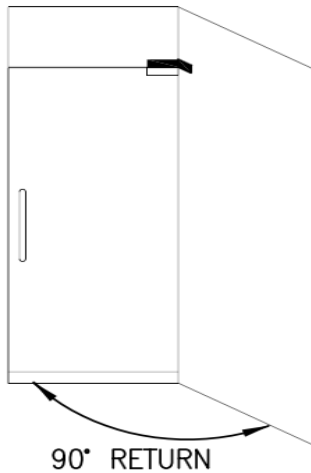
ELEVATION



GLASS PREPARATION

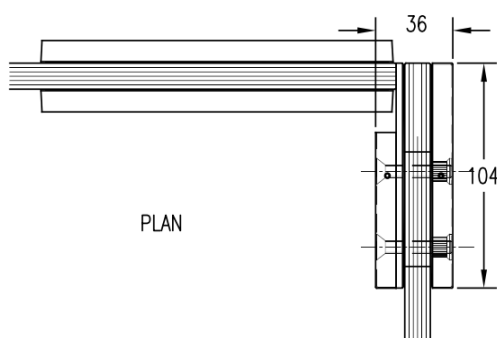
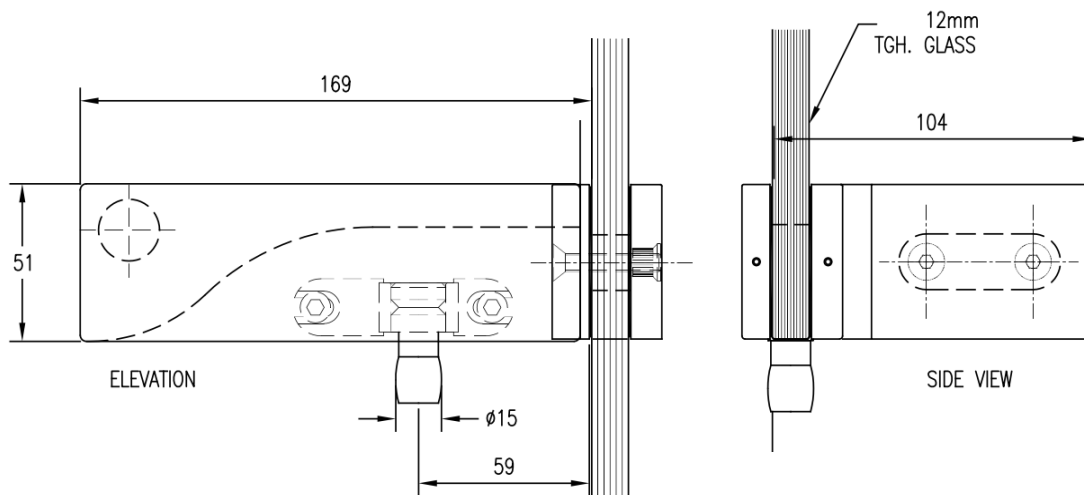
PT40/90 Corner Link Patch with Return at 90 Degrees

INSITU APPLICATION

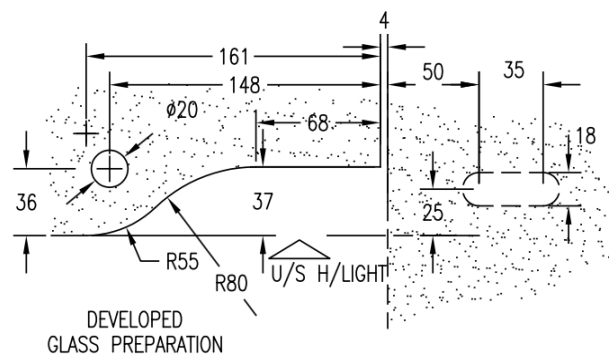


90° RETURN

DETAIL



PLAN



AVAILABLE FINISHES

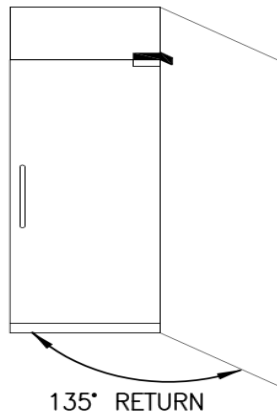
- Aluminium: MILL, SAA
- Stainless: SSS, PSS

TECHNICAL DETAILS

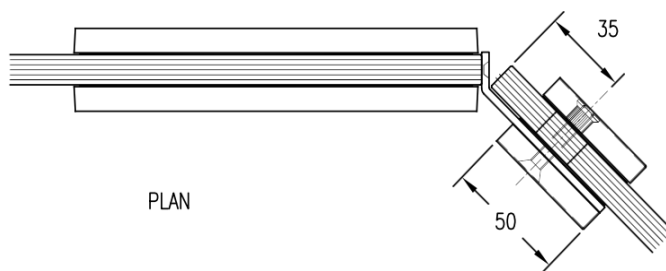
- Universal 51mm x 192mm high light to side light corner link patch with return at 90 degrees, fitted with PT30.1 adaptor set at 55mm to suit PT20 top patch
- Specify glass thickness 10, 12 or 15mm
- Specify handing LH / RH
- Specify PT30.1S stop insert if required
- Illustrated: PT40/90 RH

PT40/135 Corner Link Patch with Return at 135 Degrees

INSITU APPLICATION



DETAIL

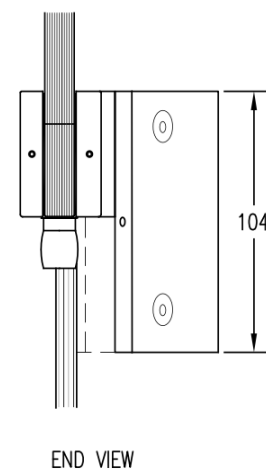
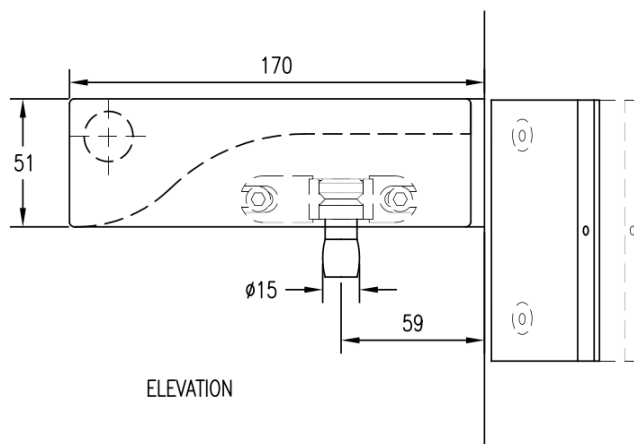
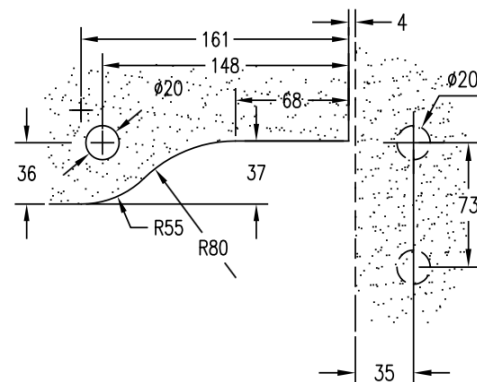


AVAILABLE FINISHES

- Aluminium: MILL, SAA
- Stainless: SSS, PSS

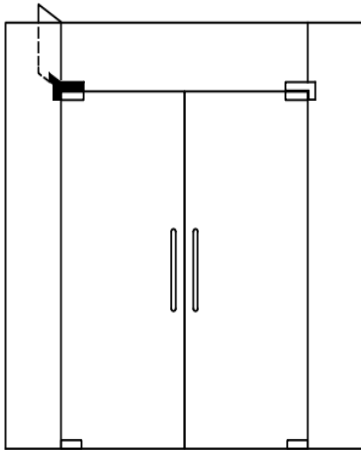
TECHNICAL DETAILS

- Universal 104mm x 192mm x 50mm
- High light to side light corner link patch with return at 135 degrees, fitted with PT30.1 adaptor set at 55mm to suit PT20 top patch
- Specify glass thickness 10, 12 or 15mm
- Specify handing LH / RH
- Specify PT30.1S stop insert if required
- Illustrated: PT40/135 RH
- Note: manufactured to suit all angles of return, specify angle if required

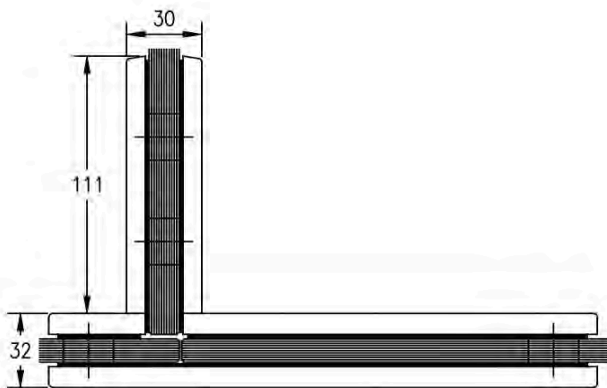


PT41/41S Corner Link Patch with Fin Portion and Pivot

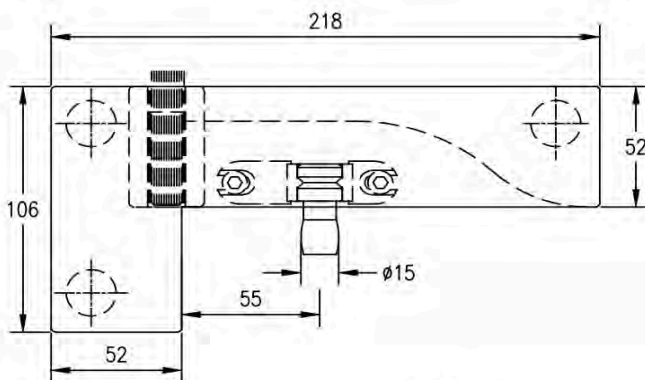
INSITU APPLICATION



DETAIL



PLAN



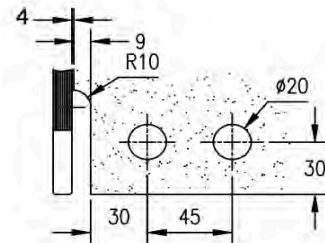
ELEVATION

AVAILABLE FINISHES

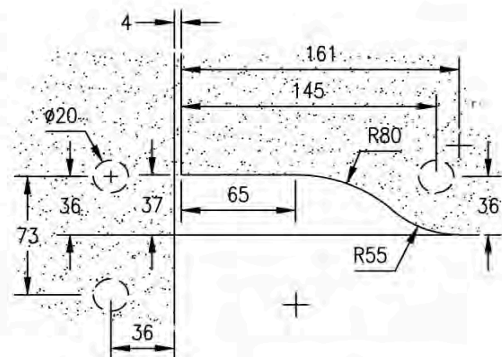
- Aluminium: MILL, SAA
- Stainless: SSS, PSS

TECHNICAL DETAILS

- Universal 218mm x 106mm
- PT41 highlight to sidelight corner link patch with fin portion and pivot
- PT41S highlight of sidelight corner link patch with fin portion and stop insert
- Pivot point set at 55mm
- Specify glass thickness 10, 12 or 15mm
- Specify fin glass thickness 12 or 15mm
- Specify PT41S stop insert if required
- Specify handing LH / RH
- Illustrated: PT41 LH



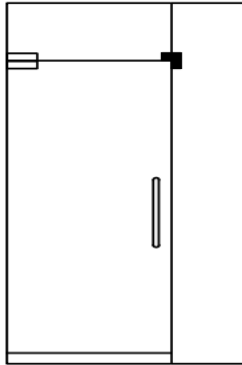
FIN GLASS PREPARATION



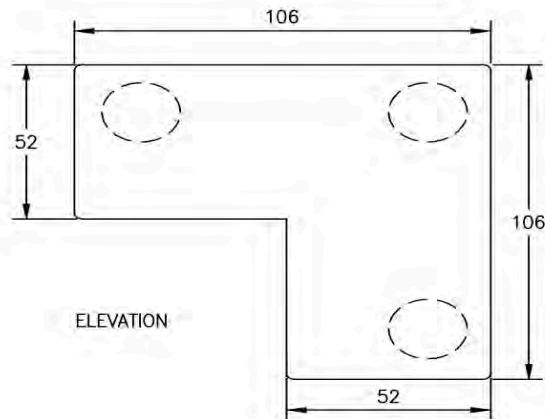
GLASS PREPARATION

PT60/60S Corner Link Patch

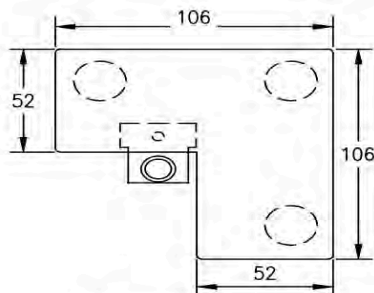
INSITU APPLICATION



DETAIL



ELEVATION



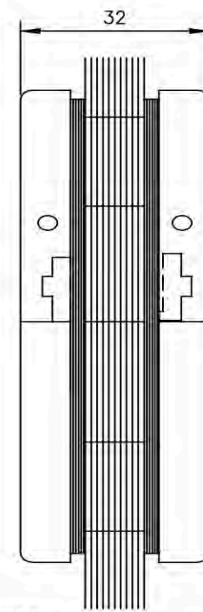
PT 60S STOP PATCH

AVAILABLE FINISHES

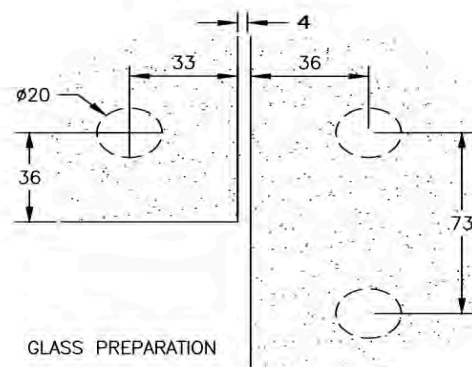
- Aluminium: MILL, SAA
- Stainless: SSS, PSS

TECHNICAL DETAILS

- Universal 106mm x 106mm
- PT60 highlight to sidelight corner link patch
- PT60S highlight to sidelight corner link patch with stop insert
- Specify glass thickness 10, 12 or 15mm
- Specify CD60 highlight to sidelight corner link patch
- Specify CD60S highlight to sidelight corner stop patch



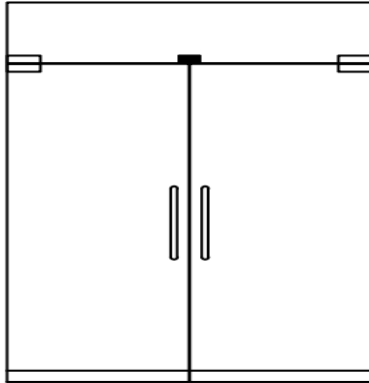
END VIEW



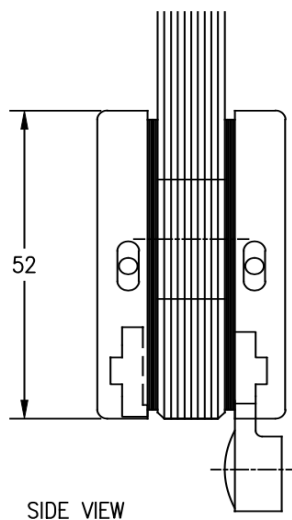
GLASS PREPARATION

PT70/70S Over Panel Connecting Patch

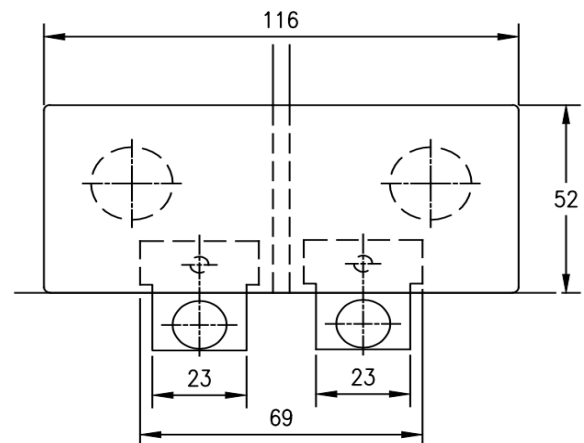
INSITU APPLICATION



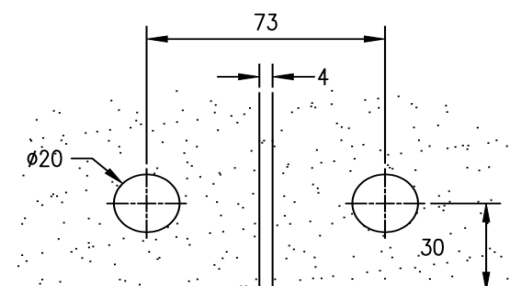
DETAIL



SIDE VIEW



ELEVATION



GLASS PREPARATION

AVAILABLE FINISHES

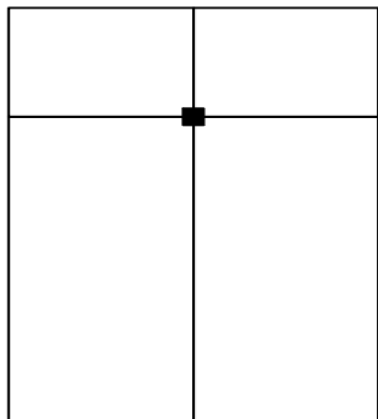
- Aluminium: MILL, SAA
- Stainless: SSS, PSS

TECHNICAL DETAILS

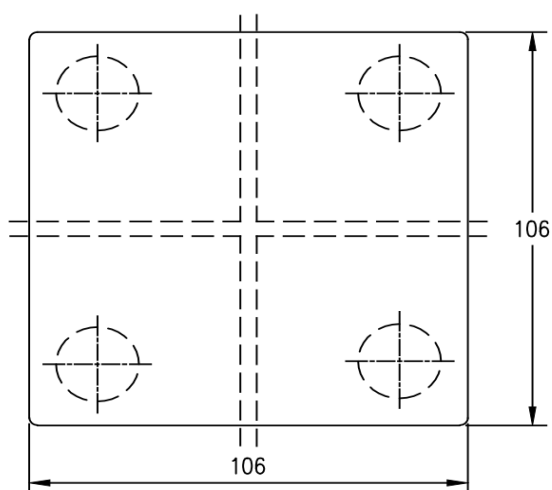
- Universal 116mm x 52mm
- PT70 over panel connecting patch for connecting 2 panels of glass
- PT70S over panel connecting patch with 2 x stop inserts
- Specify glass thickness 10, 12 or 15mm
- Note: PT70S illustrated

PT80 Patch for Connecting 2 or 4 Panels

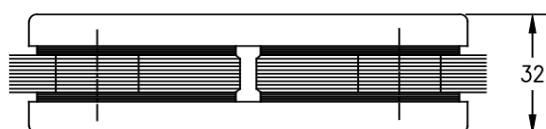
INSITU APPLICATION



DETAIL



ELEVATION



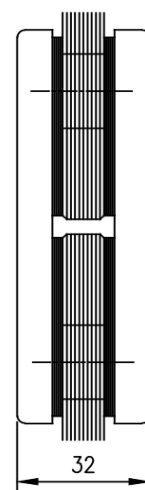
PLAN

AVAILABLE FINISHES

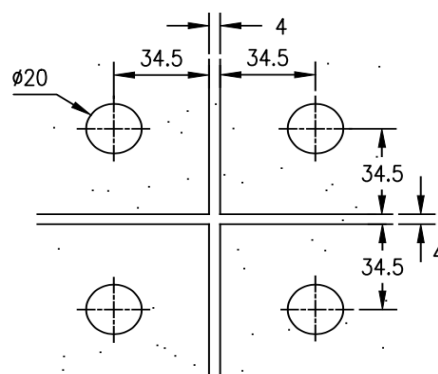
- Aluminium: MILL, SAA
- Stainless: SSS, PSS

TECHNICAL DETAILS

- Universal 106mm x 106mm
- PT80 connecting link patch for connecting 2 or 4 panels of glass
- Specify glass thickness 10, 12 or 15mm



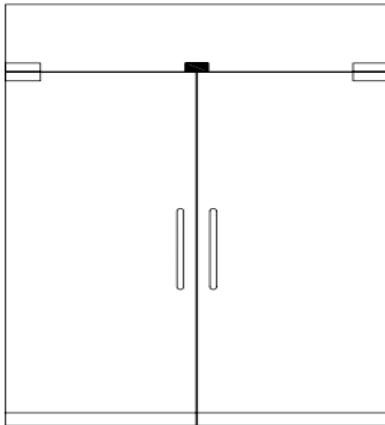
END VIEW



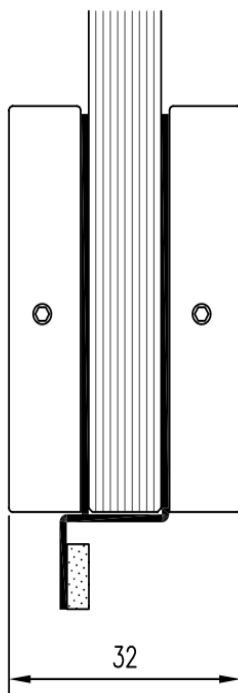
GLASS PREPARATION

CD87 S/O High Light Slide Over Stop Patch

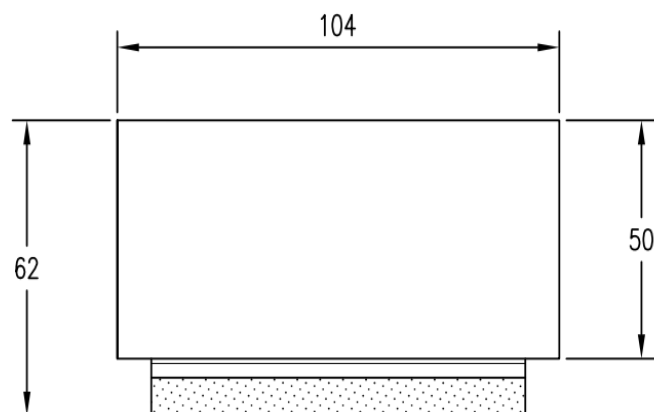
INSITU APPLICATION



DETAIL



SIDE VIEW



ELEVATION

AVAILABLE FINISHES

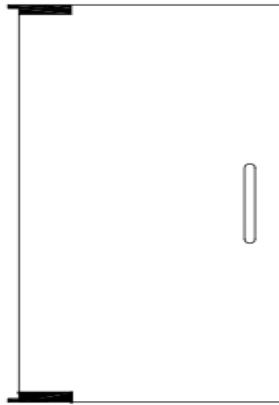
- Aluminium: MILL, SAA
- Stainless: SSS, PSS

TECHNICAL DETAILS

- On-eazi 50mm x 104mm high light slide over stop patch for retro fitting where high light is installed without hole preparation
- Specify glass thickness 10, 12 or 15mm
- Note: Patch to be adhered to glass with silicone

311.1 / 312.1 Lower and Upper Offset Patch Fitting

INSITU APPLICATION



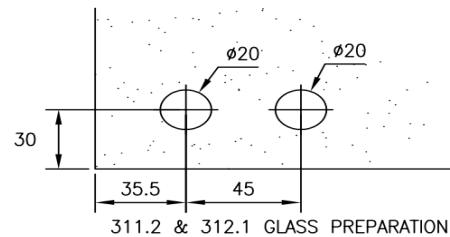
DETAIL

AVAILABLE FINISHES

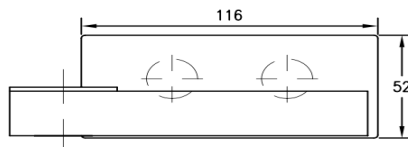
- Aluminium: SAA

TECHNICAL DETAILS

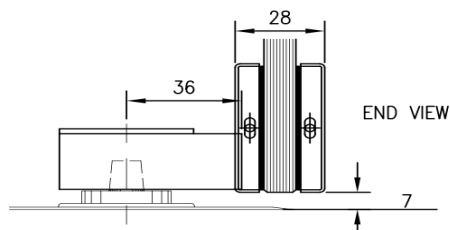
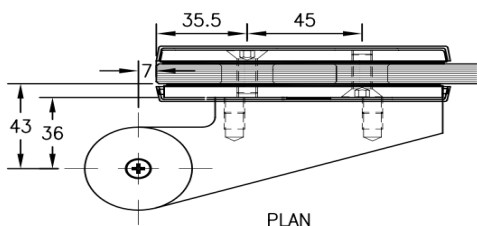
- Universal 52mm x 116mm
- 311.1 lower offset patch fitting
- 312.1 upper offset patch fitting to suit BTS floor springs, pivot bearing and upper pivots
- Specify glass thickness 10 or 12mm
- Specify handing LH / RH (Left hand drawn)
- Max door weight: 90kgs
- Max door width: 1000mm

**311.1**

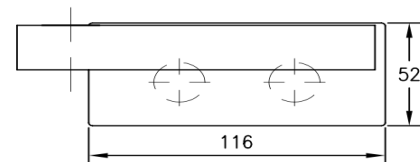
LOWER OFFSET PATCH FITTING



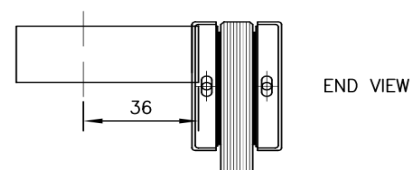
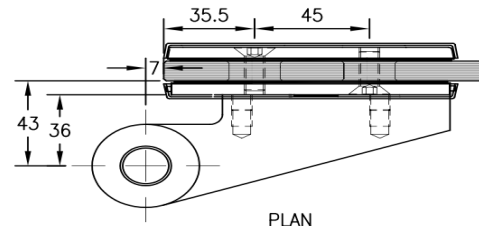
ELEVATION

**312.1**

UPPER OFFSET PATCH FITTING

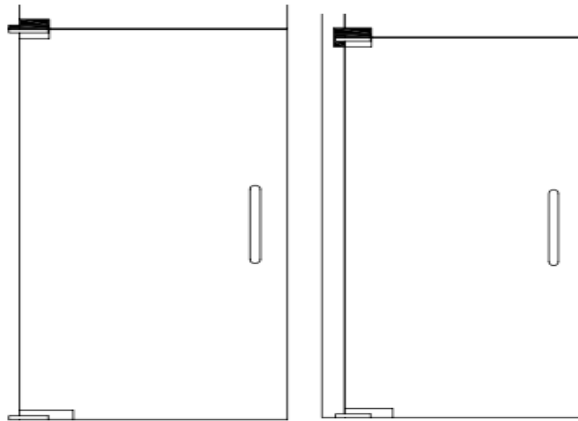


ELEVATION



326.1 / 327.1 Overpanel Offset Patch Fitting

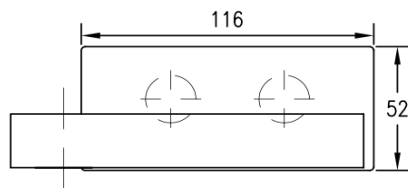
INSITU APPLICATION



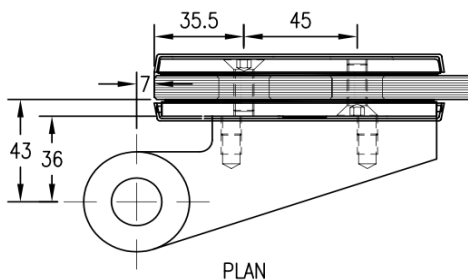
DETAIL

326.1

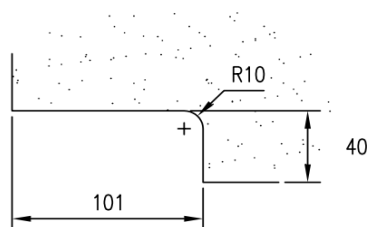
OVERPANEL OFFSET PATCH FITTING



ELEVATION



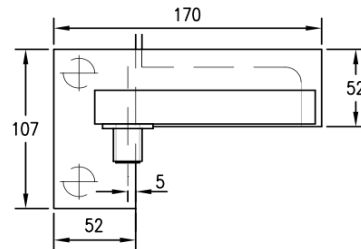
PLAN



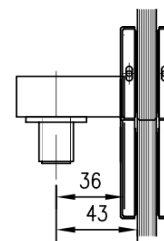
326.1 GLASS PREPARATION

327.1

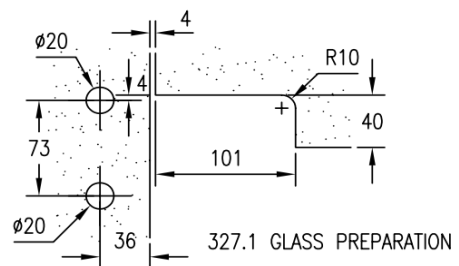
OVERPANEL/SIDELIGHT OFFSET PATCH FITTING



ELEVATION



END VIEW



327.1 GLASS PREPARATION

AVAILABLE FINISHES

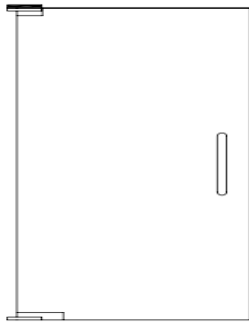
- Aluminium: SAA

TECHNICAL DETAILS

- Universal 326.1 over panel
- 327.1 over panel / sidelight offset patch fitting to suit 312.1 upper offset patch fitting
- Specify glass thickness 10 or 12mm
- Specify handing LH / RH (Left hand drawn)
- Max door weight: 90kgs
- Max door width: 1000mm

33.9.1/2/3 Upper Offset Frame Portions

INSITU APPLICATION



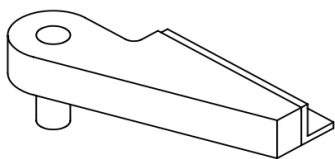
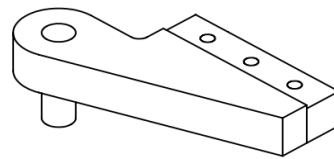
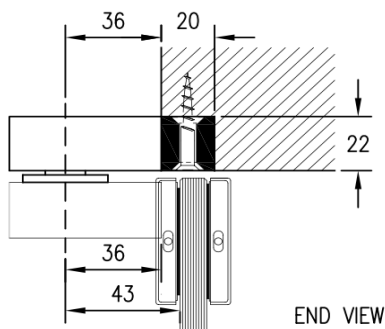
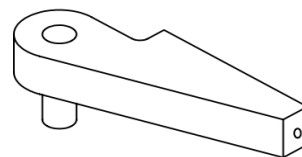
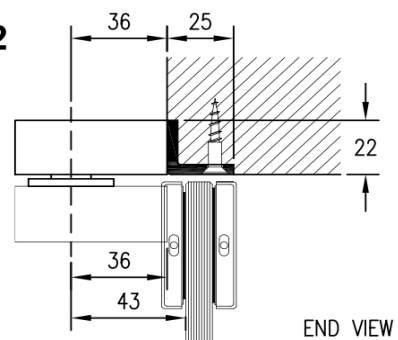
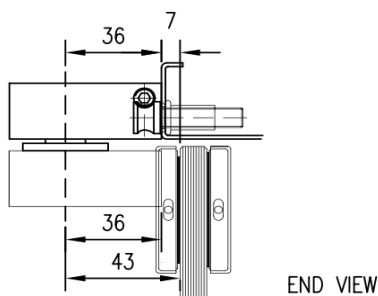
DETAIL

AVAILABLE FINISHES

- Aluminium: SAA

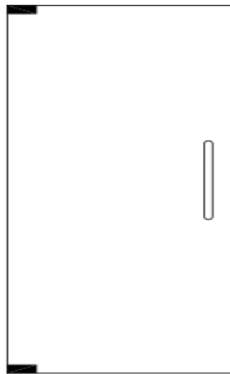
TECHNICAL DETAILS

- Universal 339.1/2/3 upper offset frame portions to suit 312.1 upper offset patch fitting
- Specify handing LH / RH (Left hand drawn)
- Max door weight: 90kgs
- Max door width: 1000mm

339.1**339.2****339.3**

12.009 Small Door Pivot Set

INSITU APPLICATION



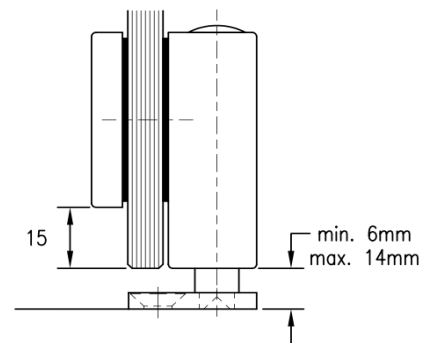
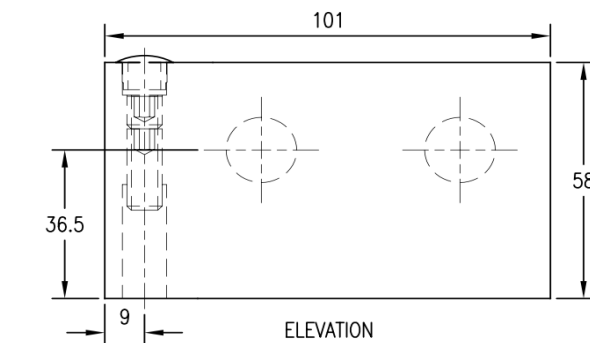
AVAILABLE FINISHES

- Aluminium: SAA
- Stainless: SSS, PSS

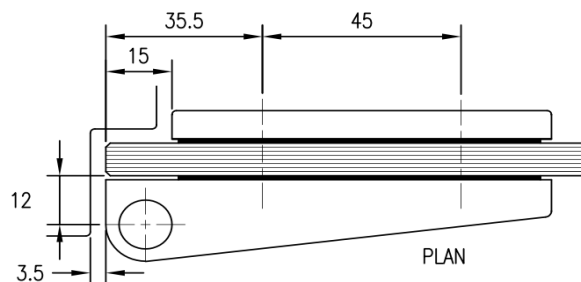
TECHNICAL DETAILS

- Universal small door pivot set comprising of top and bottom patches with pivot bearing plates
- Specify glass thickness 8 or 10mm
- Specify 12.009.1 for floor pivot set
- Specify 12.009.2 for wall pivot set
- Max door weight: 35kgs
- Note: sold as a single door set

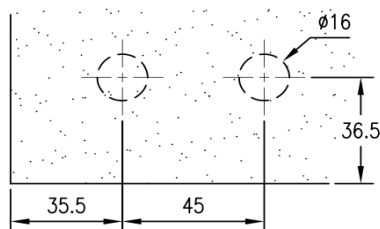
DETAIL



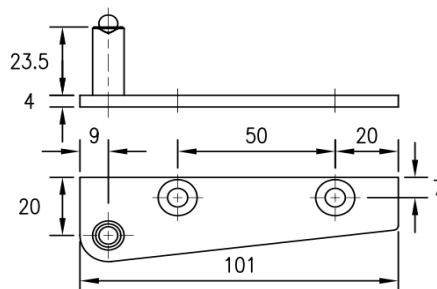
END VIEW



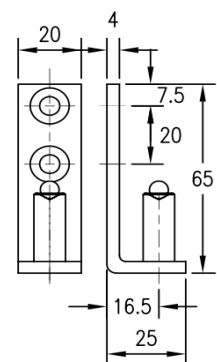
PLAN



GLASS PREPARATION



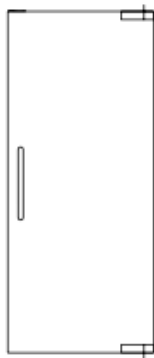
12.009.1 FLOOR PIVOT



12.009.2 WALL PIVOT

CD33 Angle Door Stop

INSITU APPLICATION



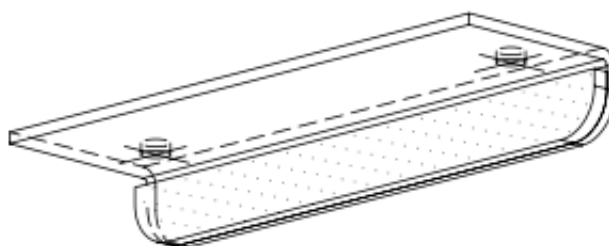
DETAIL

AVAILABLE FINISHES

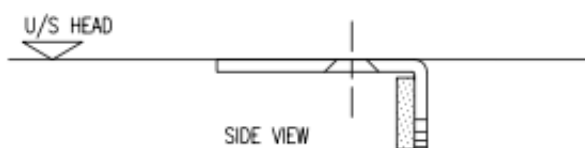
- Aluminium: MILL, SAA
- Stainless: SSS, PSS

TECHNICAL DETAILS

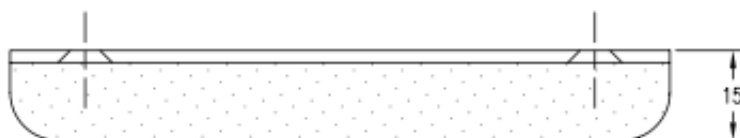
- 35mm x 15mm x 110mm
- Angle door stop with rubber buffer for head or side fixing



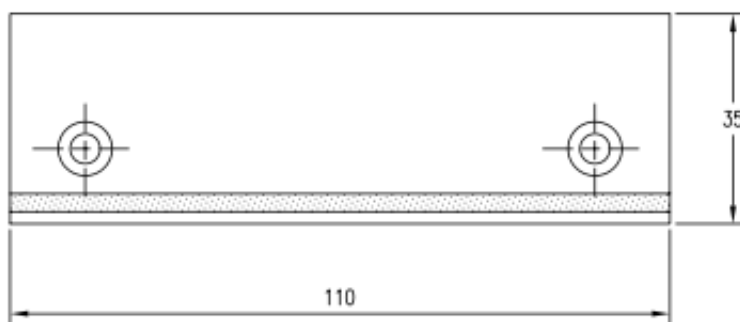
DOOR HEAD STOP



SIDE VIEW



ELEVATION



REFLECTED PLAN

DB1260 Standard Electric Drop Bolt Mortise Mount



PRODUCT DESCRIPTION

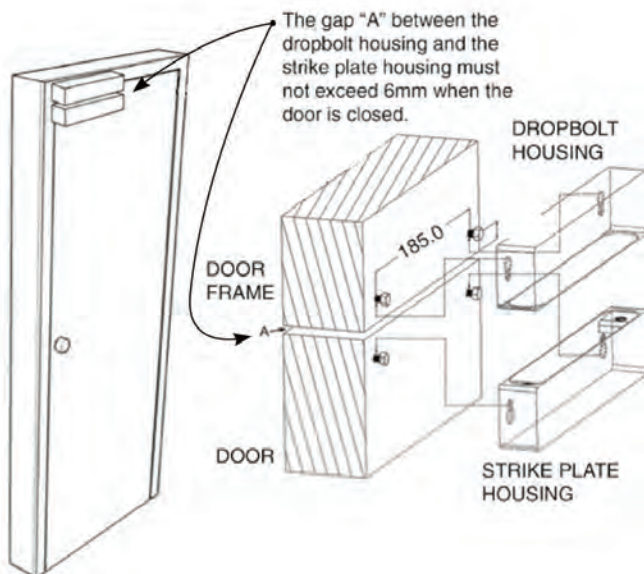
The DB1260 is designed for installation on narrow frame swing doors, and/or glass door mounting. The drop bolt body depth of 35mm will fit into a 44mm depth door frame. The drop bolt is available in either "Power To Lock" or "Power To Release" format.

TECHNICAL DETAILS

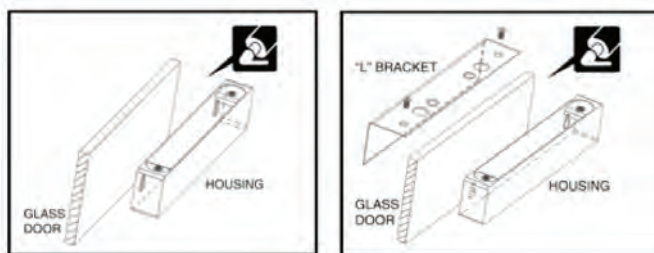
- Slimline mortise mount drop bolt
- Maximum glass hold up to 300kg
- 12VDC 1.15A(in-rush) 250mA holding
- Door sensor, Remote release, Bi-coloured LED & Audible tone
- L= 210 x W= 25 x D= 35mm

PRODUCT FEATURES

- Internal control circuits protect drop bolt pin from damage
- Power To Lock or Power To Release (to be specified)
- Auto lock function
- Built-in varistor (MOV) for surge protection
- Time delay setting at 0/3/6/10 secs
- 1 year warranty

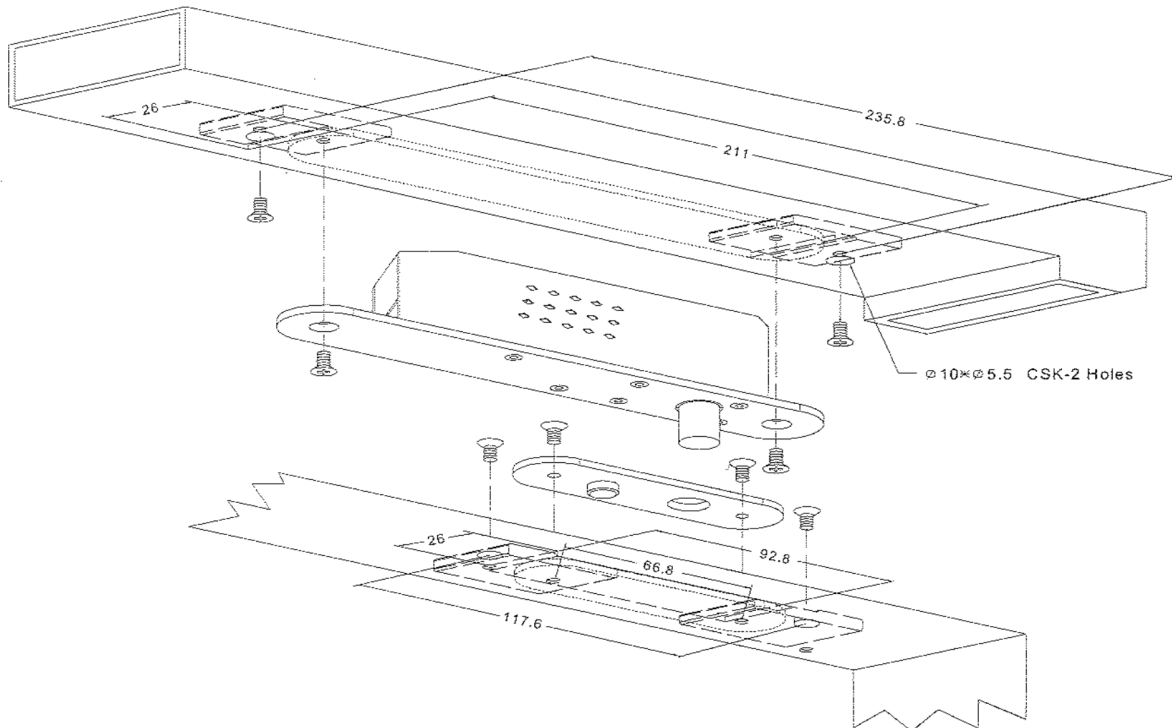


GLASS DOOR INSTALLATION

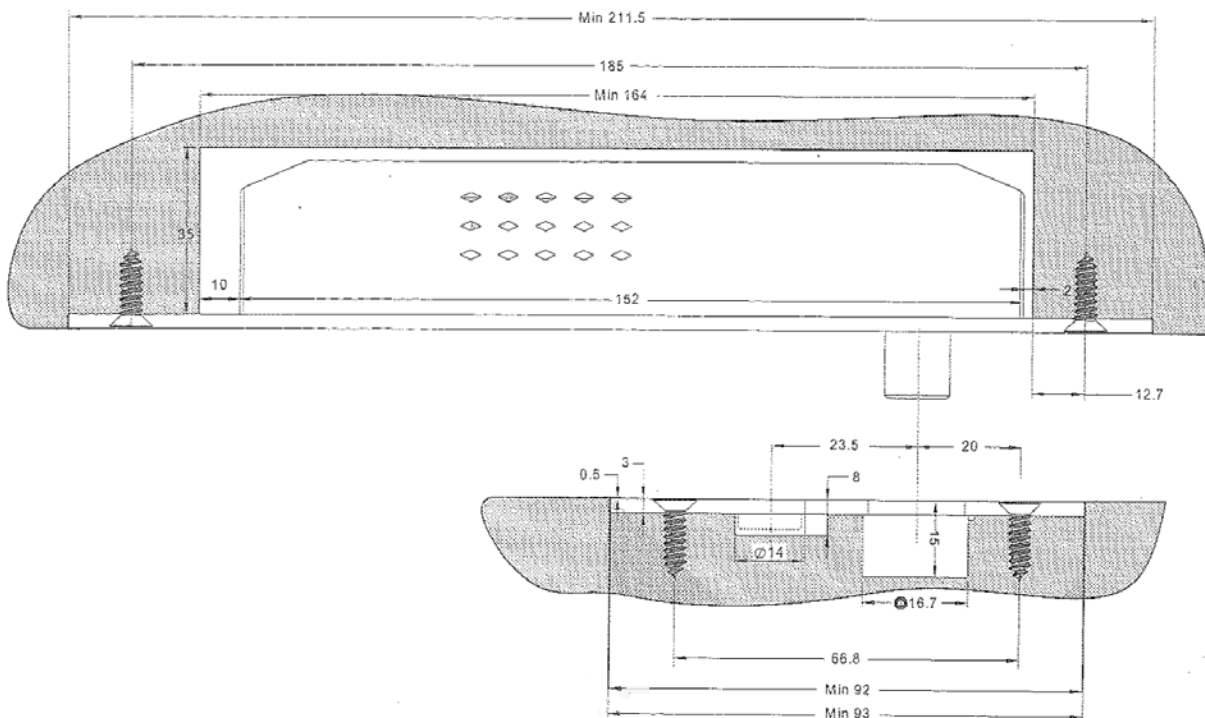


DOOR INSTALLATION Aluminium and Wooden

ALUMINIUM



WOODEN



FES4012 Glass Door Strike



PRODUCT DESCRIPTION

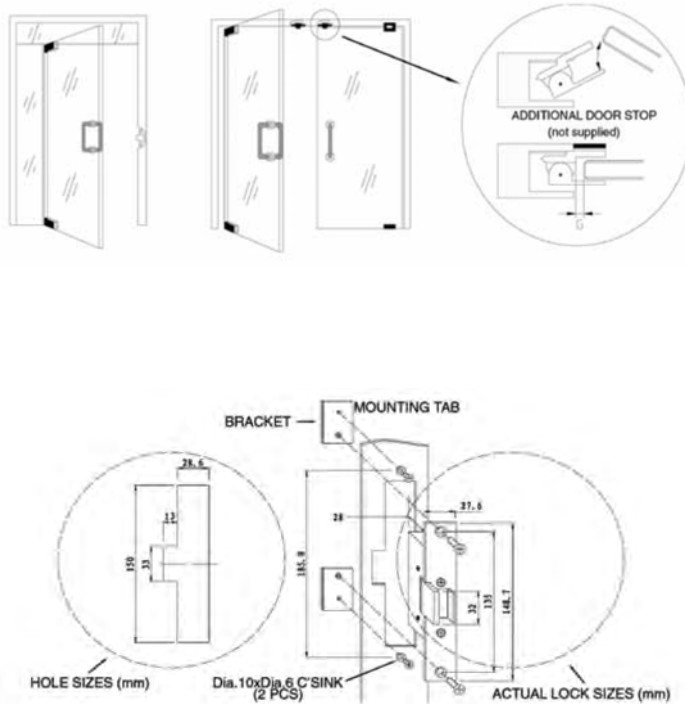
The FES4012 is suitable for single action 90°+ degree hinged glass door installations. The device is not suitable for double action 180° degree swing through doors.

TECHNICAL DETAILS

- Mortise mount, Power to lock glass door electric strike
- Maximum glass hold up to 300kg
- 12VDC/240mA
- Non monitored
- L= 148.7 x W= 27.6 x D= 30.1mm

PRODUCT FEATURES

- Power To Lock
- 304 stainless steel faceplate
- 304 stainless steel lock body
- Easy installation
- Low power consumption and low temperature
- Continuous operation
- Used on glass thickness from 10 to 12mm



KES2200 Fully Monitored Electric Strike



PRODUCT DESCRIPTION

The KES2200 Series is a high security electric strike, offering a single model including switch monitoring of latch, strike and solenoid, variable voltage from 12VDC/AC to 28VDC/AC, a fast and convenient interchangeable fail safe/fail secure function (changeable on site).

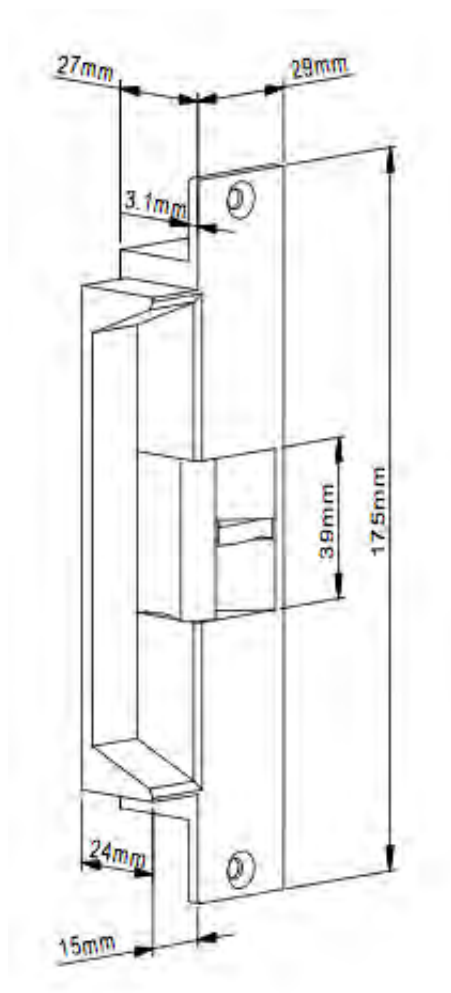
The construction of housing and keeper are of stainless steel and include pre-drilled holes for optional extension lips.

TECHNICAL DETAILS

- Operating voltage variable 12-24VDC
- Voltage tolerance +/- 15%
- Current draw: 12VDC/190mA, 24VDC/130mA (at temperature 20 degrees)
- Latch/Keeper micro switch rating: 1A/125VAC
- Operating temperature: -10-45 degrees
- Humidity 0-95%
- Cycle test to 1 million cycles
- 2 hour fire rating
- CE Certified
- C-Tick

PRODUCT FEATURES

- Fail safe / fail secure interchangeable
- Variable voltage 12-24VDC
- Suits latch depth up to 15mm
- Monitored latch, strike and solenoid
- Pre-drilled for optional extension lips
- Includes mounting tabs for metal frame
- Solid stainless steel construction

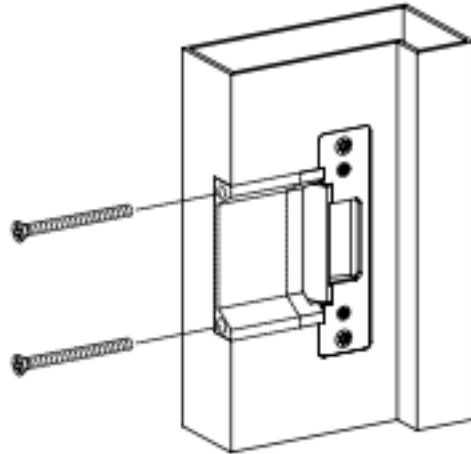


KESLP2225 / KESLP2250 Optional accessories for KES2200

KESLP2225



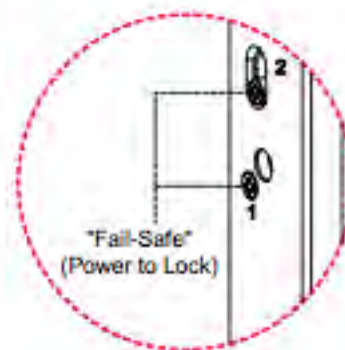
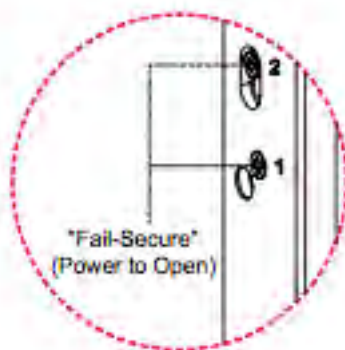
KESLP2250

**TECHNICAL DETAILS**

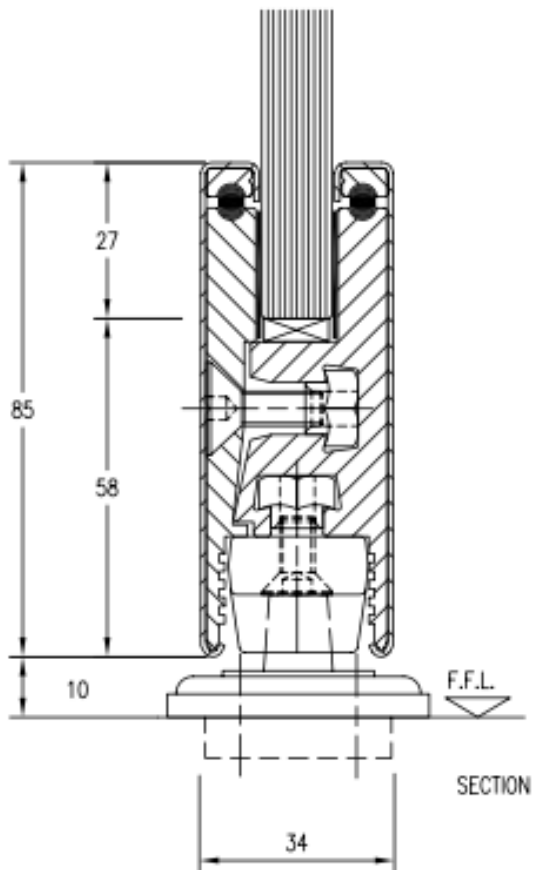
- KESLP22H - Lip extension 25mm, suit KES2200
- KESLP2250 - Lip extension 50mm, suit KES2200

VERSION CHANGEABLE

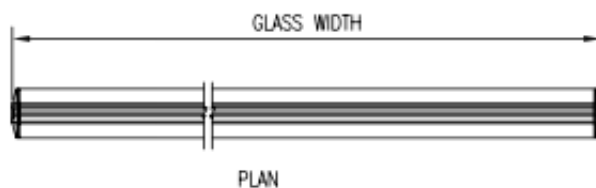
- The KES2200 Series Electric Strike can easily be changed between fail safe and fail secure modes



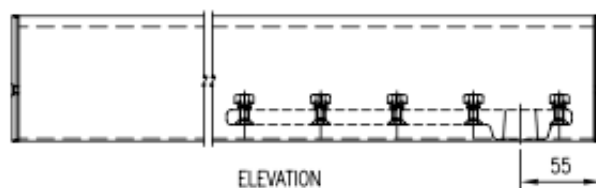
CDS41 Door Rail



DETAIL



PLAN



ELEVATION

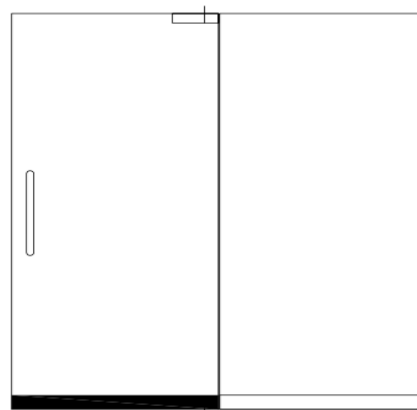
AVAILABLE FINISHES

- Aluminium: MILL, SAA
- Stainless: SSS, PSS
- Special finishes on request

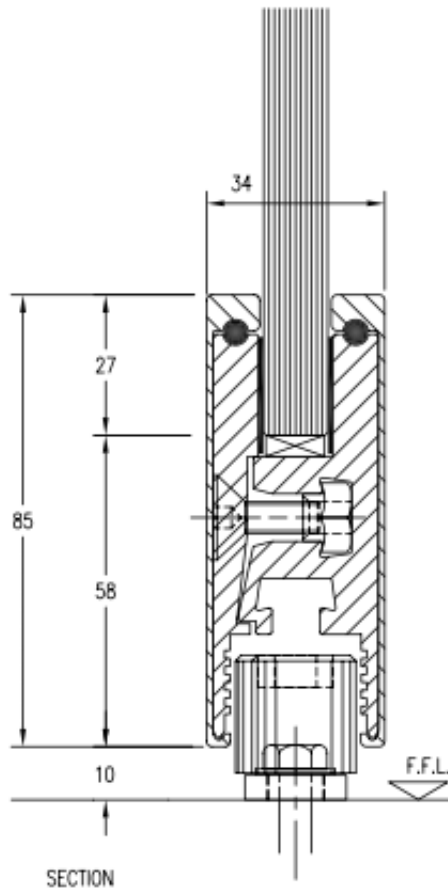
TECHNICAL DETAILS

- On-Eazi 85mm high bottom door rail complete with bottom adaptor to suit BTS floor springs and floor pivots
- Adjustable pivot point set at 55mm or specify as required
- Specify glass thickness 10, 12, 15 or 19mm
- Alternative rail cover heights on application
- Max door weight: 150kgs
- Illustrated with CD355 floor pivot

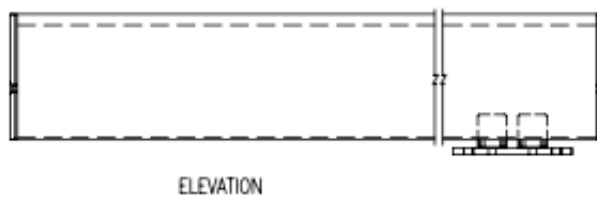
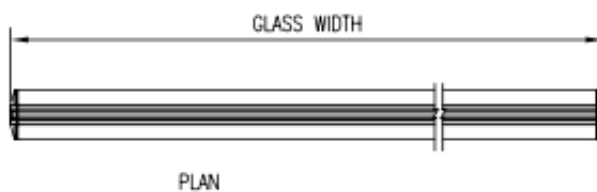
INSITU APPLICATION



CDS41S Door Rail



DETAIL



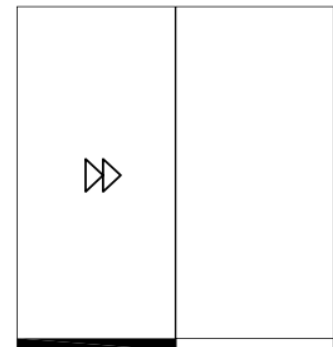
AVAILABLE FINISHES

- Aluminium: MILL, SAA
- Stainless: SSS, PSS
- Special finishes on request

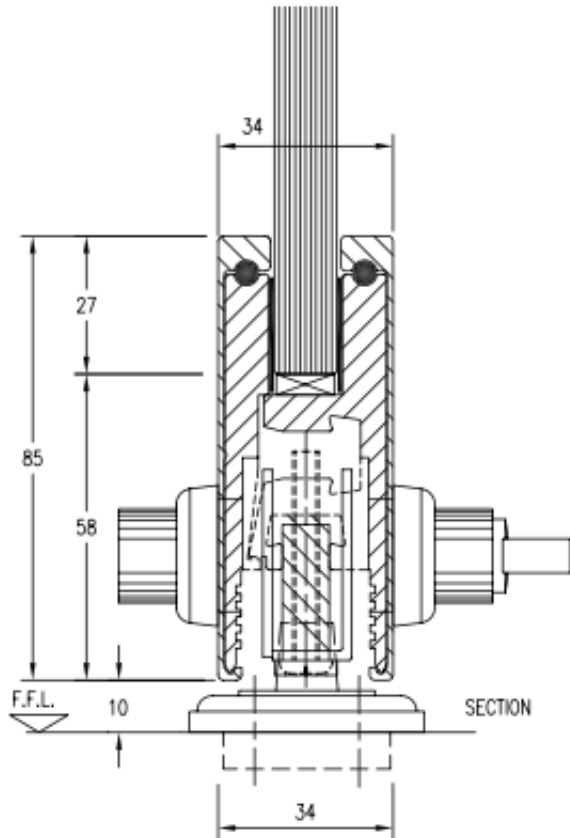
TECHNICAL DETAILS

- On-Eazi 85mm high bottom door rail to suit automatic or manual sliding doors
- Specify glass thickness 10, 12, 15 or 19mm
- Alternative rail cover heights on application
- Illustrated with CD03 internal roller guide

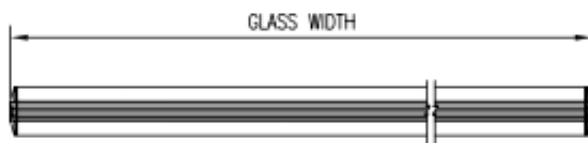
INSITU APPLICATION



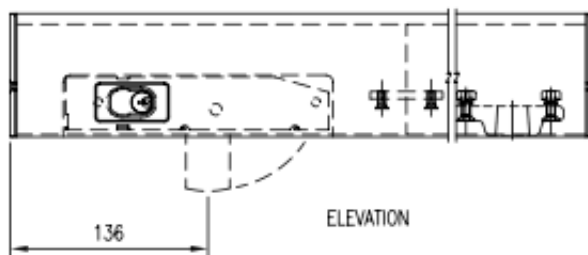
CDS42 Door Rail



DETAIL



PLAN



ELEVATION

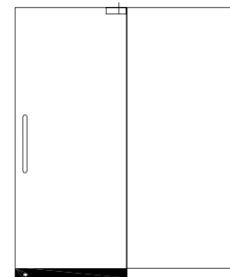
AVAILABLE FINISHES

- Aluminium: MILL, SAA
- Stainless: SSS, PSS
- Special finishes on request

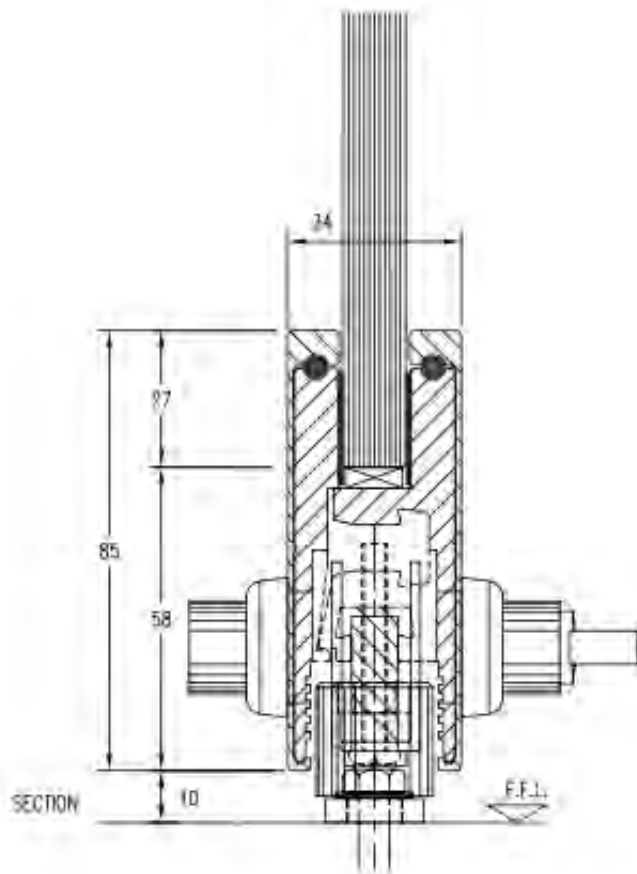
TECHNICAL DETAILS

- On-Eazi 85mm high bottom door rail complete with bottom adaptor and door lock (DC590) to suit BTS floor springs and flood pivots
- Adjustable pivot point set at 55mm or specify as required
- Specify glass thickness 10, 12, 15 or 19mm
- Specify lock operation either single cylinder, double cylinder or cylinder and turn
- Alternate rail cover heights on application
- Max door weight: 150kgs
- Illustrated with CD355 floor pivot

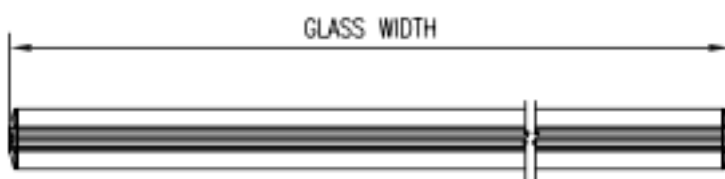
INSITU APPLICATION



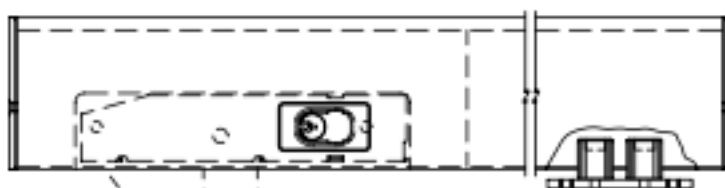
CDS42S Door Rail



DETAIL



PLAN



ELEVATION

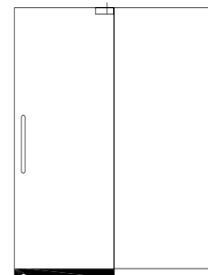
AVAILABLE FINISHES

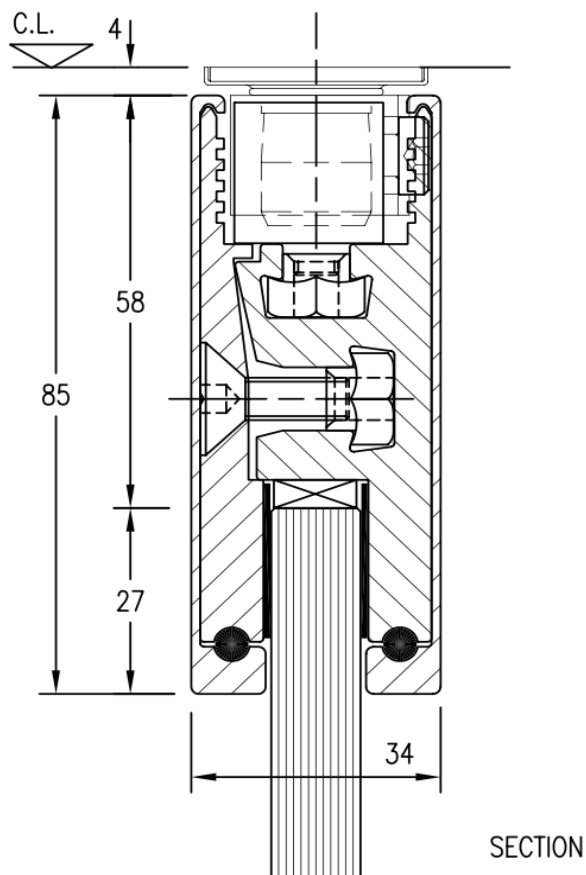
- Aluminium: MILL, SAA
- Stainless: SSS, PSS
- Special finishes on request

TECHNICAL DETAILS

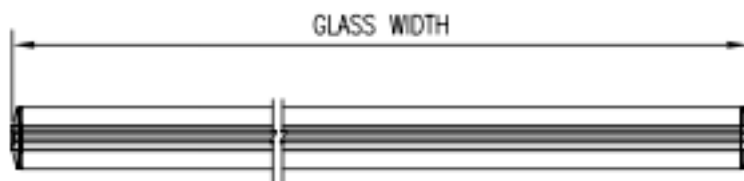
- On-Eazi 85mm high bottom door rail complete with door lock (DC590) to suit automatic or manual sliding doors.
- Specify lock operation either single cylinder, double cylinder or cylinder and turn
- Specify glass thickness 10, 12, 15 or 19mm
- Alternative rail cover heights on application
- Illustrated with CD03 internal roller guide

INSITU APPLICATION

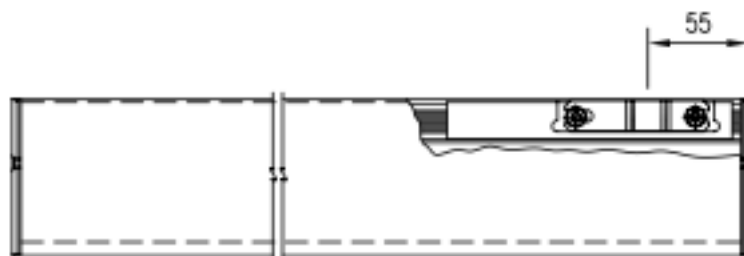


CDS43 Door Rail

DETAIL



PLAN



ELEVATION

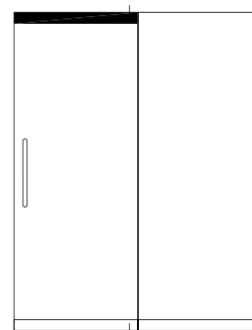
AVAILABLE FINISHES

- Aluminium: MILL, SAA
- Stainless: SSS, PSS
- Special finishes on request

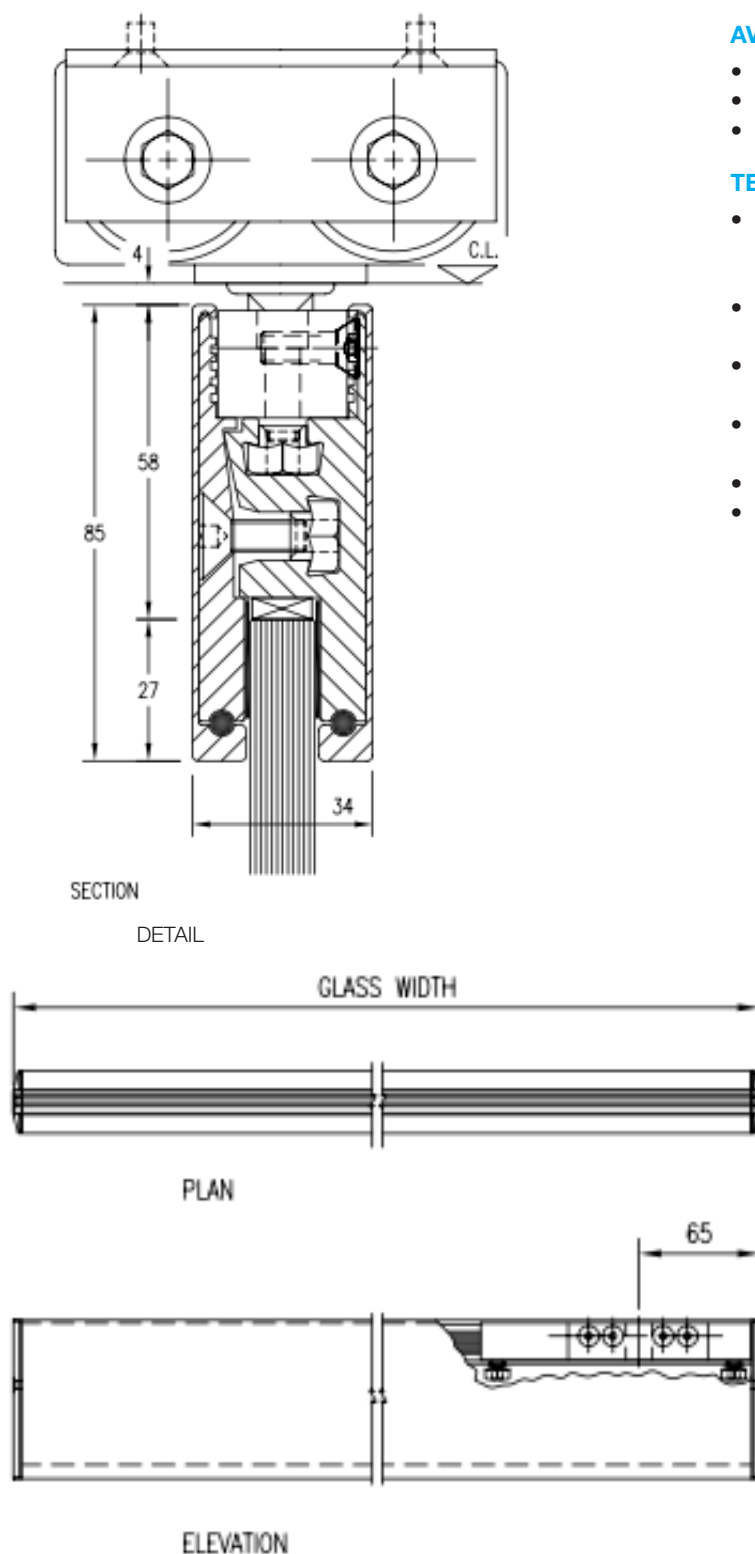
TECHNICAL DETAILS

- On-Eazi 85mm high top door rail complete with side load adaptor to suit CD58 15mm diameter top pivot
- Adjustable pivot point set at 55mm or specify as required
- Specify glass thickness 10, 12, 15 or 19mm
- Alternative rail cover heights on application
- Illustrated with CD58 top pivot

INSITU APPLICATION



CDS43RTS Door Rail



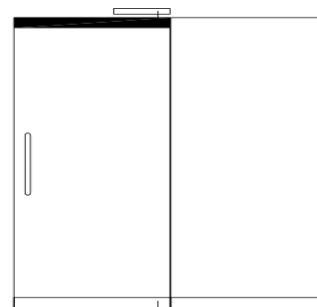
AVAILABLE FINISHES

- Aluminium: MILL, SAA
- Stainless: SSS, PSS
- Special finishes on request

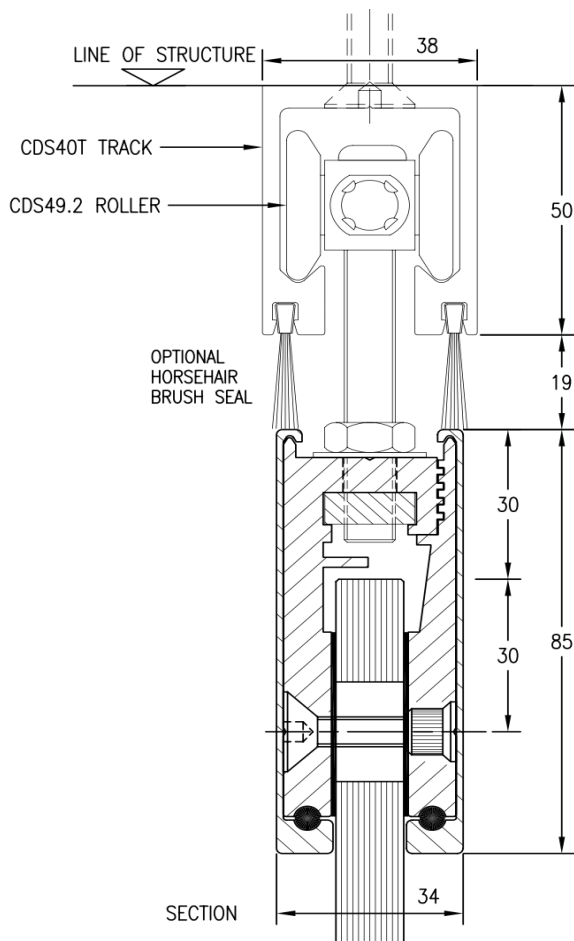
TECHNICAL DETAILS

- On-Eazi 85mm tap door rail complete with side load RTS top adaptor to suit RTS85 transom closers
- Adjustable pivot point set at 65mm or specify as required
- Specify glass thickness 10, 12, 15 or 19mm
- Alternative rail cover heights on application
- Illustrated with RTS85 transom closer
- NOTE: when ordering bottom rail to suit specify 65mm pivot point

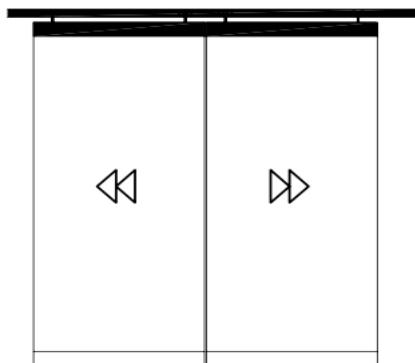
INSITU APPLICATION



CDS43S Door Rail



INSITU APPLICATION

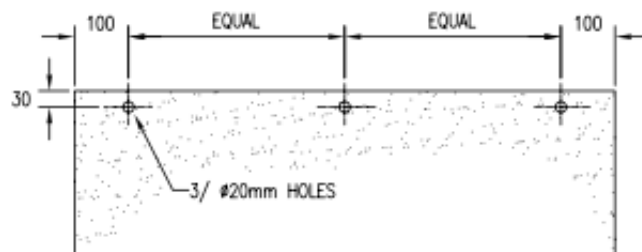


AVAILABLE FINISHES

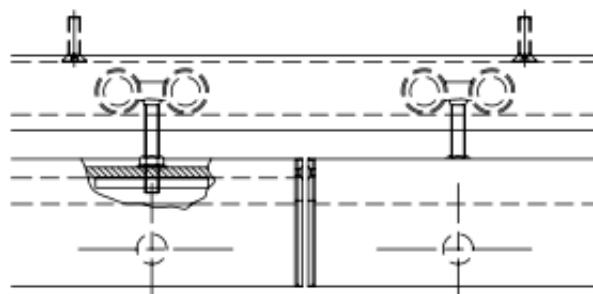
- Aluminium: MILL, SAA
- Stainless: SSS, PSS
- Special finishes on request

TECHNICAL DETAILS

- On-Eazi 85mm high bolt through top door rail to suit most automatic or manual sliding door systems
- Specify glass thickness 10, 12, 15 or 19mm
- Alternative rail cover heights on application
- Illustrated with CDS40T and CDS49.2 roller

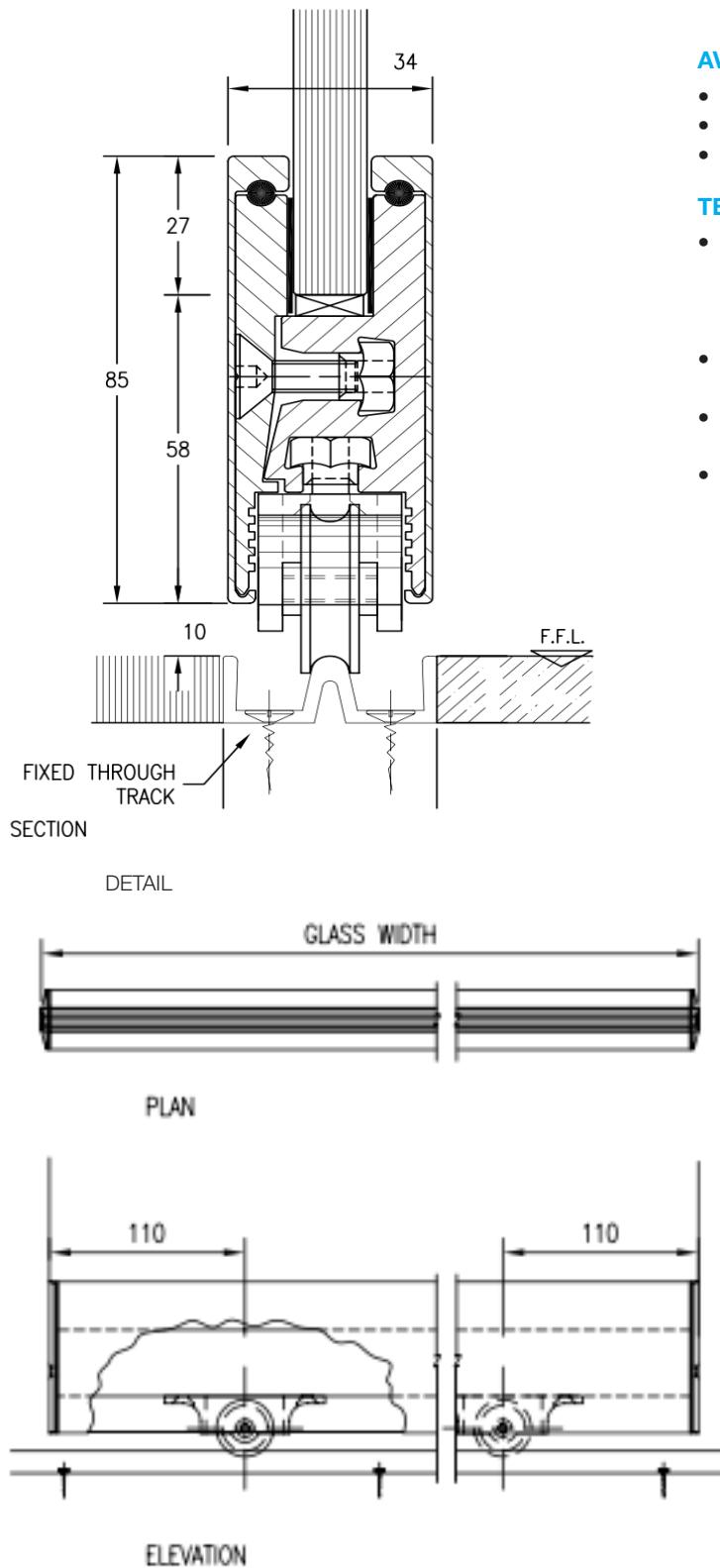


GLASS PREPARATION



ELEVATION

CDS41B/S Door Rail



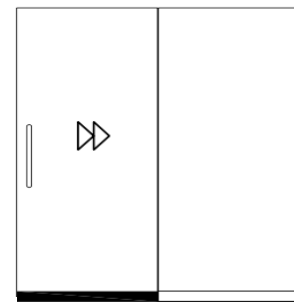
AVAILABLE FINISHES

- Aluminium: MILL, SAA
- Stainless: SSS, PSS
- Special finishes on request

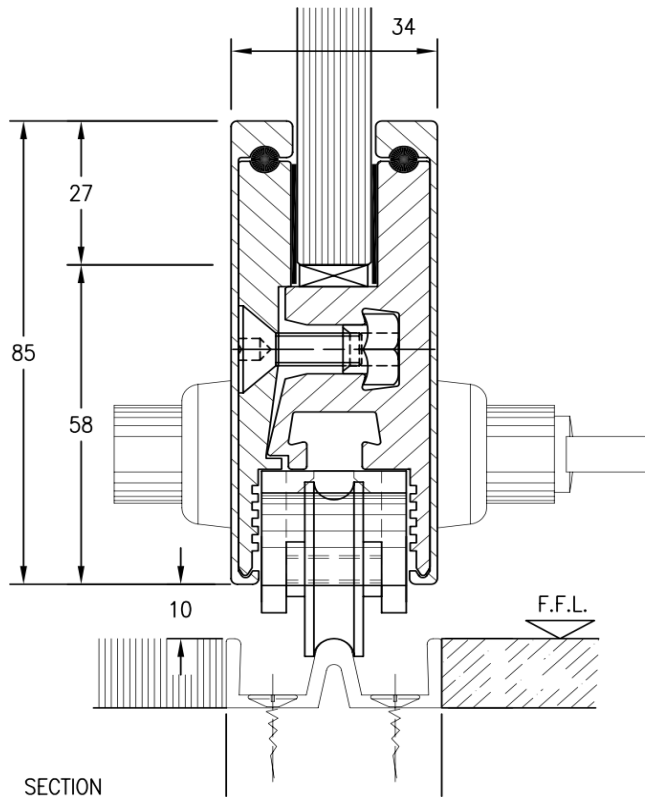
TECHNICAL DETAILS

- On-Eazi 85mm high bottom door rail complete with heavy duty rollers to suit CDS50 floor mounted sliding brass track, ILLUSTRATED
- Specify glass thickness 10, 12, 15 or 19mm
- Alternative rail cover heights on application
- Max door weight: 150kgs

INSITU APPLICATION



CDS42B/S Door Rail



SECTION

DETAIL

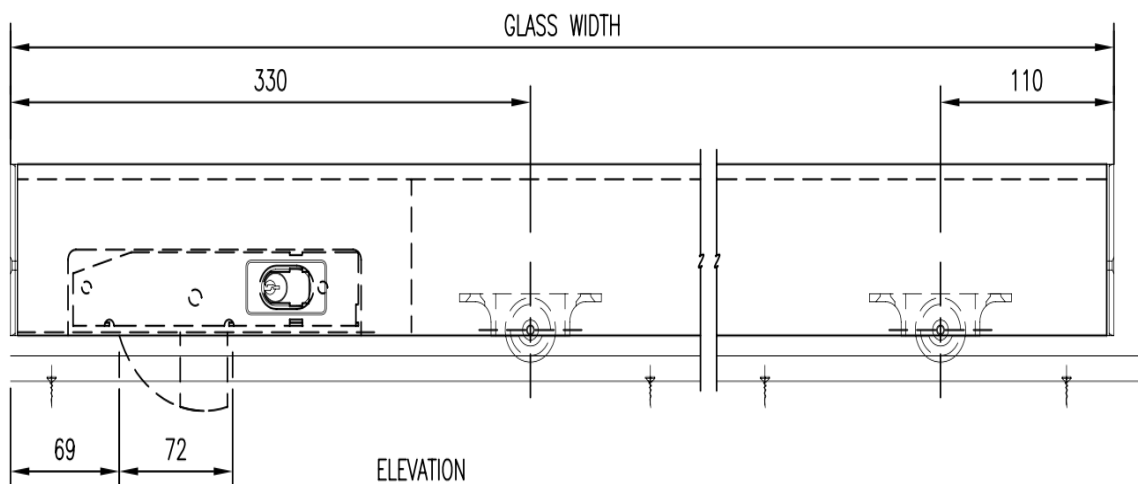
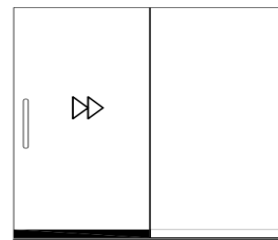
AVAILABLE FINISHES

- Aluminium: MILL, SAA
- Stainless: SSS, PSS
- Special finishes on request

TECHNICAL DETAILS

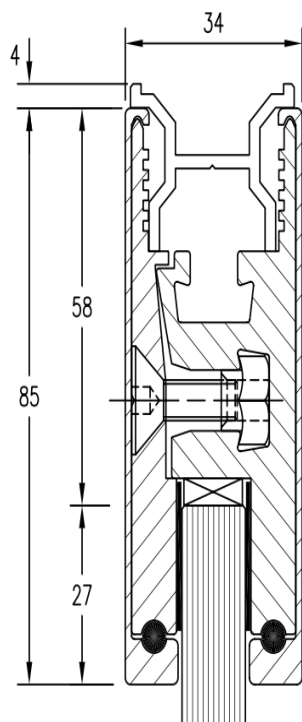
- On-Eazi 85mm high bottom door rail complete with heavy duty rollers and door lock (DC590) to suit CDS50 floor mounted sliding brass track, ILLUSTRATED
- Specify glass thickness 10, 12, 15 or 19mm
- Alternative rail cover heights on application
- NOTE: minimum door width recommended 1000mm
- Max door weight: 150kgs

INSITU APPLICATION

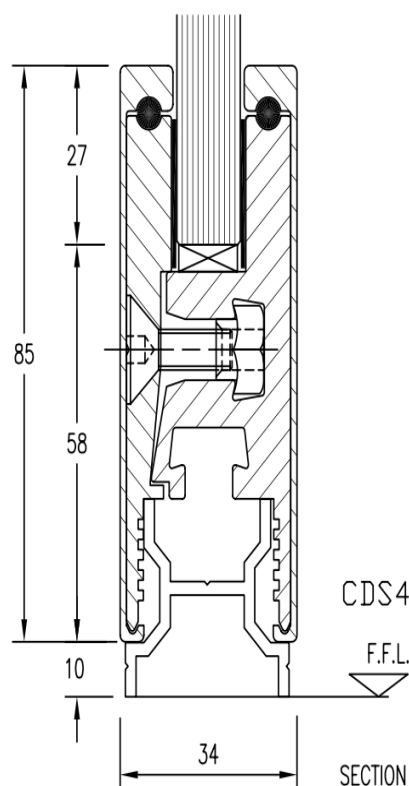


ELEVATION

CDS47/48 Door Rail



CDS48 TOP



CDS47 BOTTOM

SECTION

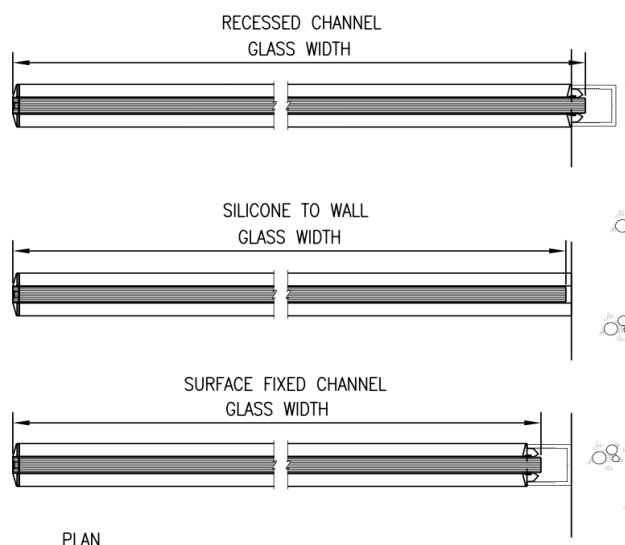
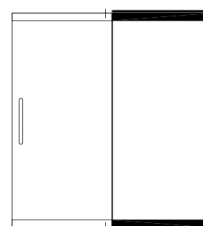
AVAILABLE FINISHES

- Aluminium: MILL, SAA
- Stainless: SSS, PSS
- Special finishes on request

TECHNICAL DETAILS

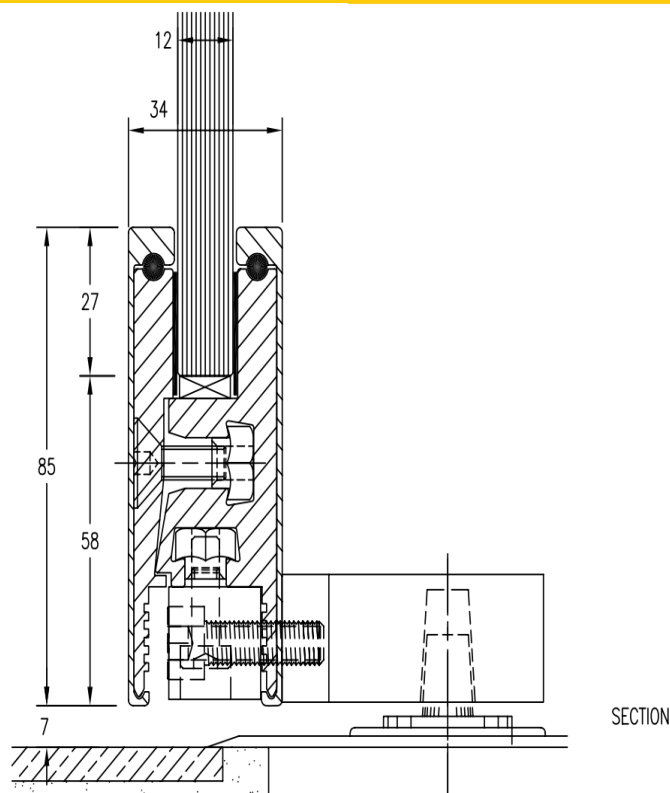
- On-Eazi 85mm high side light rail complete with 4/10mm filler section to suit side light installation, ILLUSTRATED
- Specify glass thickness 10, 12, 15 or 19mm
- Alternative rail cover heights on application
- Specify one or two end caps as required
- Specify CDS47 for bottom side light rail
- Specify CDS48 for top side light rail

INSITU APPLICATION



PLAN

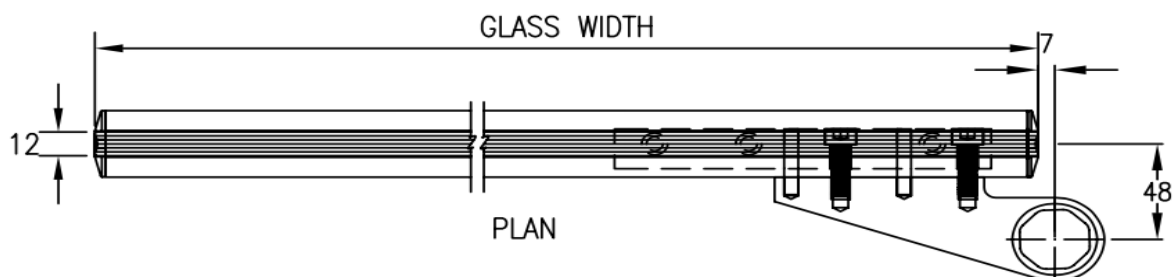
CDS41DL/R Door Rail



DETAIL



ELEVATION



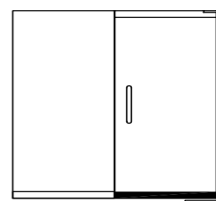
AVAILABLE FINISHES

- Aluminium: MILL, SAA
- Stainless: SSS, PSS
- Special finishes on request

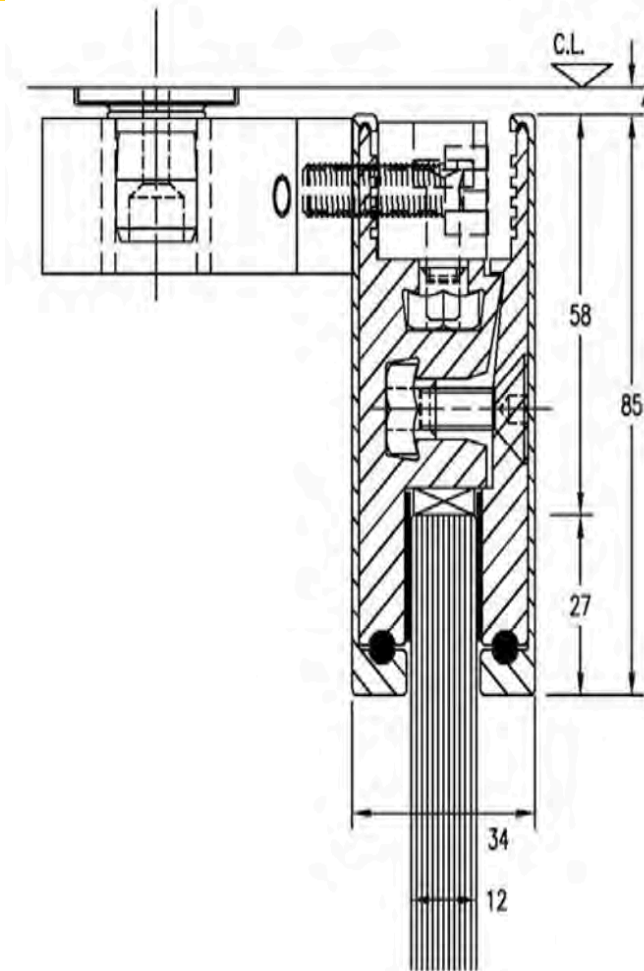
TECHNICAL DETAILS

- On-Eazi 85mm high bottom door rail complete with offset pivot assembly to suit BTS floor springs and floor pivots
- Specify glass thickness 10, 12, 15 or 19mm. NB 12mm illustrated
- Alternative rail cover heights on application
- Specify L/R for handing (RIGHT HAND DRAWN)
- Max door weight: 100kgs
- NOTE: Offset pivot assembly finished in SAA and SSS
- Illustrated with a BTS floor spring

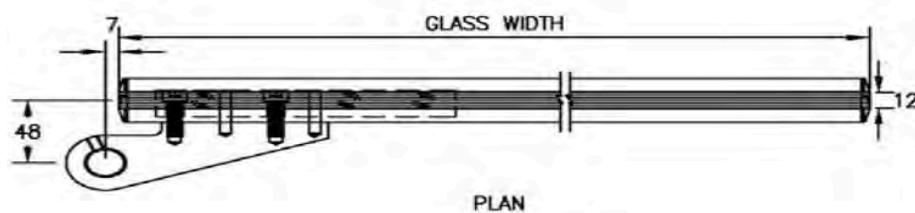
INSITU APPLICATION



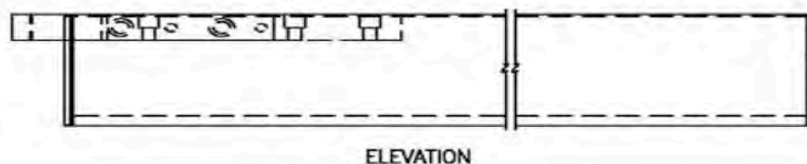
CDS43DL/R Door Rail



DETAIL



PLAN



ELEVATION

AVAILABLE FINISHES

- Aluminium: MILL, SAA
- Stainless: SSS, PSS
- Special finishes on request

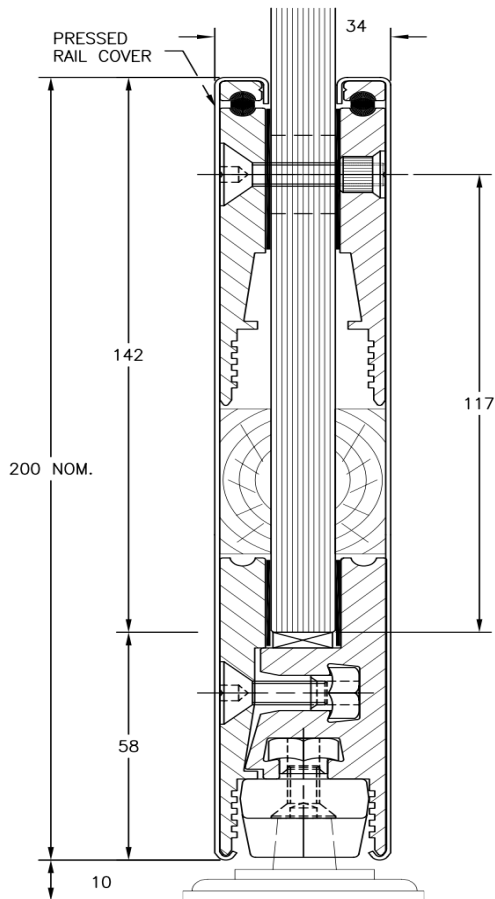
TECHNICAL DETAILS

- On-Eazi 85mm high tap door rail complete with offset pivot assembly to suit CD58 offset top pivot, ILLUSTRATED
- Alternate frame portion pivots refer 339.1,2 and 3
- Specify glass thickness 10, 12, 15 or 19mm. NB 12mm illustrated
- Alternative rail cover heights on application
- Specify L/R for handing (LEFT HAND DRAWN)
- Max door weight: 100kgs
- NOTE: Offset pivot assembly finished in SAA and SSS

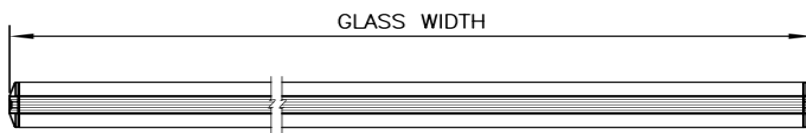
INSITU APPLICATION



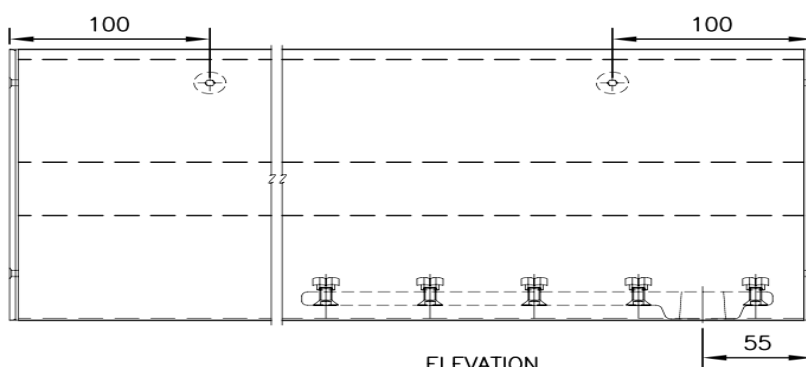
CDS41V Door Rail



DETAIL



PLAN



ELEVATION

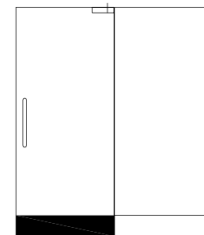
AVAILABLE FINISHES

- Aluminium: MILL, SAA
- Stainless: SSS, PSS
- Special finishes on request

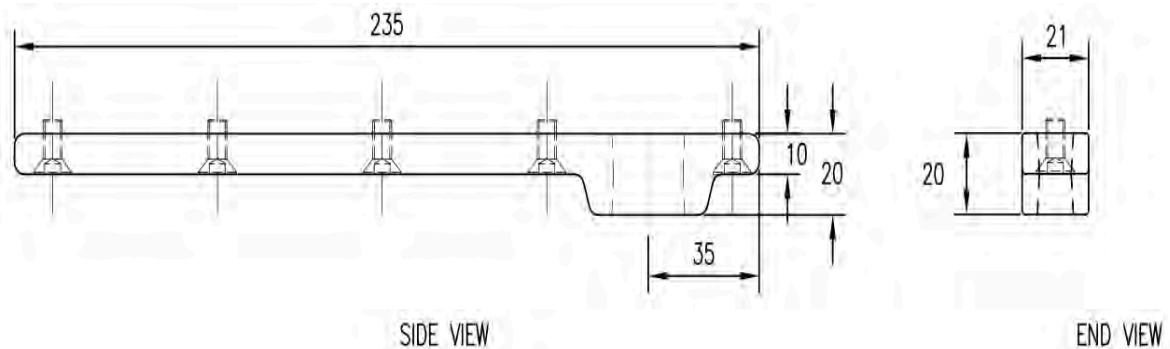
TECHNICAL DETAILS

- 200mm (Nominal) high bottom or top rail
- Finishes: available to suit floor springs or transom closers or sliding mechanisms
- Specify height of rail, minimum 150mm maximum 400mm
- Specify glass thickness 10, 12 or 15mm
- Specify fittings required including pivots and locks
- Note: Glass preparation drawings, on request
- Illustrated with CD355 floor pivot

INSITU APPLICATION



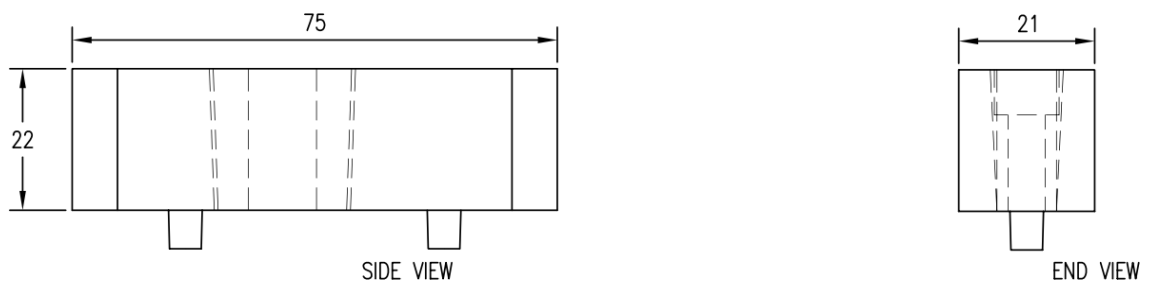
7421.4 Univeral Bottom Strap Pack



TECHNICAL DETAILS

- Universal bottom strap pack to suit universal rail and floor spring or pivot bearing

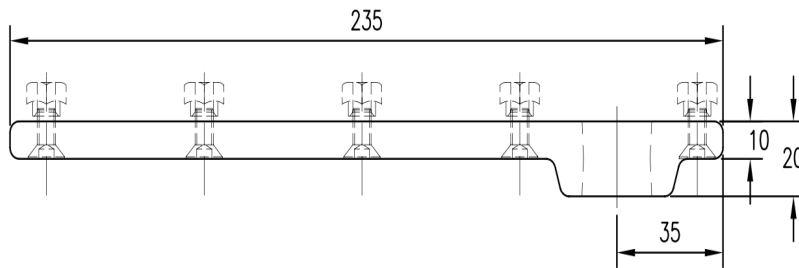
355.1 Univeral Bottom Rail Pivot Insert



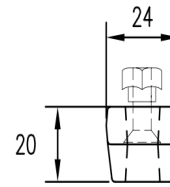
TECHNICAL DETAILS

- Universal bottom rail pivot insert to suit floor spring or floor pivot bearing

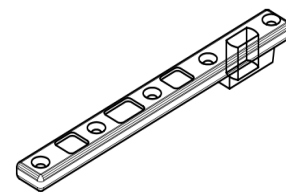
7421 Bottom Rail Strap



SIDE VIEW



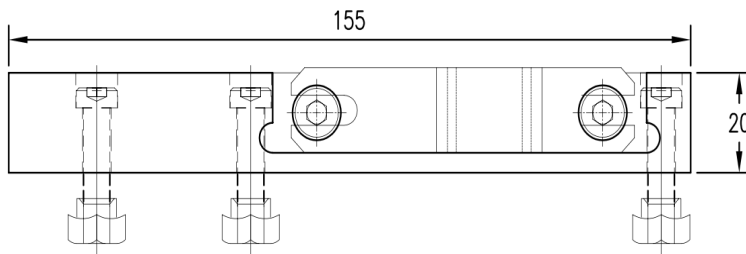
END VIEW



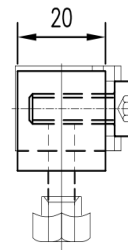
TECHNICAL DETAILS

- On-Eazi bottom rail strap to suit floor spring or pivot bearing

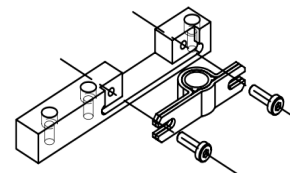
CDS40.4 Bottom Rail Strap



SIDE VIEW



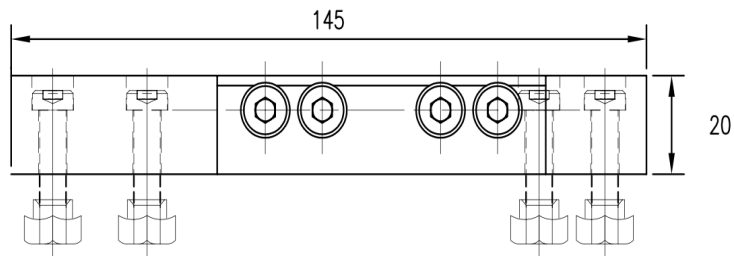
END VIEW



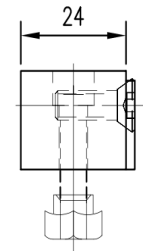
TECHNICAL DETAILS

- On-Eazi bottom rail strap to suit floor spring or pivot bearing

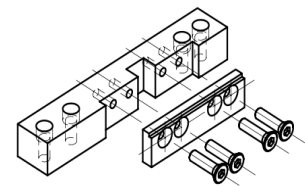
CDS40.6RTS Top Adaptor



SIDE VIEW



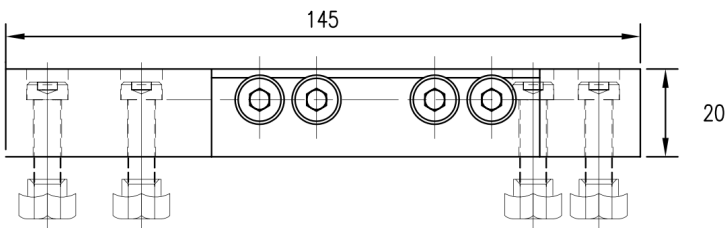
END VIEW



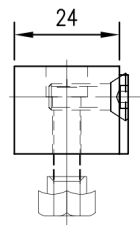
TECHNICAL DETAILS

- On-Eazi top adaptor to suit RTS transom closer

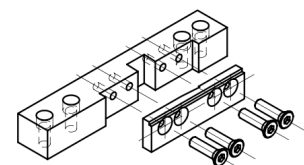
CDS40.6RTS L/R Top Adaptor L/R



SIDE VIEW



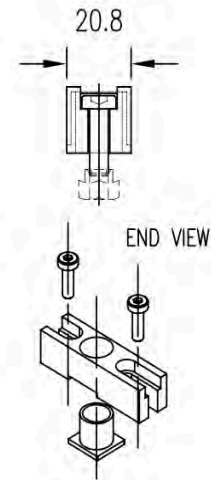
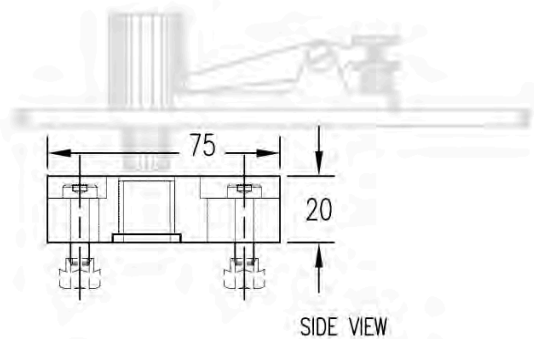
END VIEW



TECHNICAL DETAILS

- On-Eazi top adaptor to suit RTS transom closer including 3 deg. offset
- Specify LH or RH

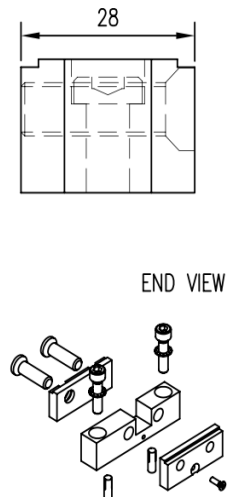
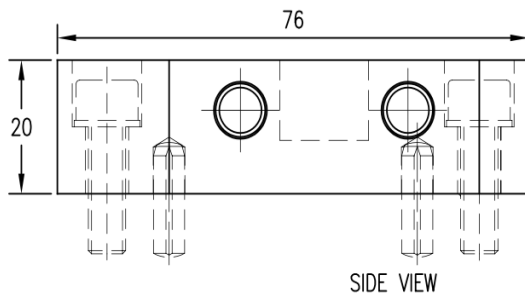
355.0 Universal Top Rail Pivot Insert



TECHNICAL DETAILS

- Universal top rail pivot insert to suit walking beam pivot (Illustrated)

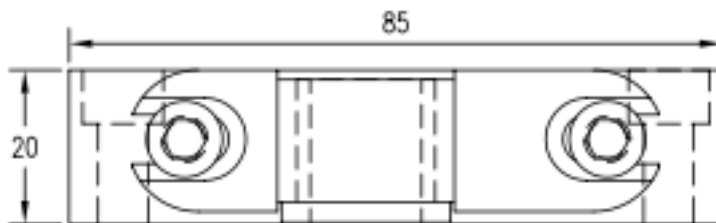
355.4 Universal Top RTS Rail Insert



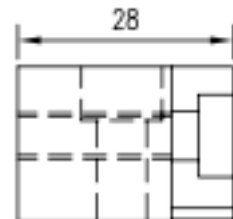
TECHNICAL DETAILS

- Universal top rail insert to suit RTS85 transom closer

355.9 Universal Top Rail Side Load Pivot Insert



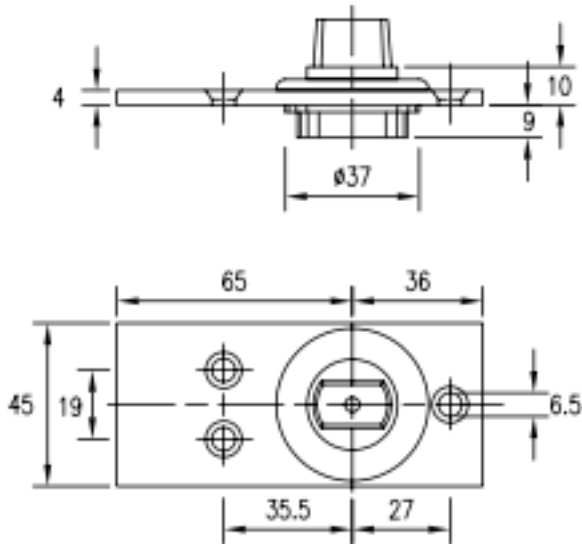
SIDE VIEW



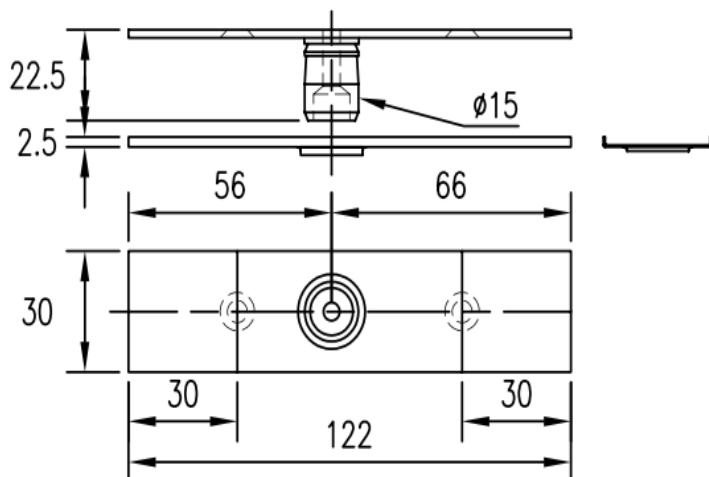
END VIEW

TECHNICAL DETAILS

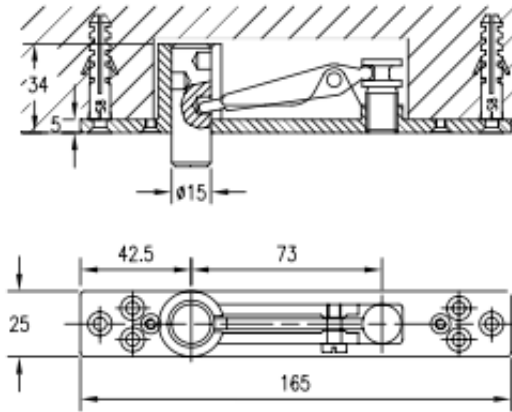
- Universal top rail side load pivot insert to suit CD58

CD355 Floor Pivot Bearing with 2.5mm Extension**TECHNICAL DETAILS**

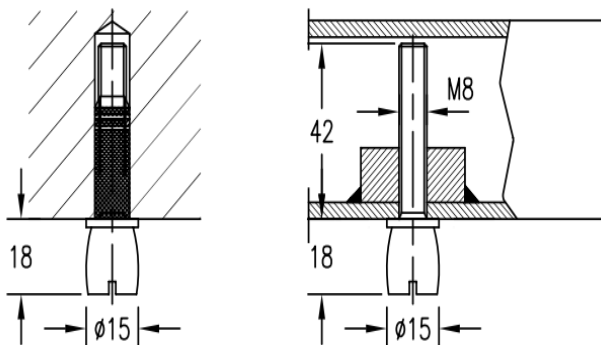
- Floor pivot bearing with 2.5mm extension
- Door weight - 110kg with RTS Closer
- Door weight - 200kg with free pivot

CD58 15mm Uper Pivot Assembly with Cover**TECHNICAL DETAILS**

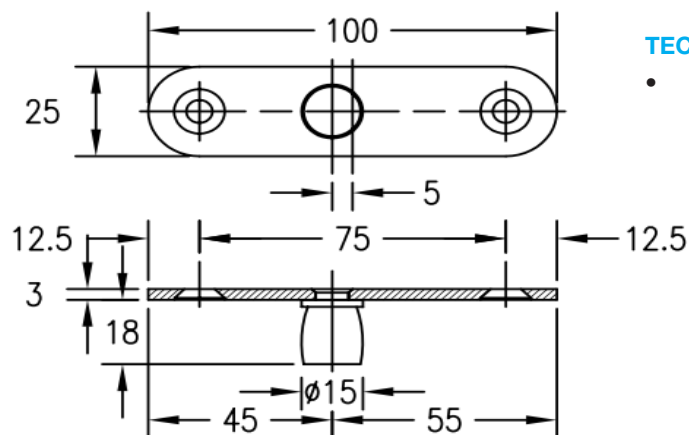
- 15mm upper pivot assembly with cover

8066U Wind down 15mm Upper Pivot Assembly**TECHNICAL DETAILS**

- Wind down 15mm upper pivot assembly

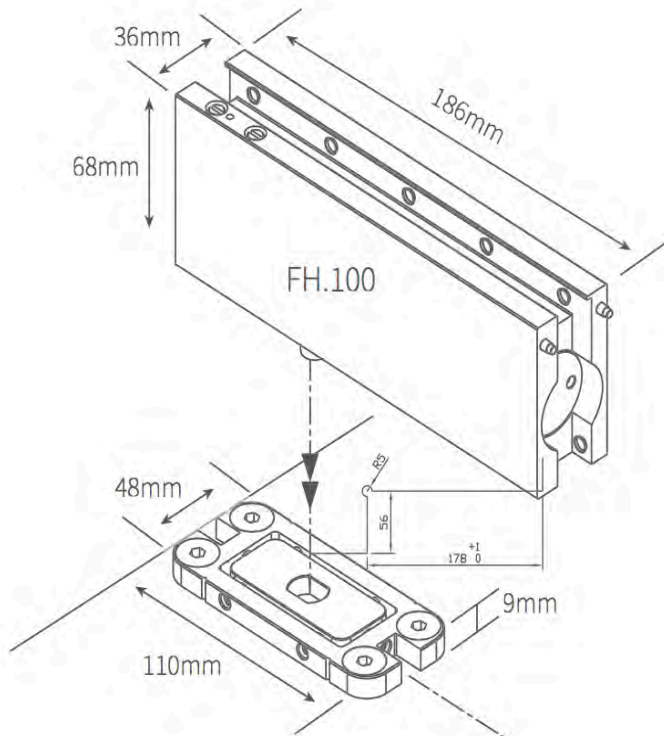
PT25 M8 Threaded 15mm Upper Pivot**TECHNICAL DETAILS**

- M8 threaded 15mm upper pivot

PT24 Fixed Plate 15mm Top Pivot**TECHNICAL DETAILS**

- Fixed plate 15mm upper pivot assembly

FH100.HO / FH100.NH0 Ozone Hydraulic Patch Fitting Self Closing



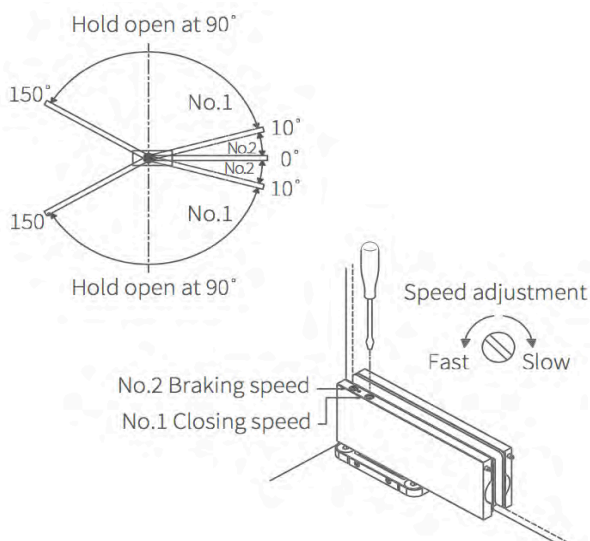
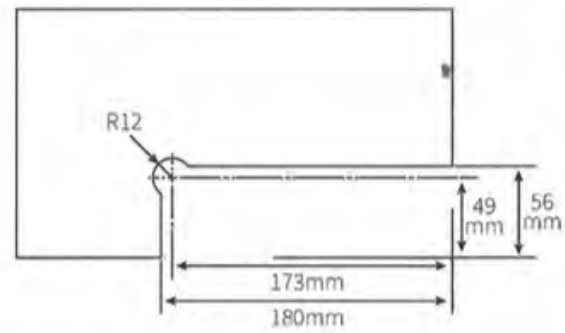
AVAILABLE FINISHES

- 316 polished or satin stainless steel

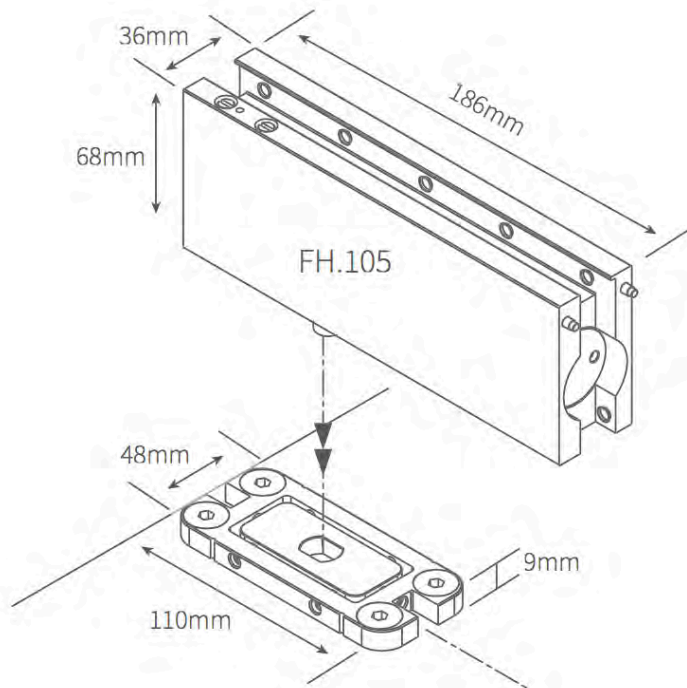
TECHNICAL DETAILS

- FH100.H0 (90 degree hold open)
- FH100.NH0 (non-hold open)
- Ozone hydraulic patch fitting self closing 90 degree hold open
- Floor mounted patch fitting for internal frameless glass doors up to 1 metre wide
- Maximum door width 1 metre (12mm clearance to floor)
- Maximum door weight 100kg
- Simple installation with four screw fixings into any floor
- Adjustable base plate for easy alignment of the door in either direction (as shown in diagram)
- Use in conjunction with standard HP20 top patch fitting (two speed closing adjustment as shown)
- Single or double action doors
- Toughened frameless glass doors from 8mm-12mm glass thickness

GLASS CUT OUT DETAIL



FH105.HO / FH105.NHO Ozone Hydraulic Patch Fitting High Strength Self Closing

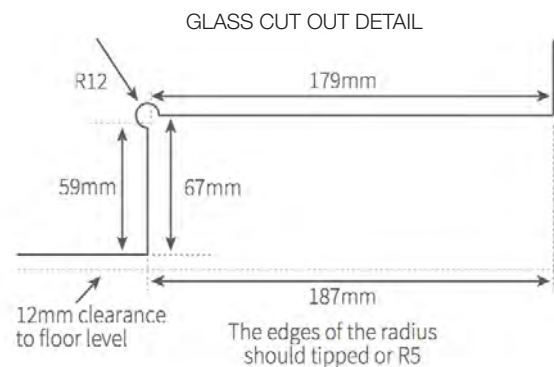
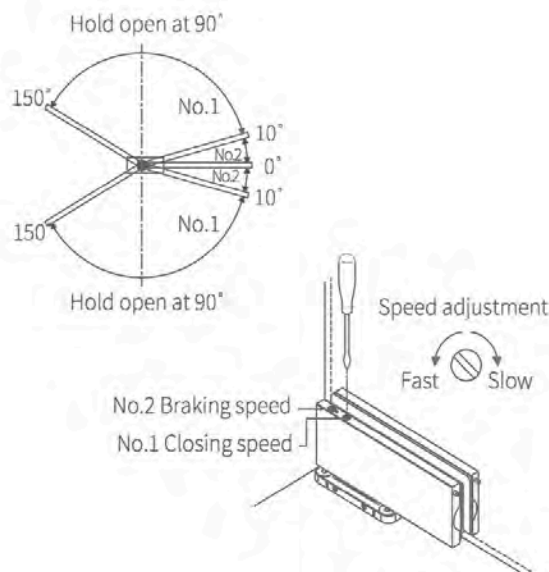


AVAILABLE FINISHES

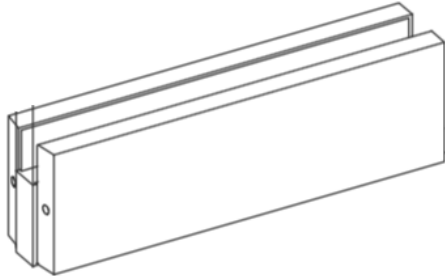
- 316 polished or satin stainless steel

TECHNICAL DETAILS

- FH100.H0 (90 degree hold open)
- FH100.NH0 (non-hold open)
- Ozone hydrolic patch fitting high strength self closing
- Maximum door width: internal 1.25 metres, external 1 metre (12mm clearance to floor)
- Maximum door weight 100kg
- Simple installation with four screw fixings into any floor
- Adjustable base plate for easy alignment of the door in either direction
- Used in conjunction with standard HP20 top patch fitting (two speed closing adjustment as shown)
- Suitable for internal and external
- Single or double action doors
- Toughened frameless glass doors from 10mm-15mm thick



KT-10 / KT-10C / KT-12 Bottom Patch Corner Fix



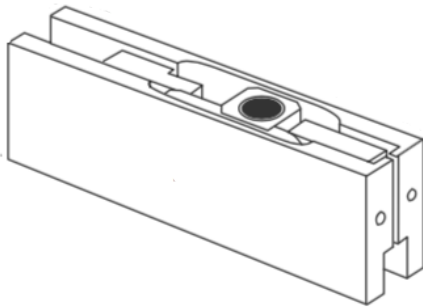
AVAILABLE FINISHES

- Mirror
- Satin

TECHNICAL DETAILS

- KT-10: Bottom patch - corner fix - accepts standard tapered floor spring spindle
- KT-10C: Bottom patch - centre fix - accepts standard tapered floor spring spindle
- KT-12: Bottom patch - corner fix - accepts tapered spindle 65mm offset. Use with KT-22
- All patch fittings are available as standard for 10 or 12mm thick glass - Please specify

KT-20 / KT-20C Top Patch Corner Fix



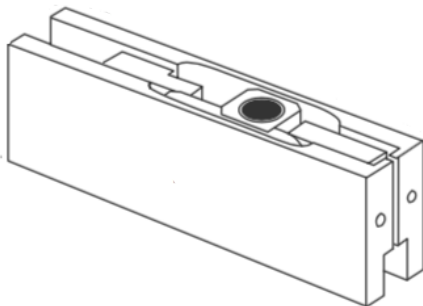
AVAILABLE FINISHES

- Mirror
- Satin

TECHNICAL DETAILS

- KT-20: Top patch - corner fix - accepts standard 15mm pivot
- KT-20C: Top patch - centre fix - accepts standard 15mm pivot
- All patch fittings are available as standard for 10 or 12mm thick glass - Please specify

KT-22 / KT-22C Top Patch for Concealed Overhead Door Closer

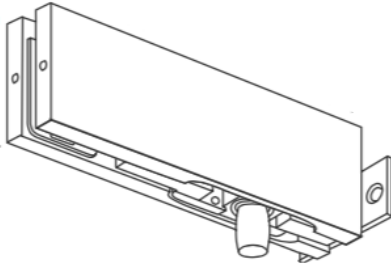


AVAILABLE FINISHES

- Mirror
- Satin

TECHNICAL DETAILS

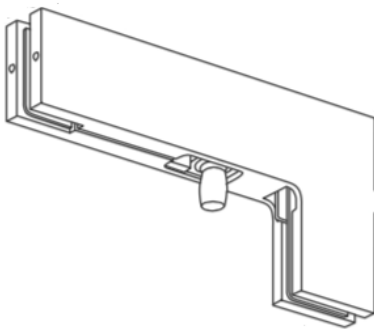
- KT-22: Top patch fitting for concealed overhead door closer - corner fix
- KT-22C: Top patch fitting for concealed overhead door closer - centre mount
- All patch fittings are available as standard for 10 or 12mm thick glass - Please specify

KT-30 / KT-30C / KT-30P / KT30PB Overpanel Pivot Patch**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- KT-30: Overpanel 15mm pivot patch fitting - corner fix
- KT-30C: Overpanel 15mm pivot patch fitting - centre mount
- KT-30P: Overpanel 15mm pivot patch fitting - plate fix
- KT-30PB: Overpanel patch fitting - plate fix - blanked off
- All patch fittings are available as standard for 10 or 12mm thick glass - Please specify

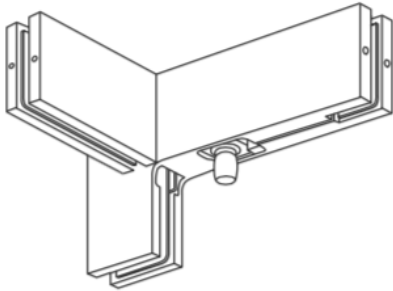
KT-40 / KT-40B / KT-40K / KT40S Overpanel to Sidepanel**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- KT-40: Overpanel to side panel patch fitting - 15mm pivot
- KT-40B: Overpanel to side panel patch fitting - blanked off
- KT-40K: Overpanel to side panel patch fitting with keeper for FL50
- KT-40S: Overpanel to side panel patch fitting - heavy duty stop
- All patch fittings are available as standard for 10 or 12mm thick glass - Please specify

KT-41L / KT41R Overpanel to Side Panel Patch Fitting



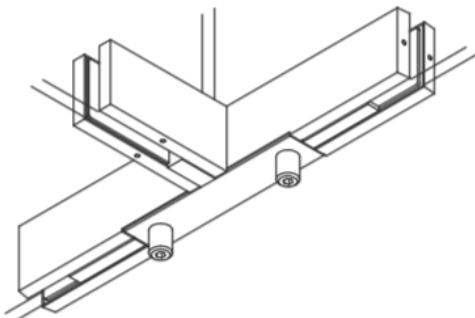
AVAILABLE FINISHES

- Mirror
- Satin

TECHNICAL DETAILS

- KT-41L: Overpanel to side panel patch fitting - 15mm pivot c/w fin fitting
- KT-41R: Overpanel to side panel patch fitting - 15mm pivot c/w fin fitting
- All patch fittings are available as standard for 10 or 12mm thick glass - Please specify
- Patch fittings and patch locks not suitable for laminated glass
- Locks available as lock / lock or lock / tum
- Locks should be ordered as keyed alike or keyed randomly

KT-51 Twin 15mm Pivot Transom Patch with Fin Fitting

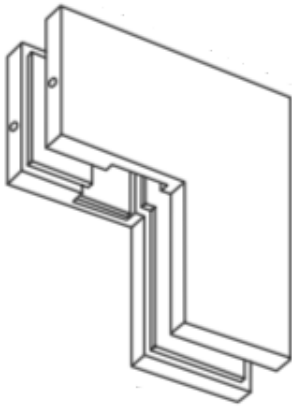


AVAILABLE FINISHES

- Mirror
- Satin

TECHNICAL DETAILS

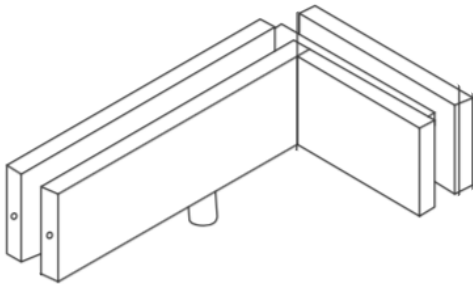
- KT-51: Twin 15mm pivot transom patch with fin fitting
- All patch fittings are available as standard for 10 or 12mm thick glass - Please specify
- Patch fittings and patch locks not suitable for laminated glass
- Locks available as lock / lock or lock / tum
- Locks should be ordered as keyed alike or keyed randomly

KT-60 / KT60S Overpanel to Side Panel Corner Patch**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- KT-60: Overpanel to side panel corner patch
- KT-60S: Overpanel to side panel corner patch with light duty stop
- All patch fittings are available as standard for 10 or 12mm thick glass - Please specify
- Patch fittings and patch locks not suitable for laminated glass
- Locks available as lock / lock or lock / turn
- Locks should be ordered as keyed alike or keyed randomly

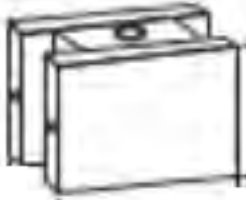
KT-61L / KT-61R Transom to 90 degree Sidelight Patch**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- KT-61L: Transom to 90 degree sidelight patch - 15mm pivot
- KT-61R: Transom to 90 degree sidelight patch - 15mm pivot
- All patch fittings are available as standard for 10 or 12mm thick glass - Please specify
- Patch fittings and patch locks not suitable for laminated glass
- Locks available as lock / lock or lock / turn
- Locks should be ordered as keyed alike or keyed randomly

KT-67 Wall Connection Bracing Patch



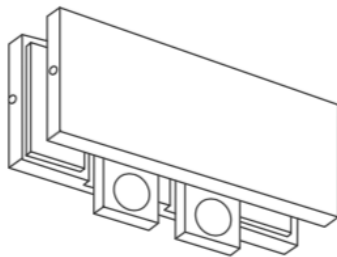
AVAILABLE FINISHES

- Mirror
- Satin

TECHNICAL DETAILS

- KT-67: Wall connection bracing patch 70 x 50mm
- All patch fittings are available as standard for 10 or 12mm thick glass - Please specify
- Patch fittings and patch locks not suitable for laminated glass
- Locks available as lock / lock or lock / turn
- Locks should be ordered as keyed alike or keyed randomly

KT-70S Highlight Light Duty Stop Patch

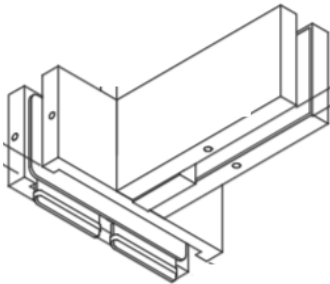


AVAILABLE FINISHES

- Mirror
- Satin

TECHNICAL DETAILS

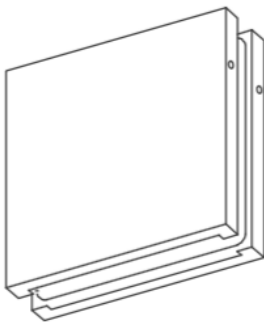
- KT-70S: Highlight light duty stop patch
- All patch fittings are available as standard for 10 or 12mm thick glass - Please specify
- Patch fittings and patch locks not suitable for laminated glass
- Locks available as lock / lock or lock / turn
- Locks should be ordered as keyed alike or keyed randomly

KT-71 2 Panel Link Patch with Bracket for Fin**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

- KT-71: 2 panel link patch with bracket for fin
- All patch fittings are available as standard for 10 or 12mm thick glass - Please specify
- Patch fittings and patch locks not suitable for laminated glass
- Locks available as lock / lock or lock / turn
- Locks should be ordered as keyed alike or keyed randomly

KT-80 4 Panel Link Patch**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

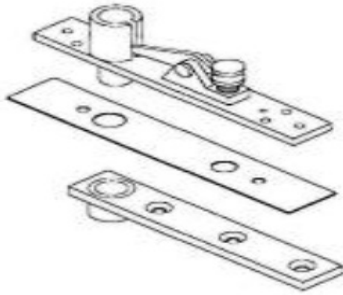
- KT-80: 4 panel link patch
- All patch fittings are available as standard for 10 or 12mm thick glass - Please specify
- Patch fittings and patch locks not suitable for laminated glass
- Locks available as lock / lock or lock / turn
- Locks should be ordered as keyed alike or keyed randomly

KT-81 4 Panel Link Patch with Bracket for Fin**AVAILABLE FINISHES**

- Mirror
- Satin

TECHNICAL DETAILS

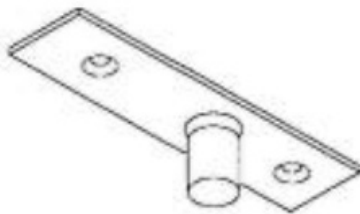
- KT-81 4 panel link patch with bracket for fin
- All patch fittings are available as standard for 10 or 12mm thick glass - Please specify
- Patch fittings and patch locks not suitable for laminated glass
- Locks available as lock / lock or lock / turn
- Locks should be ordered as keyed alike or keyed randomly

AT-110 Top Centre with 15mm Pivot**AVAILABLE FINISHES**

- Stainless coverplate

TECHNICAL DETAILS

- Top centre with 15mm pivot - aluminium and wooden door c/w

AT-141 15mm Top Pivot Surface Mounted**AVAILABLE FINISHES**

- Satin stainless

TECHNICAL DETAILS

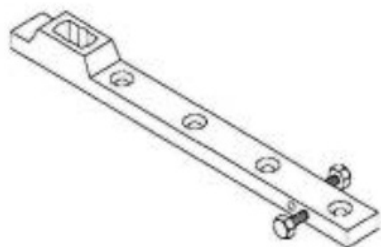
- 15mm top pivot surface mounted

AT-151 15mm Pivot with M8 Threaded Rod**AVAILABLE FINISHES**

- Satin stainless

TECHNICAL DETAILS

- 15mm pivot with M8 threaded rod

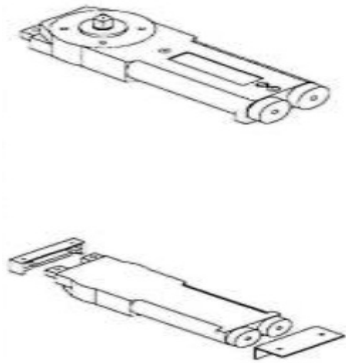
AT-170 Door Arm for Floor Spring / Tapered Spindle**AVAILABLE FINISHES**

- Satin stainless

TECHNICAL DETAILS

- Door arm for floor spring / tapered spindle

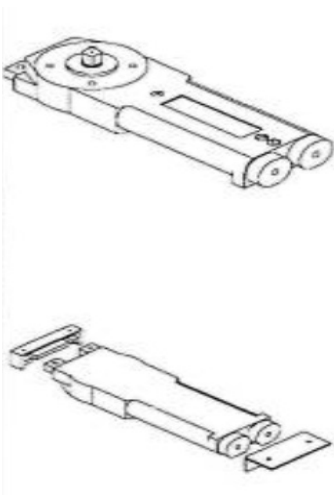
OC35 VVP Concealed Overhead Closer - Double Action Springs Opening Range 0 to 130 degrees



TECHNICAL DETAILS

- OC-35-10-HO: 10Nm (light spring) overhead concealed closer 90 degree HO
- OC-35-10-nonHO: 10Nm (light spring) overhead concealed closer non hold open
- OC-35-15-HO: 15Nm (med spring) overhead concealed closer 90 degree HO
- OC-35-15-nonHO: 15Nm (med spring) overhead concealed closer non hold open
- OC-35-20-HO: 20Nm (strong spring) overhead concealed closer 90 degree HO
- OC-35-20-nonHO: 20Nm (strong spring) overhead concealed closer non hold open
- Overhead concealed closers come standard with mounting brackets to mount closer to frame

OC86 COC with 20mm Long Spindle for use with KT-22 Patch Fittings



TECHNICAL DETAILS

- OC-86-90HO-20mm: 15Nm (light spring) overhead concealed closer, spindle height 20mm, 90 deg HO
- OC-86-15-nonHO-20mm: 15Nm (light spring) overhead concealed closer, spindle height 20mm, non hold open
- OC-86-20-90HO-20mm: 20Nm (med spring) overhead concealed closer, spindle height 20mm, 90 deg HO
- OC-86-20-nonHO-20mm: 20Nm (med spring) overhead concealed closer, spindle height 20mm, non hold open
- OC-86-28-90HO-20mm: 28Nm (strong spring) overhead concealed closer, spindle height 20mm, 90 deg HO
- OC-86-28-nonHO-20mm: 28Nm (strong spring) overhead concealed closer, spindle height 20mm, non hold open
- Overhead concealed closers come standard with mounting brackets to mount closer to frame

COC Accessories



TECHNICAL DETAILS

- OC-acc-kit-AD5: Aluminium and wooden door accessory kit for overhead closer - when purchased with overhead close
- The kit can only be purchased in conjunction with a floor closer.
- Maximum one kit per overhead closer

YDG313L Digi-Lock Digital Smart Pad Lock



FRONT

BACK

Introducing a very smart glass door lock...
the preferred solution to secure your home or office.

The numbered keypad appears on the mirror screen when touched.

FEATURES

- A simple solution for locking pivot doors
- Quick and easy installation
- Smartpad touch screen with optional card key
- Multi-featured
- Battery operated, including a 9 volt emergency battery back-up
- Automatic locking

APPLICATIONS

- For internal or external doors
- Residential or commercial applications
- Suits both single and double doors

AVAILABLE FINISHES

- Polished mirror

TECHNICAL DETAILS

- No hole or glass cut-out required
- Dual access, either by card or by smart pad screen. Multiple cards can be enabled
- Suits 10mm or 12mm toughened safety glass
- 4x AA batteries will last up to one year
- Used in conjunction with standard Euroglass pivot door fittings
- Strike plate for door jambs available on request

YDG313K Digital Lock Glass Keeper



FRONT

BACK

AVAILABLE FINISHES

- Polished mirror

TECHNICAL DETAILS

- No holes or notches required in glass
- Fits existing doors with minimum 3mm clearance
- Fitted with high bond tape
- Suitable for 10mm or 12 single or double action glass doors

RCM100 Remote Access Receiver Module



TECHNICAL DETAILS

- Remote access receiver module
- Required component if remote access is required
- Suitable for smart touch lock YDG313L

WRC100 Wall Mountable Remote



TECHNICAL DETAILS

- Lock and unlock function
- Operating range up to 30 metres
- Suitable for use with RCM100 to operate

PRC100 Key Fob Remote



TECHNICAL DETAILS

- Unlock function
- Operating range up to 30 metres
- Suitable for smart touch lock YDG313L

ATS100 Aluminium/Timber Strike Plate



AVAILABLE FINISHES

- 316 Satin stainless steel

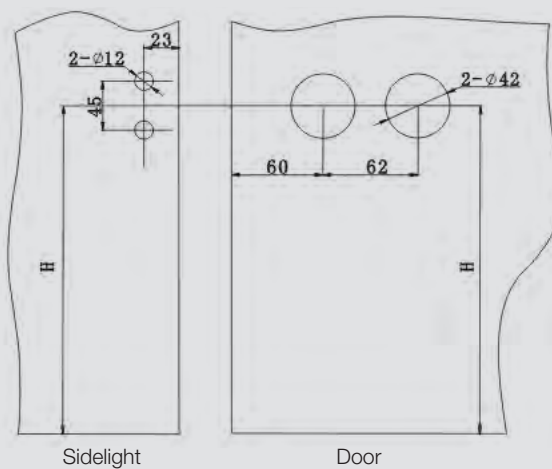
TECHNICAL DETAILS

- Suitable for smart touch lock YDG313L

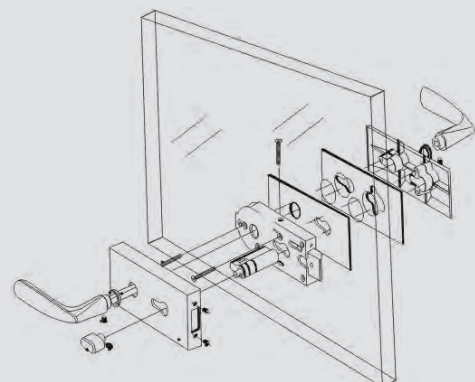
A stylish range of latching lever handles with locks



GLASS CUT-OUT FOR ALL LEVER HANDLE STYLES



LEVER HANDLE TECHNICAL DIAGRAM



LL-01K / LL-01-R2-CC



AVAILABLE FINISHES

- Satin

LL-19K / LL-19-S1



AVAILABLE FINISHES

- Satin

LL-21SP / LL-19-S1-CC



AVAILABLE FINISHES

- Satin

LL-05K / LL-05-R1



AVAILABLE FINISHES

- Satin

LL-05-R1-CC



AVAILABLE FINISHES

- Satin

LA-301 / LA-312K Patch Lock and Patch Keeper



AVAILABLE FINISHES

- Mirror
- Satin

TECHNICAL DETAILS

- LA-301: Patch lock, 210 x 64 series 590 mortice lock with 36mm throw c/w oval cylinders
- LA-312k: Patch keeper, 210 x 64 for LA-301

FT-40 Overpanel to Side Panel Patch Fitting



AVAILABLE FINISHES

- Mirror
- Satin

TECHNICAL DETAILS

- Overpanel to side panel patch fitting
- 15mm pivot

LT-25 / LT-26K Patch Lock and Patch Keeper



AVAILABLE FINISHES

- Mirror
- Satin

TECHNICAL DETAILS

- Patch lock series T-25
- Patch keeper for LT-25

LT-50 Patch Lock - Corner Fix



AVAILABLE FINISHES

- Mirror
- Satin

TECHNICAL DETAILS

- Patch lock - corner fix, euro cylinder.
- Rectangular bolt and keeper

LT-51 Patch Lock - Corner Fix



AVAILABLE FINISHES

- Mirror
- Satin

TECHNICAL DETAILS

- Patch lock - corner fix series Tc51
- Euro cylinder
- 15mm bolt

LT-52 / LT-53K Patch Lock and Patch Keeper



AVAILABLE FINISHES

- Mirror
- Satin

TECHNICAL DETAILS

- LT-52: Patch lock, centre fix, c/w euro style cylinder
- LT-53K: Keeper for LT-52 centre fix

LT-54 / LT-54K Patch Lock and Patch Keeper



AVAILABLE FINISHES

- Mirror
- Satin

TECHNICAL DETAILS

- Patch turn bolt lock series T-54
- Patch Keeper for LT-54

LT-55 / LT-55k Patch Lock and Patch Keeper



AVAILABLE FINISHES

- Mirror
- Satin

TECHNICAL DETAILS

- Patch Lock series T-55
- Patch Keeper for LT-55

LT-56 / LT-57K Patch Lock and Patch Keeper



AVAILABLE FINISHES

- Mirror
- Satin

TECHNICAL DETAILS

- Patch lock series T-56
- Patch keeper for LT-56 & 57

LT-58 Patch Lock



AVAILABLE FINISHES

- Mirror
- Satin

TECHNICAL DETAILS

- Patch lock series T-58

LT-70 / LT-70K Patch Lock and Patch Keeper



AVAILABLE FINISHES

- Mirror
- Satin

TECHNICAL DETAILS

- Patch lock series T-70
- Patch keeper for LT-70

LT-81 / LT-81K Slide On Patch Lock and Patch Keeper



AVAILABLE FINISHES

- Mirror
- Satin

TECHNICAL DETAILS

- Slide on patch lock, single sided LT-81
- Slide on patch keeper for LT-81

LT-82 / LT-82K Slide On Patch Lock and Patch Keeper



AVAILABLE FINISHES

- Mirror
- Satin

TECHNICAL DETAILS

- Slide on patch lock, double sided LT-82
- Slide on patch keeper for LT-82

LR-20 / LR-20L / LR-21K Patch Lock and Patch Keeper - Series R



AVAILABLE FINISHES

- Mirror
- Satin

TECHNICAL DETAILS

- Patch lock series R-10
- Patch keeper series R-20
- Patch keeper series R-21

LR-25 Patch lock - Series R



AVAILABLE FINISHES

- Mirror
- Satin

TECHNICAL DETAILS

- Patch lock series R-25

LR-51 / LR-53K Patch Lock and Patch Keeper - Series R



AVAILABLE FINISHES

- Mirror
- Satin

TECHNICAL DETAILS

- Patch lock series R-51
- Patch keeper series R-53

LR-54 Patch lock - Series R



AVAILABLE FINISHES

- Mirror
- Satin

TECHNICAL DETAILS

- Patch lock series R-54

LS-13 / LS-13K Sliding Patch Lock and Patch Keeper



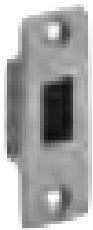
AVAILABLE FINISHES

- Mirror
- Satin

TECHNICAL DETAILS

- Sliding patch lock S-13
- Sliding patch keeper S-13

LS-14K Patch Keeper - S



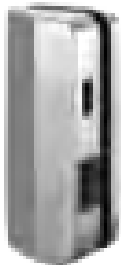
AVAILABLE FINISHES

- Mirror
- Satin

TECHNICAL DETAILS

- Patch keeper S-14

LS-15K Sliding Patch Keeper



AVAILABLE FINISHES

- Mirror
- Satin

TECHNICAL DETAILS

- Patch keeper sliding S-15

LS-20 / LS-21 Sliding Patch Lock and Patch Keeper



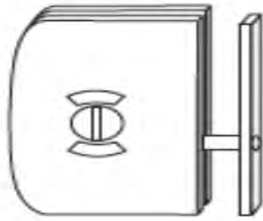
AVAILABLE FINISHES

- Mirror
- Satin

TECHNICAL DETAILS

- Sliding lock, S-10, c/w cylinder, glass to glass
- Sliding lock, S-21, c/w cylinder, glass to wall

IL700C Indicator Lock - Door to Wall



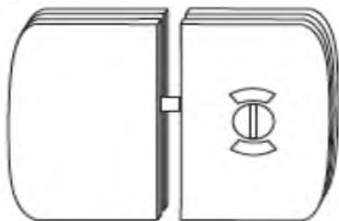
AVAILABLE FINISHES

- Mirror
- Satin

TECHNICAL DETAILS

- Indicator lock
- Door to wall
- Glass cut out required

IL701C Indicator Lock - Door to Sidepanel



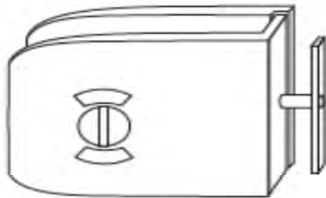
AVAILABLE FINISHES

- Mirror
- Satin

TECHNICAL DETAILS

- Indicator lock
- Door to sidepanel
- Glass cut out required

IL600C Indicator Lock - Door to Wall

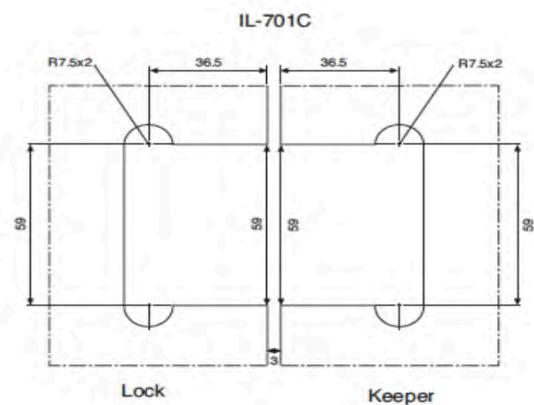
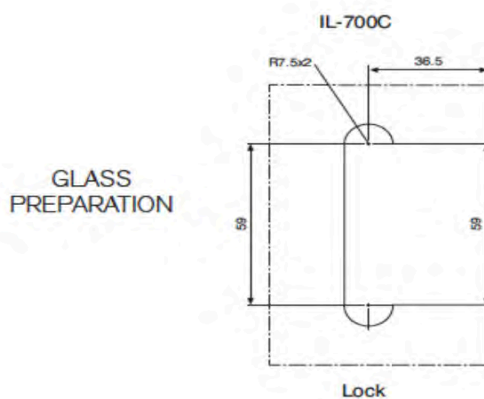


AVAILABLE FINISHES

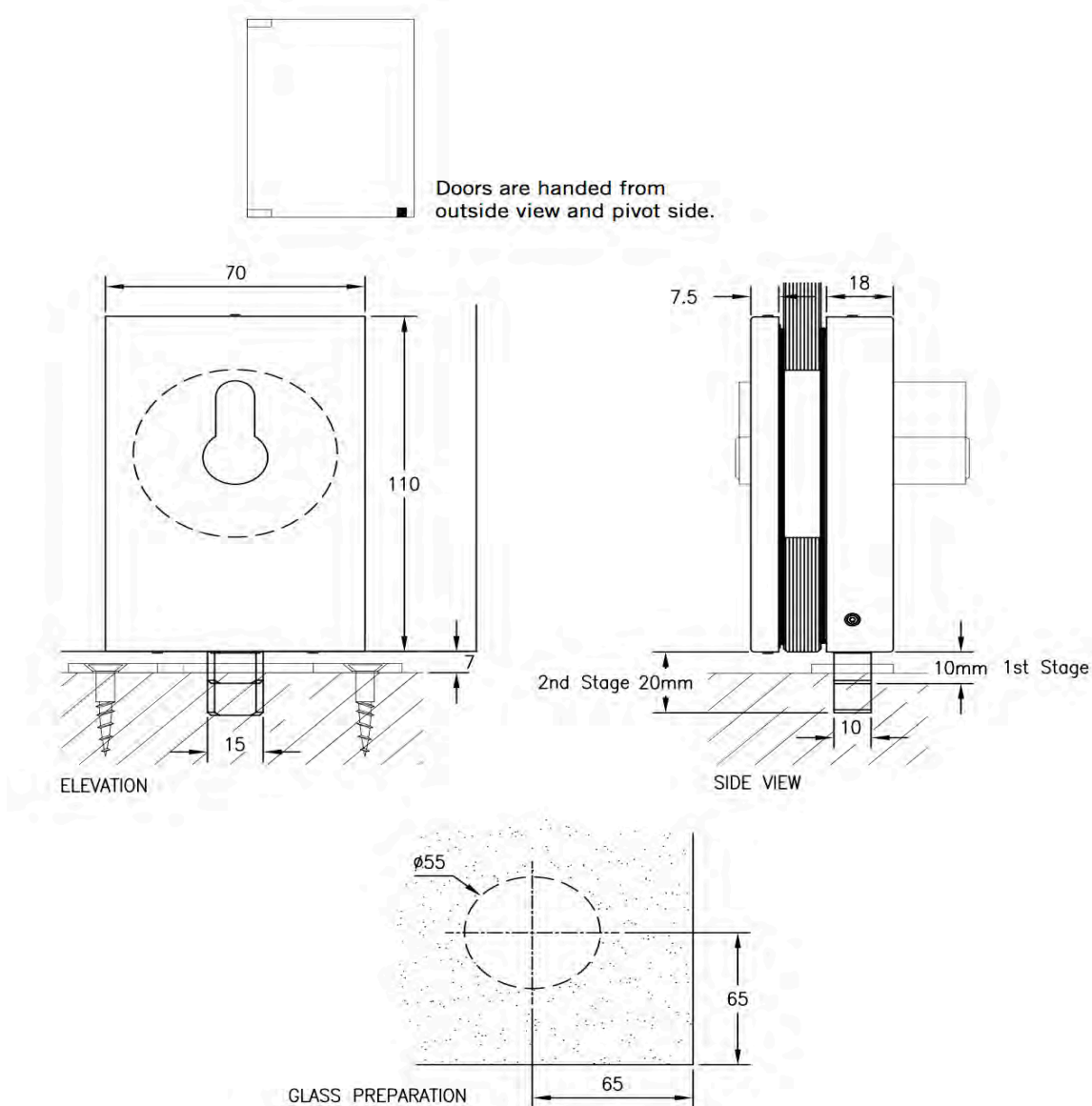
- Mirror
- Satin

TECHNICAL DETAILS

- Indicator lock
- Door to wall
- NO glass cut out required



342.1 Patch Lock with Covers



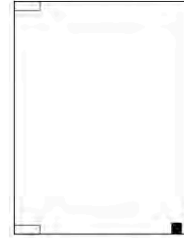
AVAILABLE FINISHES

- Aluminium: Mill, SAA
- Stainless

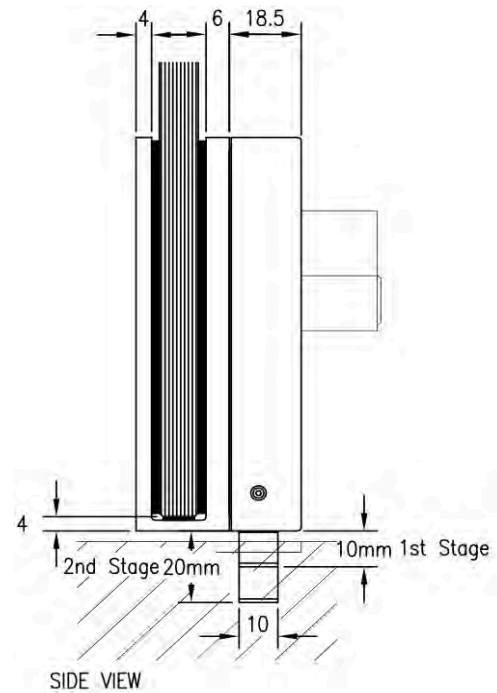
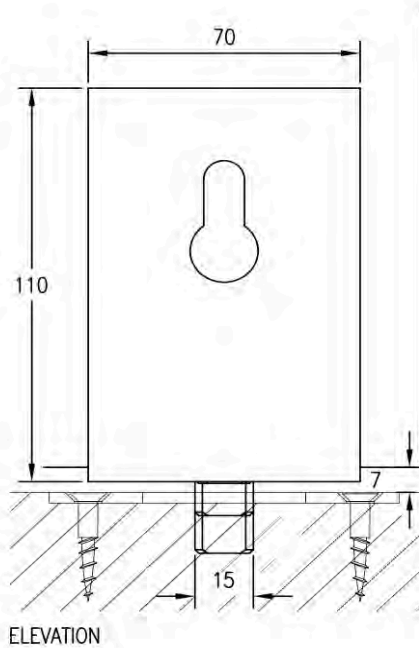
TECHNICAL DETAILS

- Universal 110mm x 70mm
- Lower pin throw patch lock with covers
- Specify glass thickness 10, 12 or 15mm
- Illustrated with 345 Keeper Plate
- Optional: CD 68 Cylinder

343.1 Patch Lock



Doors are handed from outside view and pivot side.



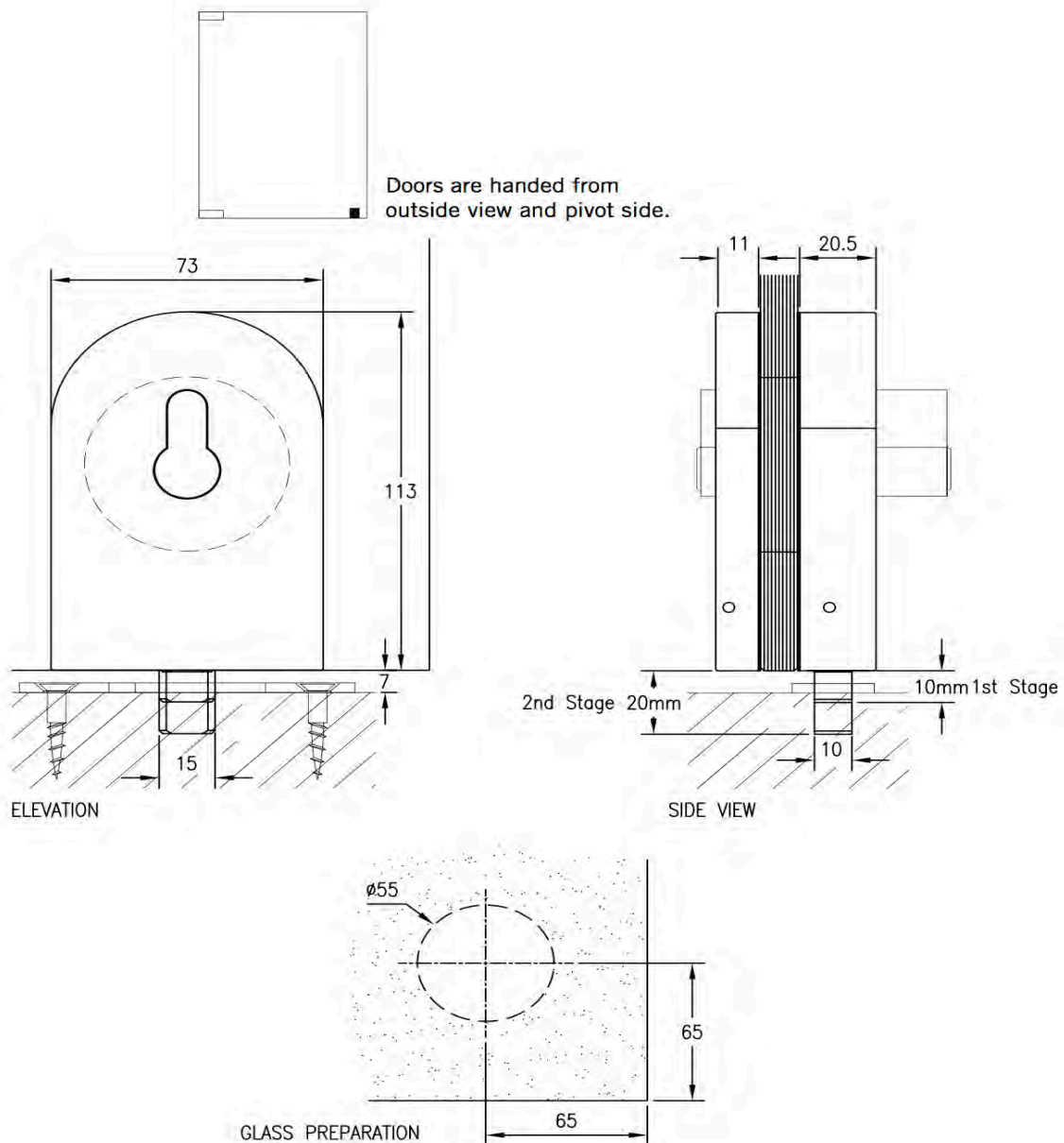
AVAILABLE FINISHES

- Aluminium: SAA

TECHNICAL DETAILS

- Universal 110mm x 70mm
- Lower pin throw slide over patch lock
- Specify glass thickness 10 or 12mm
- Illustrated with 345 Keeper Plate
- Optional: CD 68 Cylinder

M14.400 Patch Lock



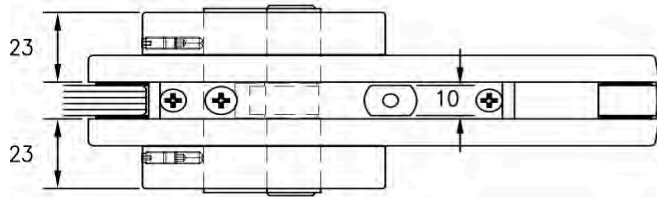
AVAILABLE FINISHES

- Stainless: SSS, PSS

TECHNICAL DETAILS

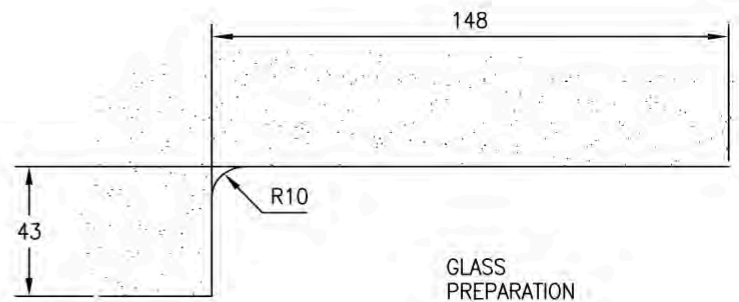
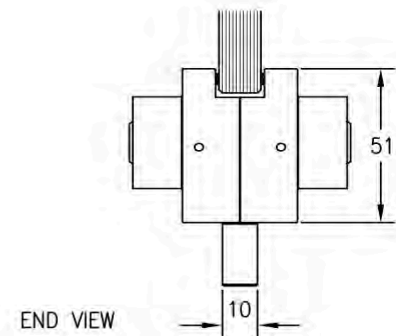
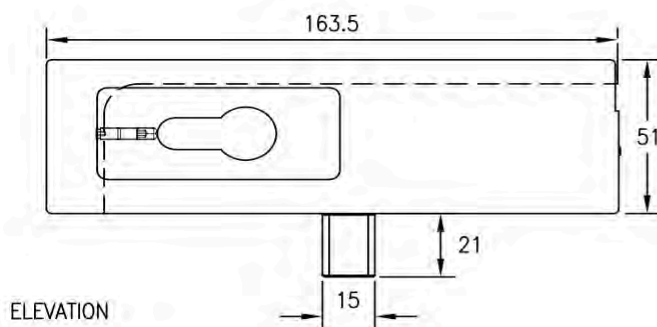
- Universal 110mm x 70mm
- Lower pin throw patch lock with covers
- Specify glass thickness 10, 12 or 15mm
- Illustrated with 345 Keeper Plate
- Optional: CD 68 Cylinder

US10 Patch Lock



Doors are handed from outside view and pivot side.

REFLECTED PLAN



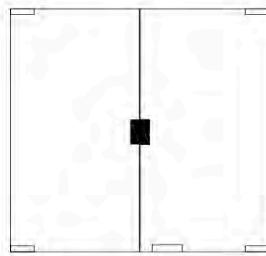
AVAILABLE FINISHES

- Aluminium: Mill, SAA
- Stainless: SSS, PSS

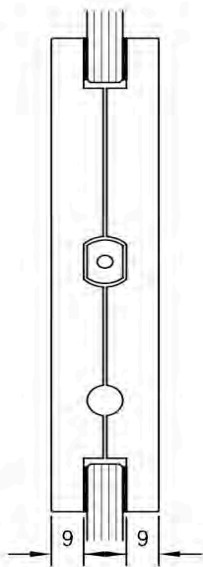
TECHNICAL DETAILS

- Universal 164mm x 51mm
- Lower pin throw patch lock
- Specify glass thickness 10, 12 or 15mm
- Optional: CD 68 Cylinder

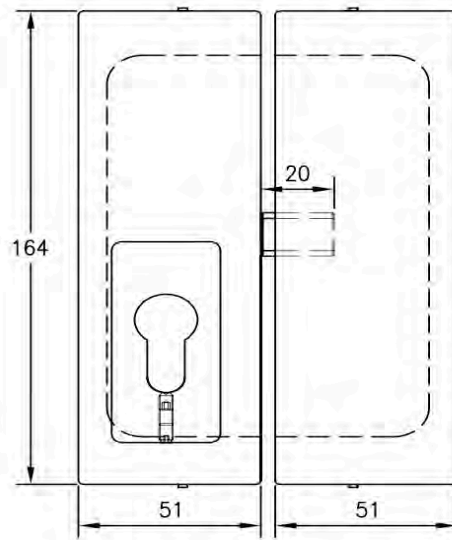
US20 / GK50 Patch Lock



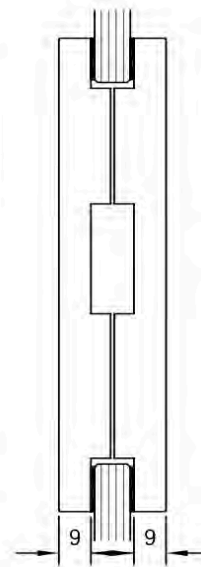
Doors are handed from outside view and pivot side.



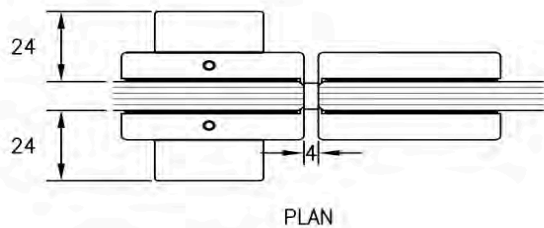
US 20 SIDE VIEW



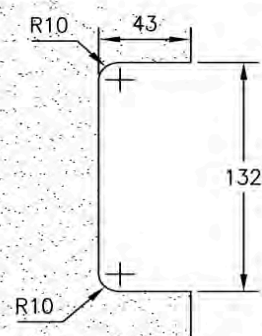
ELEVATION



GK50 SIDE VIEW



PLAN



GLASS PREPARATION US 20 & GK 50

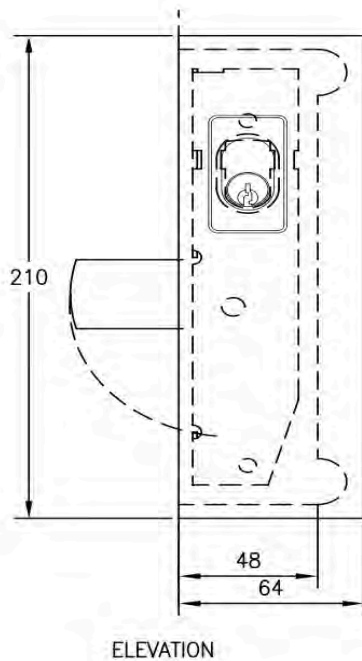
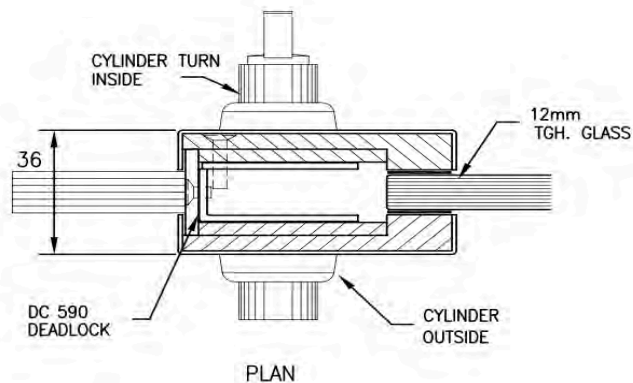
AVAILABLE FINISHES

- Aluminium: Mill, SAA
- Stainless: SSS, PSS

TECHNICAL DETAILS

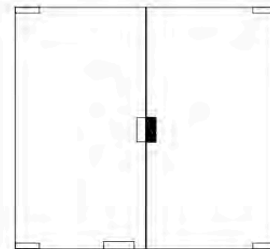
- Universal 164mm x 51mm
- Side mount pin throw patch lock and GK50 side mount patch keeper to suit US20
- Specify glass thickness 10, 12 or 15mm
- Optional: CD 68 Cylinder

CD351A Patch Lock

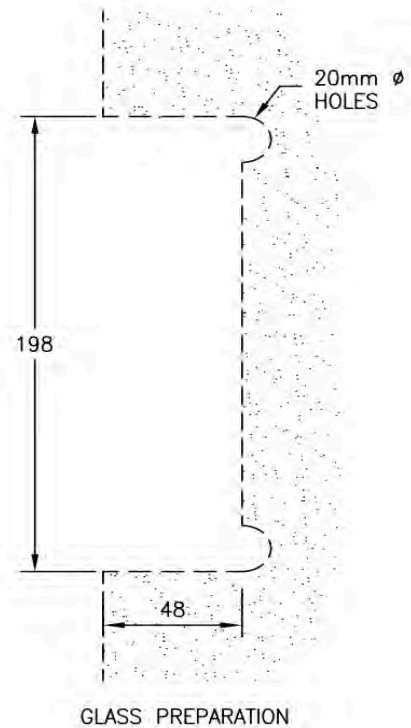


AVAILABLE FINISHES

- Aluminium: Mill, SAA
- Stainless: SSS, PSS



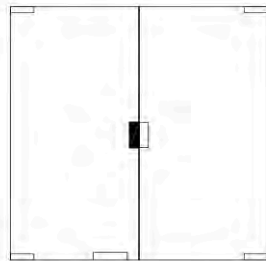
Doors are handed from outside view and pivot side.



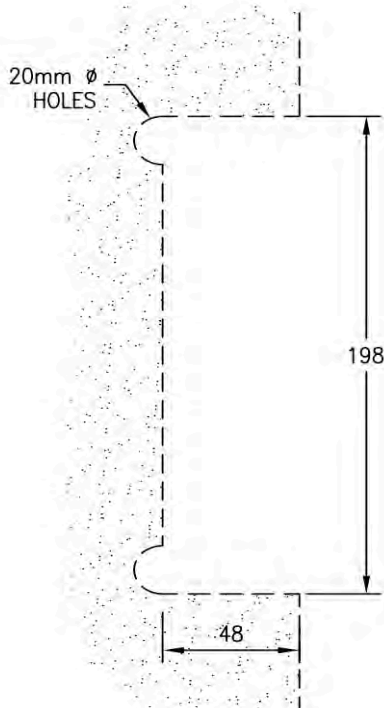
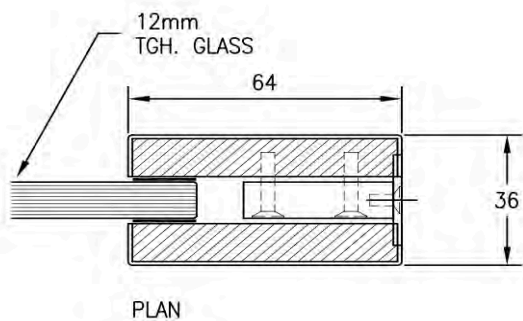
TECHNICAL DETAILS

- ON-EAZI side fix patch lock complete with door lock (DC 590)
- Specify lock operation cylinder, double cylinder or cylinder and turn
- Note: Add CD351K if matching patch keeper is required.
- Specify glass thickness 10, 12 or 15mm

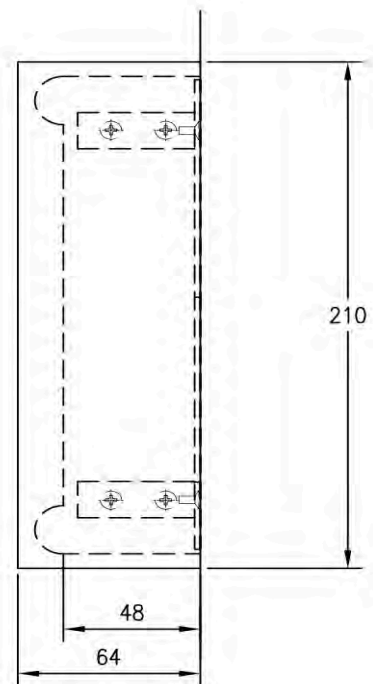
CD351K Patch Lock



Doors are handed from outside view and pivot side.



GLASS PREPARATION



ELEVATION

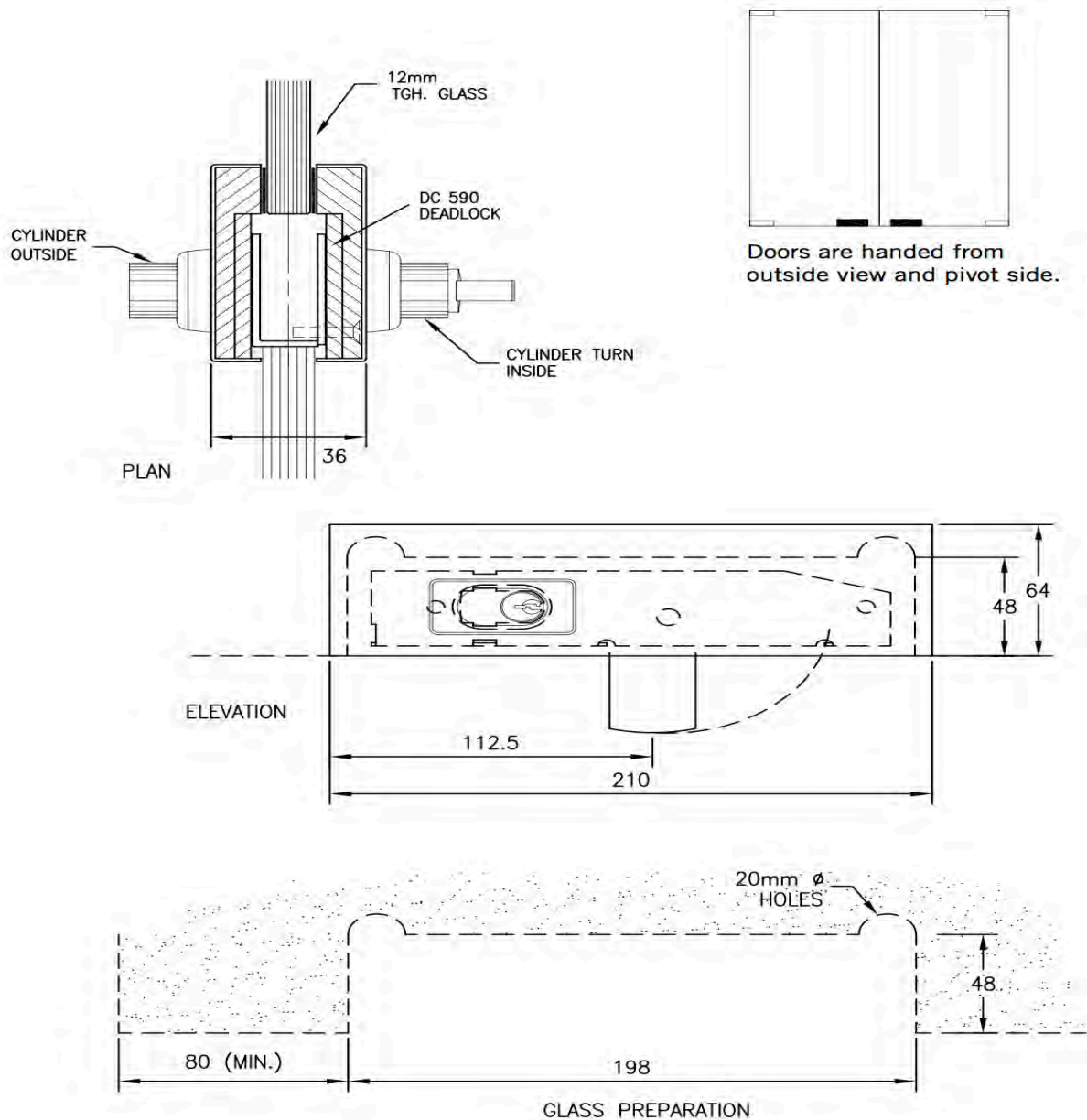
AVAILABLE FINISHES

- Aluminium: Mill, SAA
- Stainless: SSS, PSS

TECHNICAL DETAILS

- ON-EAZI side fix patch keeper to suit CD351A with door lock
- Specify glass thickness 10, 12 or 15mm

CD351B Patch Lock



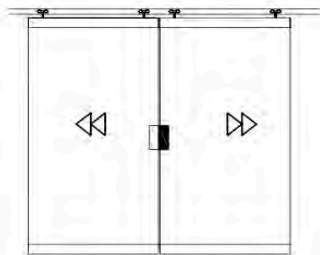
AVAILABLE FINISHES

- Aluminium: Mill, SAA
- Stainless: SSS, PSS

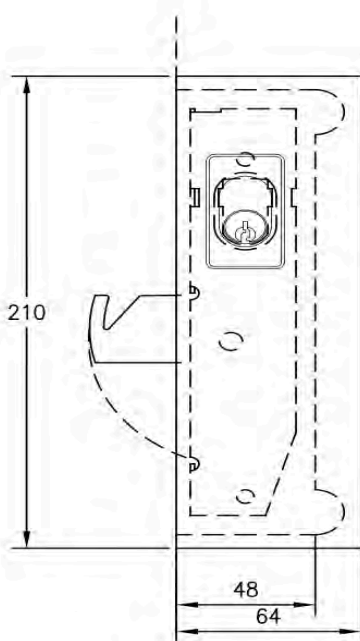
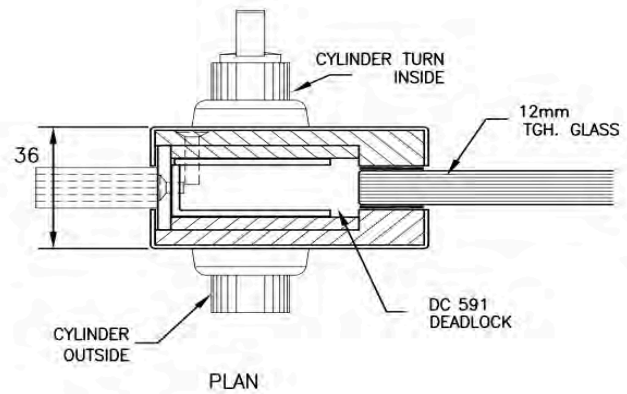
TECHNICAL DETAILS

- ON-EAZI bottom fix patch lock complete with door lock
- Specify lock operation single cylinder, double cylinder or cylinder and turn
- Add CD353 lock trough floor keeper if required
- Specify glass thickness 10, 12 or 15mm

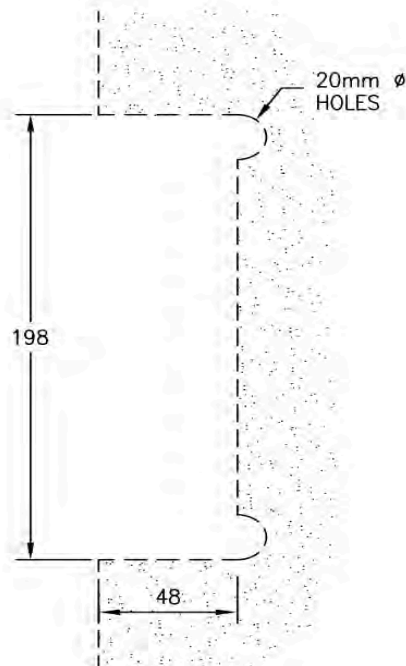
CD351S Patch Lock



Doors are handed from outside view and pivot side.



ELEVATION



GLASS PREPARATION

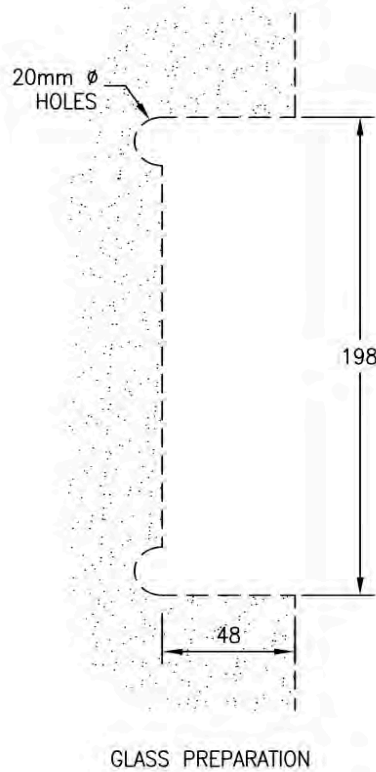
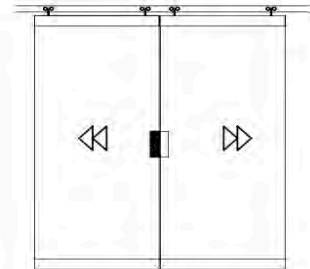
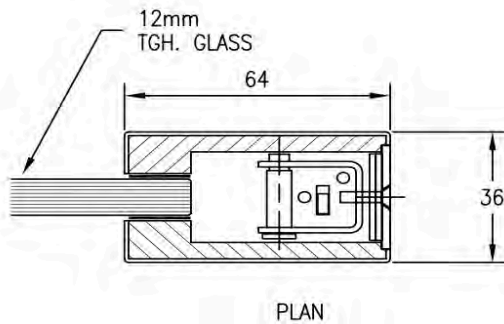
AVAILABLE FINISHES

- Aluminium: Mill, SAA
- Stainless: SSS, PSS

TECHNICAL DETAILS

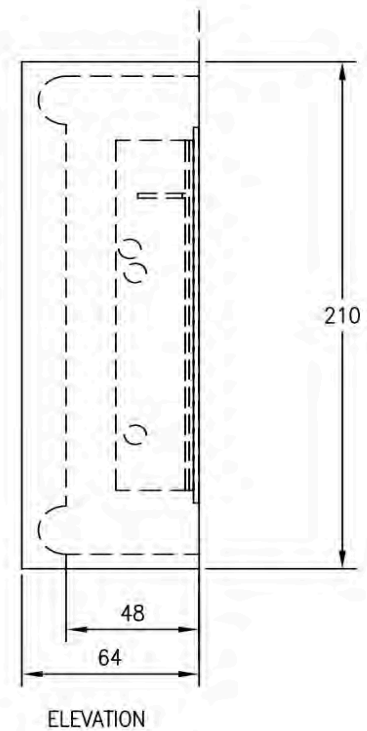
- ON-EAZI sliding door side fix patch
- Lock complete with door lock
- Specify lock operation single cylinder, double cylinder or cylinder and turn
- Add CD351KS if matching patch keeper if required
- Specify glass thickness 10, 12 or 15mm

CD351KS Patch Lock



AVAILABLE FINISHES

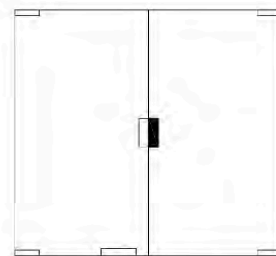
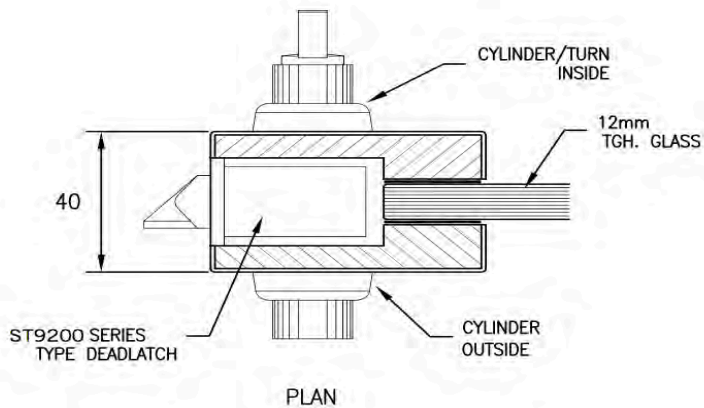
- Aluminium: Mill, SAA
- Stainless: SSS, PSS



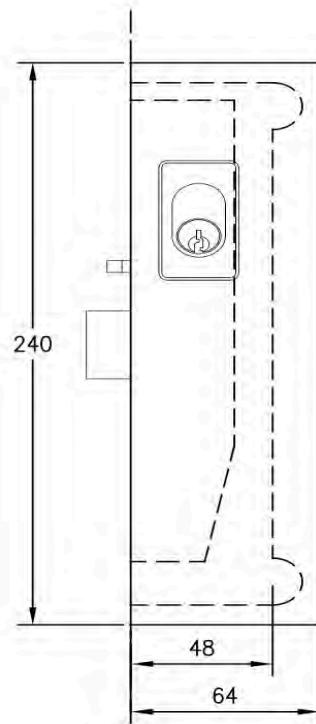
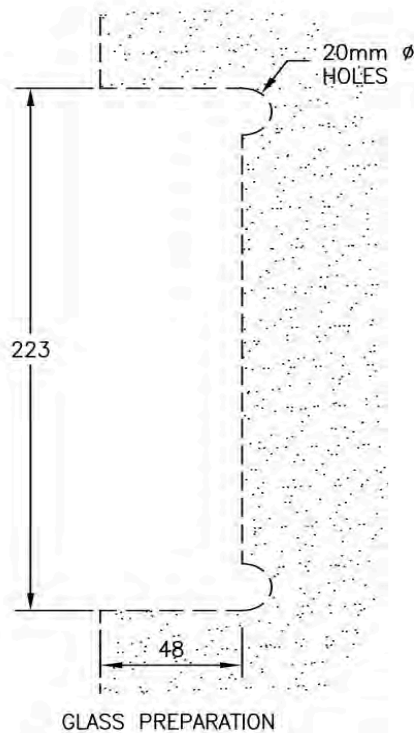
TECHNICAL DETAILS

- ON-EAZI sliding door side fix patch keeper to suit CD351S with door lock
- Specify glass thickness 10, 12 or 15mm

CD451 Patch Lock



Doors are handed from outside view and pivot side.



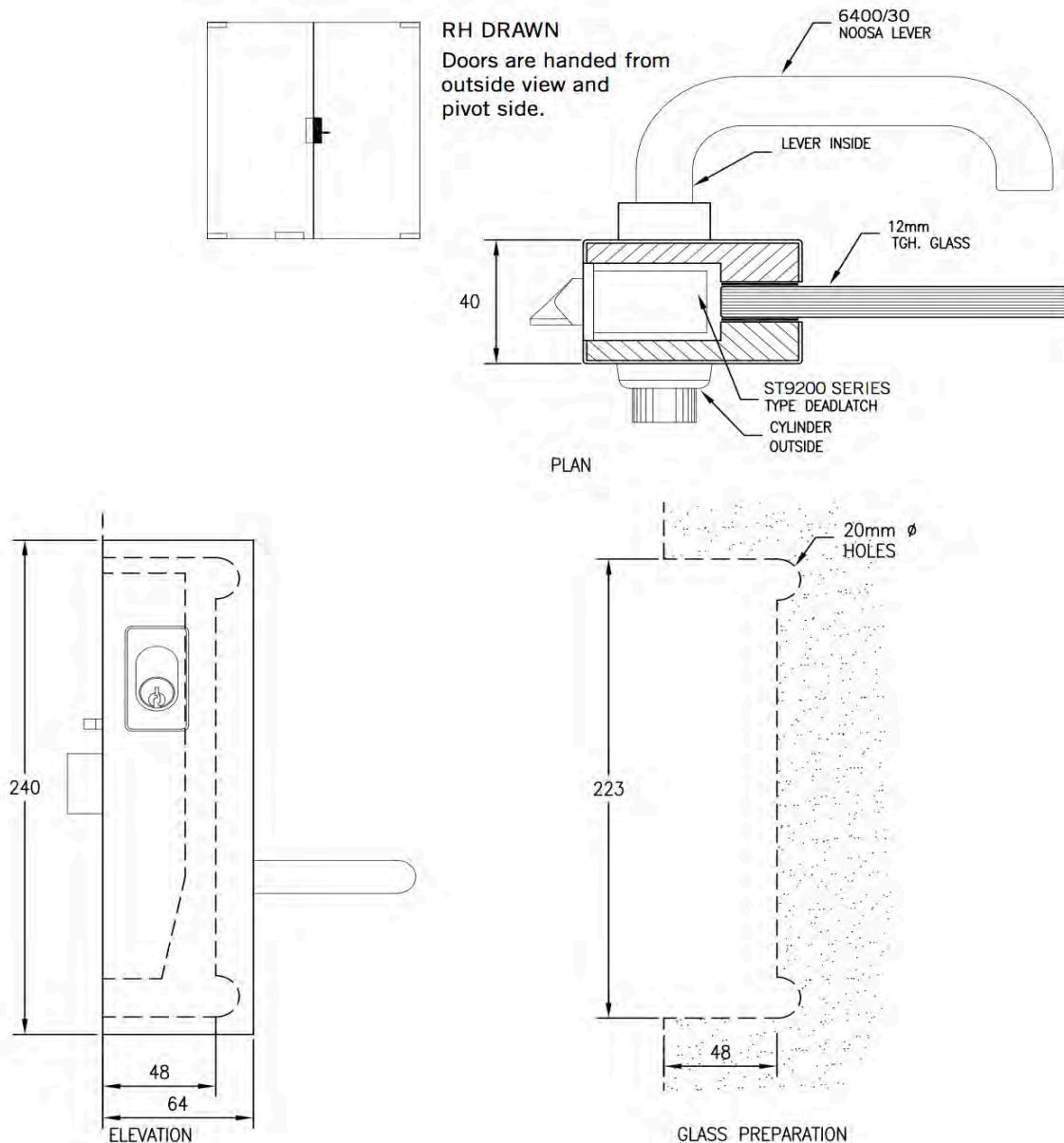
AVAILABLE FINISHES

- Aluminium: Mill, SAA
- Stainless: SSS, PSS

TECHNICAL DETAILS

- ON-EAZI side fix patch lock complete with ST9210 lock
- Specify lock operation single cylinder, double cylinder or cylinder and turn. Specify hand of door.
- Add CD451K if matching keeper if required
- Specify glass thickness 10, 12 or 15mm

CD451E Patch Lock



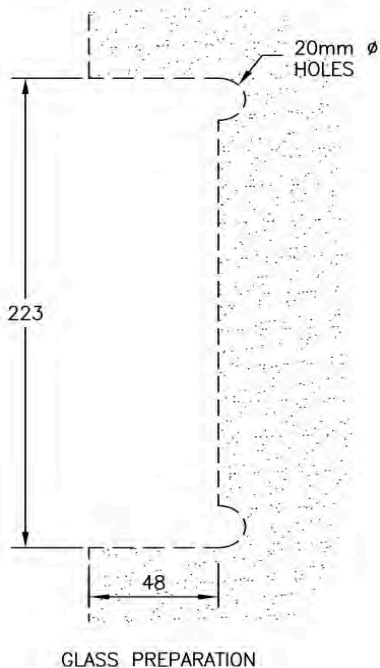
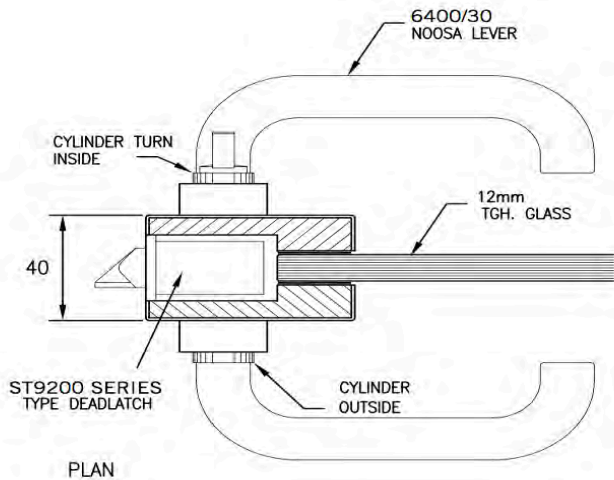
AVAILABLE FINISHES

- Aluminium: Mill, SAA
- Stainless: SSS, PSS

TECHNICAL DETAILS

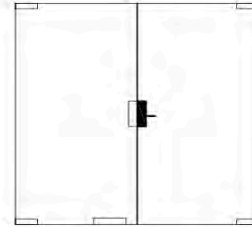
- ON-EAZI side fix EGRESS patch lock complete with ST9212 lock and series lever furniture
- Specify lock operation, free lever inside only, cylinder or blank outside
- Specify hand of door
- Add CD451K if matching patch keeper is required
- Specify glass thickness 10, 12 or 15mm

CD451F Patch Lock



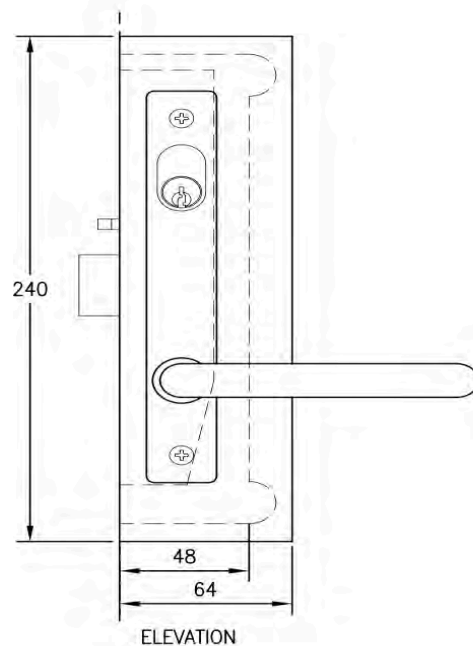
AVAILABLE FINISHES

- Aluminium: Mill, SAA
- Stainless: SSS, PSS



RH DRAWN

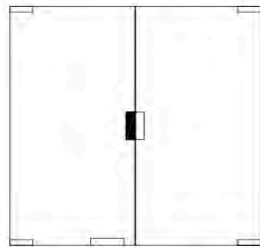
Doors are handed from outside view and pivot side.



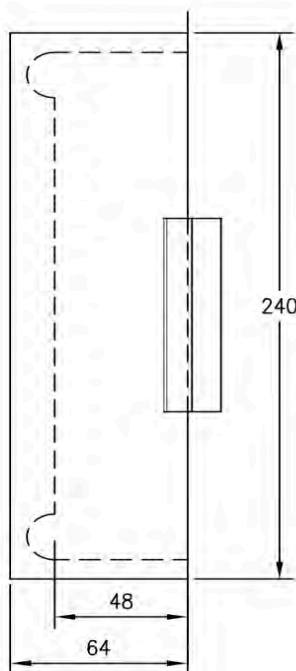
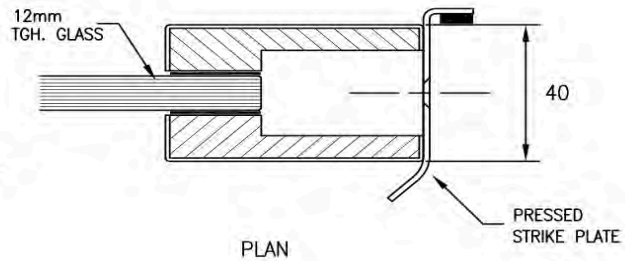
TECHNICAL DETAILS

- ON-EAZI side fix patch lock complete with ST9212 lock and 6400 series lever furniture
- Specify lock operation single cylinder, double cylinder or cylinder and turn with double levers
- Specify hand of door
- Add 451K if matching patch keeper is required
- Specify glass thickness 10, 12 or 15mm

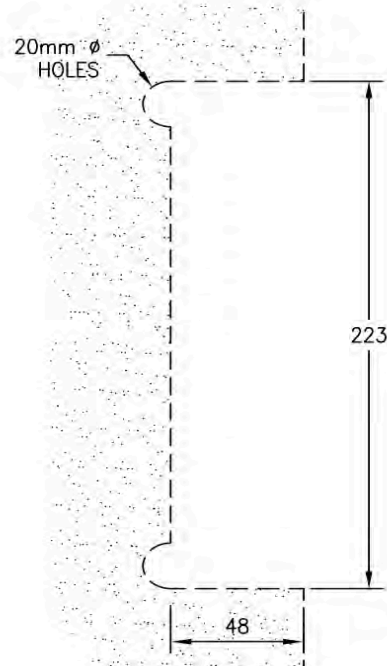
CD451K Patch Lock



Doors are handed from outside view and pivot side.



ELEVATION



GLASS PREPARATION

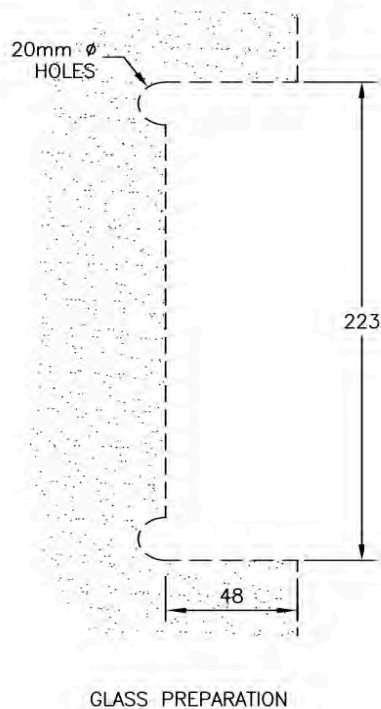
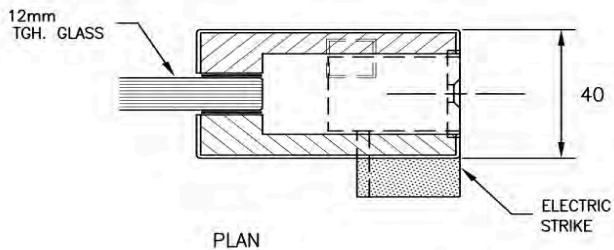
AVAILABLE FINISHES

- Aluminium: Mill, SAA
- Stainless: SSS, PSS

TECHNICAL DETAILS

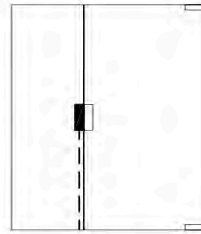
- ON-EAZI side fix patch lock keeper to suit CD451
- CD451E and CD451F with ST9200 series locks
- Specify glass thickness 10, 12 or 15mm

CD451KE Patch Lock



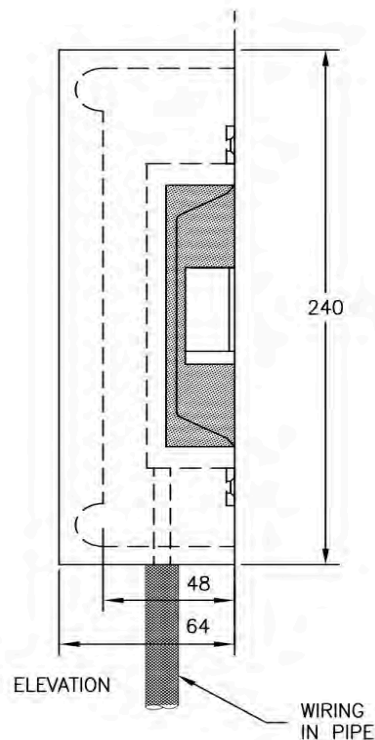
AVAILABLE FINISHES

- Aluminium: Mill, SAA
- Stainless: SSS, PSS



Note: state open in or open out at the time of order

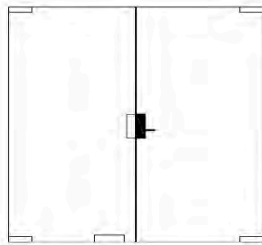
Doors are handed from outside view and pivot side.



TECHNICAL DETAILS

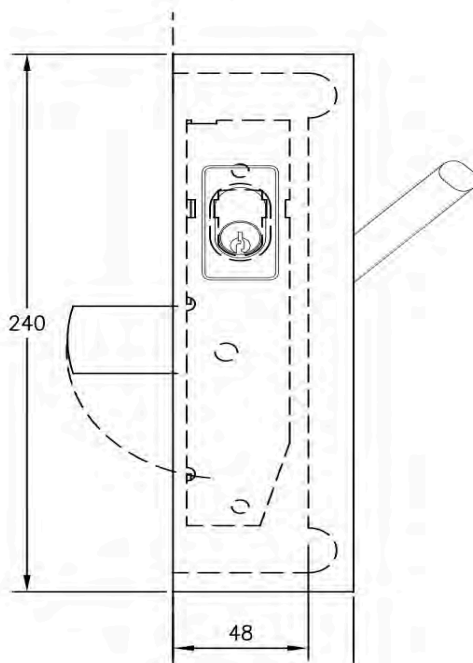
- ON-EAZI side fix patch keeper incorporating FSH FES20M electric strike to suit CD451, CD451E and CD451F with ST9200 series locks
- Note: wiring possibilities include surface pipe, edge channel or horizontal silicone joint
- Note: wiring by surface pipe indicated on drawing
- Specify glass thickness 10, 12 or 15mm
- Specify handing

CD451/3540 Patch Lock



RH DRAWN

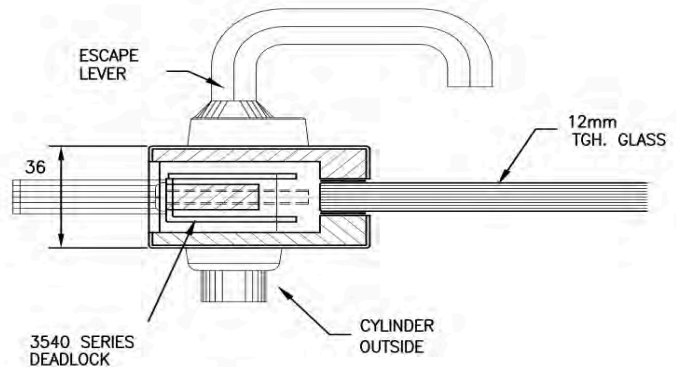
Doors are handed from outside view and pivot side.



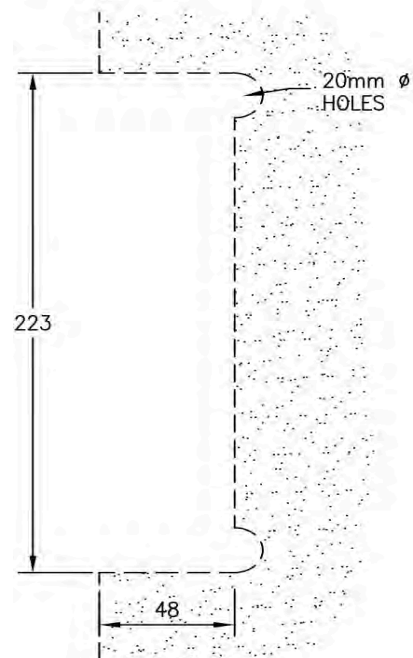
ELEVATION

AVAILABLE FINISHES

- Aluminium: Mill, SAA
- Stainless: SSS, PSS



PLAN

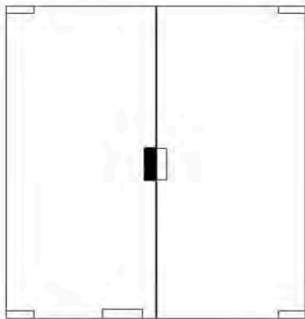


GLASS PREPARATION

TECHNICAL DETAILS

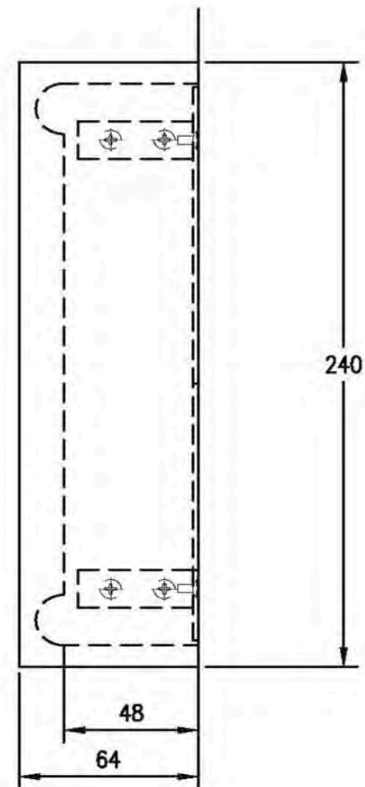
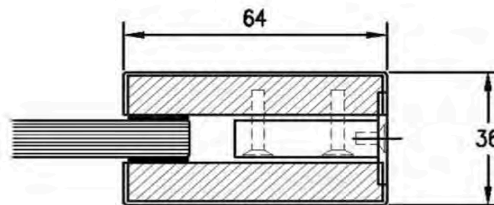
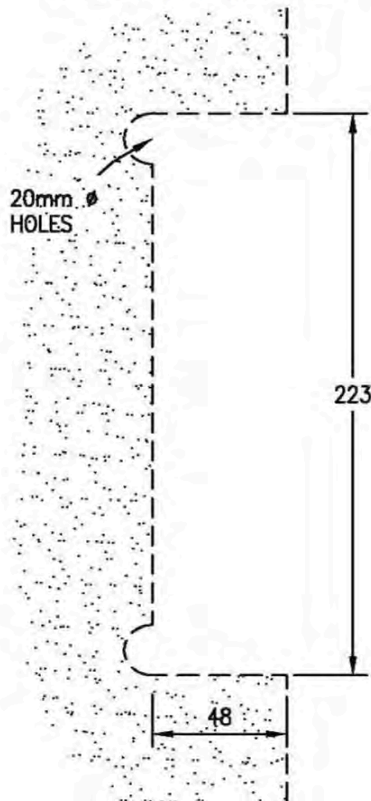
- ON-EAZI side fix patch lock complete with door lock (3542 long throw) or (3542 short throw)
- Specify lock operation cylinder outside nad lever inside or lever inside only
- Specify hand of door
- Specify CD451/3542 for long throw or CD451/3540 for short throw or CD451/3541 for sliding lock
- Note: Add CD451 K/3540 if matching patch keeper is required.
- Specify glass thickness 10, 12 or 15mm

CD451K/3540 Patch Lock



NON HANDED

Doors are handed from outside view and pivot side.



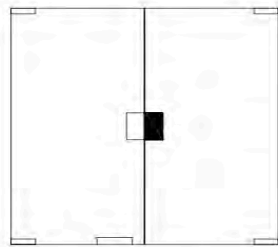
AVAILABLE FINISHES

- Aluminium: Mill, SAA
- Stainless: SSS, PSS

TECHNICAL DETAILS

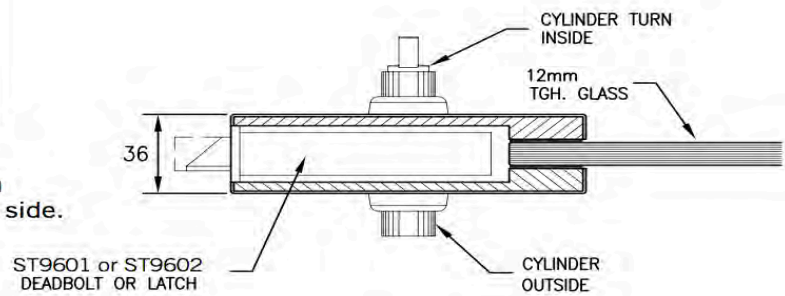
- ON-EAZI side fix patch keeper to suit CD451/3540 door lock
- Specify glass thickness 10, 12 or 15mm

CD1050 Patch Lock

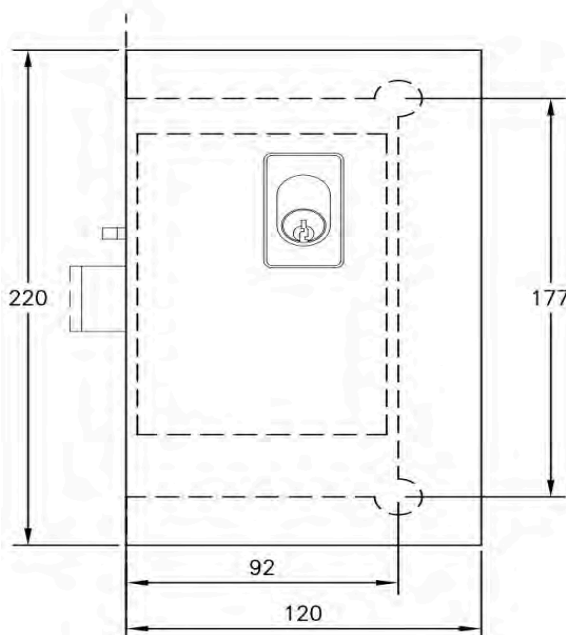


NON HANDED

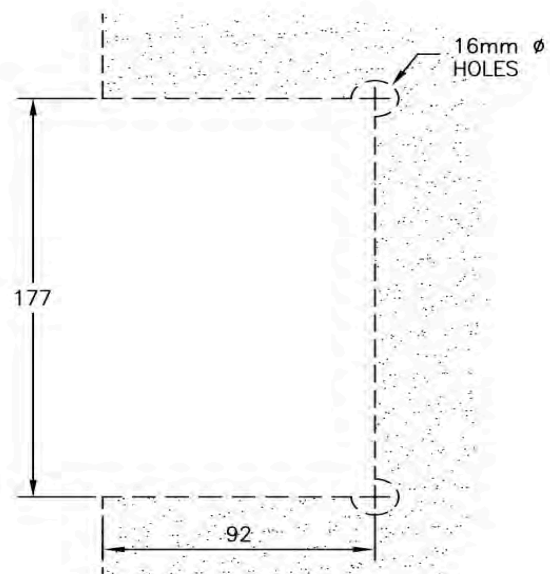
Doors are handed from outside view and pivot side.



PLAN



ELEVATION



GLASS PREPARATION

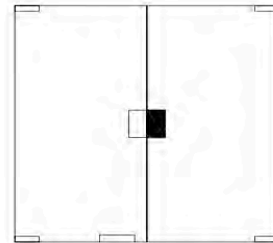
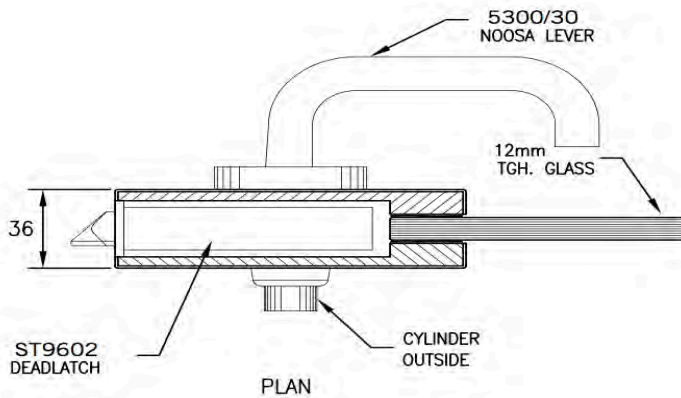
AVAILABLE FINISHES

- Aluminium: Mill, SAA
- Stainless: SSS, PSS

TECHNICAL DETAILS

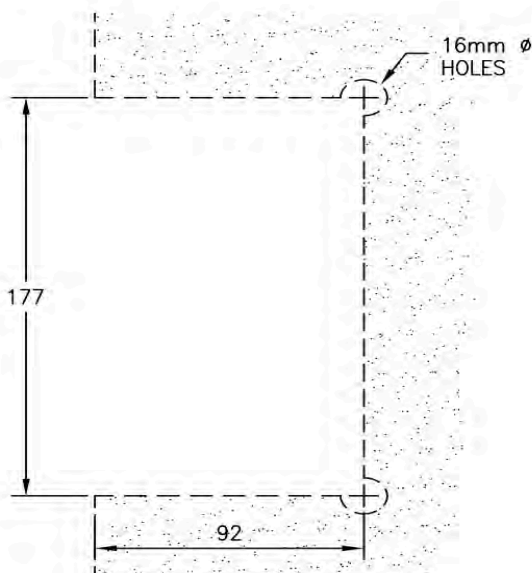
- ON-EAZI side fix patch lock complete with wide backset door lock (ST9601 or ST9602)
- Specify lock operation single cylinder, double cylinder or cylinder and turn
- Specify hand of door
- Note: Add CD1051K or CD1050K if matching patch keeper required
- Specify glass thickness 10, 12 or 15mm
- Specify lock type ST9601, Deadbolt/ST9602 or Deadlatch

CD1050E Patch Lock

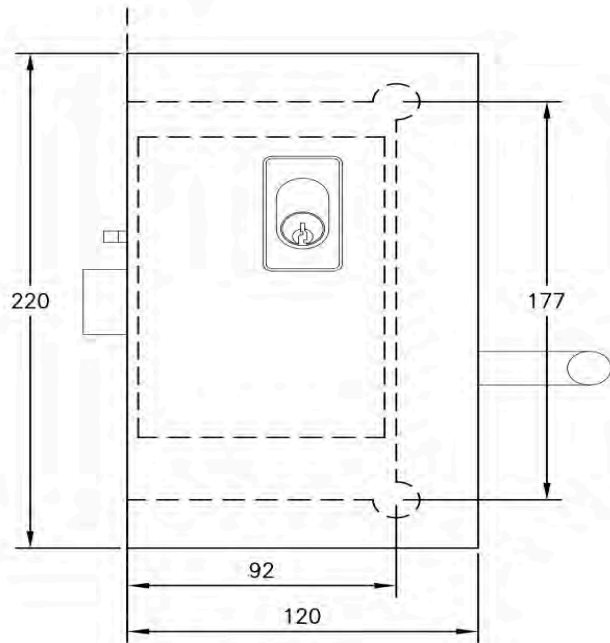


RH DRAWN

Doors are handed from outside view and pivot side.



GLASS PREPARATION



ELEVATION

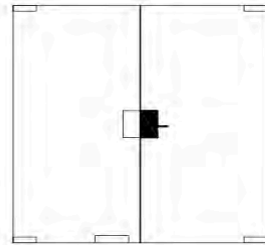
AVAILABLE FINISHES

- Aluminium: Mill, SAA
- Stainless: SSS, PSS

TECHNICAL DETAILS

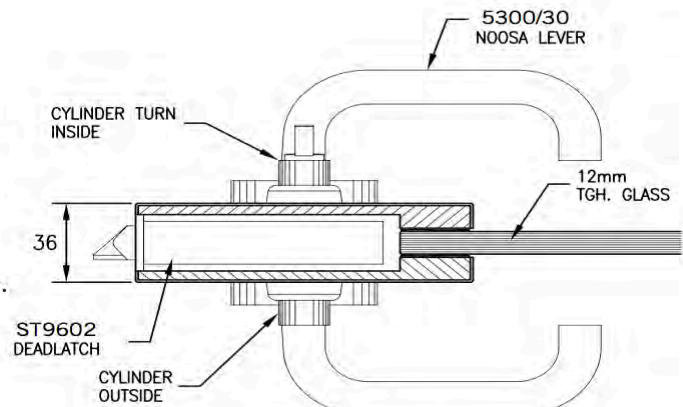
- ON-EAZI side fix EGRESS latch lock complete with wide backset door lock (ST9602) and lever furniture inside only.
- Specify lock operation free lever inside always, cylinder or blank outside
- Specify hand of door
- Note: Add CD1051K or CD1050K if matching patch keeper required
- Specify glass thickness 10, 12 or 15mm

CD1050F Patch Lock

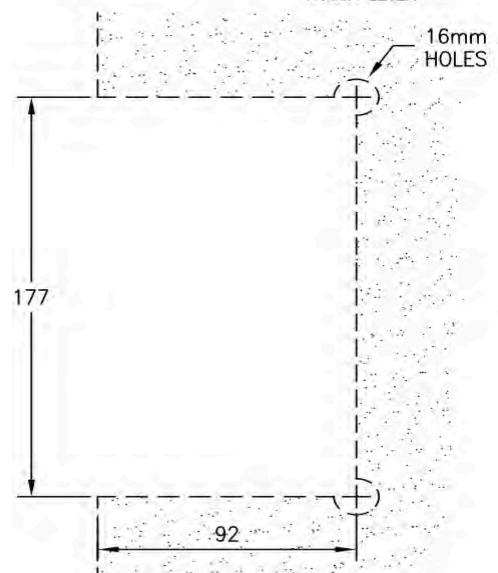


RH DRAWN

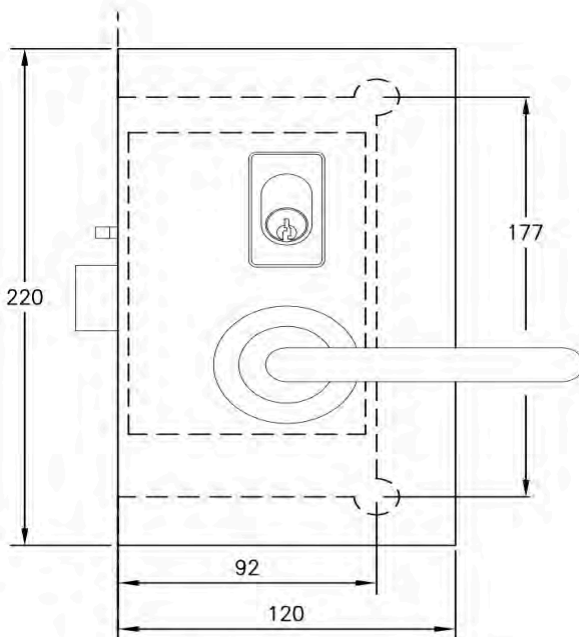
Doors are handed from outside view and pivot side.



PLAN



GLASS PREPARATION



ELEVATION

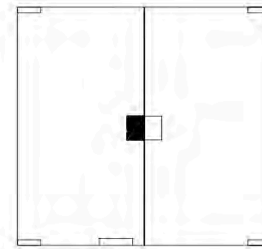
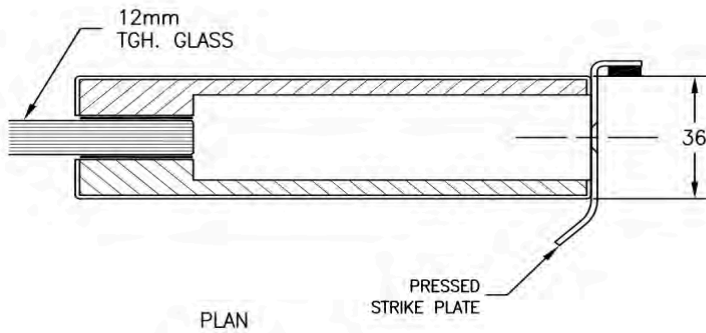
AVAILABLE FINISHES

- Aluminium: Mill, SAA
- Stainless: SSS, PSS

TECHNICAL DETAILS

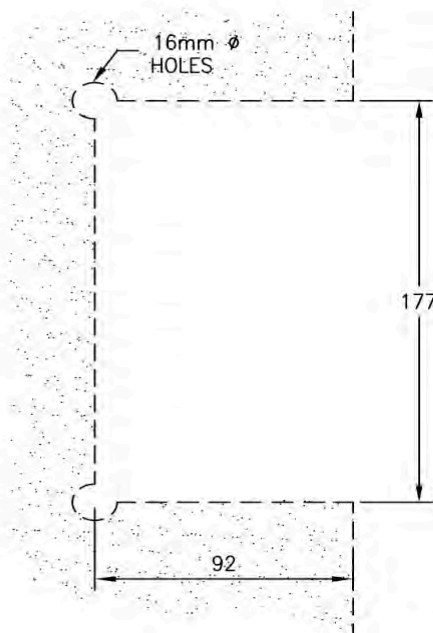
- ON-EAZI side fix patchlock complete with wide backset door lock (ST9602) and lever furniture
- Specify lock operation single cylinder, double cylinder or cylinder and turn with double levers.
- Specify hand of door
- Note: Add 1051K or CD1050K if matching patch keeper required
- Specify glass thickness 10, 12 or 15mm

1050K Patch Lock



NON HANDED

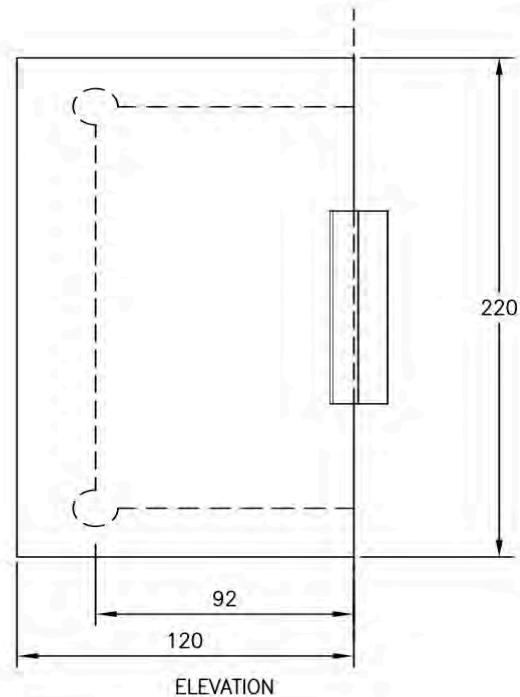
Doors are handed from outside view and pivot side.



GLASS PREPARATION

AVAILABLE FINISHES

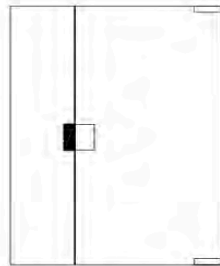
- Aluminium: Mill, SAA
- Stainless: SSS, PSS



TECHNICAL DETAILS

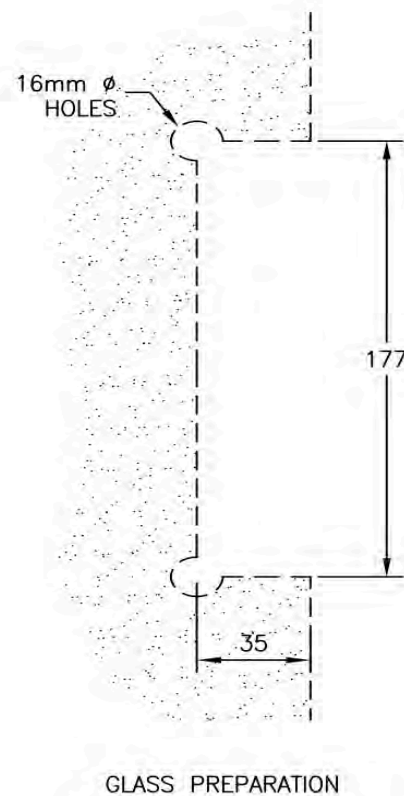
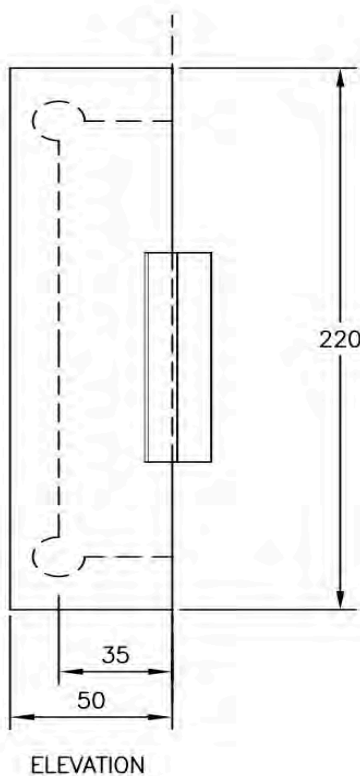
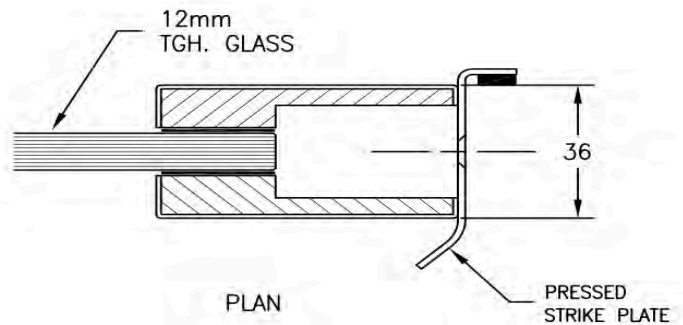
- ON-EAZI side fix patch keeper to suit CD1050, CD1050E and CD1050F with door lock (ST9601 or ST9602)
- Note: This patch fitting is used generally on pairs of doors to match patch lock
- Specify glass thickness 10, 12 or 15mm

1051K Patch Lock



NON HANDED

Doors are handed from outside view and pivot side.



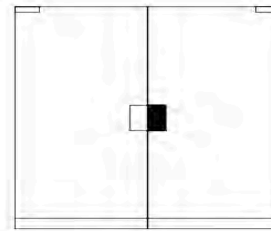
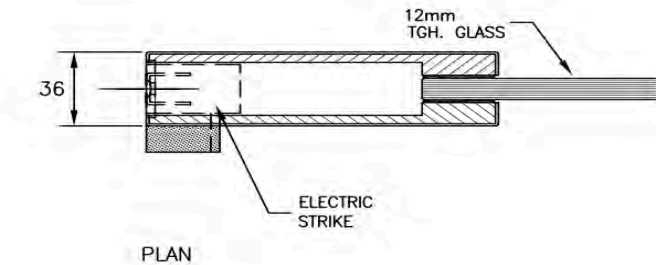
AVAILABLE FINISHES

- Aluminium: Mill, SAA
- Stainless: SSS, PSS

TECHNICAL DETAILS

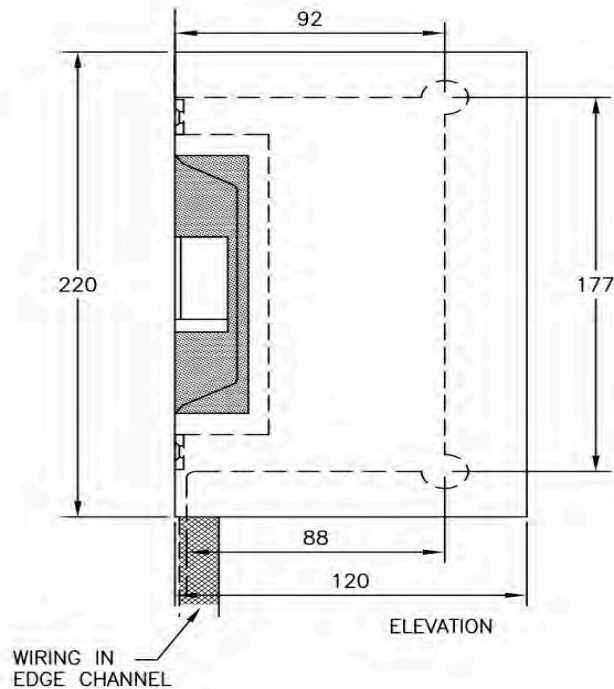
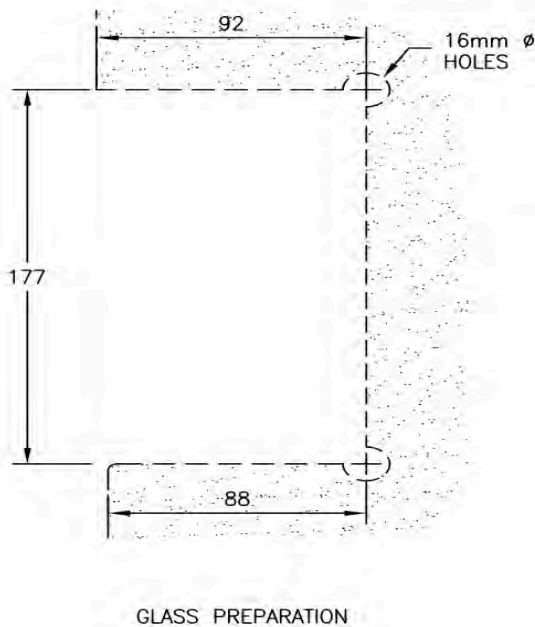
- ON-EAZI side fix patch keeper to suit CD1050, CD1050E and CD1050F with door lock (ST9601 or ST9602)
- Note: This patch fitting is used generally on side panels
- Specify glass thickness 10, 12 or 15mm

CD1050KE Patch Lock



Note: state open in or open out at the time of order

Doors are handed from outside view and pivot side.



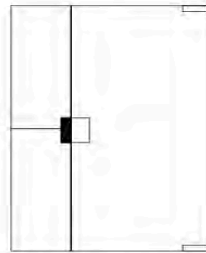
AVAILABLE FINISHES

- Aluminium: Mill, SAA
- Stainless: SSS, PSS

TECHNICAL DETAILS

- ON-EAZI side fix electric strike patch keeper to suit CD1050, CD1050E and CD1050F, incorporating FSH FES20M electric strike
- Note: Wiring possibilities include surface pipe, edge channel or horizontal silicone joint
- Note: wiring by edge channel indicated on drawing
- Specify glass thickness 10, 12 or 15mm
- Specify hand of door

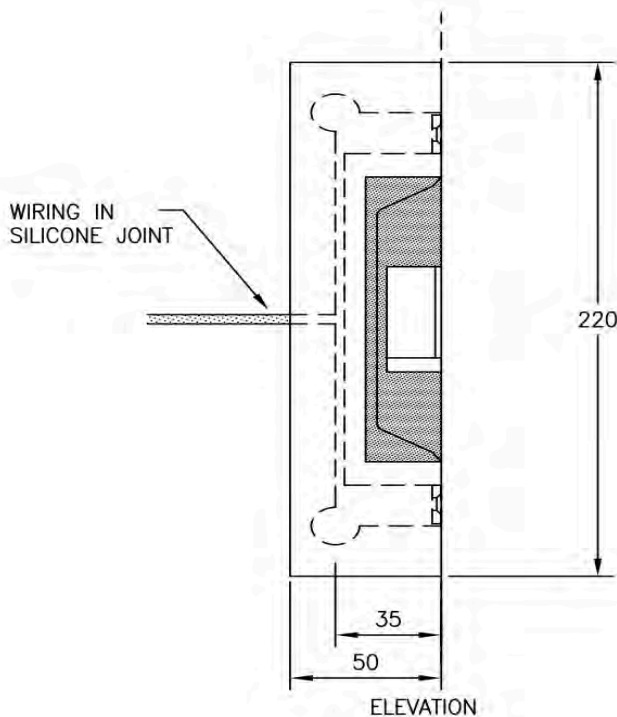
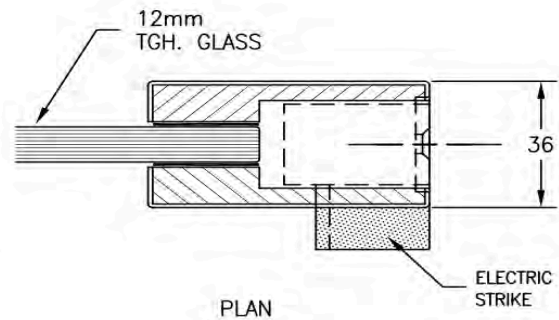
CD1051KE Patch Lock



NON HANDED

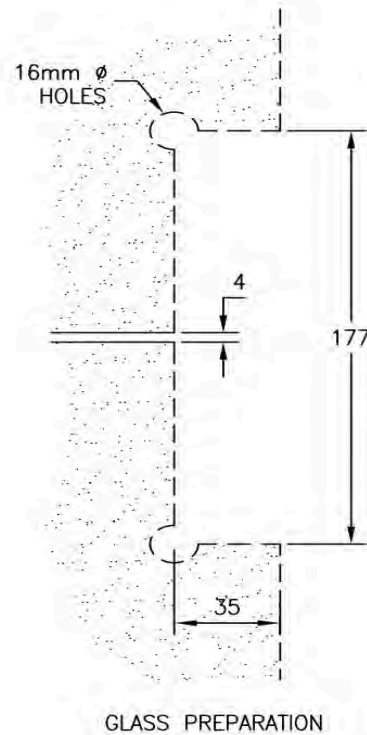
Note: state open in or open out at the time of order

Doors are handed from outside view and pivot side.



AVAILABLE FINISHES

- Aluminium: Mill, SAA
- Stainless: SSS, PSS



TECHNICAL DETAILS

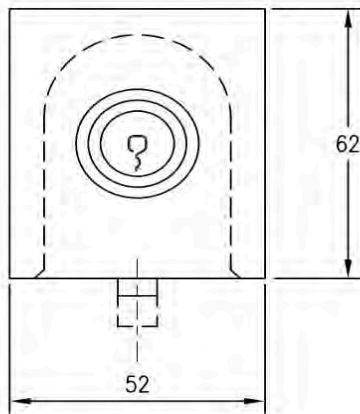
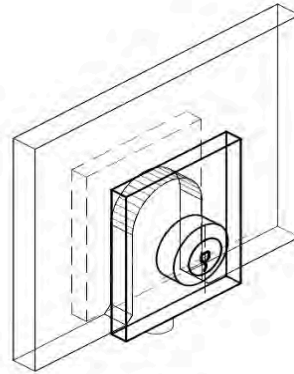
- ON-EAZI side fix electric strike patch keeper to suit CD1050, CD1050E and CD1050F, incorporating FSH FES20M electric strike
- Note: Wiring possibilities include surface pipe, edge channel or horizontal silicone joint
- Note: wiring in silicone joint indicated on drawing
- Specify glass thickness 10, 12 or 15mm
- Specify hand of door

CD49 Patch Lock

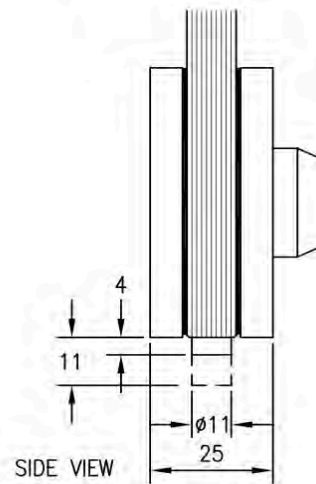


NON HANDED

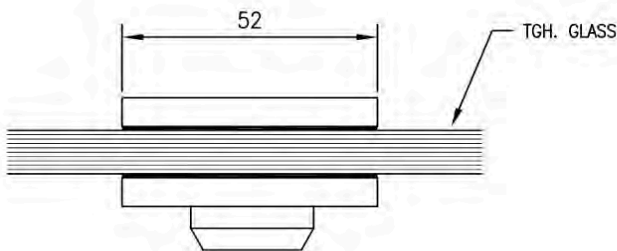
Doors are handed from outside view and pivot side.



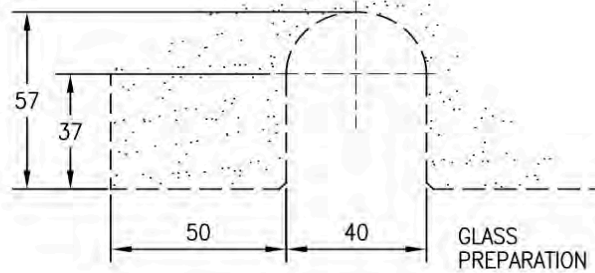
ELEVATION



SIDE VIEW



PLAN

GLASS
PREPARATION

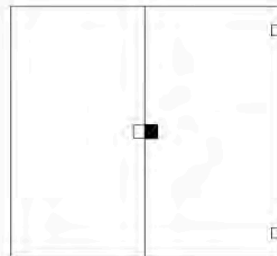
AVAILABLE FINISHES

- Aluminium: Mill, SAA
- Stainless: SSS, PSS

TECHNICAL DETAILS

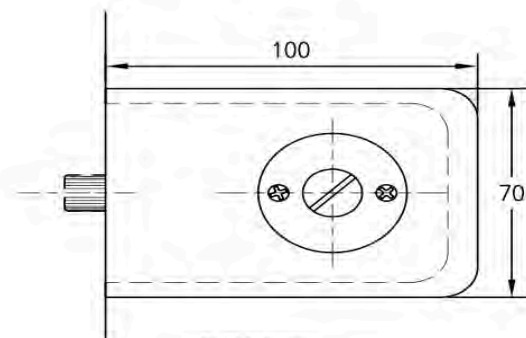
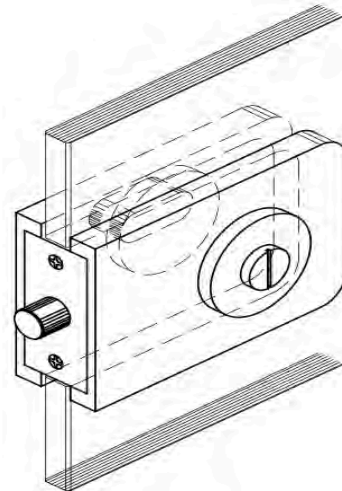
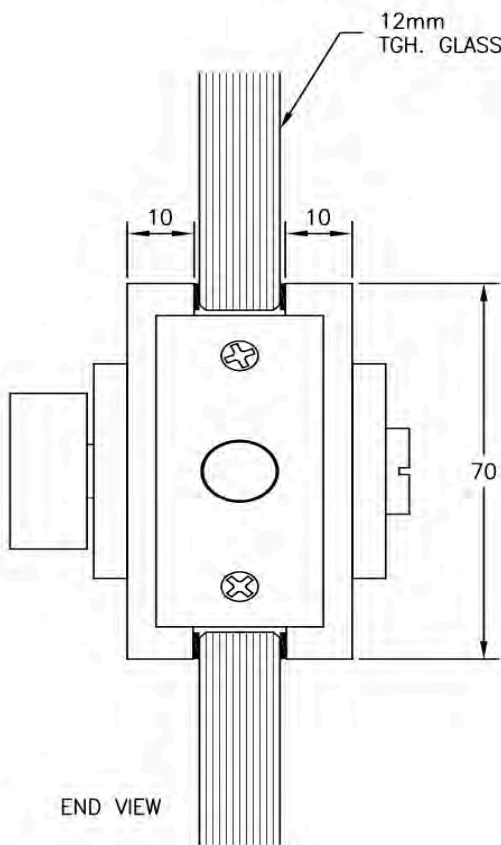
- ON-EAZI Euro type mini patch lock for showcase or small locking door
- Key operation from one side only
- Specify glass thickness 8 or 10mm
- Note: Add CD60-A floor keeper if required

CD56TP Patch Lock

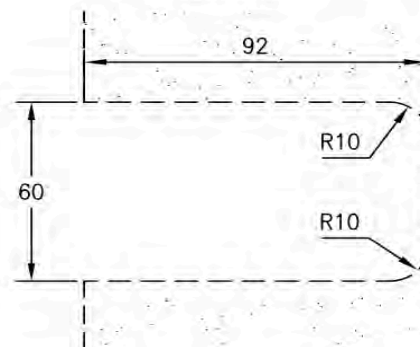


NON HANDED

Doors are handed from outside view and pivot side.



ELEVATION



GLASS PREPARATION

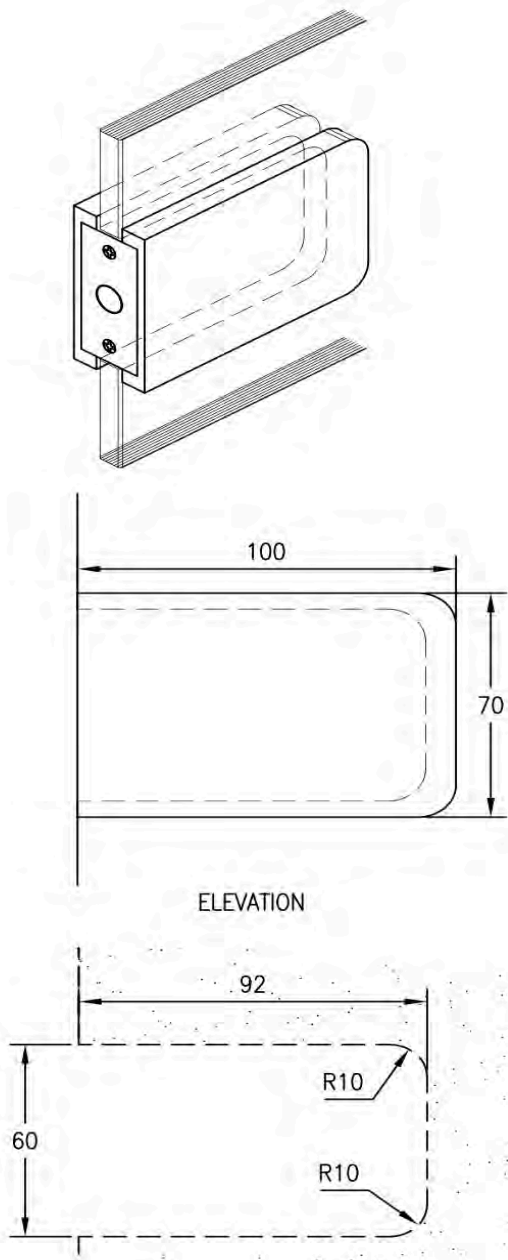
AVAILABLE FINISHES

- Aluminium: Mill, SAA
- Stainless: SSS, PSS

TECHNICAL DETAILS

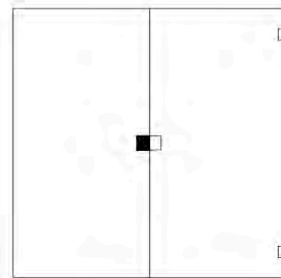
- ON-EAZI toilet door centre patch lock with privacy bolt set
- Specify glass thickness 8, 10, 12 or 15mm
- Note: Add CD56TPK matching patch keeper if required

CD56TPK Patch Lock

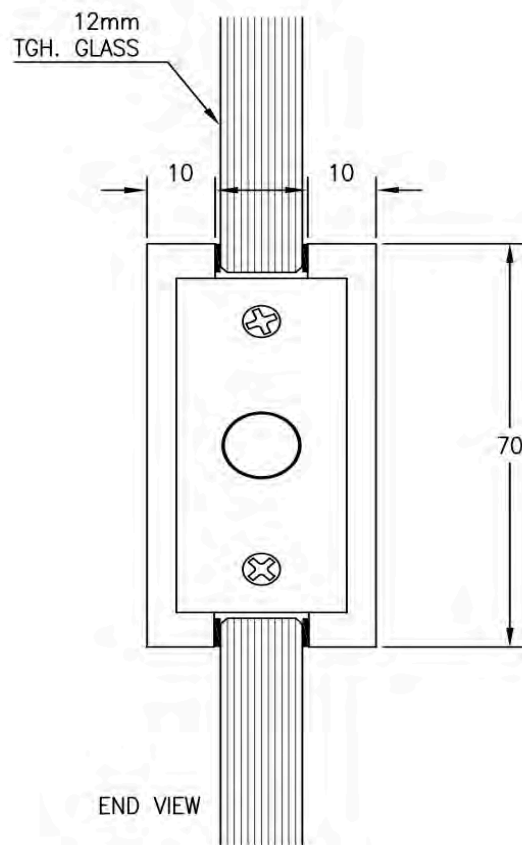


AVAILABLE FINISHES

- Stainless: SSS, PSS



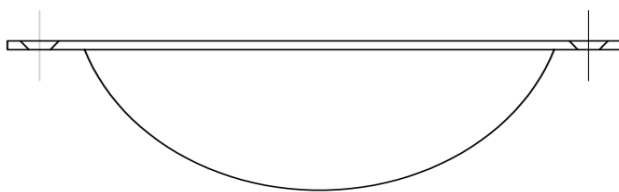
NON HANDED
Doors are handed from outside view and pivot side.



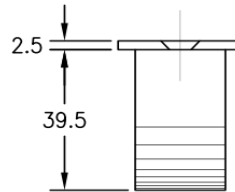
TECHNICAL DETAILS

- ON-EAZI toilet door centre patch lock keeper
- Specify glass thickness 8 or 10 or 12mm
- Note: CD56TP matching patch lock

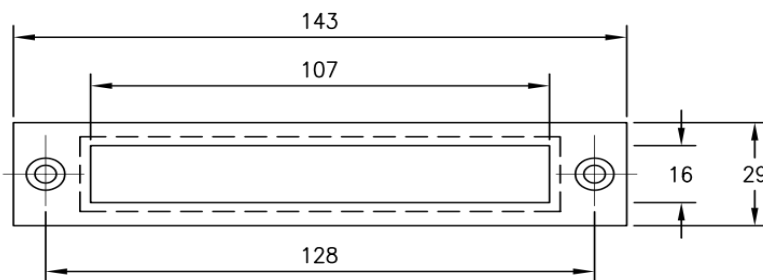
CD353 / CD353C / CD353C/S Patch Lock



SIDE VIEW



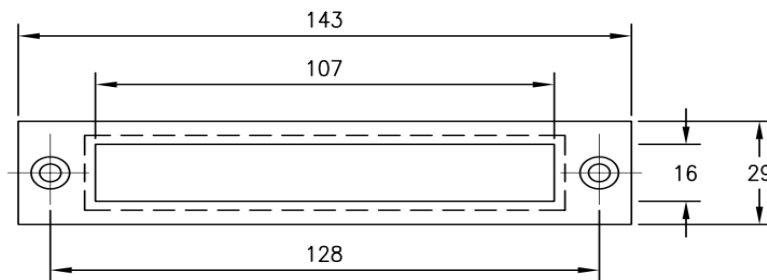
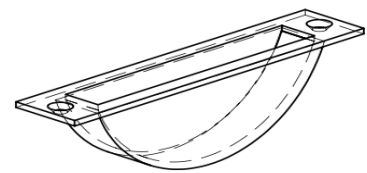
END VIEW



CD 353

LOCK TROUGH

PLAN



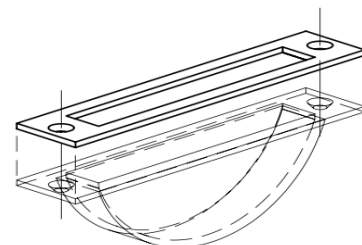
CD 353C

PLAN, FOR SWING DOOR



CD 353C/S

PLAN, FOR SLIDING DOOR



AVAILABLE FINISHES

- Stainless: SSS, PSS

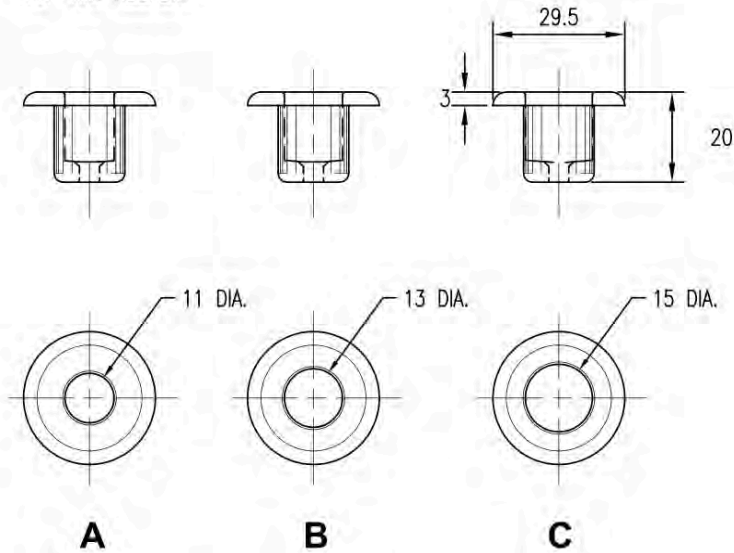
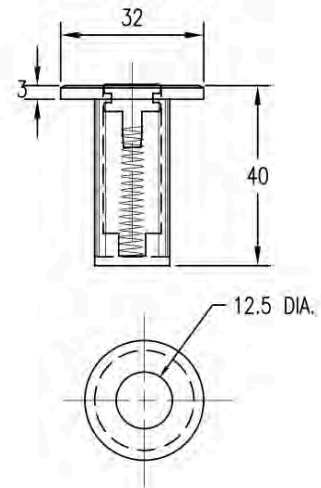
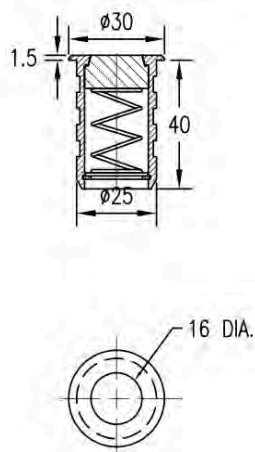
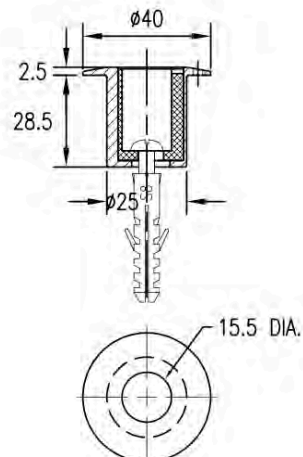
TECHNICAL DETAILS

- CD353: Cast lock trough floor keeper to suit DC590 long throw dead lock, finished in SCP
- CD353C: Lock trough cover plate to provide special finishes for CD353 lock trough
- CD353C/S: Lock trough cover plate to provide restricted trough opening for sliding door application

KEEPERS

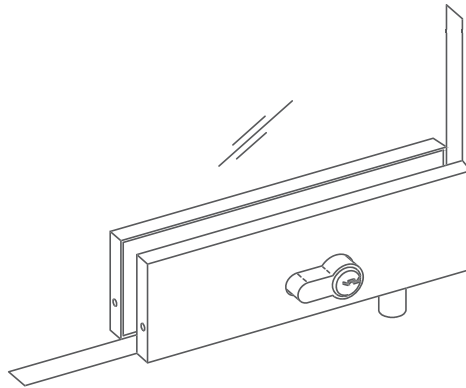
CD 60

TOP HAT KEEPER

**CD 60S**TOP HAT KEEPER
WITH DUST COVER**H80519300099**TOP HAT KEEPER WITH
SPRING LOADED COVER**M05.194**UNIVERSAL ECCENTRIC
BUSH KEEPER**AVAILABLE FINISHES**

- CD60 - Aluminium: Mill, SAA
- CD60S - Brass: SCP
- M05.193 - Aluminium: SAA
- M05.194 - Stainless: SSS

48700 Corner Lock



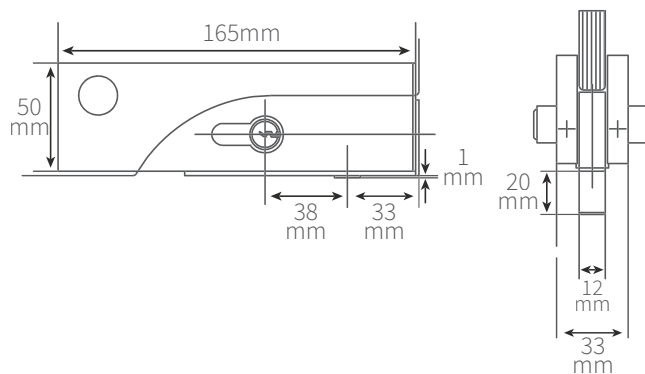
AVAILABLE FINISHES

- Satin silver anodised
- Polished stainless steel
- Satin stainless steel
- Polished brass

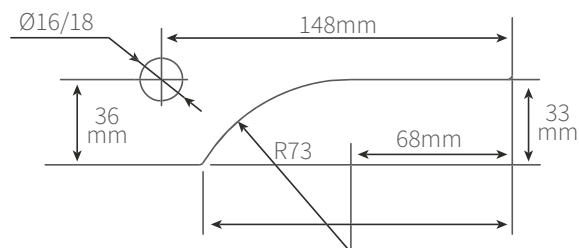
TECHNICAL DETAILS

- Corner pin lock – CASMA
- Maximum glass hold 150kg
- Recommended torque for fixing screws Nm 14-16
- Euro style cylinder

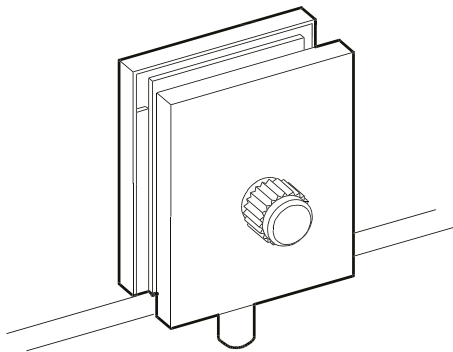
DETAIL



INSITU APPLICATION



14600 /14700 Internal cylinder / snib lock



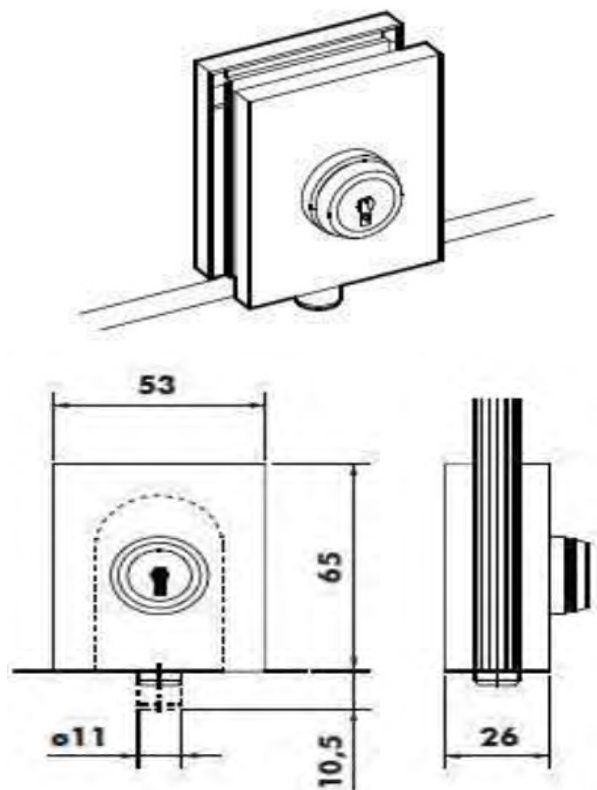
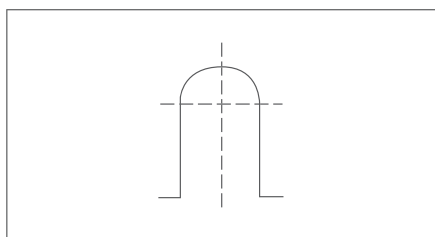
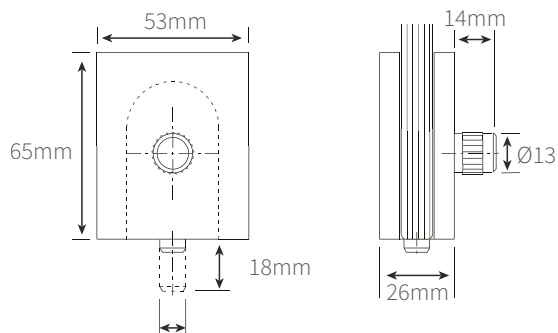
AVAILABLE FINISHES

- Polished stainless steel
- Satin stainless steel

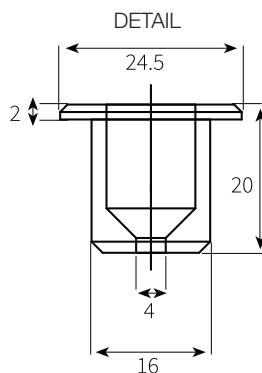
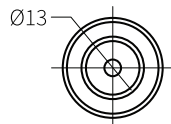
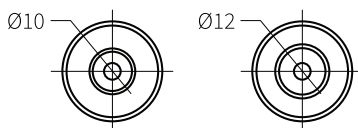
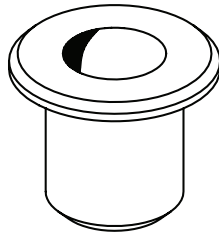
TECHNICAL DETAILS

- Bottom pin lock with thumbturn (14700) or lock (14600)
- Internal single snib lock
- Maximum glass hold 90kg

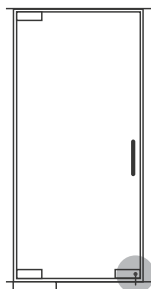
DETAIL



15501 / 15502 Floor Ferule



INSITU APPLICATION



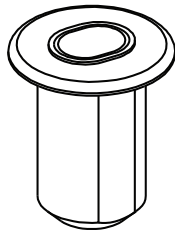
AVAILABLE FINISHES

- Natural anodised

TECHNICAL DETAILS

- To be used in flooring or structure with pin locks
- Use with 10, 12 and 13 diameter pin style locks in show cases

15519 Floor Ferule Elongated Hole



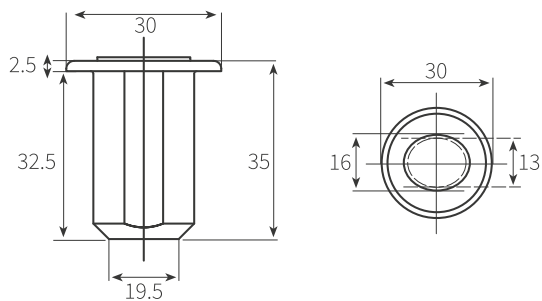
DETAIL

AVAILABLE FINISHES

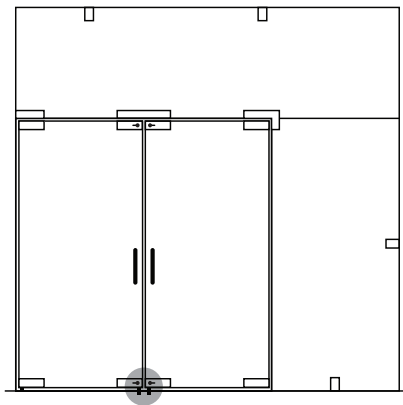
- Satin stainless steel

TECHNICAL DETAILS

- To be used in flooring or structure with pin locks
- Elongated hole for adjustment with lock on site
- Suitable for eurostyle pin locks in floor



INSITU APPLICATION

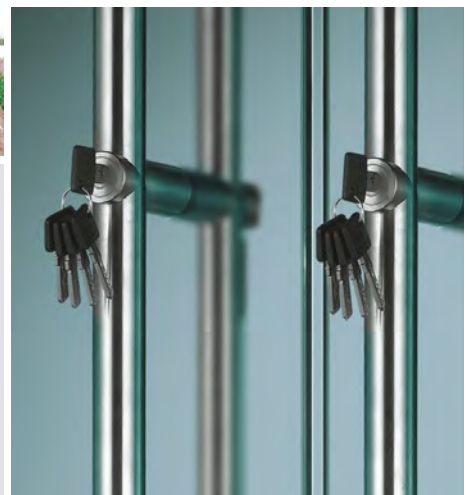
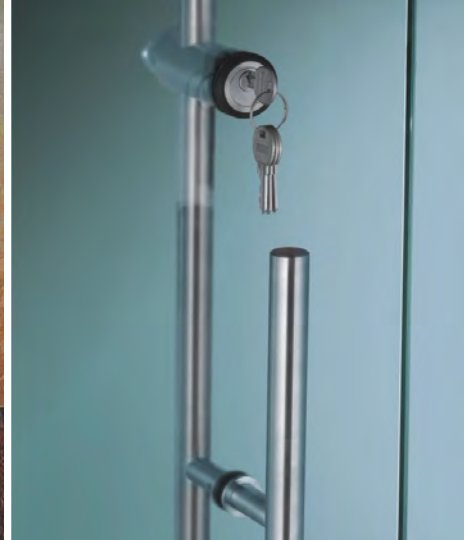


Locking Pull Handles



Locking Handles provide an elegant and practical solution to top and bottom mounted locks. No more crouching down or climbing up to operate the conveniently positioned locks and turns.

Locks can be either single into the floor or double locking into both the floor and transom.



Locking Pull Handles (Cont'd)

AVAILABLE FINISHES

- Satin finish available ex-stock
- Polished finish available for special order

TECHNICAL DETAILS

- Prices listed are for locking handles to suit 10mm, 12mm and 15mm glass only
- Handles are available as 'Lock/Lock' or 'Lock/Turn', pricing available on request
- Locks should be ordered as 'keyed alike' or 'keyed randomly'
- Locking bolt diameter 15mm throw 35mm
- Locking handles supplied with cylindrical keeper 44mm high

HL-515



HL-511



HL-540



HL-541



HL-530



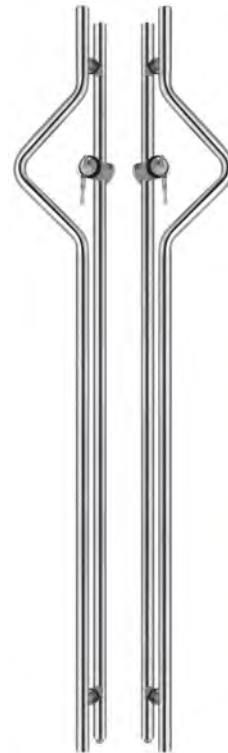
HL-531



HL-501



HL-506



CODE	HEIGHT	HANDLE	LOCK
HL-515	1500mm	38 x 25mm	Floor
HL-511	1500mm	35mm diameter	Floor
HL-540	200mm	38 x 25mm	Keeper
HL-541	2200mm	38 x 25mm	Floor & Top

CODE	HEIGHT	HANDLE	LOCK
HL-530	200mm	35mm diameter	Keeper
HL-531	2200mm	35mm diameter	Floor & Top
HL-501	1400mm	25mm diameter	Floor
HL-506	1340mm	25mm diameter	Floor

GHA H10-300 "D" Pull Handle BACK TO BACK



AVAILABLE FINISHES

- Satin stainless steel

TECHNICAL DETAILS

- Material 304
- Diameter 32mm
- Centres 300
- Hole diameter 14mm

GHA-H10-600 Pull Handle



AVAILABLE FINISHES

- Satin stainless steel

TECHNICAL DETAILS

- Material 304
- Size 632mm
- Hole centres 600mm
- Diameter 32mm
- Hole size 14mm

GHA H20-300 Offset "D" Pull Handle BACK TO BACK



AVAILABLE FINISHES

- Satin stainless steel

TECHNICAL DETAILS

- Material 304
- Diameter 32mm
- Centres 300
- Hole diameter 14mm

GHA H30-300 Offset "C" Pull Handle BACK TO BACK



AVAILABLE FINISHES

- Satin stainless steel

TECHNICAL DETAILS

- Suitable for aluminum framed glass
- Material 304
- Diameter 32mm
- Centres 300
- Hole diameter 14mm

GHA H40-600 Pull Handle



AVAILABLE FINISHES

- Satin stainless steel

TECHNICAL DETAILS

- Material 316
- Diameter 32mm
- Centres 300
- Hole diameter 14mm

GHA-H80 Square Pull Handle BACK TO BACK



AVAILABLE FINISHES

- Satin stainless steel
- Black

TECHNICAL DETAILS

- Material 304
- Size 40 x 20mm
- Centres 600
- Hole diameter 14mm
- Overall 620mm

GHA-H070/H074/H078 Straight BACK TO BACK



AVAILABLE FINISHES

- Satin stainless steel

TECHNICAL DETAILS

- Material 304
- Hole diameter 14mm

CODE	SIZE	OVERALL	CENTRES
GHA-H070	30 x 15mm	480	450
GHA-H074	30 x 15mm	630	600
GHA-H078	30 x 15mm	1030	1000

GHA-H90/H170/H174/H178 Square Offset Pull Handle [BACK TO BACK](#)

AVAILABLE FINISHES

- Satin stainless steel

TECHNICAL DETAILS

- Material 304
- Hole diameter 14mm

CODE	SIZE	OVERALL	CENTRES
GHA-H90	15 x 15mm	625	600
GHA-H170	30 x 15mm	480	450
GHA-H174	30 x 15mm	630	600
GHA-H178	30 x 15mm	1030	1000

GHA-HD160



AVAILABLE FINISHES

- Satin stainless steel

TECHNICAL DETAILS

- 50 x 25
- Material 304
- Hole diameter 14mm

CODE	SIZE	OVERALL	CENTRES
GHA-HD160	625x600	625	600
GHA-HD160	825x800	825	800
GHA-HD160	1025x1000	1025	1000

GHA-H142 Straight Pull Handle BACK TO BACK



AVAILABLE FINISHES

- Satin stainless steel

TECHNICAL DETAILS

- Material 304
- Hole diameter 15mm

CODE	DIAMETER	OVERALL	CENTRES
GHA-H142	25	450	305
	25	600	450
	25	800	600
	25	1000	800
	25	1200	1000
	25	1400	1200
	32	600	450 (400)
	32	800	600
	32	1000	800
	32	1200	1000
	32	1400	1200
	32	1600	1400
	32	1800	1600

Milano Folding Door System

The edge hung Milano folding door system incorporates elegantly crafted cast stainless steel fittings

Rollers mounted at the glass corners allow the panels to fold clear of one end and be stacked either inside or outside of the room. Designed for glass panel thickness of 8/10/12mm with a gap between the glass panels of less than 3mm. Several different handle and locking arrangements are available for various layouts. We would be pleased to discuss these with you.

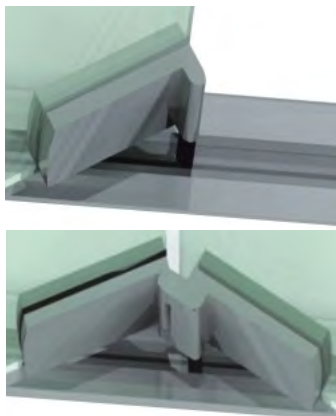
LS-13-CC Milano Stainless Steel Sliding Door Lock



AVAILABLE FINISHES

- Satin stainless steel

DT-215 Milano Stainless Steel Floor Guide



AVAILABLE FINISHES

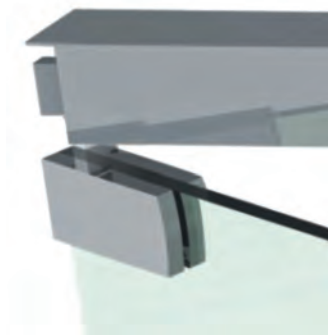
- Satin stainless steel

TECHNICAL DETAILS

- Rollers mounted at the glass corners allow the panels to fold clear of one end and be stacked either inside or outside of the room
- Designed for glass panel thickness' of 8mm, 10mm or 12mm with a gap between the glass panels of less than 3mm
- Several different handle and locking arrangements are available

Specify glass thickness when ordering

DF-216



AVAILABLE FINISHES

- Satin stainless steel

TECHNICAL DETAILS

- Available either as a 4 or 5 panel kit, or individual components
- Top track stock length 4m with a clear anodised finish as standard
- Bottom track is 4m pressed stainless steel with satin finish
- All glass is to be monolithic and fully toughened in accordance with AS 2208

Specify glass thickness when ordering

DF-206



AVAILABLE FINISHES

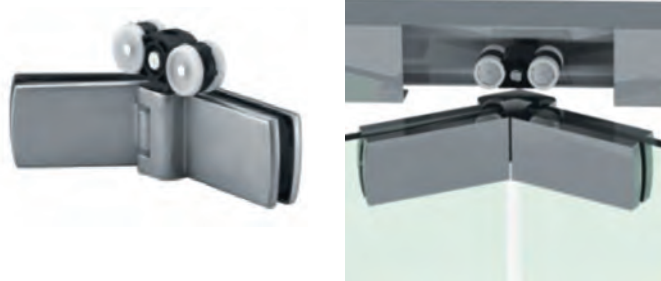
- Satin stainless steel

TECHNICAL DETAILS

- Available either as a 4 or 5 panel kit, or individual components
- Top track stock length 4m with a clear anodised finish as standard
- Bottom track is 4m pressed stainless steel with satin finish
- All glass is to be monolithic and fully toughened in accordance with AS 2208

Specify glass thickness when ordering

DF-210



AVAILABLE FINISHES

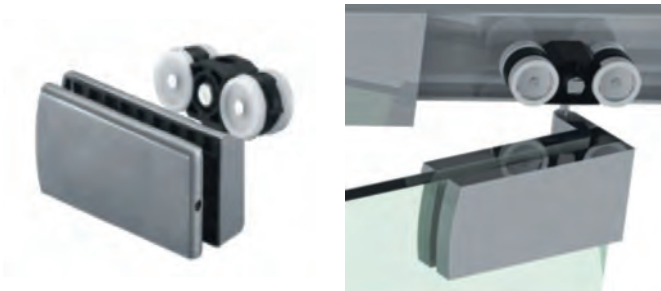
- Satin stainless steel

TECHNICAL DETAILS

- Available either as a 4 or 5 panel kit, or individual components
- Top track stock length 4m with a clear anodised finish as standard
- Bottom track is 4m pressed stainless steel with satin finish
- All glass is to be monolithic and fully toughened in accordance with AS 2208

Specify glass thickness when ordering

DF-211



AVAILABLE FINISHES

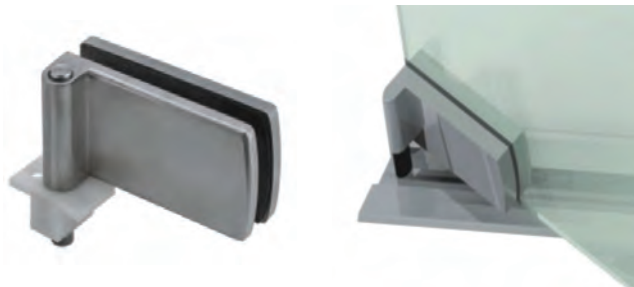
- Satin stainless steel

TECHNICAL DETAILS

- Available either as a 4 or 5 panel kit, or individual components
- Top track stock length 4m with a clear anodised finish as standard
- Bottom track is 4m pressed stainless steel with satin finish
- All glass is to be monolithic and fully toughened in accordance with AS 2208

Specify glass thickness when ordering

DF-217



AVAILABLE FINISHES

- Satin stainless steel

TECHNICAL DETAILS

- Available either as a 4 or 5 panel kit, or individual components
- Top track stock length 4m with a clear anodised finish as standard
- Bottom track is 4m pressed stainless steel with satin finish
- All glass is to be monolithic and fully toughened in accordance with AS 2208

Specify glass thickness when ordering

DF-213



AVAILABLE FINISHES

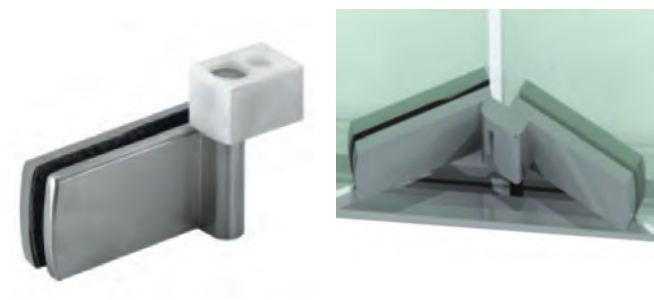
- Satin stainless steel

TECHNICAL DETAILS

- Available either as a 4 or 5 panel kit, or individual components
- Top track stock length 4m with a clear anodised finish as standard
- Bottom track is 4m pressed stainless steel with satin finish
- All glass is to be monolithic and fully toughened in accordance with AS 2208

Specify glass thickness when ordering

DF-212



AVAILABLE FINISHES

- Satin stainless steel

TECHNICAL DETAILS

- Available either as a 4 or 5 panel kit, or individual components
- Top track stock length 4m with a clear anodised finish as standard
- Bottom track is 4m pressed stainless steel with satin finish
- All glass is to be monolithic and fully toughened in accordance with AS 2208

Specify glass thickness when ordering

DF-214



AVAILABLE FINISHES

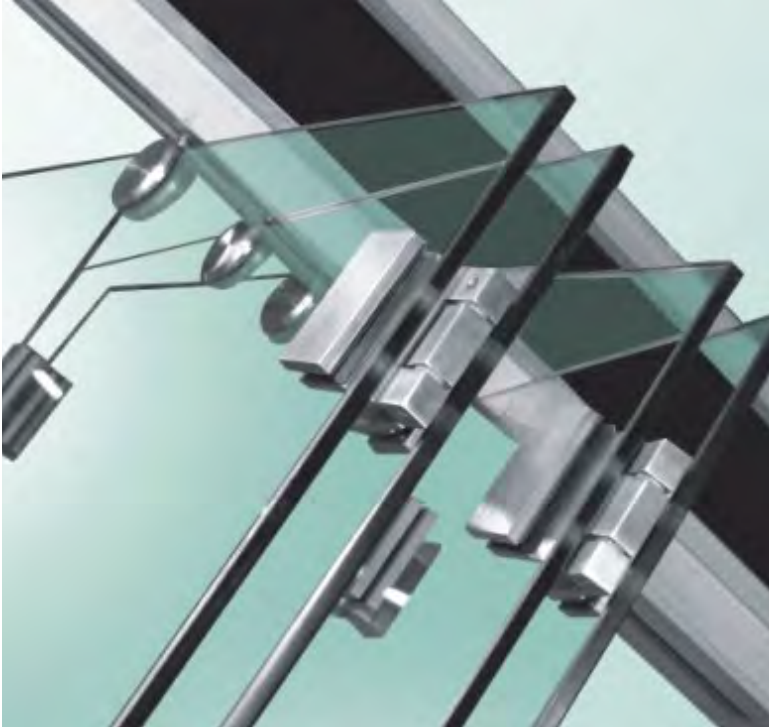
- Satin stainless steel

TECHNICAL DETAILS

- Available either as a 4 or 5 panel kit, or individual components
- Top track stock length 4m with a clear anodised finish as standard
- Bottom track is 4m pressed stainless steel with satin finish
- All glass is to be monolithic and fully toughened in accordance with AS 2208

Specify glass thickness when ordering

Napoli Folding Door System



Perfect design and elegant style

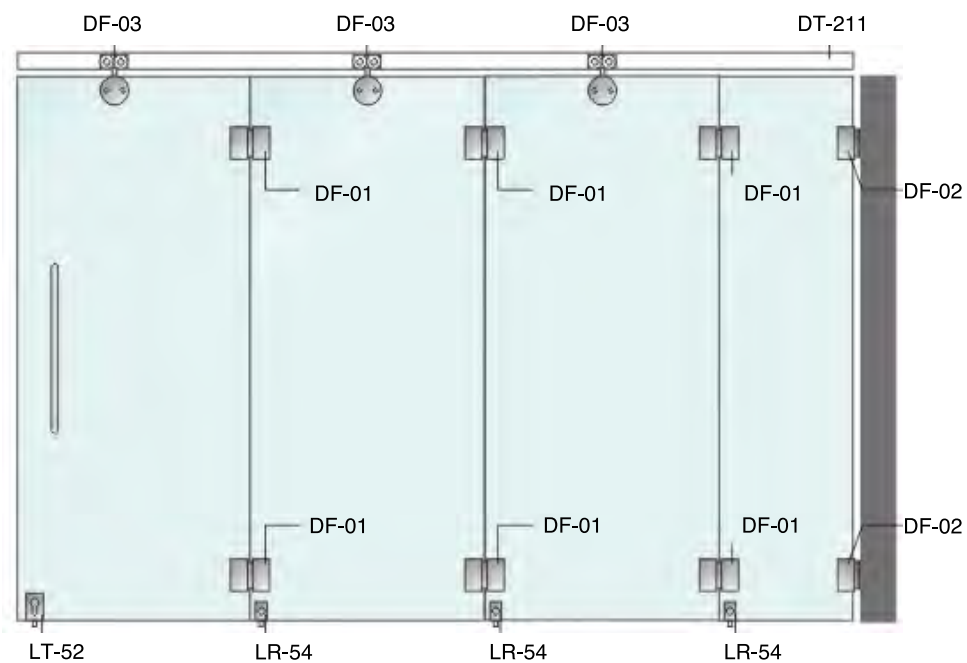
Panels of NAPOLI series of movable glass partitions can form a continuous transparent partition without the requirement for any frame. Rollers mounted at the top centre of the glass panels provide balanced support, and together with the screw fixed hinges in the first panel, eliminate the requirement for a bottom guide track.

Hinges are mounted onto the glass with no visible fixings providing a sleek and stylish appearance.

Overhead track can be either surface mounted or recessed into the ceiling.



Napoli Folding Door System Diagram



Folding door with
central roller, pull
handle and bottom
floor lock

Folding door with
central roller and
floor bolt

Folding door with
central roller and
floor bolt

Half panel
folding door
with screw
fixed hinges
and floor
bolt



DT-211



AVAILABLE FINISHES

- Satin stainless steel

*Specify glass thickness
when ordering*

TECHNICAL DETAILS

- Available either as a 4 or 5 panel kit, or individual components
- Handles to be ordered separately
- Top track stock length 4m with a clear anodised finish as standard
- All glass is to be monolithic and fully toughened in accordance with AS 2208

DF-03



AVAILABLE FINISHES

- Satin stainless steel

*Specify glass thickness
when ordering*

TECHNICAL DETAILS

- Available either as a 4 or 5 panel kit, or individual components
- Handles to be ordered separately
- Top track stock length 4m with a clear anodised finish as standard
- All glass is to be monolithic and fully toughened in accordance with AS 2208

DF-01



AVAILABLE FINISHES

- Satin stainless steel

*Specify glass thickness
when ordering*

TECHNICAL DETAILS

- Available either as a 4 or 5 panel kit, or individual components
- Handles to be ordered separately
- Top track stock length 4m with a clear anodised finish as standard
- All glass is to be monolithic and fully toughened in accordance with AS 2208

DF-02



AVAILABLE FINISHES

- Satin stainless steel

*Specify glass thickness
when ordering*

TECHNICAL DETAILS

- Available either as a 4 or 5 panel kit, or individual components
- Handles to be ordered separately
- Top track stock length 4m with a clear anodised finish as standard
- All glass is to be monolithic and fully toughened in accordance with AS 2208

DLT-52



AVAILABLE FINISHES

- Satin stainless steel

*Specify glass thickness
when ordering*

TECHNICAL DETAILS

- Available either as a 4 or 5 panel kit, or individual components
- Handles to be ordered separately
- Top track stock length 4m with a clear anodised finish as standard
- All glass is to be monolithic and fully toughened in accordance with AS 2208

DLT-54



AVAILABLE FINISHES

- Satin stainless steel

*Specify glass thickness
when ordering*

TECHNICAL DETAILS

- Available either as a 4 or 5 panel kit, or individual components
- Handles to be ordered separately
- Top track stock length 4m with a clear anodised finish as standard
- All glass is to be monolithic and fully toughened in accordance with AS 2208

AK-100



AVAILABLE FINISHES

- Satin stainless steel

*Specify glass thickness
when ordering*

TECHNICAL DETAILS

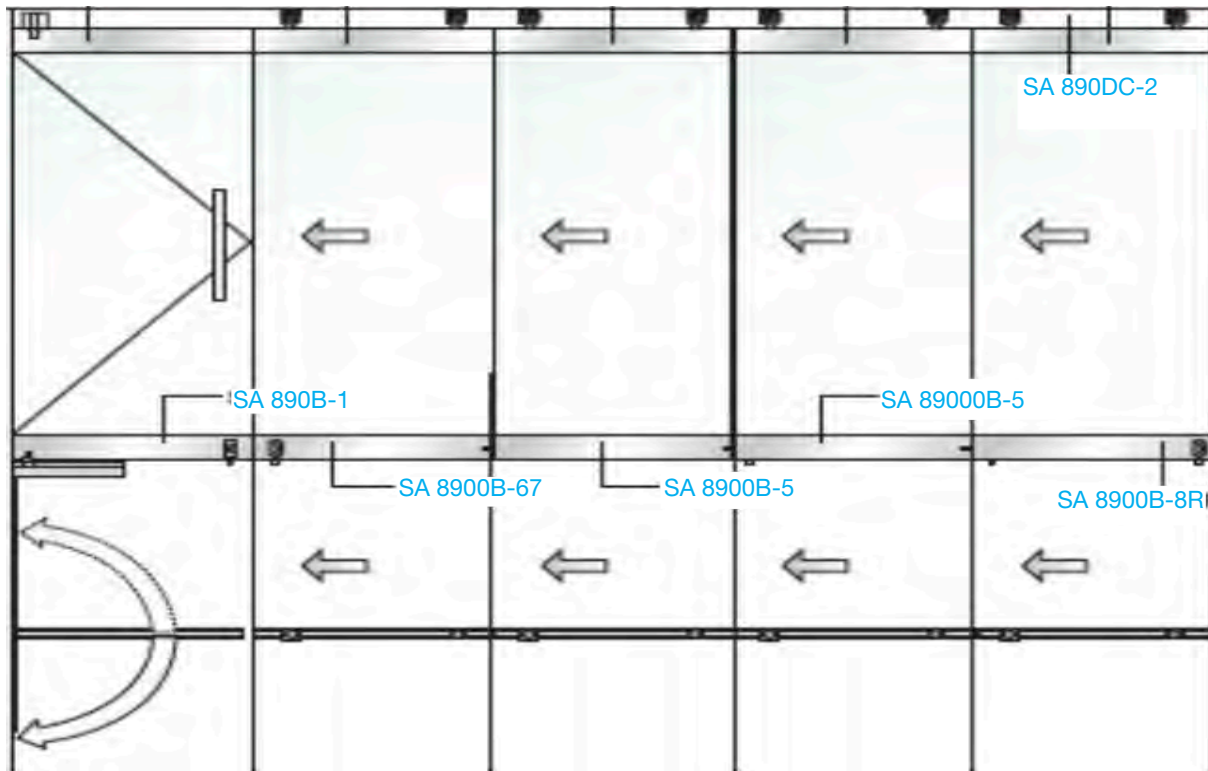
- Available either as a 4 or 5 panel kit, or individual components
- Handles to be ordered separately
- Top track stock length 4m with a clear anodised finish as standard
- All glass is to be monolithic and fully toughened in accordance with AS 2208

8900B Stacking Door System



DOORS MOVE SEPERATLY
GLIDE SMOOTHLY

8900B Stacking Door System



Upper and lower door clips are provided at the end four leaf, in match of the floor-spring driven double-acting door, not movable

Movable door leaf, movable door hanging pulley and bottom bolt

Movable door leaf, movable door hanging pulley and bottom bolt

Movable door leaf, movable door hanging pulley and bottom bolt

Movable door leaf, movable door hanging pulley and bottom bolt

3500mm
1000mm
120kg

3500mm
1000mm
120kg

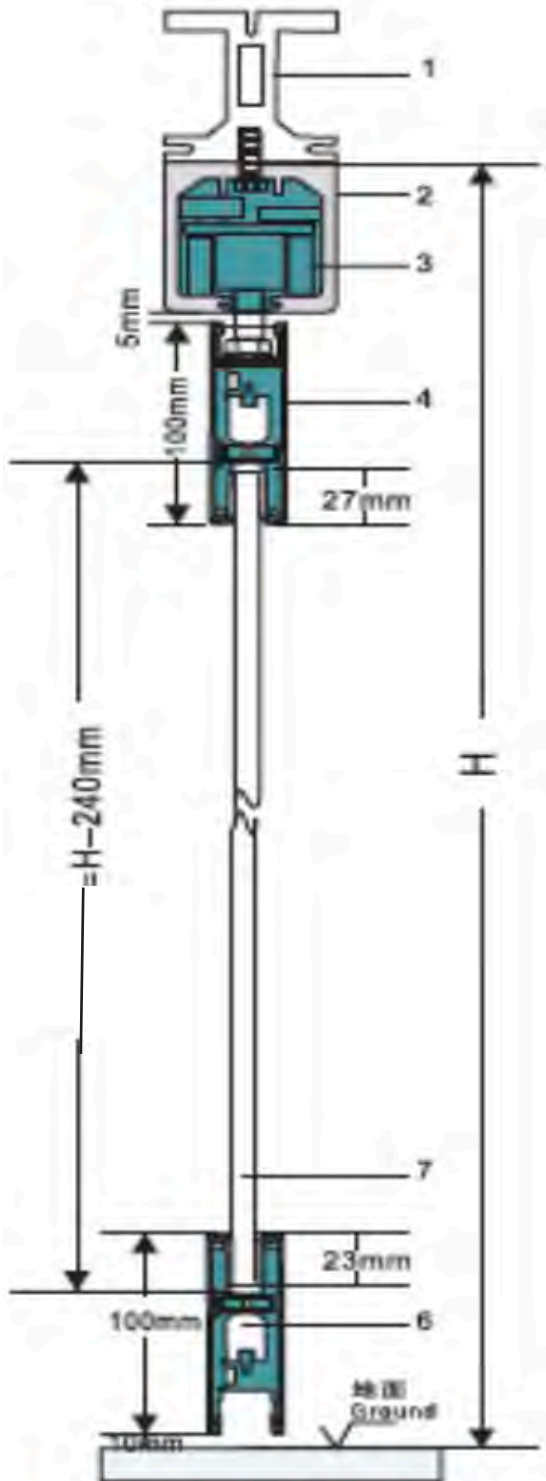
3500mm
1000mm
120kg

3500mm
1000mm
120kg

3500mm
1000mm
120kg



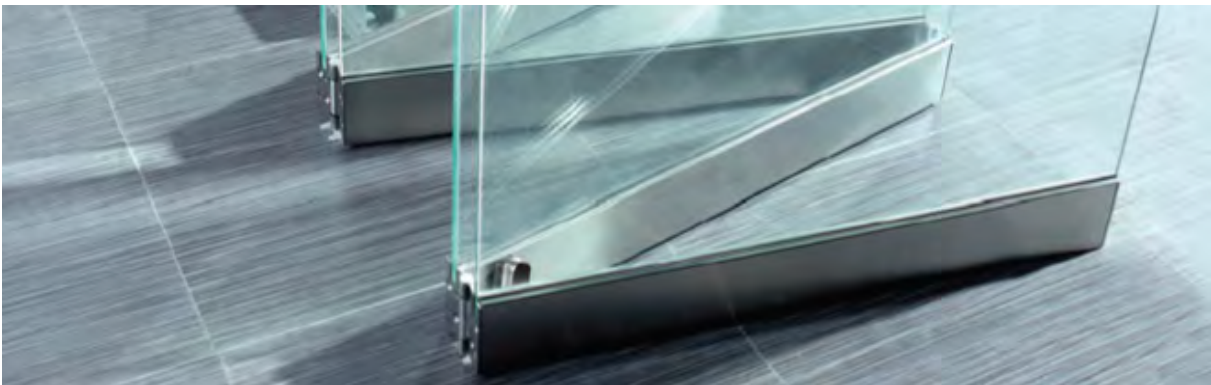
8900B Components



COMPONENTS

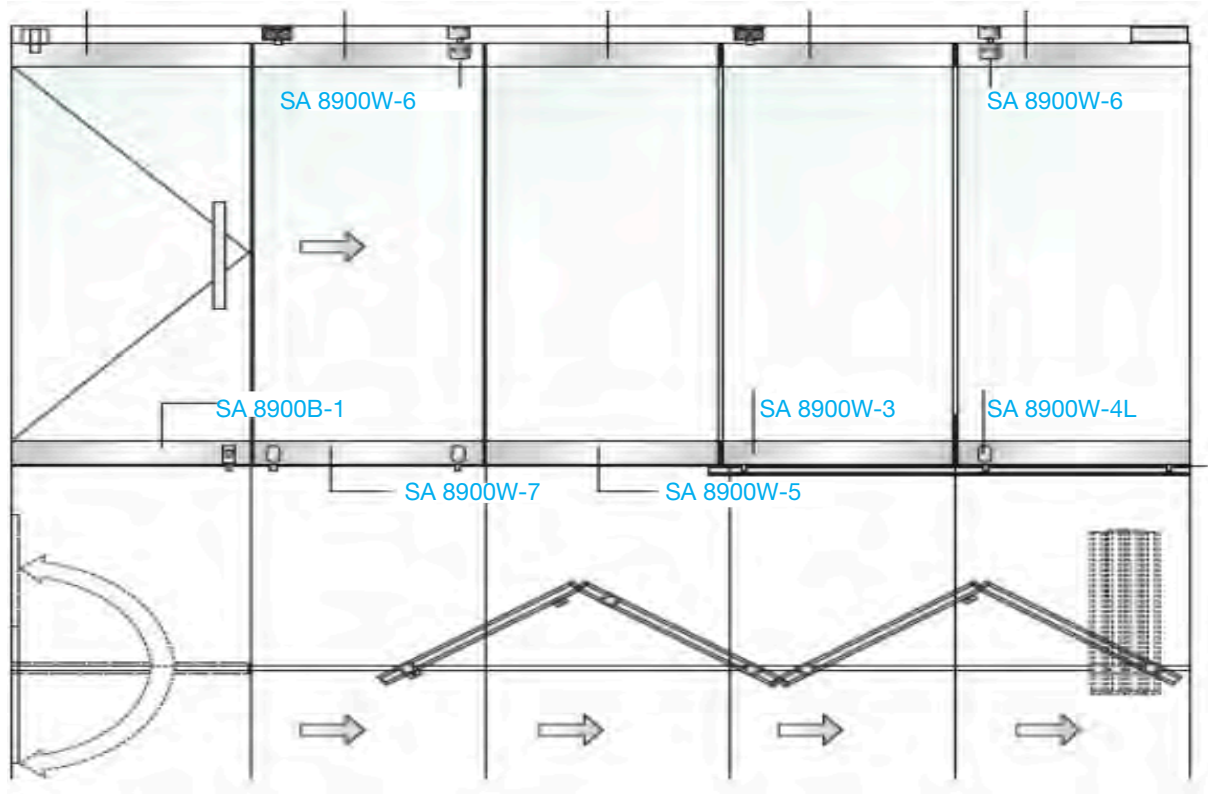


8900W Bifold Door System



USE OPENING DOORS
AND BIFOLDING
TOGETHER CAN COMBINE
AND BIFOLD BOTH LEFT
AND RIGHT OPENING

8900W Bifold Door System



End door leaf, equipped with upper and lower fixing door strips, matching floor spring, double-acting type, non-folding

Folding door leaf, folding door hanging pulley and bottom bolt

Upper and lower folding door leaves

Folding door leaf, folding door hanging pulley and bottom bolt

Beginning door leaf, equipped with upper and lower fixing door strips and bottom bolt

3000mm
1000mm
90kg

3000mm
1000mm
90kg

3000mm
1000mm
90kg

3000mm
1000mm
90kg

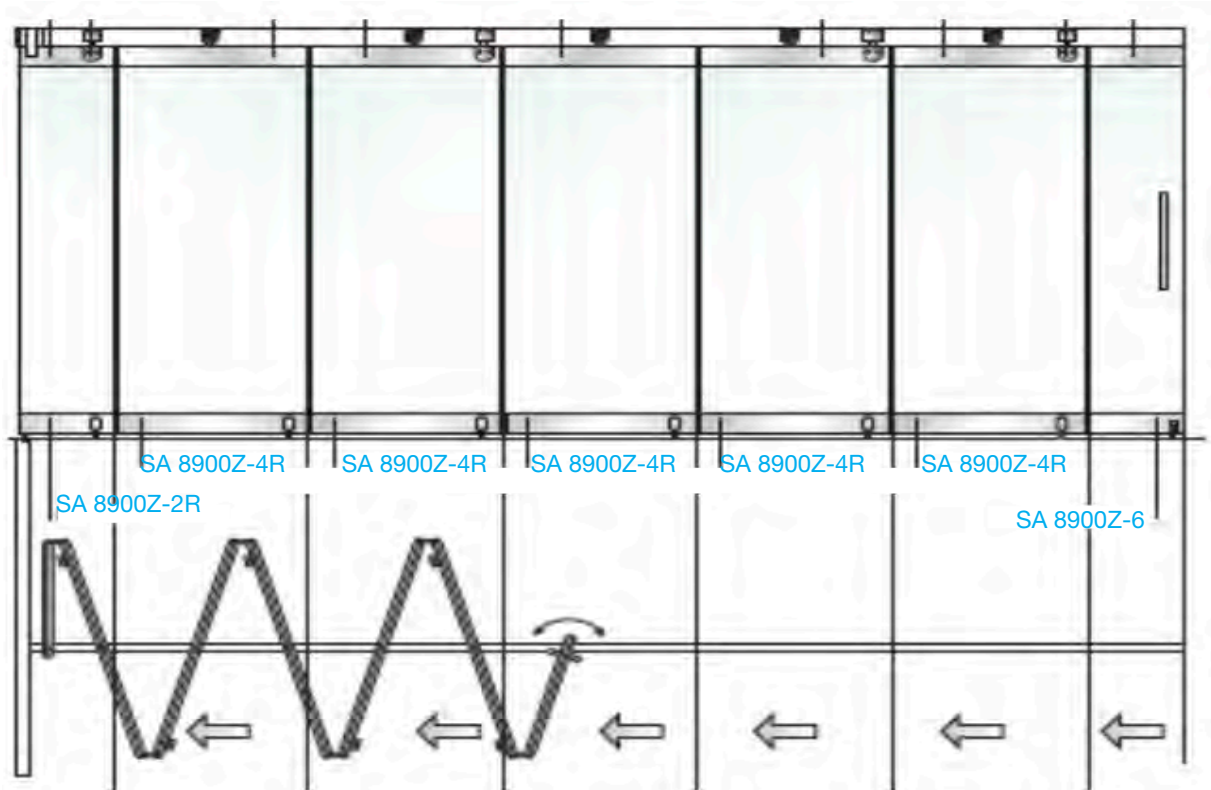
3000mm
1000mm
90kg

8900Z Using 1/2 Panels to Have Complete Opening

Simple and Easy

Folding glass partition panels are of streamlined design without any obstruction therein; in addition, the glass curtain walls are more transparent; both upper and lower door strips are connected into integrity, to ensure stability and smoothness; easy operation ensures only one person completes the whole partitioning process, satisfactory for the partitioning of various spaces and shops.

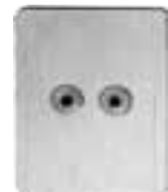
8900Z Bifold Door System



The beginning folding door leaf is equipped with upper and lower fixed door leaves and bottom lock	Folding door leaf, folding door hanging pulley and bottom bolt	Folding door leaf, folding door hanging pulley and bottom bolt	Folding door leaf, folding door hanging pulley and bottom bolt	Folding door leaf, folding door hanging pulley and bottom bolt	Folding door leaf, folding door hanging pulley and bottom bolt	End folding door leaf equipped with upper and lower locks
3000mm	3000mm	3000mm	3000mm	3000mm	3000mm	3000mm
	1000mm	1000mm	1000mm	1000mm	1000mm	
	90kg	90kg	90kg	90kg	90kg	



ALSO AVAILABLE USING PATCH FITTINGS - 8900A

8300H Bottom Sliding Door System**8300H** Patch Fittings**8300H.1 - ROLLERS****8300H.2 - TRACK****8300H.4 - CLAMP****8300H.3 - TOP TRACK****8300H.5 - STOP****8300H.6 - END CAPS****SK90 - HANDLE**

40 Series Sliding Door



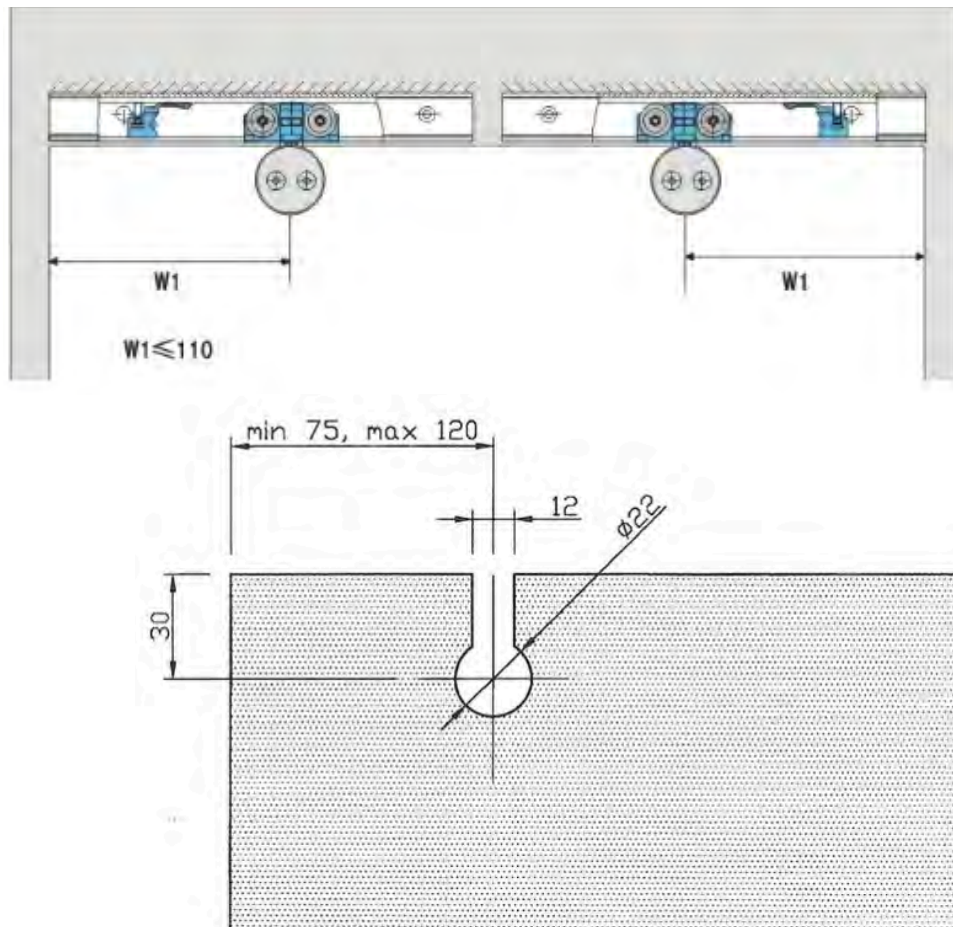
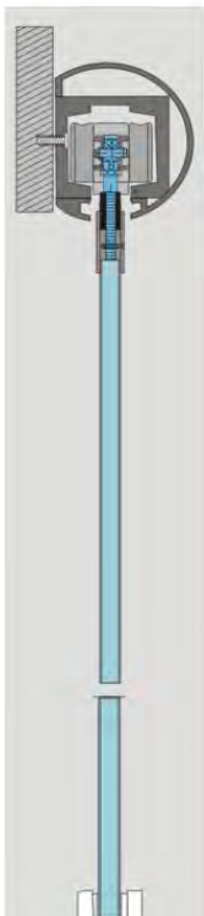
The 40 series range of sliding doors provides a comprehensive range of aluminium overhead tracks and roller types to suit most sliding doors including glass, wood and aluminium.

40-4 Sliding Track

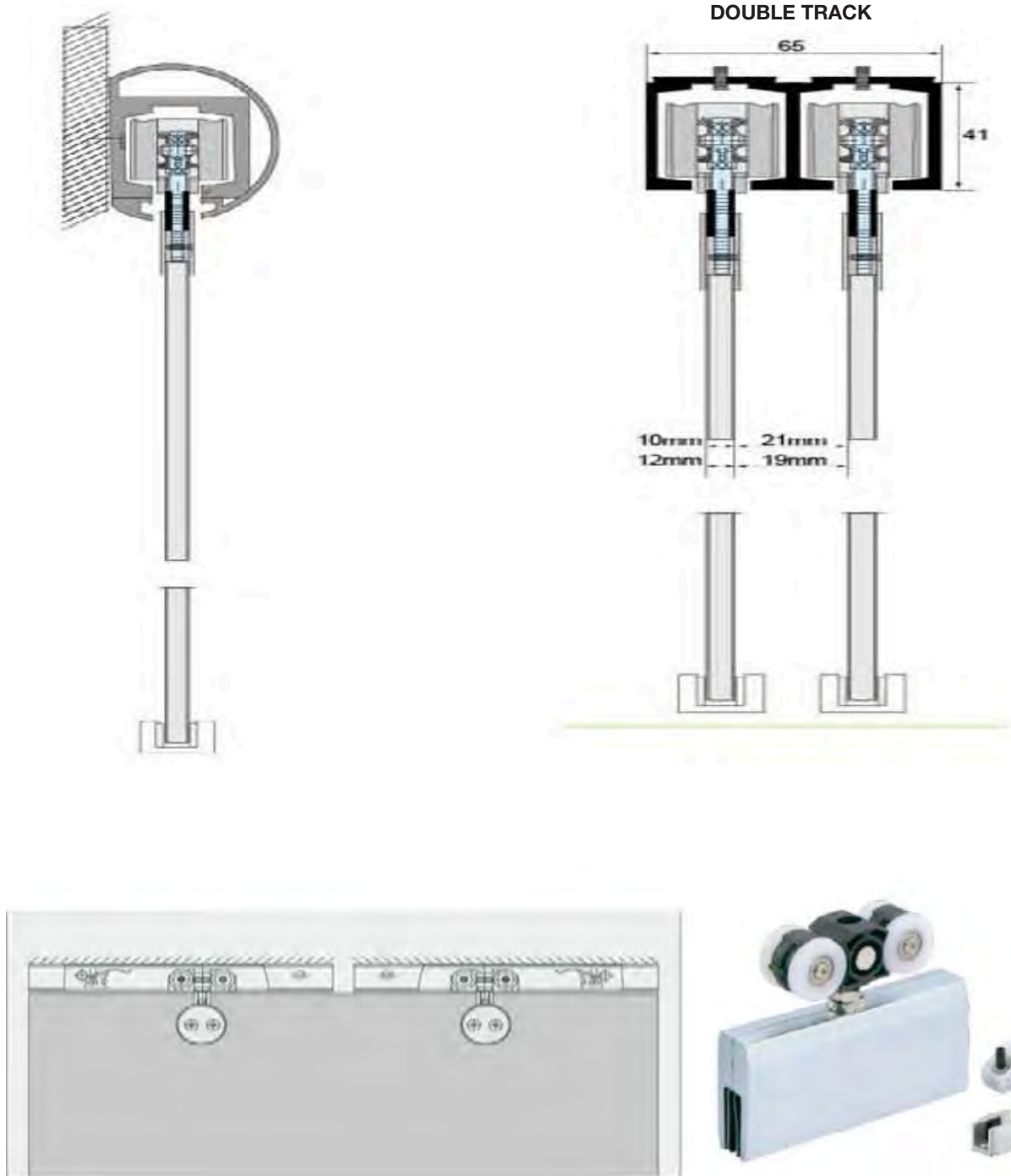


The 40-4 track is designed for surface mounting to a wall and features a curved snap on cover to conceal the mounting screw holes.











A small selection of roller types, locks and handles is shown here. For further options and information please contact the sales team.



GHAFFSD Face Fix Sliding Door







Fittings





CODE		NOTES	GLASS CLEARANCES				DETAILS
			DT-101, 102, 103 Top of glass to u/s track		DT-104 Top of glass to u/s track		
			NOMINAL GAP	MAX/MIN GAP	NOMINAL GAP	MAX/MIN GAP	
SA-102		End cap for DT-101					
SA-103		Internal stop for all tracks					
SA-104R		End cap for DT-104					
SA-104L		End cap for DT-104					
SA-105		Bracket for mounting track DT-101, 102, 103 to wall					
SA-106-CH		Countersunk bracket for mounting all tracks to fixed glass panel					
SA-106-RH		Round head bracket for mounting all tracks to fixed glass panel					
SA-114		Internal 90 degree connection bracket for all tracks					
SA-115		Internal bracket to mount track to wall					
SG-01		Floor guide adjustable for 8, 10, 12, 15mm thick glass	10mm	Min 6.5mm Max 16mm	10mm	Min 6.5mm Max 16mm	22mm High 31mm Wide 44mm Long





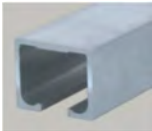

Tracks

CODE		NOTES	DETAILS
DT-101		Over head mounted	41mm High 38mm Wide
DT-102		Over head mounted double track	41mm high 65mm wide Roller centrelines 31mm
DT-103		Over head mounted side glazing pocket	41mm high 50mm wide Glazing pocket 13.9mm wide
DT-104		Wall mounted pre-drilled holes clip on cover	58mm high 48mm wide

Handles / Finger Pulls

CODE		NOTES	DETAILS
SH-16		Solid cast handle	73mm High 25mm Wide 33 proud from glass
SH-17		Solid cast handle	165mm High 24mm Wide 17 proud from glass
SH-19SQ		Cast square finger pull handle	50mm High 50mm Wide 12 proud from glass
SH-101		Cast finger pull handle	58mm Diameter 9 proud from glass

Series 220 Sliding Track System

CODE		DOOR WEIGHT
SW-222		300kg
SW-223		400kg
DT-221		Track Height 49.5mm Width 57.71mm
A01 Glazing Clamp		Patch Height 115mm Width 70mm

Sliding Door Locks

CODE	
LS-13	
LS-13k	
LS-14k	
LS-15k	

Sliding Door Locks (Cont'd)

CODE

LS-20



LS-21



LS-56



LS-56k



LS-57



LS-57k






LS-58



LS-58k



Roller and clamping sets

CODE	NOTES	GLASS CLEARANCES					DETAILS
		DT-101, 102, 103 Top of glass to u/s track		DT-104 Top of glass to u/s track			
		NOMINAL GAP	MAX/MIN GAP	NOMINAL GAP	MAX/MIN GAP		
SR-100101-SS		5mm	Min 1mm Max 16mm Can use longer threaded rod	5mm	Min 1mm Max 10mm Can use longer threaded rod	90kg / Door Leaf (2 roller sets)	
SR-101102		TBC	No adjustment	TBC	No adjustment	90kg / Door Leaf (2 roller sets)	
SR-100103	 Mounting of aluminium or timber doors / panels	17mm	Min 15mm Max 19mm Can use longer threaded rod	Standard bolt not suited can use longer hex bolt	Standard bolt not suited can use longer hex bolt	90kg / Door Leaf (2 roller sets)	
SR-102104		5mm	Min 1mm Max 16mm Can use longer threaded rod	5mm	Min 1mm Max 10mm Can use longer threaded rod	90kg / Door Leaf (2 roller sets)	
SR-102105		40mm	Min 34mm Max 53mm Can use longer threaded rod	40mm	Min 34mm Max 45mm Can use longer threaded rod	90kg / Door Leaf (2 roller sets)	
SR-100114		27mm	Min 22mm Max 32mm Can use longer threaded rod	24mm	Min 24mm Max 24mm Can use longer threaded rod	90kg / Door Leaf (2 roller sets)	

GHA-L10 Sliding Door Wall and Glass Mounts



HANGERS



TUBE



ENDCAPS



WALL MOUNT



STOP



GLASS MOUNT



FLOOR GUIDES

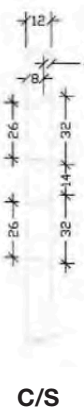
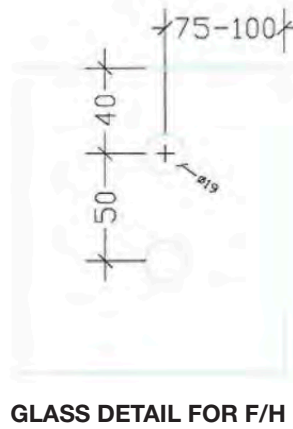
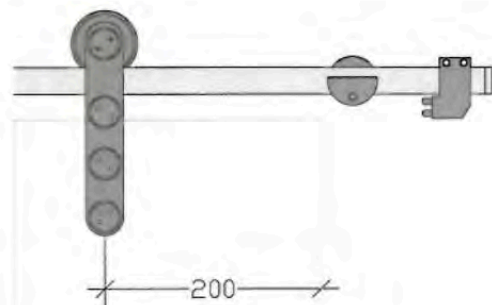
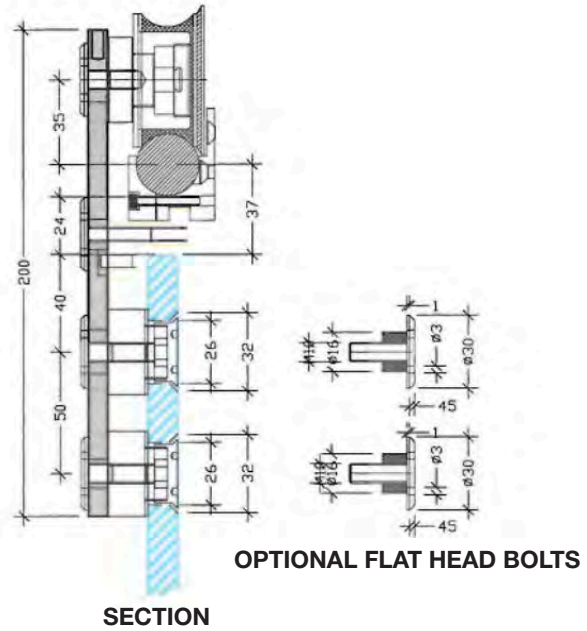
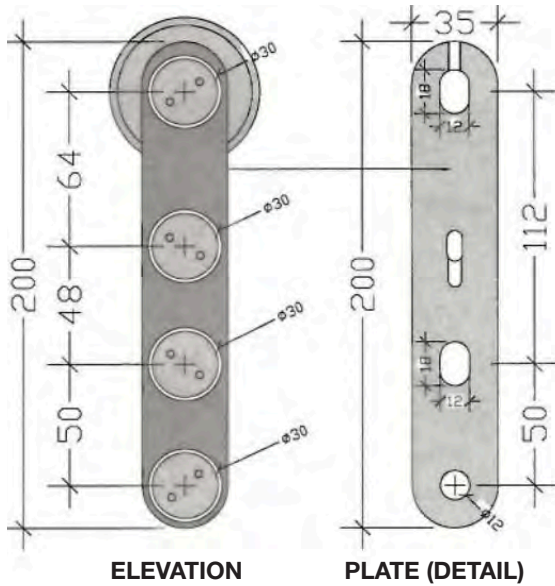
WALL MOUNT KIT

- 2 x rollers
- 2 x wall mounts
- 2 x stoppers
- 2 x end rod supports
- 1 x floor guide

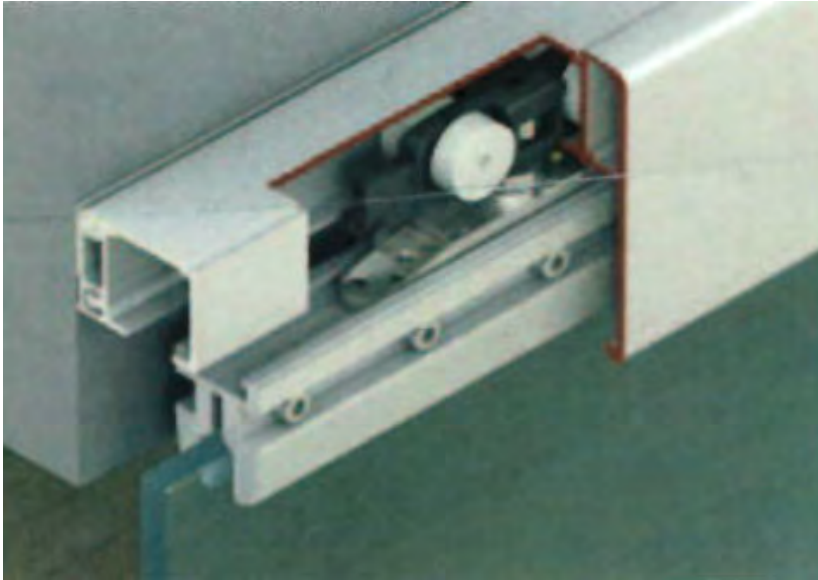
GLASS MOUNT KIT

- 2 x rollers
- 2 x glass mounts
- 2 x stoppers
- 2 x end rod supports
- 1 x floor guide

L10 Sliding Glass Door System



SLIDO Soft Close Sliding Door



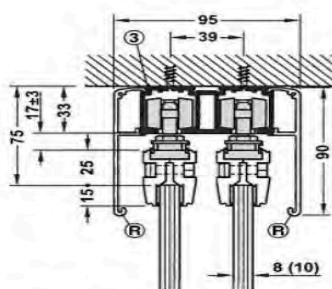
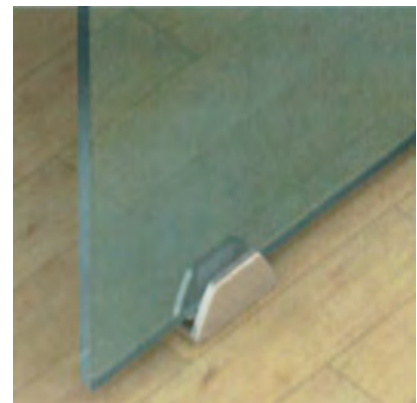
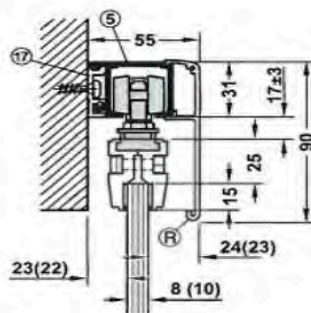
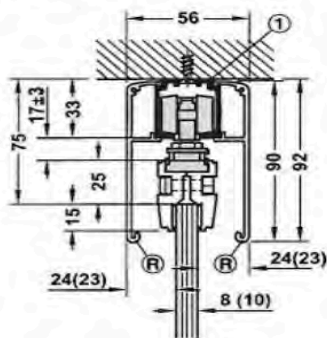
AVAILABLE FINISHES

- Clear anodised

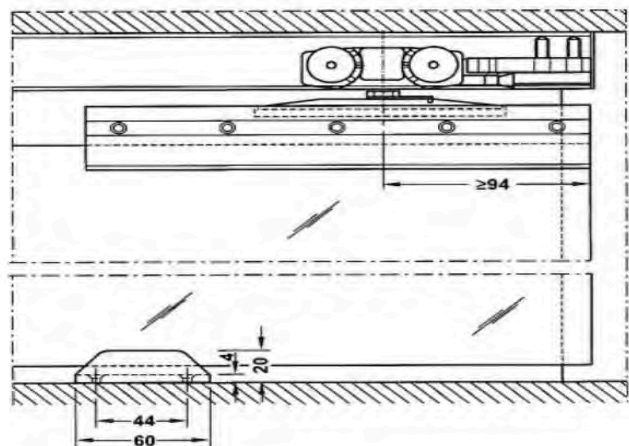
TECHNICAL DETAILS

- 8 or 10mm thick toughened glass
- Glass clamped (no holes)
- Up to 120kg per door

Ceiling installation and wall mounting



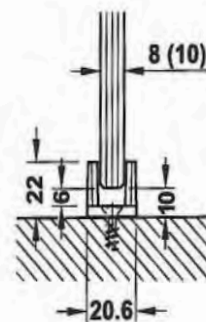
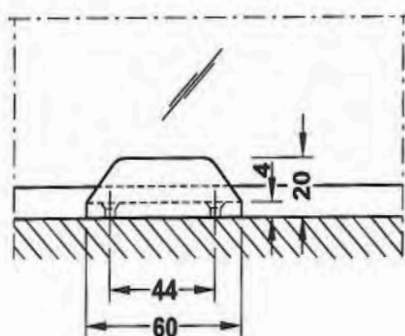
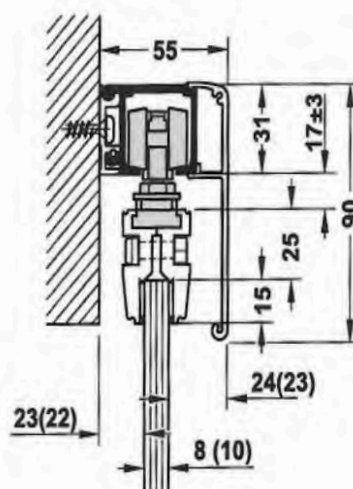
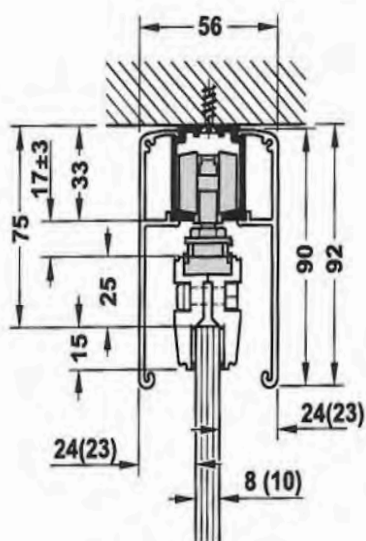
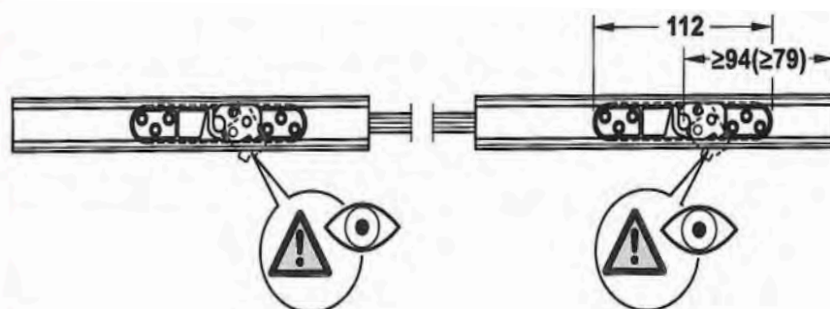
Ceiling installation with double running track and clip panel 90 mm



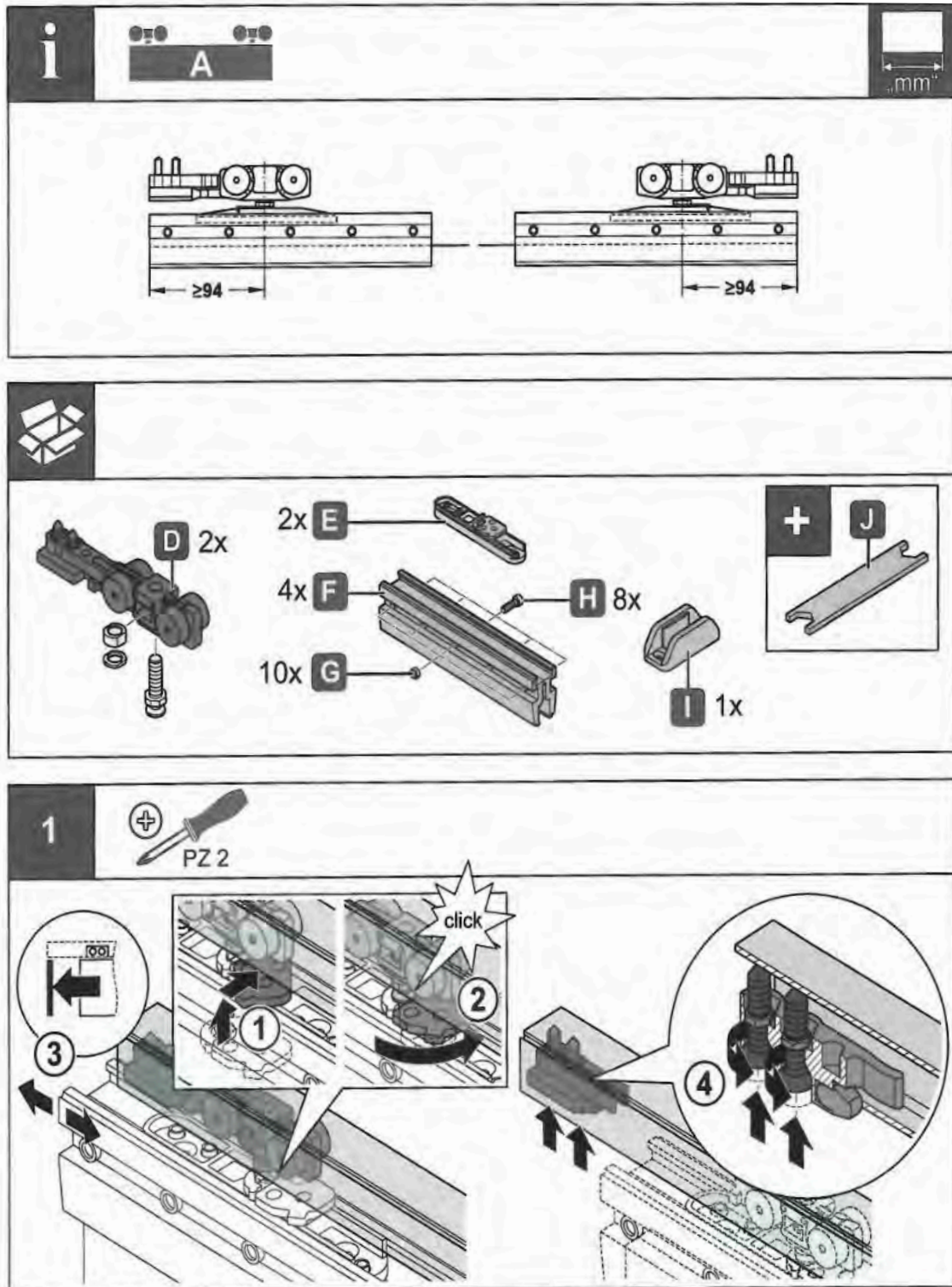
Section guide and trolley hanger

SLIDO

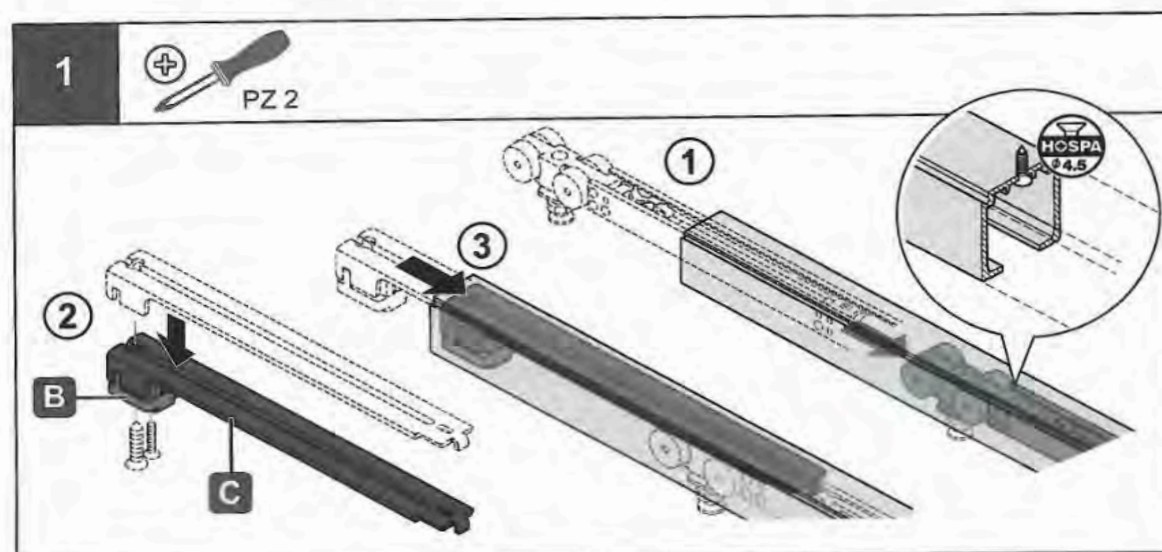
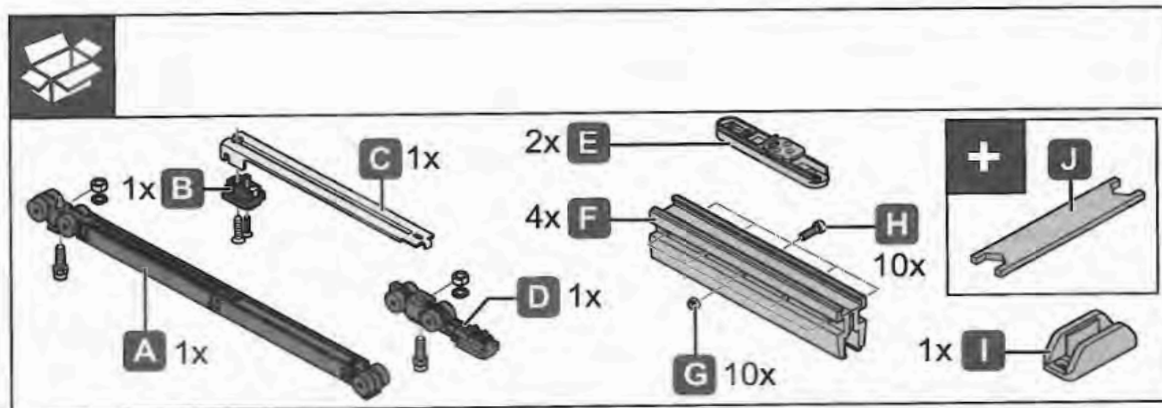
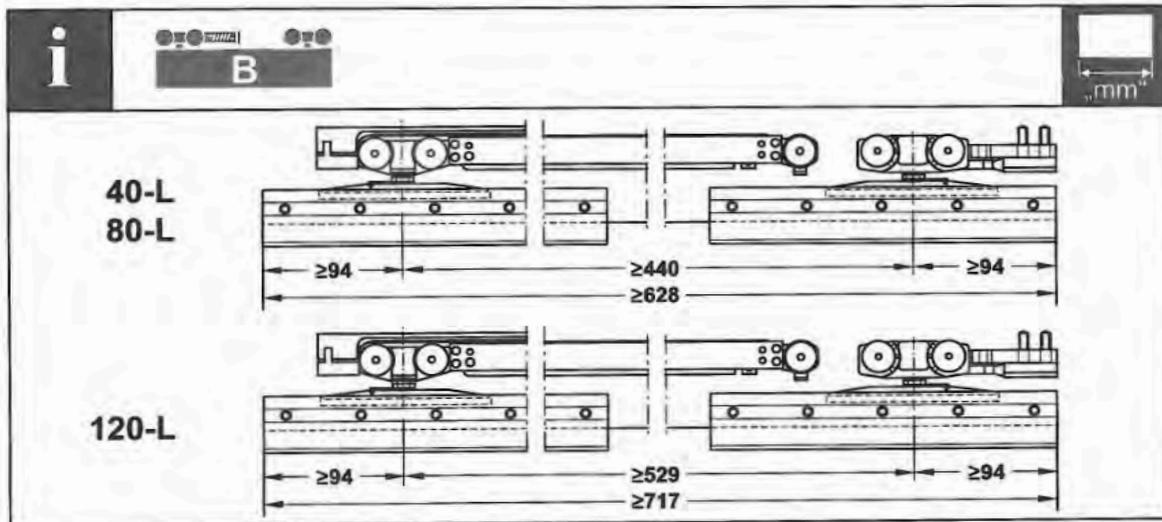
Classic	A	B	C	D	E
40-L	940.43.090	940.43.091	940.43.092	940.43.093	940.43.094
80-L	940.82.140	940.82.141	940.82.142	940.82.143	940.82.144
120-L	941.25.000	941.25.001			941.25.004



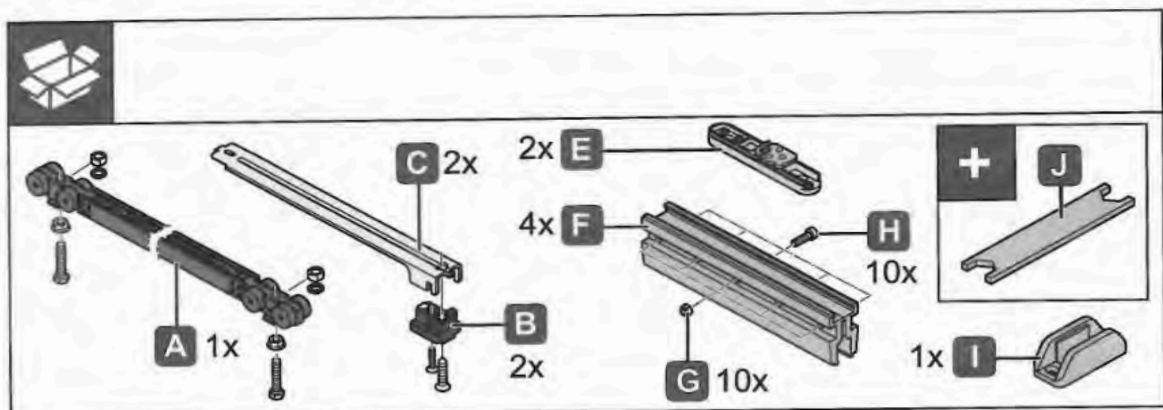
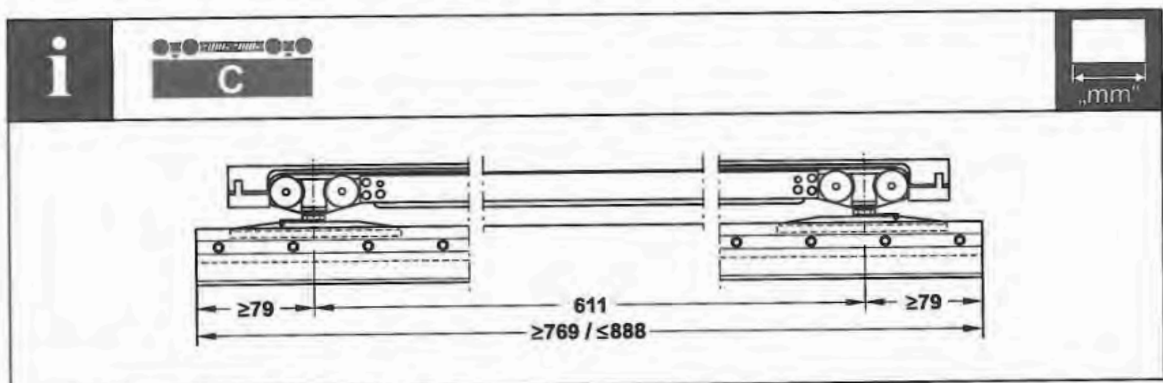
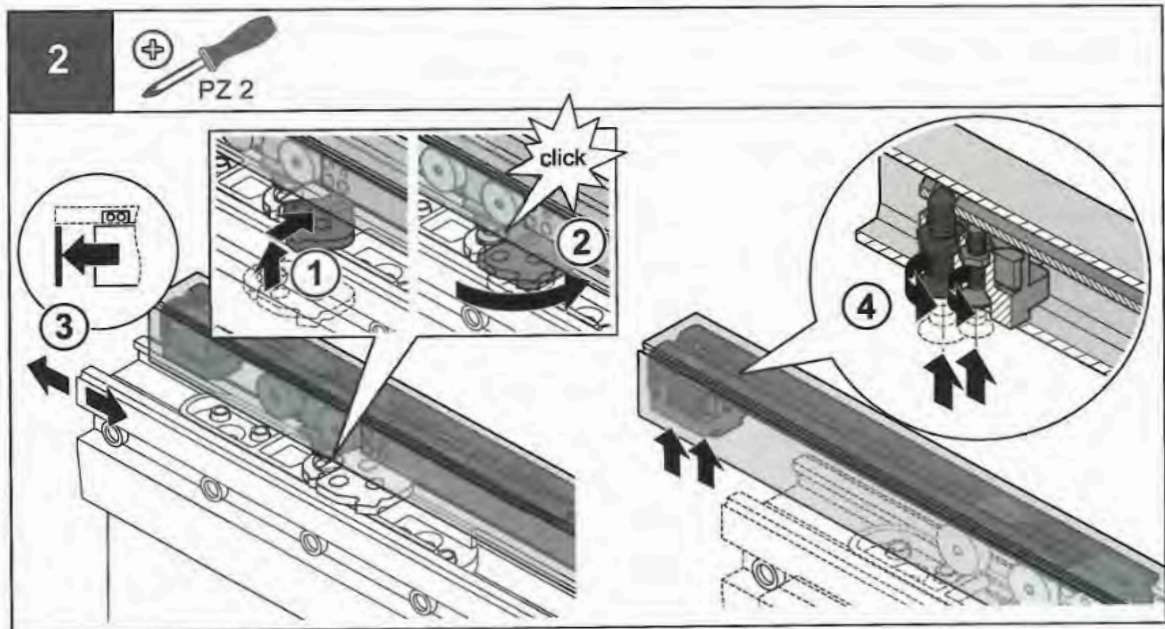
SLIDO Installation Instructions



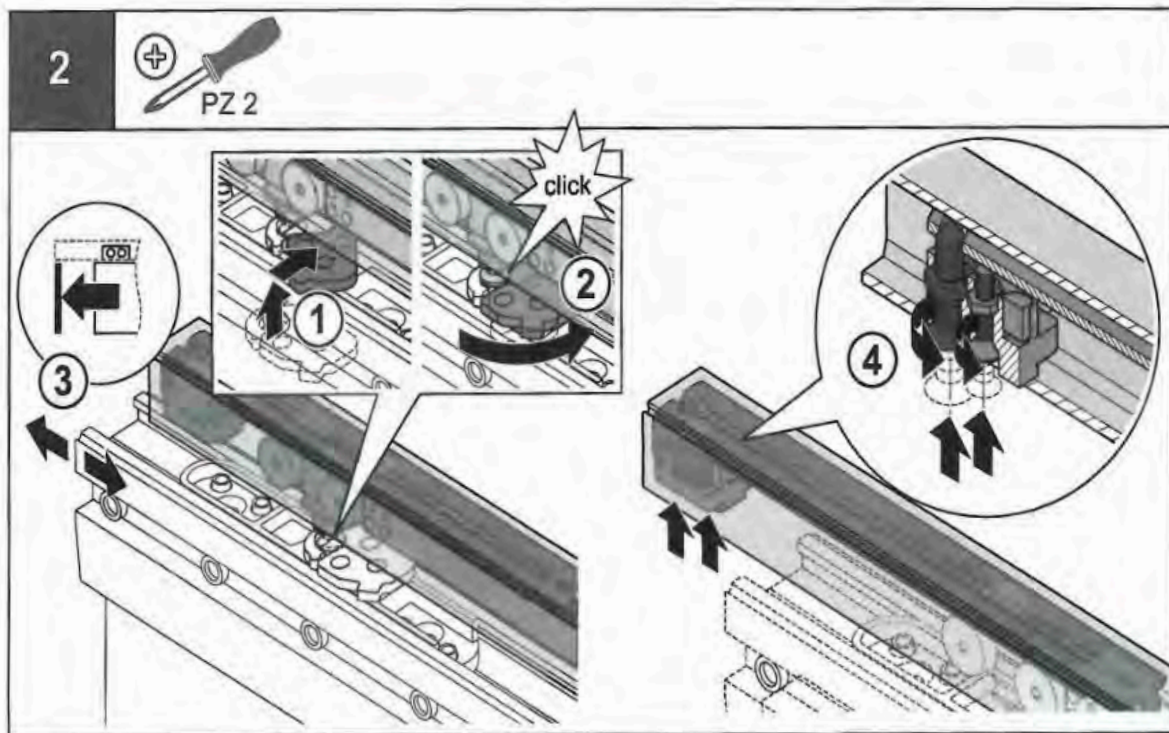
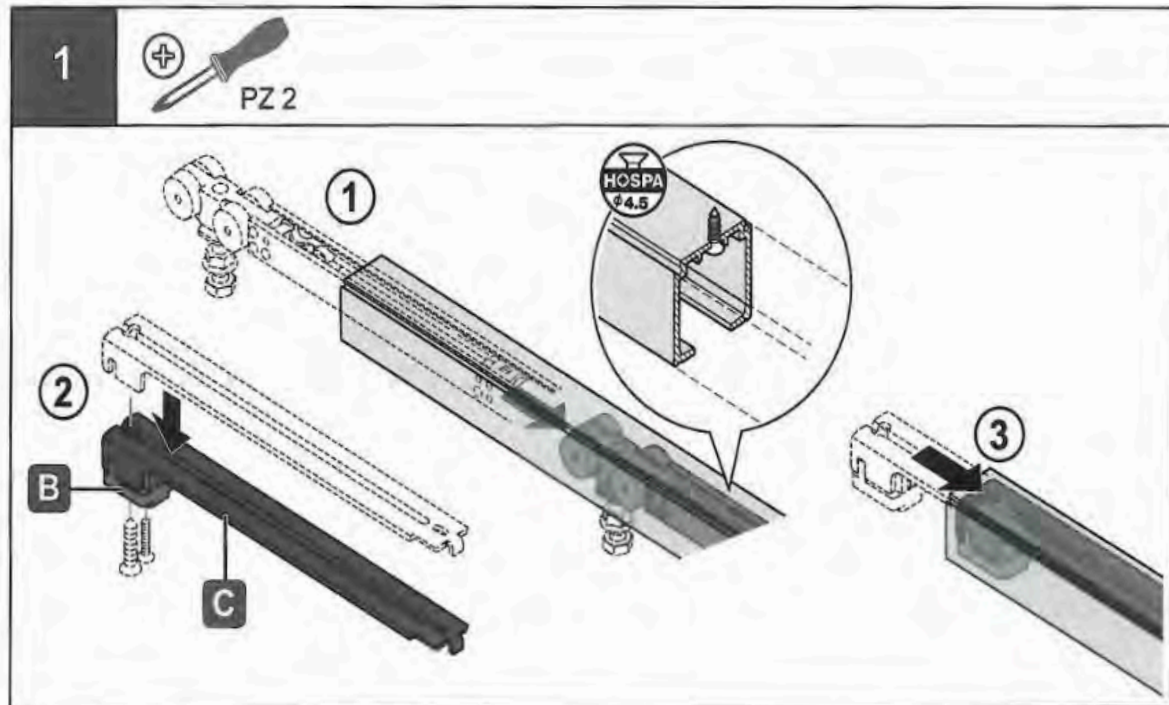
SLIDO Installation Instructions



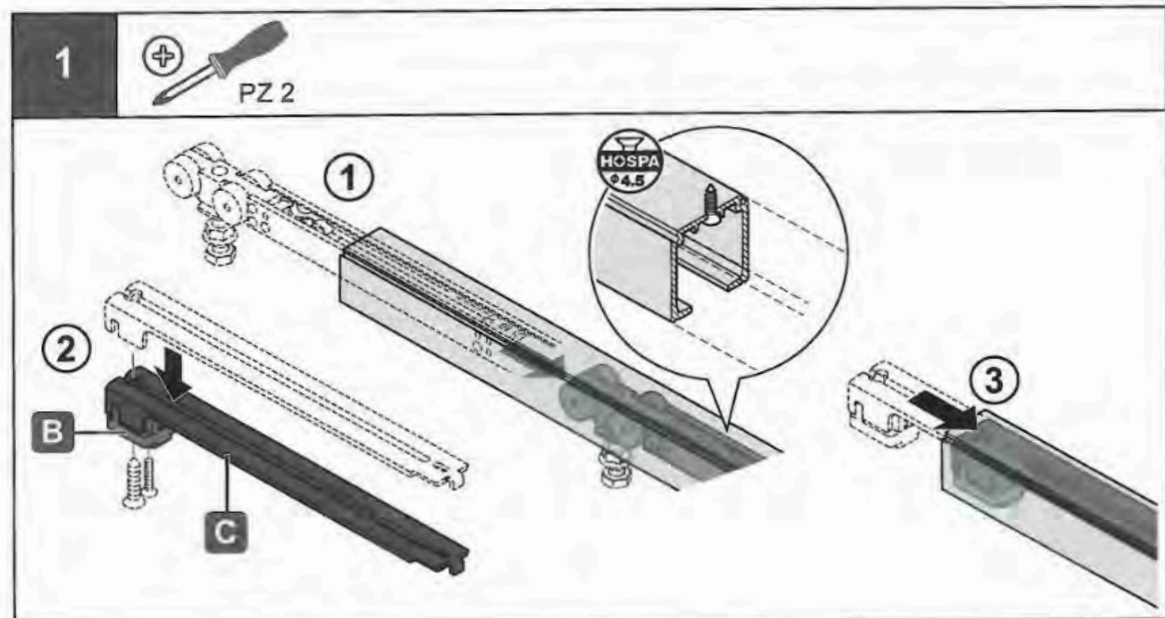
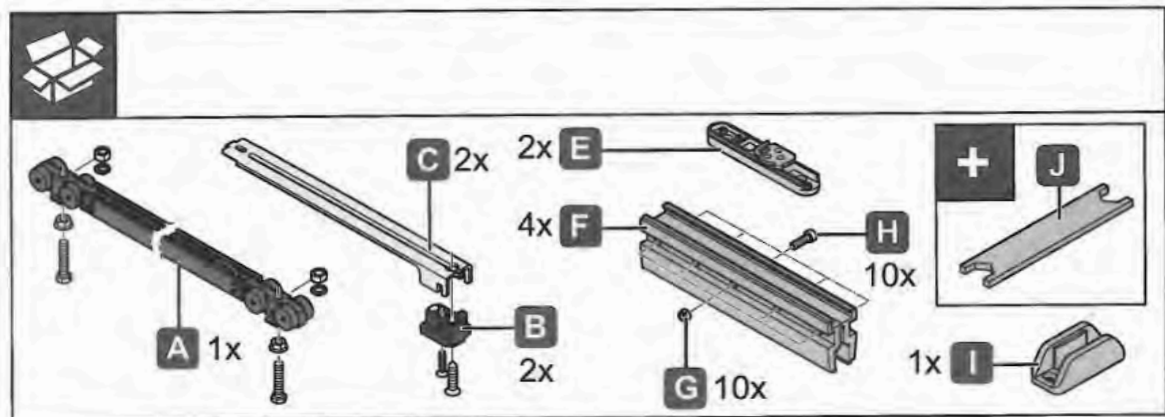
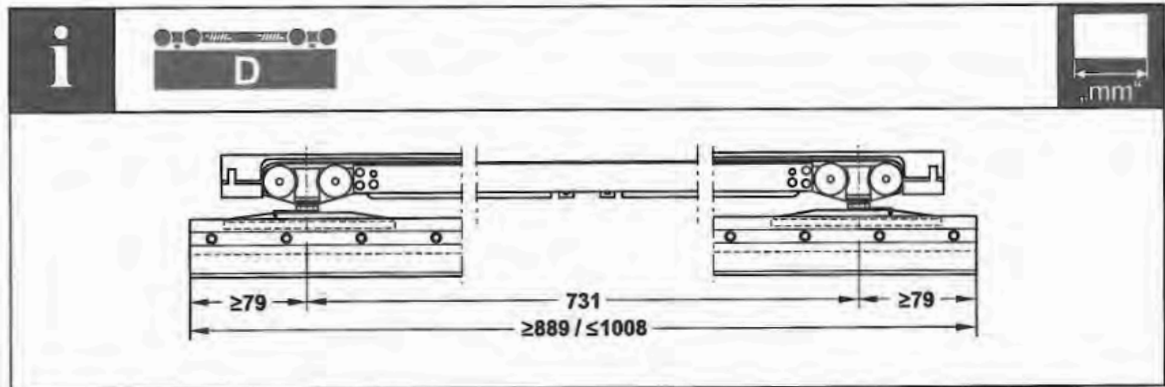
SLIDO Installation Instructions

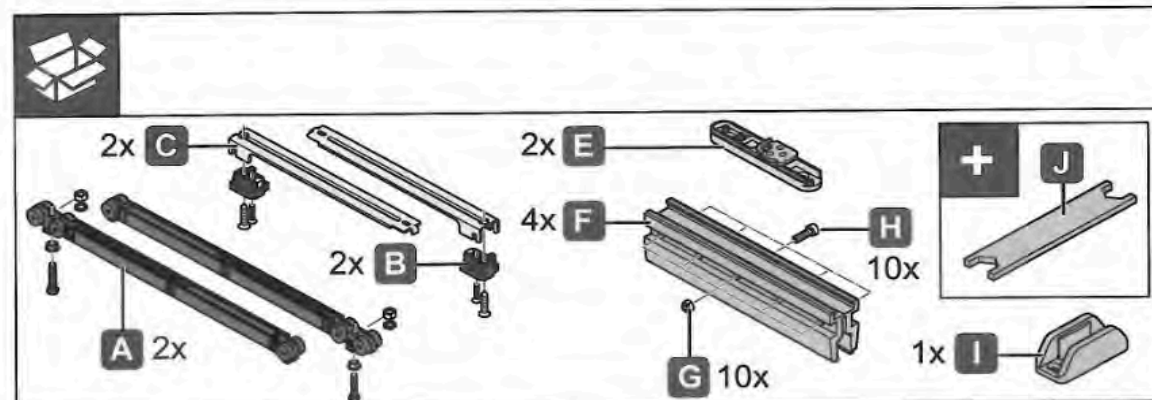
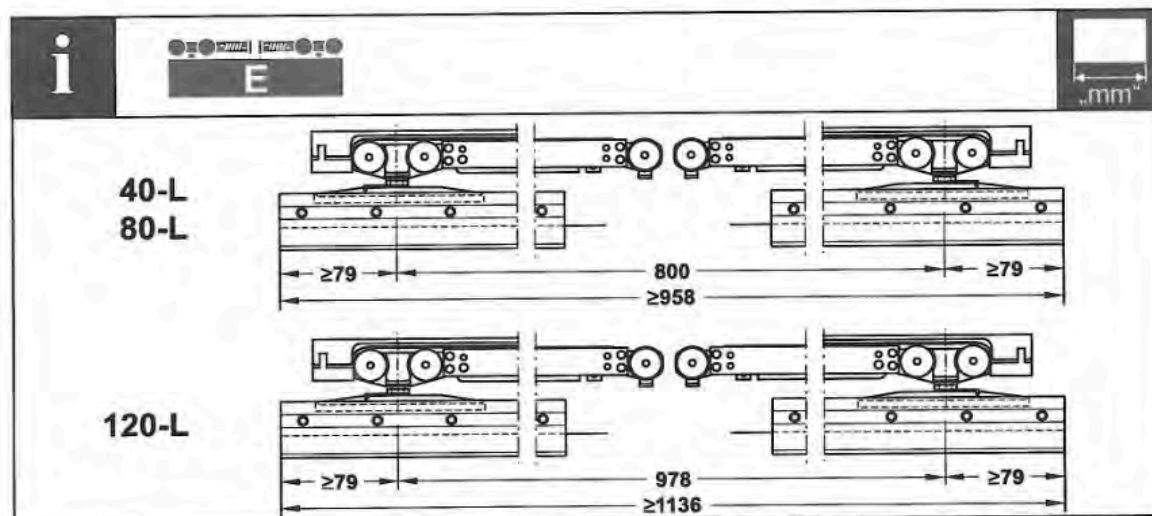
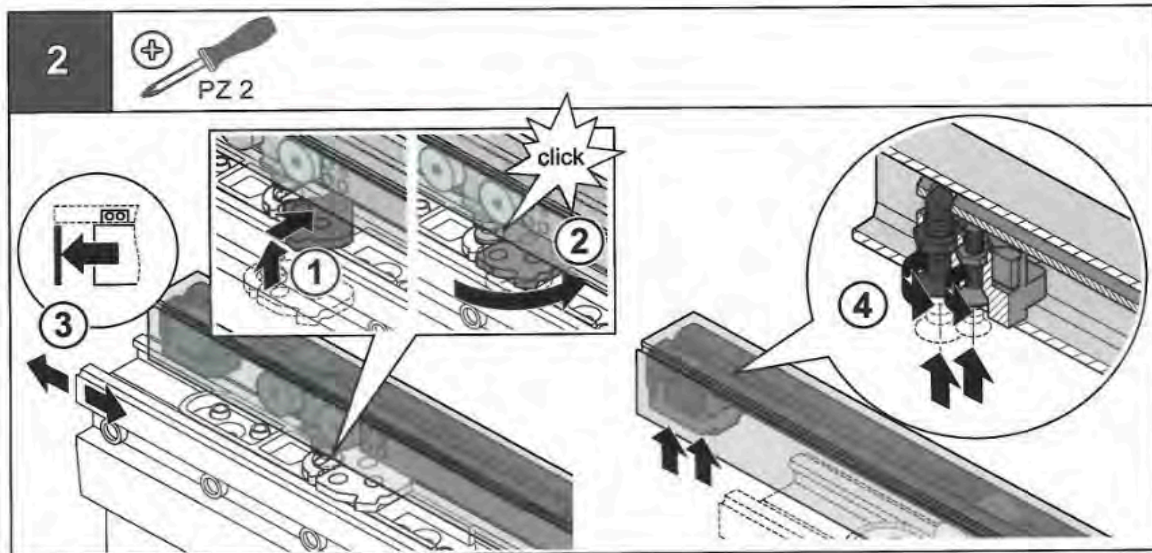


SLIDO Installation Instructions

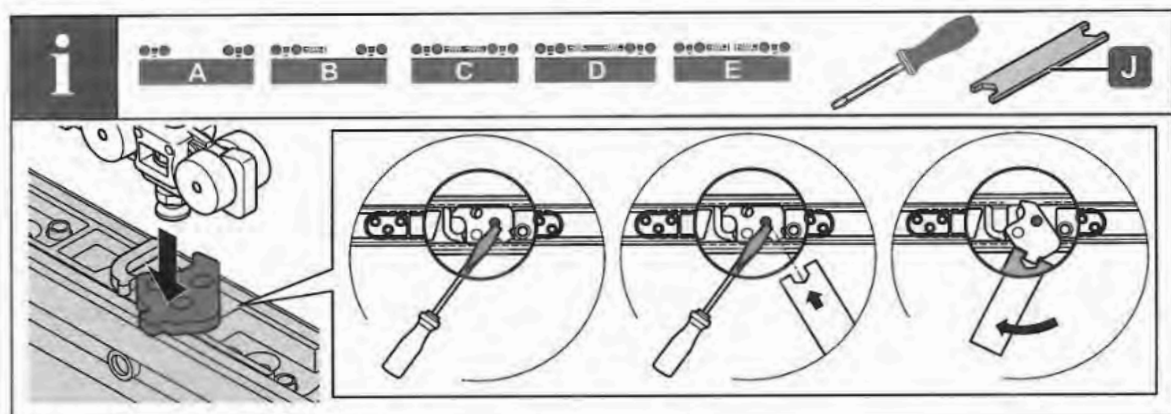
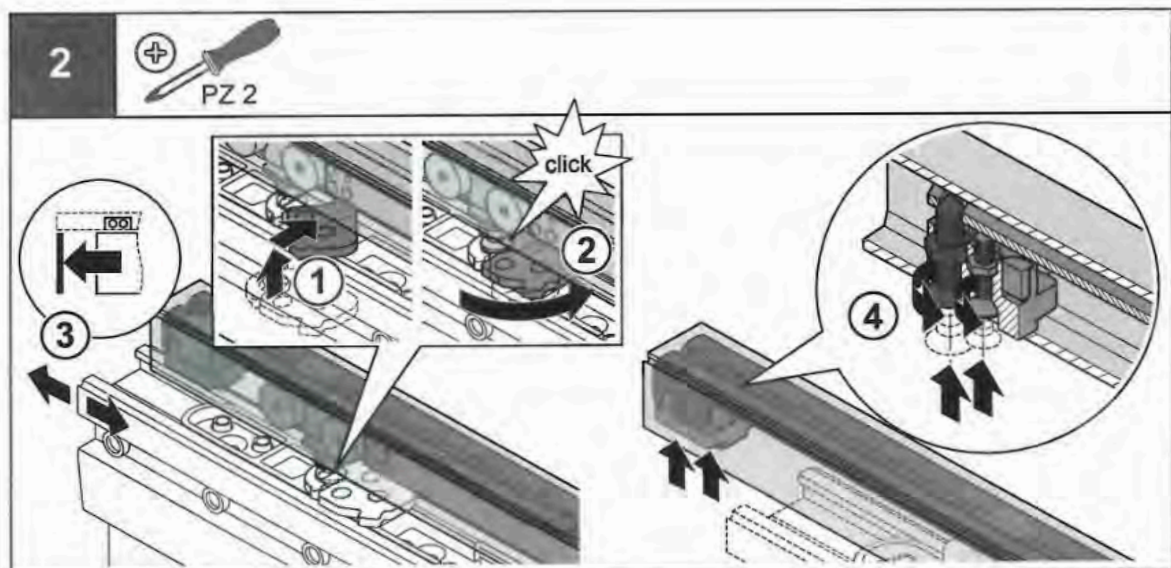
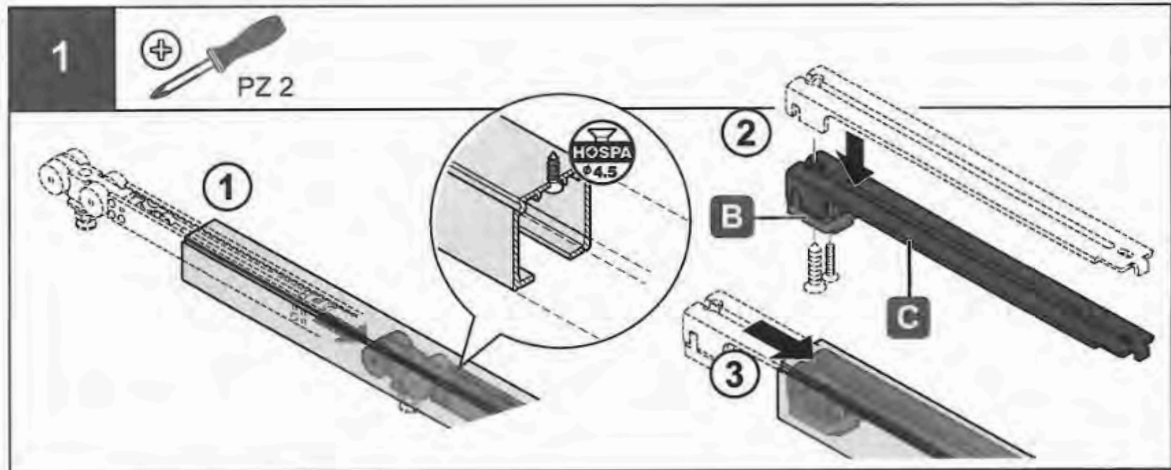


SLIDO Installation Instructions



SLIDO Installation Instructions


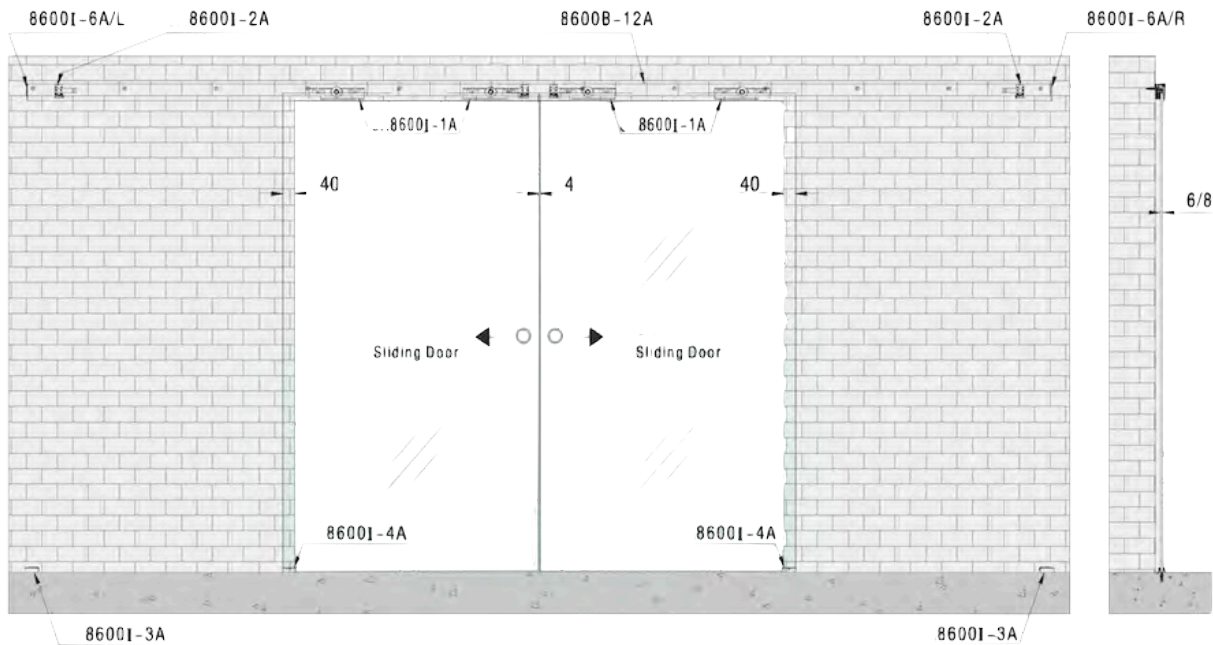
SLIDO Installation Instructions



GHA8600I-A



GHA8600I-A Installation Instructions - Single Door Structure



GHA8600I-A Installation



GHA8600I-1A (4PCS)



GHA8600I-2A (4PCS)



GHA8600I-3A (2PCS)



GHA8600I-4A (2PCS)



GHA8600I-12A (1PC)



GHA8600I-6A/L (1PC)

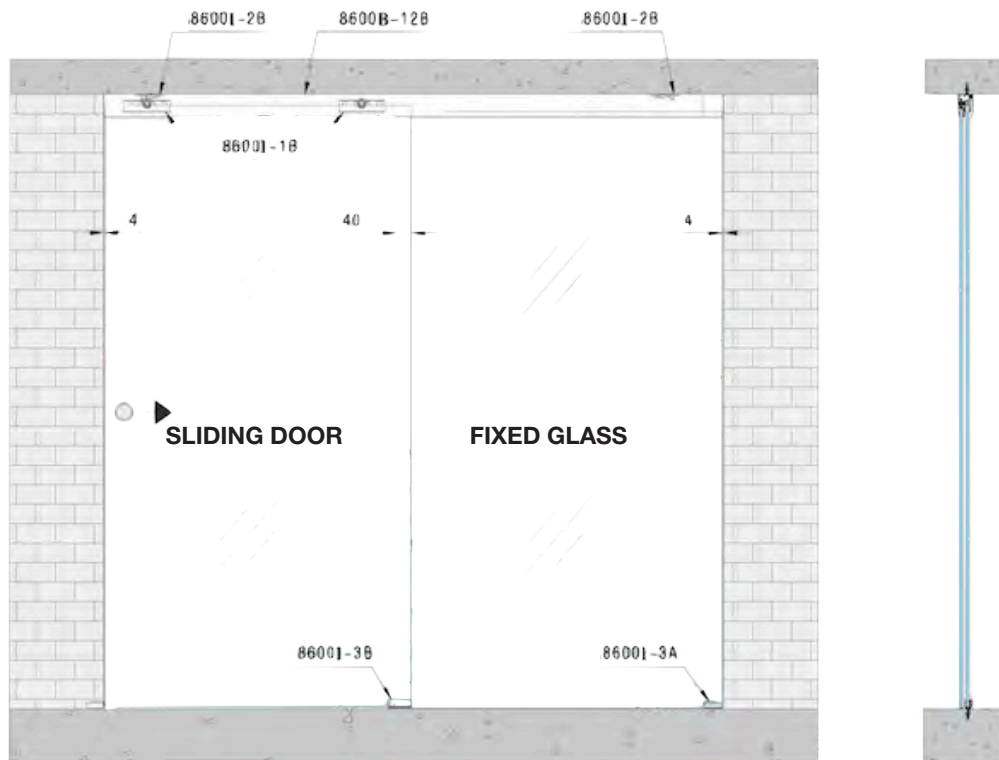


GHA8600I-6A/R (1PC)

GHA8699I-B



GHA8600I-B Installation Instructions - Single Door Structure



GHA8600I-B Installation



GHA8600I-1B (2PCS)



GHA8600I-2B (2PCS)



GHA8600I-3A (1PC)



GHA8600I-3B (1PC)

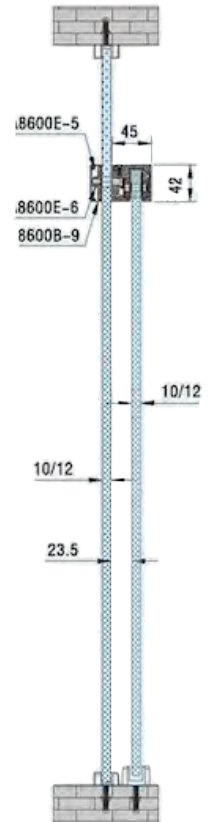
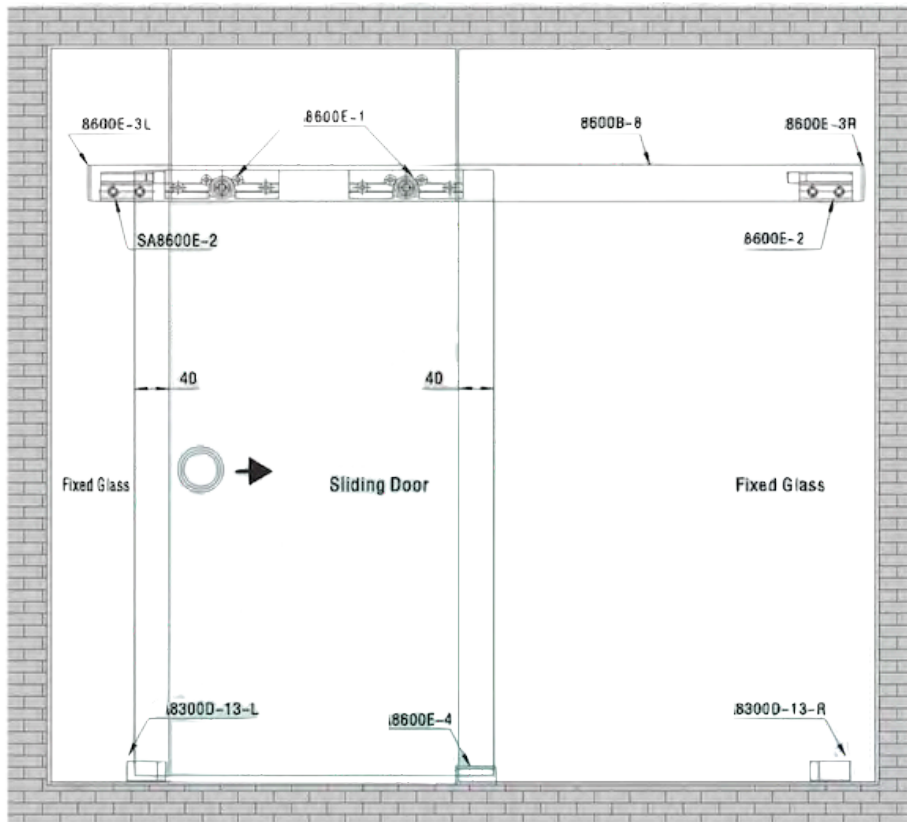


GHA8600B-12B (1PC)

GHA8600E-1



GHA8600E-1 Installation Instructions - Single Door Structure



GHA8600E-1 Installation



GHA8600E-1 (2PCS)



GHA8600E-2 (2PCS)



GHA8600E-3L (1PC)



GHA8600E-3R (1PC)



GHA8600E-4 (1PC)



GHA8600E-5 (2PCS)



GHA8600E-6 (7PCS)



GHA8600B-8 (1PCS)



GHA8600B-9 (1PC)

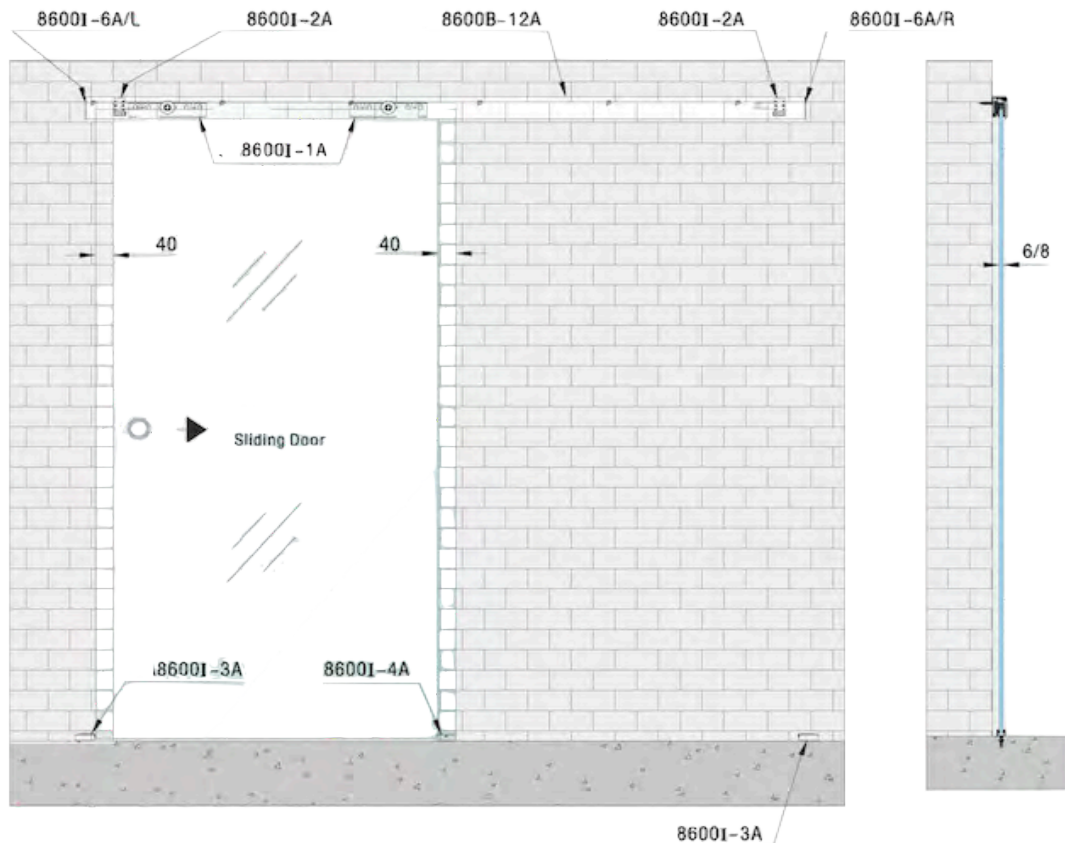


GHA8300D-12L/R (1PC)

GHA8600I-A



GHA8600I-A Installation Instructions - Single Door Structure



GHA8600I-A Installation Instructions - Single Door Structure



GHA8600I-1A (2PCS)



GHA8600I-2A (2PCS)



GHA8600I-3A (2PCS)



GHA8600I-4A (1PC)



GHA8600B-12A (1PC)

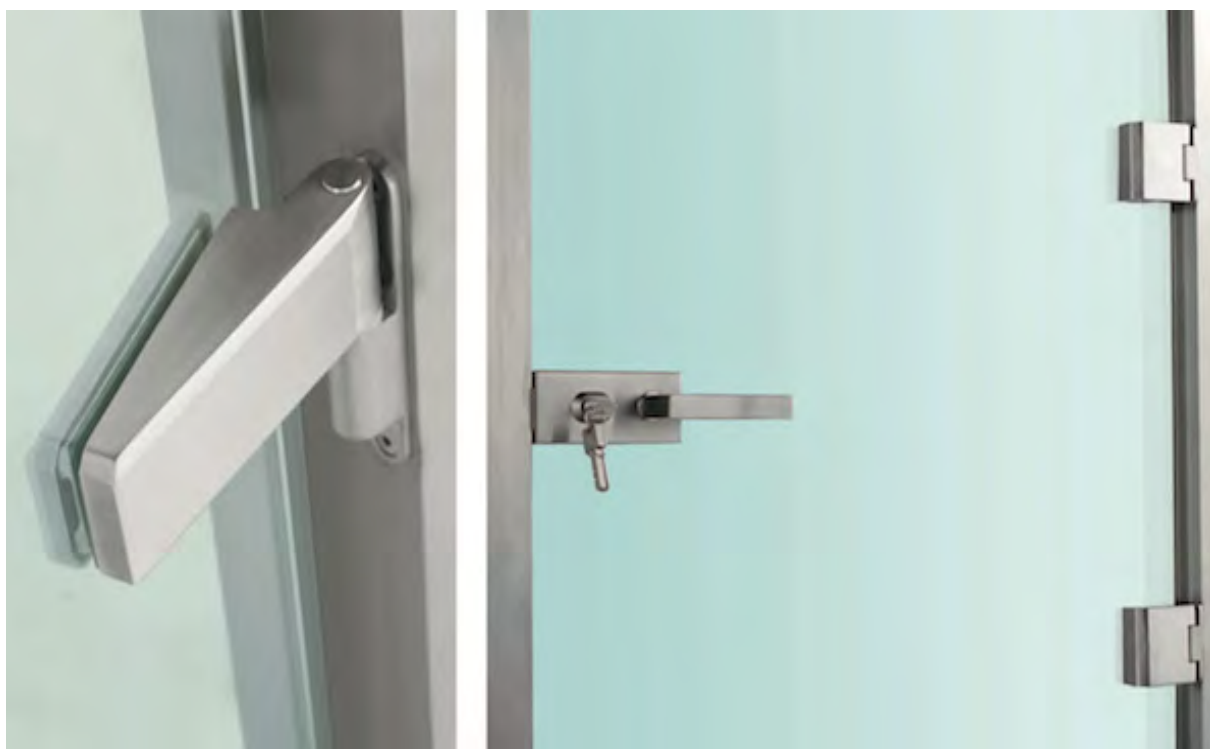


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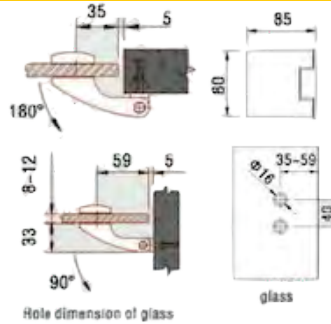


GHA8600I-6A/L (1PC)

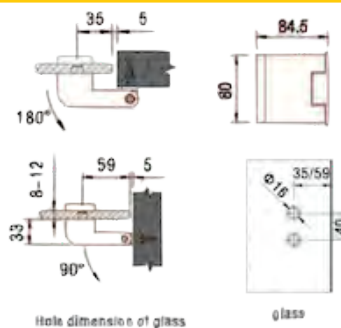
GHA8700



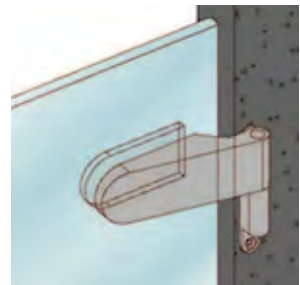
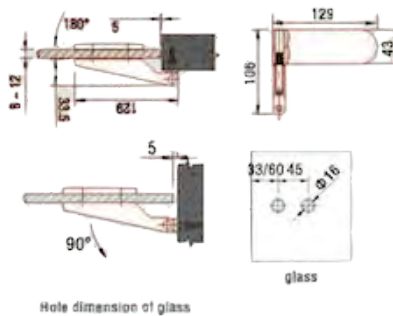
GHA8700A-4A Frame Mounted Glass Door Hinge



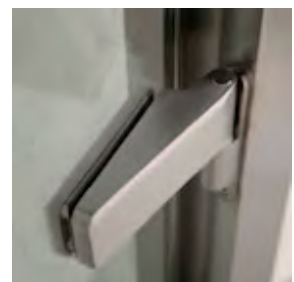
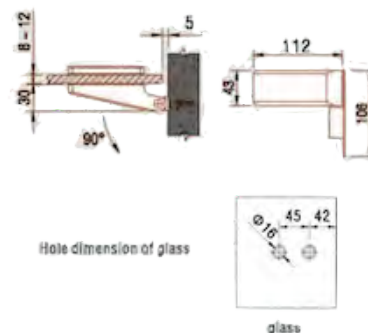
GHA8700A-4B Frame Mounted Glass Door Hinge



GHA8700A-4C Frame Mounted Glass Door Hinge

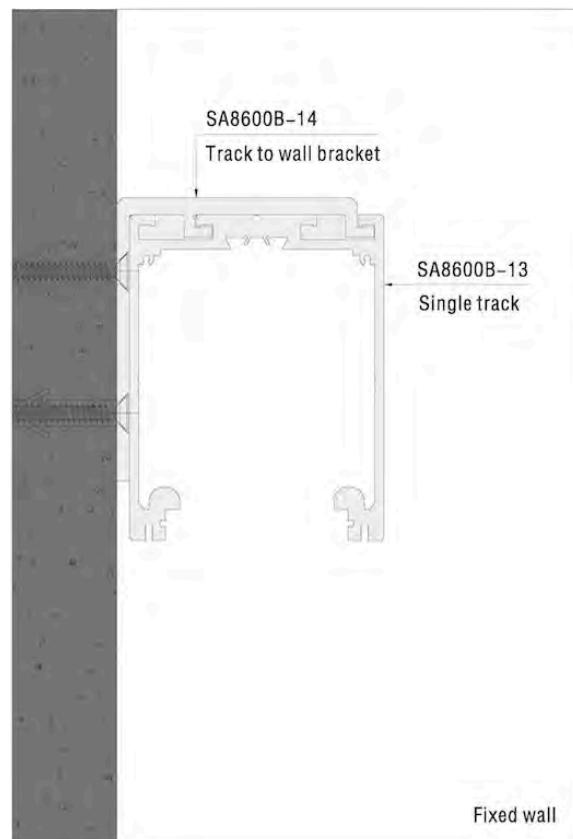
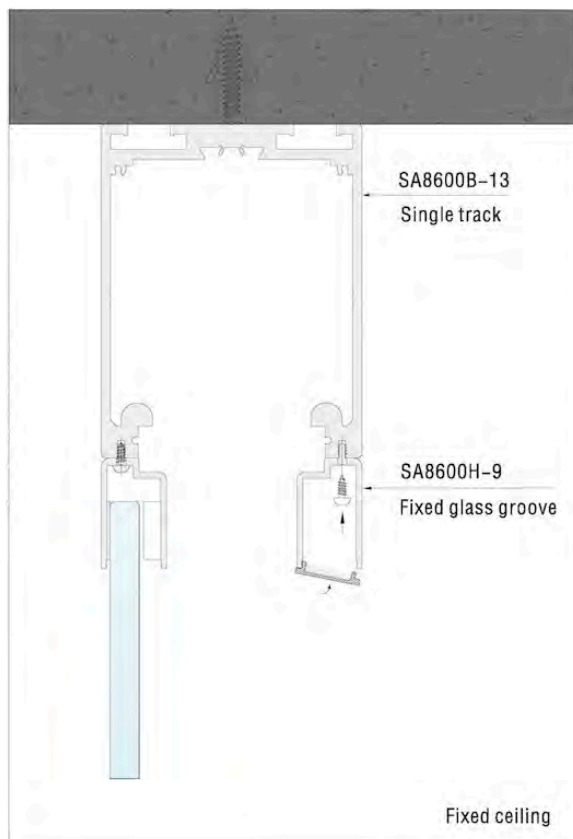


GHA8700A-4D Frame Mounted Glass Door Hinge

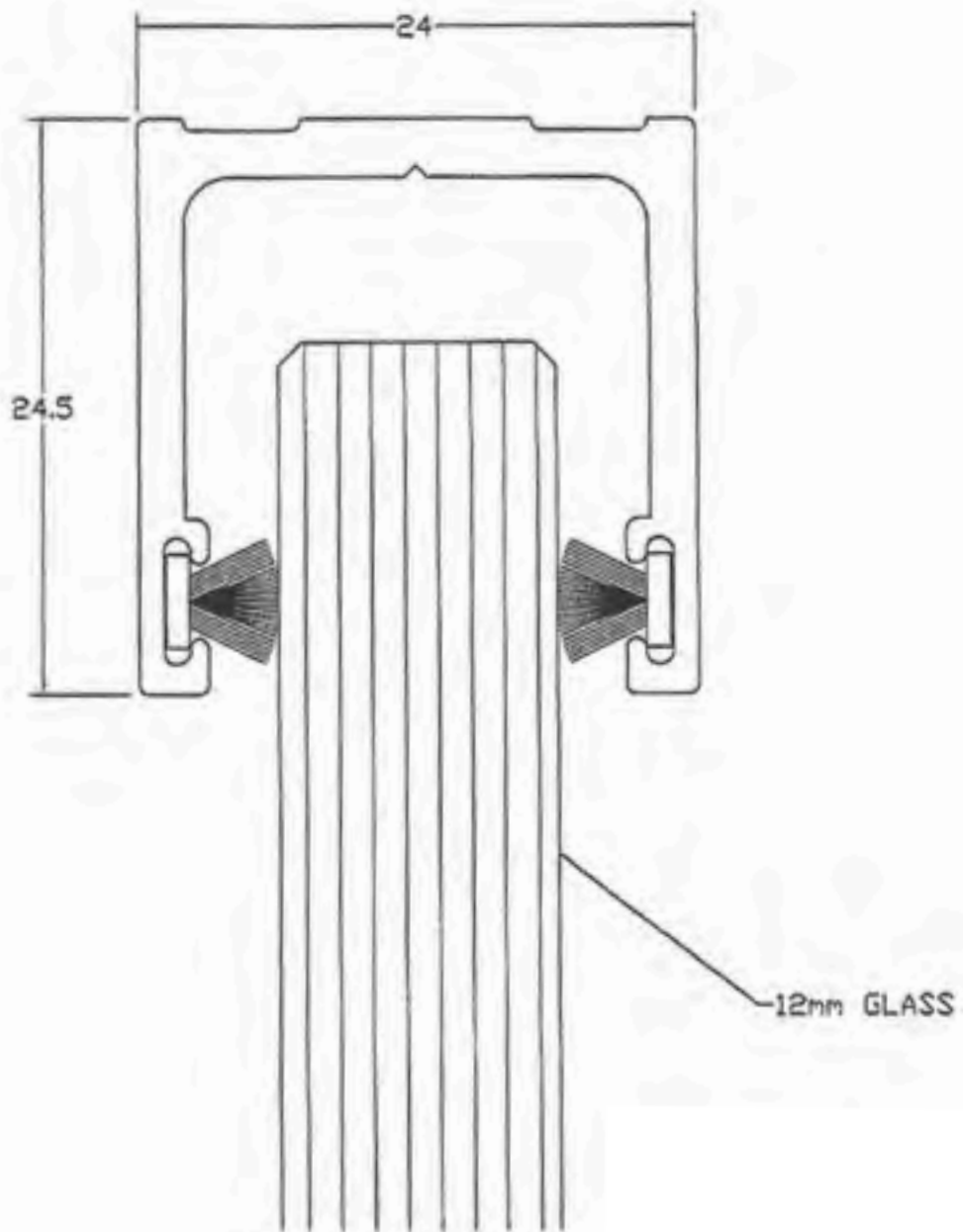


GHA8600B-14 Track to Wall Bracket

DIMENSIONS IN MM/SPECIFICATION



GHATTM Top Track with Mohair



SpiderFtg – Frameless Glass Fittings



The Austvision SpiderFit provides a full range of cast 316 marine grade stainless steel spider fittings used in frameless glass point supported glass systems

SpiderFtg provides a flexible connection between the structural glass and the supporting system and the Spider Fittings can be assembled with a range of glass connectors.

SPIDERFTG RANGE

Heavy Duty: 445 series – 4 way or 2 way
446 series – 4 way or 2 way
448 series – 2 way

Light Duty: 443 series – 4 way or 2 way
444 series – 4 way or 2 way

GLASS CONNECTIONS

Fixed: M8 CSK
M8 CSK Disc
M10 CSK
M10 CSK Disc

Swivel: 60/22-22n to suit up to 22mm total glass thickness
60/22-42n to suit up to 42mm total glass thickness

MATERIAL AND FINISH

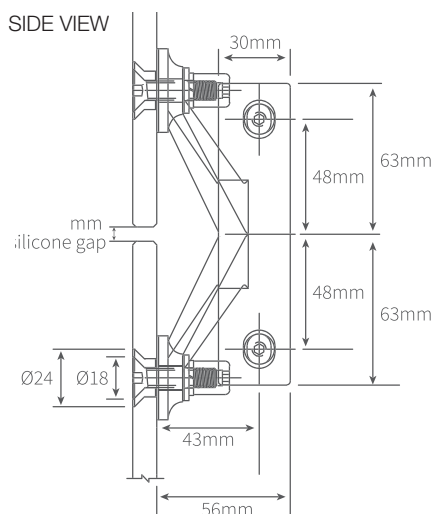
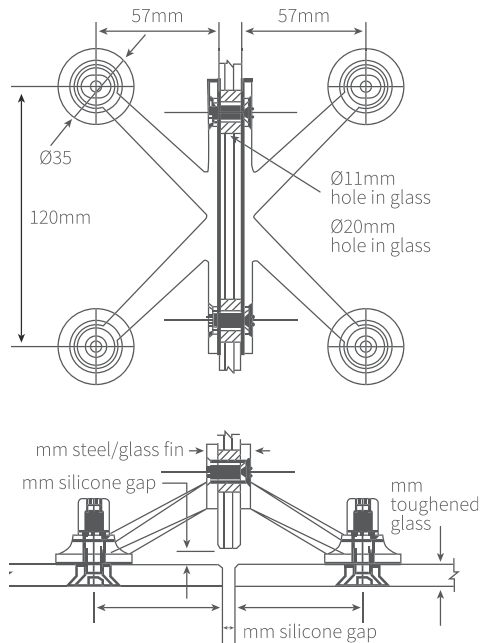
All fittings are 316 marine grade stainless steel and available in satin and polished finish.

INSTALLATION

The SpiderFtg range can be used with Toughened Safety Glass or Toughened Laminated Safety Glass

BENEFITS

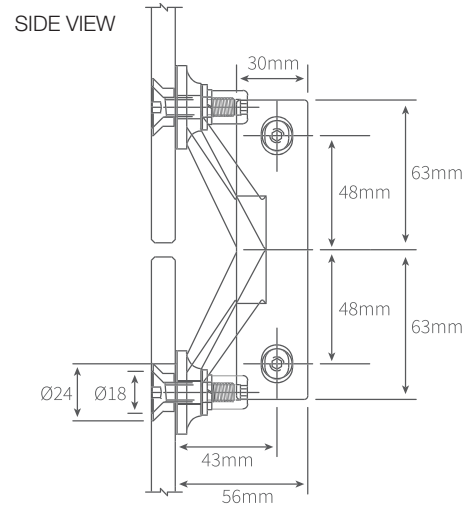
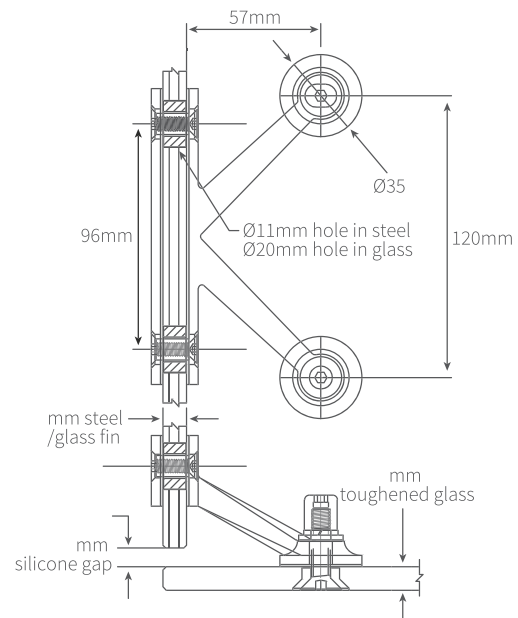
- Tested by independent testing facility under static and dynamic loadings
- Suitable for 8mm to 25mm TSG
- Suitable for 10mm to 20mm TLSG
- Can be used with point fixed IGUs, up to maximum 42mm thick

444.4 Spider Fitting LIGHT WEIGHT

AVAILABLE FINISHES

- Satin stainless steel
- Polished stainless steel

TECHNICAL DETAILS

- 4 way glass connector for balustrade - light duty
- M10 Csk, M10 Csk Disc, 60/22-22n, 60/22-42n IGU
- Specify glass thickness and fixing type when ordering

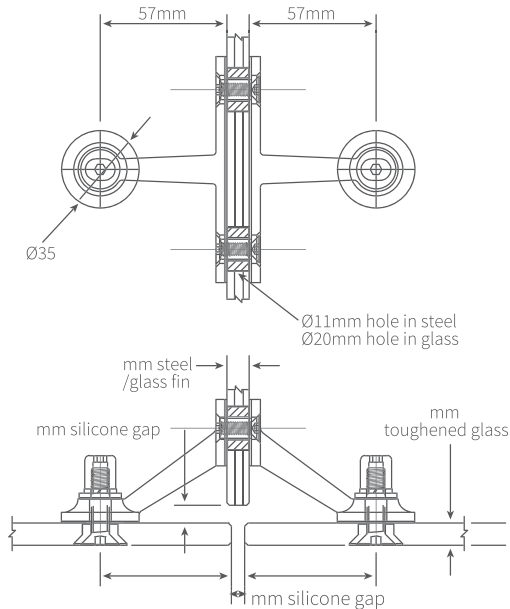
444.4.2 Spider Fitting LIGHT WEIGHT

AVAILABLE FINISHES

- Satin stainless steel
- Polished stainless steel

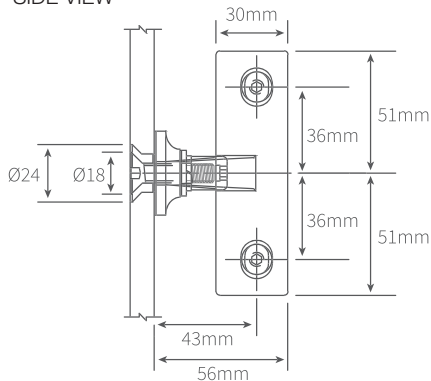
TECHNICAL DETAILS

- 4 way 1 side glass connector for balustrade - light duty
- M10 Csk, M10 Csk Disc, 60/22-22n, 60/22-42n IGU
- Specify glass thickness and fixing type when ordering

444.2 Spider Fitting LIGHT WEIGHT



SIDE VIEW



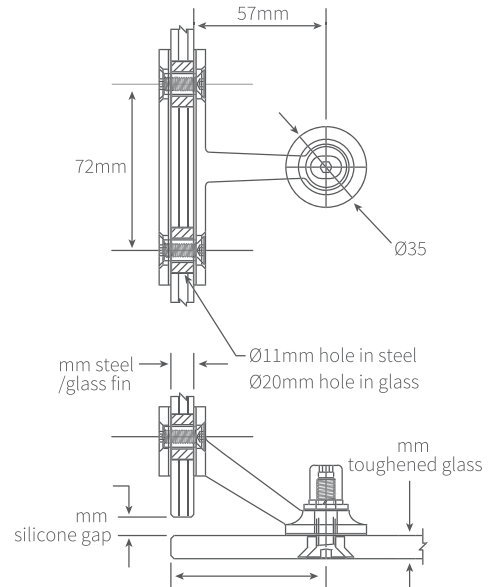
AVAILABLE FINISHES

- Satin stainless steel
- Polished stainless steel

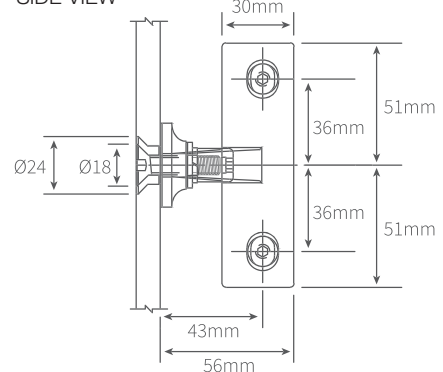
TECHNICAL DETAILS

- 2 way glass connector for balustrade - light duty
- M10 Csk, M10 Csk Disc, 60/22-22n, 60/22-42n IGU
- Specify glass thickness and fixing type when ordering

444.2.1 Spider Fitting LIGHT WEIGHT



SIDE VIEW

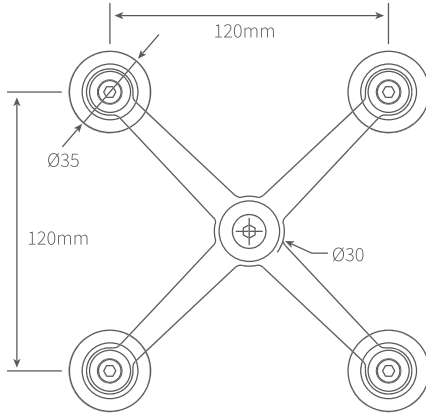


AVAILABLE FINISHES

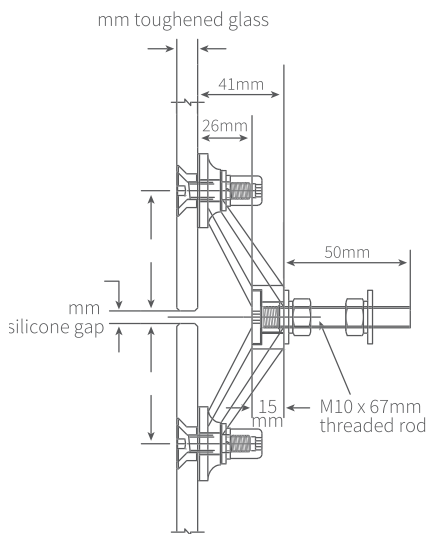
- Satin stainless steel
- Polished stainless steel

TECHNICAL DETAILS

- 2 way 1 side glass connector for balustrade - light duty
- M10 Csk, M10 Csk Disc, 60/22-22n, 60/22-42n IGU
- Specify glass thickness and fixing type when ordering

443.4 Spider Fitting LIGHT WEIGHT


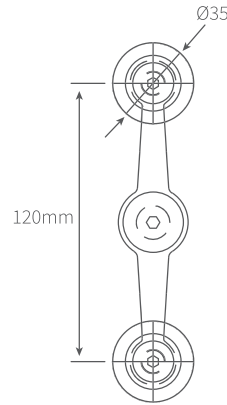
SIDE VIEW


AVAILABLE FINISHES

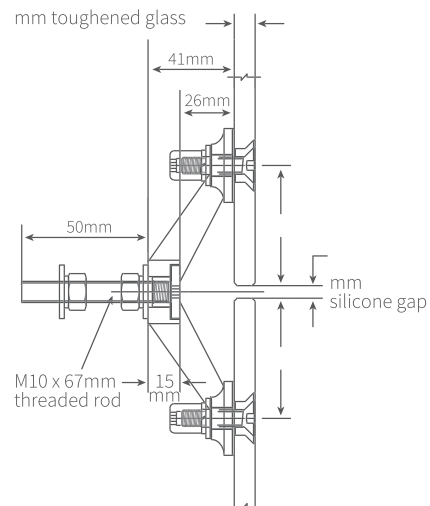
- Satin stainless steel
- Polished stainless steel

TECHNICAL DETAILS

- 4 way glass connector for small elevations and balustrades - light duty
- M10 Csk, M10 Csk Disc, 60/22-22n, 60/22-42n IGU
- Specify glass thickness and fixing type when ordering

443.2 Spider Fitting LIGHT WEIGHT


SIDE VIEW

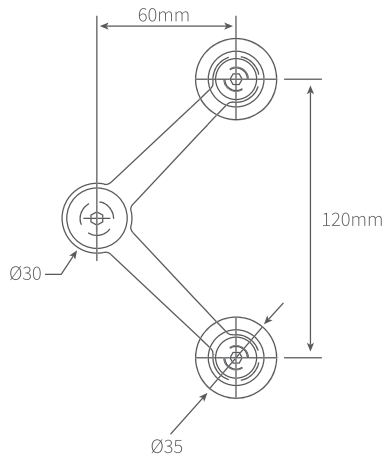

AVAILABLE FINISHES

- Satin stainless steel
- Polished stainless steel

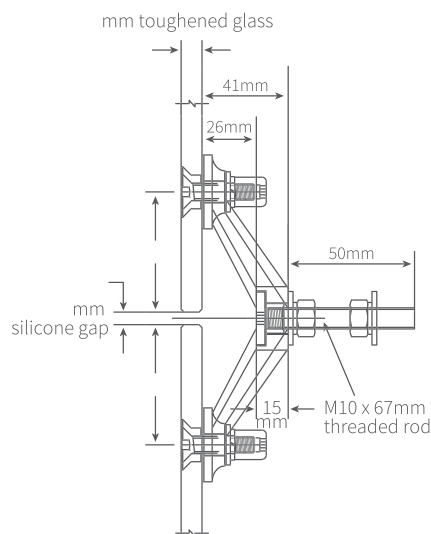
TECHNICAL DETAILS

- 2 way glass connector for small elevations and balustrades - light duty
- M10 Csk, M10 Csk Disc, 60/22-22n, 60/22-42n IGU
- Specify glass thickness and fixing type when ordering

443.4.2 Spider Fitting LIGHT WEIGHT



SIDE VIEW



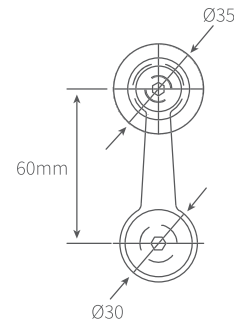
AVAILABLE FINISHES

- Satin stainless steel
- Polished stainless steel

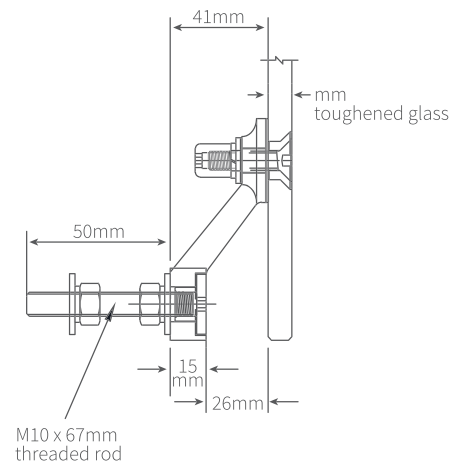
TECHNICAL DETAILS

- 1 way glass connector for small elevations and balustrades - light duty
- M10 Csk, M10 Csk Disc, 60/22-22n, 60/22-42n IGU
- Specify glass thickness and fixing type when ordering

443.2.1 Spider Fitting LIGHT WEIGHT



SIDE VIEW

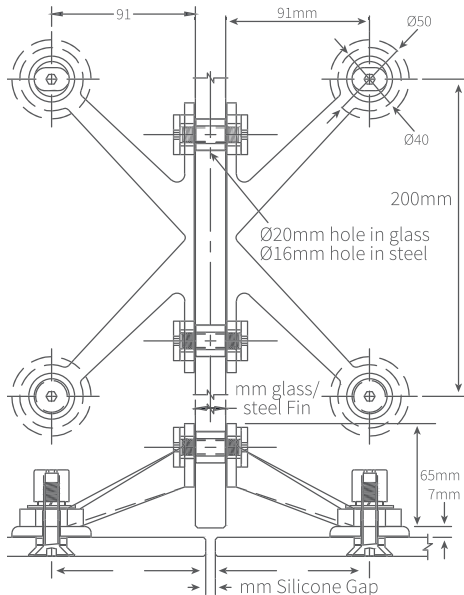


AVAILABLE FINISHES

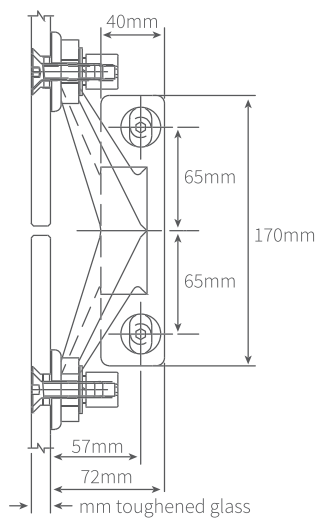
- Satin stainless steel
- Polished stainless steel

TECHNICAL DETAILS

- 1 way glass connector for small elevations and balustrades - light duty
- M10 Csk, M10 Csk Disc, 60/22-22n, 60/22-42n IGU
- Specify glass thickness and fixing type when ordering

445.4M Spider Fitting HEAVY WEIGHT


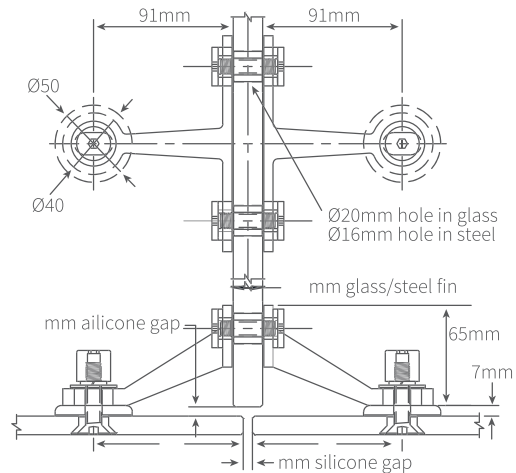
SIDE VIEW


AVAILABLE FINISHES

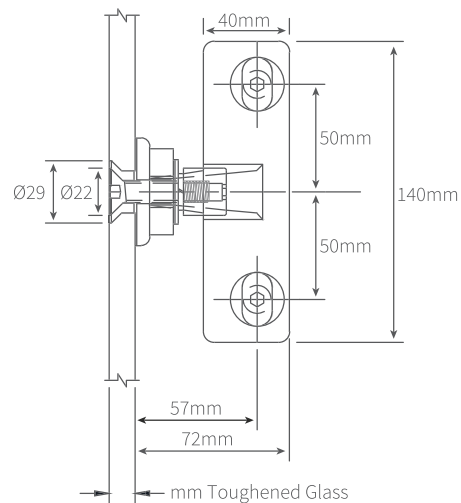
- Satin stainless steel
- Polished stainless steel

TECHNICAL DETAILS

- 4 way glass connector - heavy duty
- M10 Csk, M10 Csk Disc, 60/22-22n, 60/22-42n IGU
- Specify glass thickness and fixing type when ordering

445.2M Spider Fitting HEAVY WEIGHT


SIDE VIEW

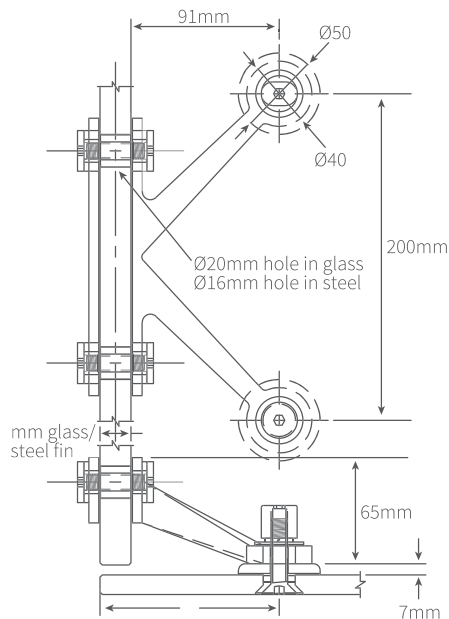

AVAILABLE FINISHES

- Satin stainless steel
- Polished stainless steel

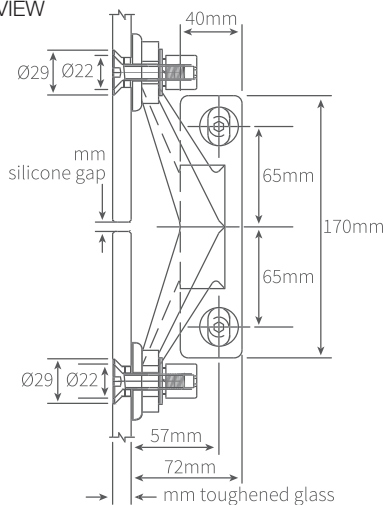
TECHNICAL DETAILS

- 2 way glass connector - heavy duty
- M10 Csk, M10 Csk Disc, 60/22-22n, 60/22-42n IGU
- Specify glass thickness and fixing type when ordering

445.4M.2 Spider Fitting HEAVY WEIGHT



SIDE VIEW



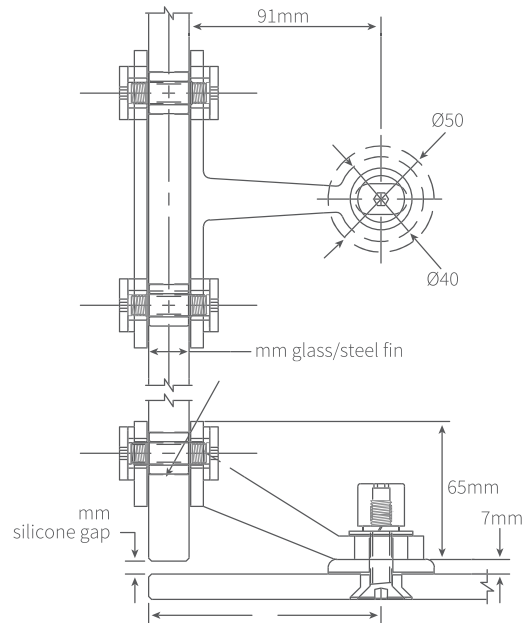
AVAILABLE FINISHES

- Satin stainless steel
- Polished stainless steel

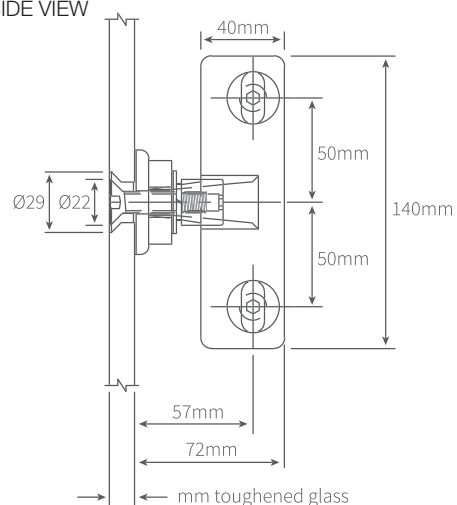
TECHNICAL DETAILS

- 2 way 1 side glass connector - heavy duty
- M10 Csk, M10 Csk Disc, 60/22-22n, 60/22-42n IGU
- Specify glass thickness and fixing type when ordering

445.2M.1 Spider Fitting HEAVY WEIGHT



SIDE VIEW

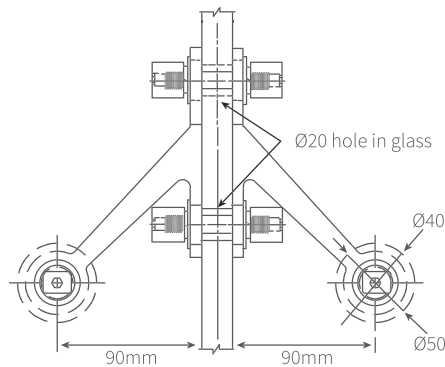


AVAILABLE FINISHES

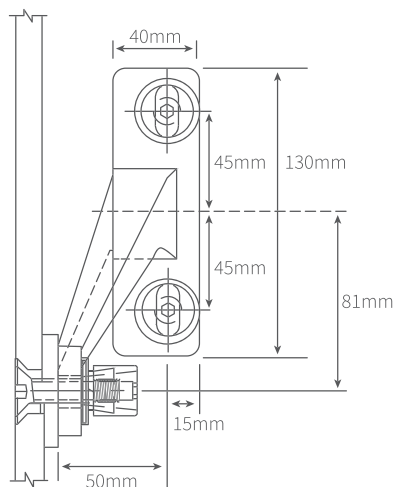
- Satin stainless steel
- Polished stainless steel

TECHNICAL DETAILS

- 2 way 1 arm glass connector - heavy duty
- M10 Csk, M10 Csk Disc, 60/22-22n, 60/22-42n IGU
- Specify glass thickness and fixing type when ordering

445.4M.2Y Spider Fitting HEAVY WEIGHT


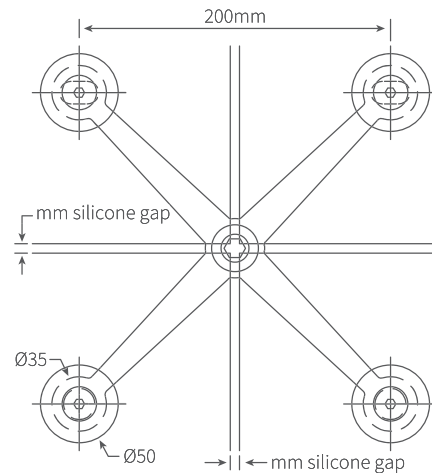
SIDE VIEW


AVAILABLE FINISHES

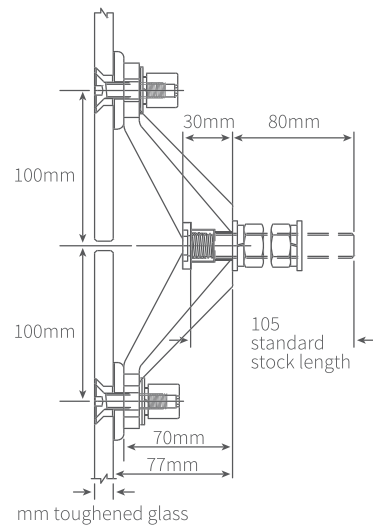
- Satin stainless steel
- Polished stainless steel

TECHNICAL DETAILS

- 3 way modified glass connector - heavy duty
- M10 Csk, M10 Csk Disc, 60/22-22n, 60/22-42n IGU
- Specify glass thickness and fixing type when ordering

446.4M Spider Fitting HEAVY WEIGHT


SIDE VIEW

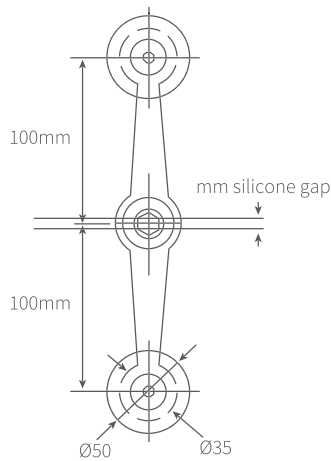

AVAILABLE FINISHES

- Satin stainless steel
- Polished stainless steel

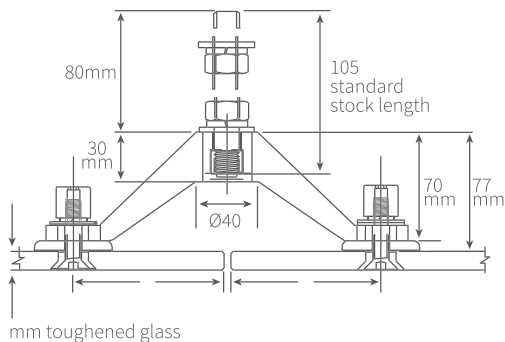
TECHNICAL DETAILS

- 4 way glass connector - heavy duty
- M10 Csk, M10 Csk Disc, 60/22-22n, 60/22-42n IGU
- Specify glass thickness and fixing type when ordering

446.2M Spider Fitting HEAVY WEIGHT



SIDE VIEW



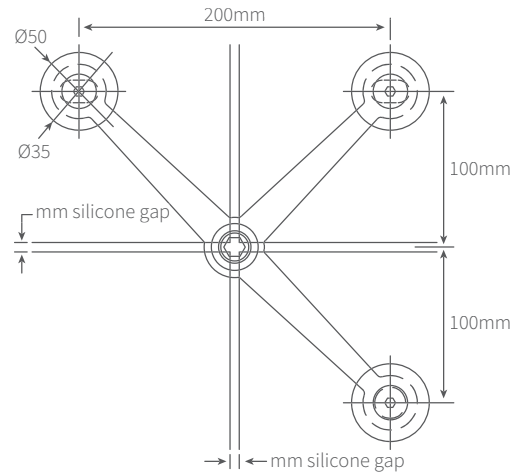
AVAILABLE FINISHES

- Satin stainless steel
- Polished stainless steel

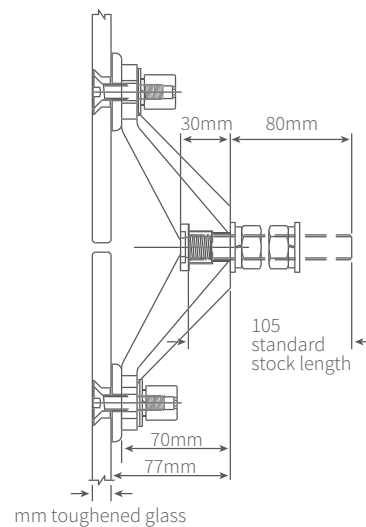
TECHNICAL DETAILS

- 2 way glass connector - heavy duty
- M10 Csk, M10 Csk Disc, 60/22-22n, 60/22-42n IGU
- Specify glass thickness and fixing type when ordering

446.4M.3 Spider Fitting HEAVY WEIGHT



SIDE VIEW

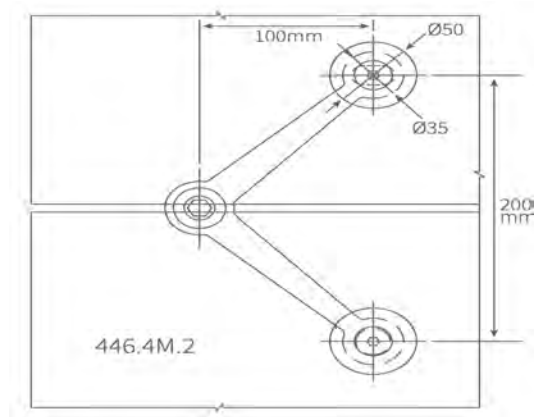


AVAILABLE FINISHES

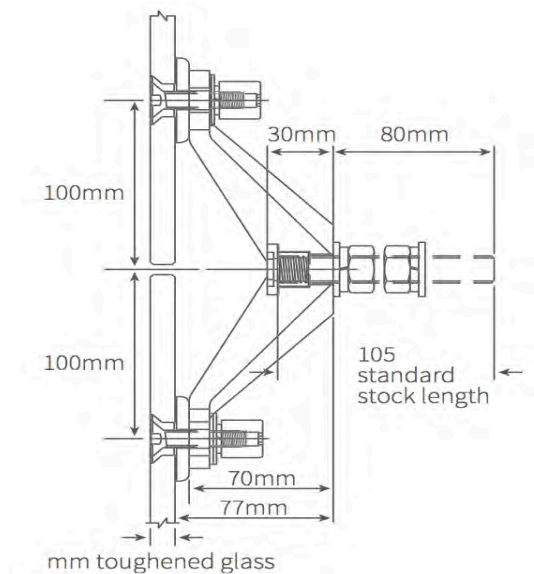
- Satin stainless steel
- Polished stainless steel

TECHNICAL DETAILS

- 3 way modified 446/4M
- M10 Csk, M10 Csk Disc, 60/22-22n, 60/22-42n IGU
- Specify glass thickness and fixing type when ordering

446.4M.2 Spider Fitting HEAVY WEIGHT


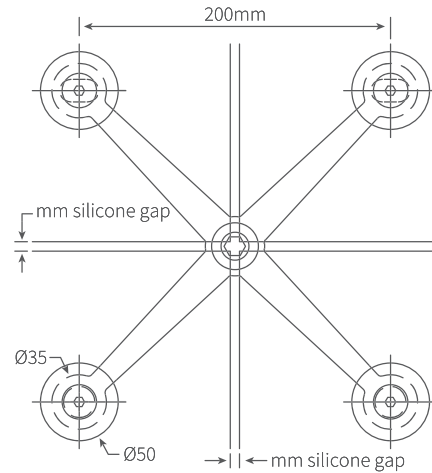
SIDE VIEW


AVAILABLE FINISHES

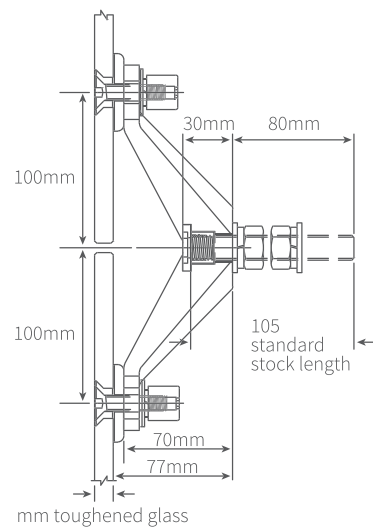
- Satin stainless steel
- Polished stainless steel

TECHNICAL DETAILS

- 2 way glass connector
- M10 Csk, M10 Csk Disc, 60/22-22n, 60/22-42n IGU
- Specify glass thickness and fixing type when ordering

446.4M Spider Fitting HEAVY WEIGHT


SIDE VIEW

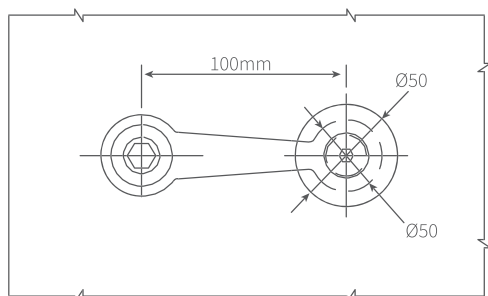

AVAILABLE FINISHES

- Satin stainless steel
- Polished stainless steel

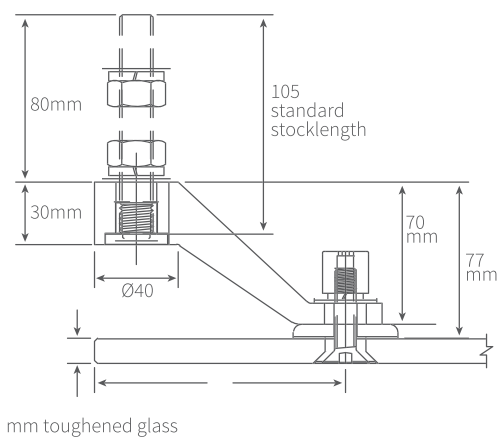
TECHNICAL DETAILS

- 4 way glass connector
- M10 Csk, M10 Csk Disc, 60/22-22n, 60/22-42n IGU
- Specify glass thickness and fixing type when ordering

446.2M.1 Spider Fitting HEAVY WEIGHT



SIDE VIEW



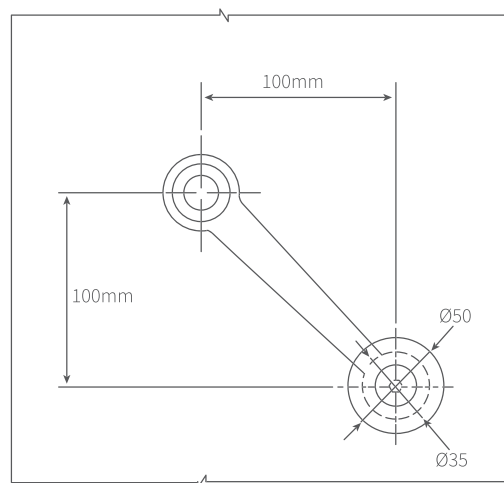
AVAILABLE FINISHES

- Satin stainless steel
- Polished stainless steel

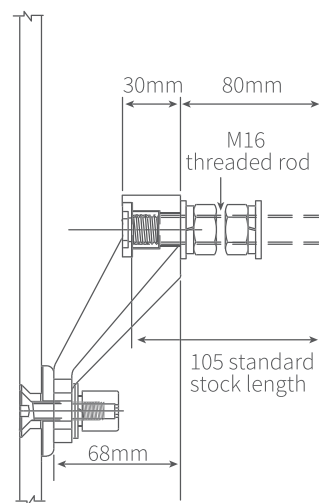
TECHNICAL DETAILS

- 1 way 446/2M
- M10 Csk, M10 Csk Disc, 60/22-22n, 60/22-42n IGU
- Specify glass thickness and fixing type when ordering

446.4M.1 Spider Fitting HEAVY WEIGHT



SIDE VIEW

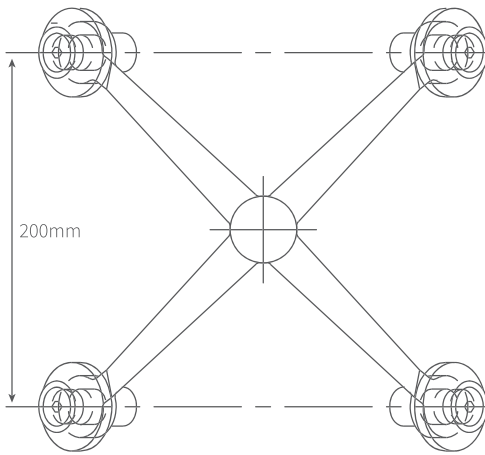


AVAILABLE FINISHES

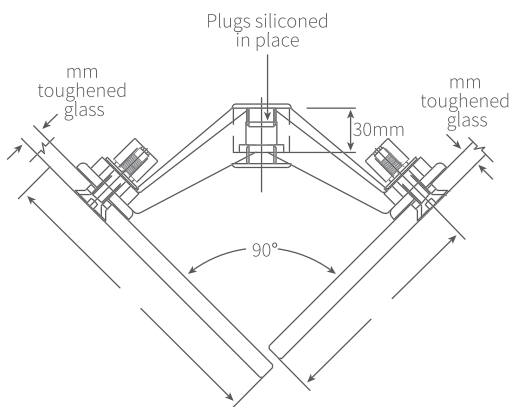
- Satin stainless steel
- Polished stainless steel

TECHNICAL DETAILS

- 316 grade stainless steel
- M10 Csk, M10 Csk Disc, 60/22-22n, 60/22-42n IGU
- Specify glass thickness and fixing type when ordering

446.4M.90° Spider Fitting


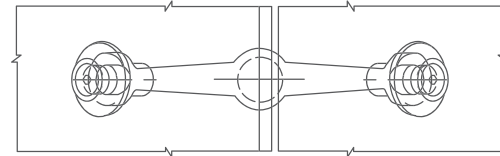
SIDE VIEW


AVAILABLE FINISHES

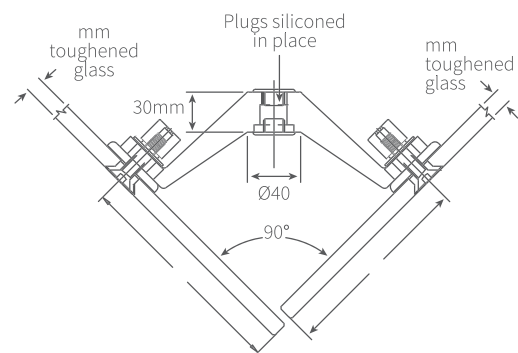
- Satin stainless steel
- Polished stainless steel

TECHNICAL DETAILS

- 4 way glass connector 90 degrees
- M10 Csk, M10 Csk Disc, 60/22-22n, 60/22-42n IGU
- Specify glass thickness and fixing type when ordering

446.2M.90° Spider Fitting


SIDE VIEW

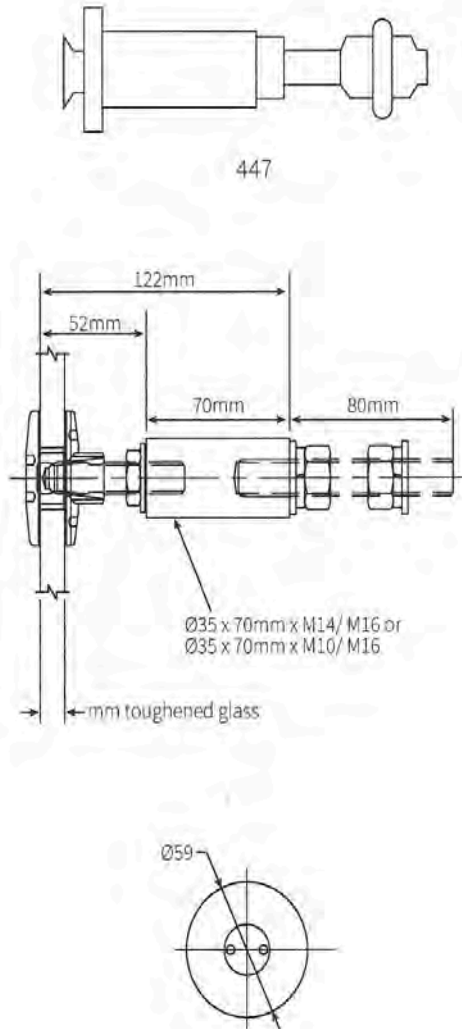

AVAILABLE FINISHES

- Satin stainless steel
- Polished stainless steel

TECHNICAL DETAILS

- 2 way glass connector 90 degrees
- M10 Csk, M10 Csk Disc, 60/22-22n, 60/22-42n IGU
- Specify glass thickness and fixing type when ordering

447 Glass Connector



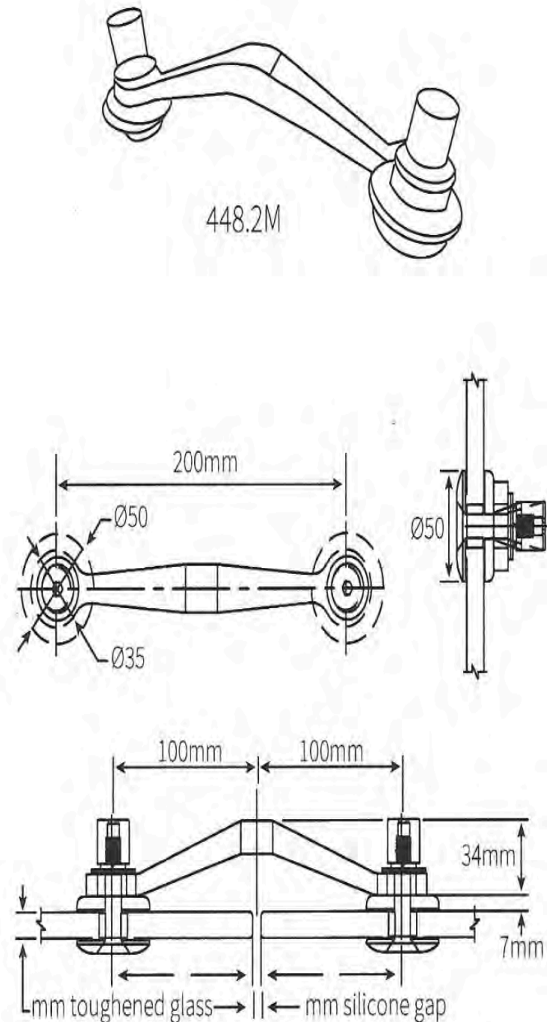
AVAILABLE FINISHES

- Satin stainless steel
- Polished stainless steel

TECHNICAL DETAILS

- 1 way glass connector
- M10 Csk, M10 Csk Disc, 60/22-22n, 60/22-42n IGU
- Specify glass thickness and fixing type when ordering

448.2M Link Connector

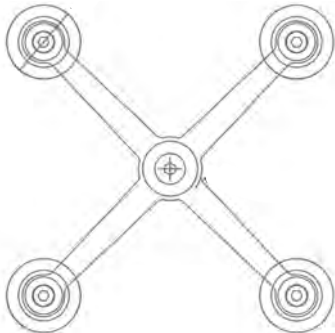


AVAILABLE FINISHES

- Satin stainless steel
- Polished stainless steel

TECHNICAL DETAILS

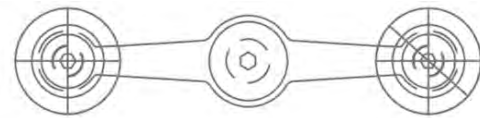
- 2 way link connector
- M10 Csk, M10 Csk Disc, 60/22-22n, 60/22-42n IGU
- Specify glass thickness and fixing type when ordering

443.4 Spider Fitting**AVAILABLE FINISHES**

- Satin stainless steel
- Polished stainless steel

TECHNICAL DETAILS

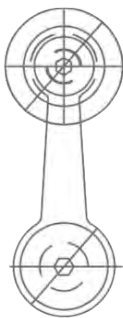
- 4 way glass connector for small elevations & balustrades - light duty
- M8 Csk, M8 Csk disc
- Specify glass thickness and fixing type when ordering

443.2 Spider Fitting**AVAILABLE FINISHES**

- Satin stainless steel
- Polished stainless steel

TECHNICAL DETAILS

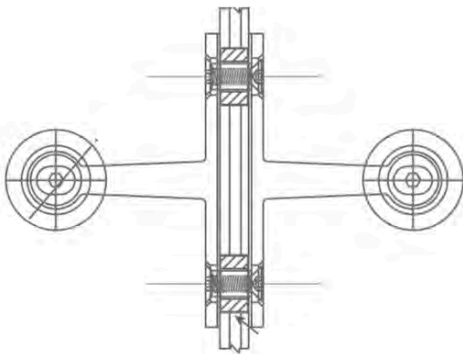
- 2 way glass connector for small elevations & balustrades - light duty
- M8 Csk, M8 Csk disc
- Specify glass thickness and fixing type when ordering

443.2.1 Spider Fitting**AVAILABLE FINISHES**

- Satin stainless steel
- Polished stainless steel

TECHNICAL DETAILS

- 1 way glass connector for small elevations & balustrades - light duty
- M8 Csk, M8 Csk disc
- Specify glass thickness and fixing type when ordering

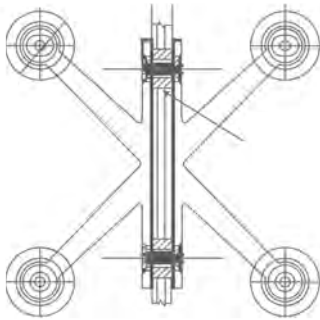
444.2 Spider Fitting**AVAILABLE FINISHES**

- Satin stainless steel
- Polished stainless steel

TECHNICAL DETAILS

- 4 way glass connector for balustrades - light duty
- M8 Csk, M8 Csk disc
- Specify glass thickness and fixing type when ordering

444.4 Spider Fitting



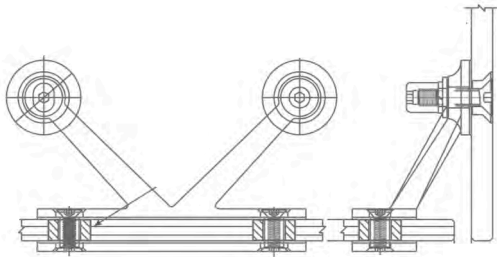
AVAILABLE FINISHES

- Satin stainless steel
- Polished stainless steel

TECHNICAL DETAILS

- 4 way glass connector for balustrades - light duty
- M8 Csk, M8 Csk disc
- Specify glass thickness and fixing type when ordering

444.4.2 Spider Fitting



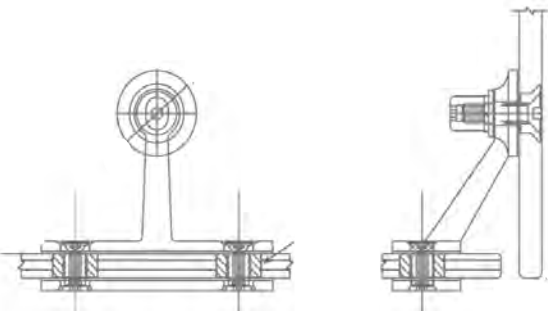
AVAILABLE FINISHES

- Satin stainless steel
- Polished stainless steel

TECHNICAL DETAILS

- 4 way 1 side glass connector for balustrades - light duty
- M8 Csk, M8 Csk disc
- Specify glass thickness and fixing type when ordering

444.2.1 Spider Fitting



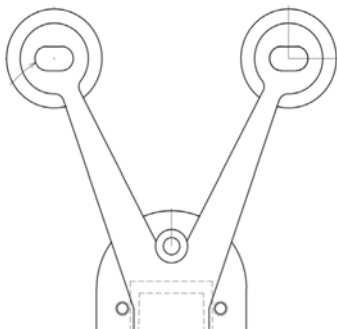
AVAILABLE FINISHES

- Satin stainless steel
- Polished stainless steel

TECHNICAL DETAILS

- 2 way 1 side glass connector for balustrades - light duty
- M8 Csk, M8 Csk disc
- Specify glass thickness and fixing type when ordering

451 Bottom Pivot Door Spider



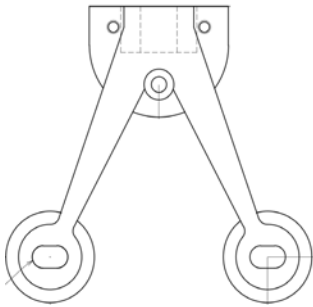
AVAILABLE FINISHES

- Satin stainless steel
- Polished stainless steel

TECHNICAL DETAILS

- Bottom Pivot Door Spider
- M8 Csk, M8 Csk

452 Top Pivot Door Spider



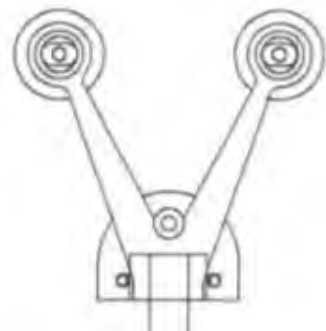
AVAILABLE FINISHES

- Satin stainless steel
- Polished stainless steel

TECHNICAL DETAILS

- Top pivot door spider
- M8 Csk, M8 Csk

483 Transom Panel Pivot Door Spider



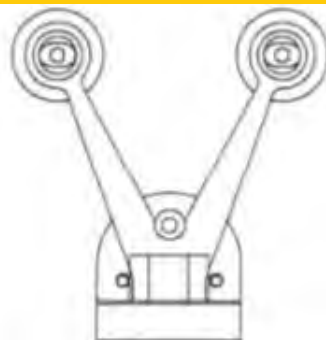
AVAILABLE FINISHES

- Satin stainless steel
- Polished stainless steel

TECHNICAL DETAILS

- Bottom pivot door spider
- M8 Csk, M8 Csk

485 Transom Spider Door Stop



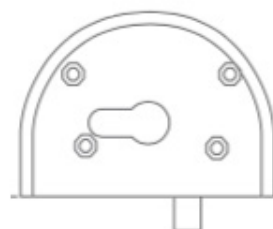
AVAILABLE FINISHES

- Satin stainless steel
- Polished stainless steel

TECHNICAL DETAILS

- Transom spider door stop
- M8 Csk, M8 Csk

456 Profile Plunger Lock



AVAILABLE FINISHES

- Satin stainless steel

TECHNICAL DETAILS

- Profile plunger lock c/w euro lock cylinder and snib

SPIDERDOOR Pivot Door System



SpiderDoor Pivot Door System

The Austvision SpiderDoor System uses specially developed spider pivot door fittings for internal and external door entries and to compliment Austvision glass systems.

Types

The SpiderDoor uses 4 fittings:

- 451 - Two arm spider bottom pivot
- 452 - Two arm spider top pivot series
- 483 - Two arm overlite pivot housing
- 456 - Half moon lock fitting

Glass fittings are normally M8 CSK or M8 CSK Disc fittings to suit the application.

Material and Finish

The fittings are cast 316 marine grade stainless satin and polished finish.

Installation

The SpiderDoor system can be used with Metro GlassTech, TempaFloat, TempaSoak, TempaScreen or TempPrint Toughened Safety Glass (TSG)

Benefits

The SpiderDoor uses 4 fittings:

- Easy to measure and install
- Fits to standard floor springs and pivots
- Suitable for 10 and 12mm toughened safety glass
- Good corrosion resistance
- Compliments spider structural glass wall fittings
- Range of fitting configuration to suit the application

Compliance

The SpiderDoors system can be used for 10 and 12mm frameless glass doors to suit the typical restrictions on patch fitting doors as detailed in Technical Bulletin 40. Guidance notes for frameless glass doors and assemblies.

SPIDERFRAME Structural Glass System

SpiderDoor Pivot Door System

The Austvision SpiderFrame system is a specifically developed elliptical shaped aluminium extrusion and spider connection system for structural glass walls and screens, shopfront, display walls or canopies

The SpiderFrame uses simple techniques for connecting Toughened Safety Glass panels to the SpiderFrame, which can be used as a vertical post or horizontal transom or canopy supports. The SpiderFrame can also be used cantilevered in short sections to replace glass fins or the like, and even for balustrade posts. It is connected to the structure with special profiled feet and can be reinforced with steel RHS inserts for high loadings over long spans.

Types

The SpiderDoor has 3 fixing options:

AlphaLink - 50/150 link connector

443 series - 4 or 2 light weight spider with a central M10 fixing

446 series - 4 or 2 way heavy duty spider with M16 fixing

Glass bolt connectors can be countersunk, disc or swivel to suit the application and glass thickness.

Material and Finish

The SpiderFrame is a 150 x 72mm elliptical aluminium extrusion which can be anodised or powder coated to suit including the profile clip on covers to conceal fixing slots. The extrusion lengths are 4.5m but can be joined. The fixing feet are stainless steel or mild steel along with the RHS stiffener. The spider fittings are cast 316 marine grade stainless steel and are available in satin and polished stainless finish.

Installation

The SpiderFrame can be used with Metro GlassTech TempaFloat, TempaSoak, TempScreen or TempaPrint Toughened Safety Glass (TSG) or safeLite Toughened Laminated Safety Glass (TLSG)

Benefits

- Easy to measure and install
- Can be stiffened for large spans
- Adjustable
- Suitable for 8mm toughened to 20mm toughened laminated glass
- Can be used with point fixed IGUs
- Appearance profile design
- Range of fitting options

SPIDERFRAME Structural Glass System

Compliance

The SpiderFrame is specifically designed for each application as the post span and width modules are based on the design loads for the project.



TIEROD Canopy System**TieRod Canopy System**

The Austvision TieRod Canopy System was designed and developed for residential and commercial entrances with a strong emphasis on simplicity in design and ease of installation.

Types

Standard designs are available as follows:

- C1 - 1 pane - 2 tie rods
- C2 - 2 panes - 3 tie rods
- C3 - 3 panes - 4 tie rods - 2 sets
- C4 - 4 panes - 4 tie rods - 3 sets

All TieRod canopy systems use 60/22-22n M14 articulated swivel glass connectors. The 60/22-22n swivel glass connectors are designed with 6 degree rotation in any direction to reduce the stress around the glass hole compared to conventional fixed connectors.

Material and Finish

The fittings are 316 marine grade stainless steel in satin and polished finish.

Installation

The TieRod canopy system is glazed with Metro GlassTech, TempaFloat, TempaSoak, TempScreen or TempaPrint toughened safety glass (TSG) or SafeLite Toughened Laminated Safety Glass (TLSG)

Benefits

The SpiderDoor uses 4 fittings:

- Easy to measure and install
- Suitable for 10mm or 19mm TSG
- Suitable for 11.5mm to 22mm TLSG
- Good corrosion resistance
- Simple frameless look

Compliance

The TieRod canopy system requires specific engineering design to comply with NZS4223 and AS/NZS1170, wind, snow and live load combinations.

Series R Patch Fitting Range

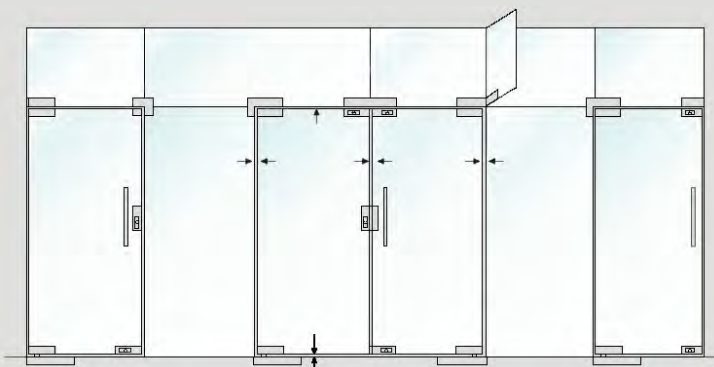


The Series R patch fitting range provides a refreshingly sleek connection system for frameless glazing.

45 mm high solid stainless steel plates with crisp sharp edges give a distinctive but minimalist feel to any glazed partition or entrance.

A comprehensive range of Series R fittings allows designers maximum flexibility when combined with locking pull handles and latching lever-sets.

Series R Patch Fitting Range



AVAILABLE FINISHES

- Satin stainless steel
- Polished stainless steel

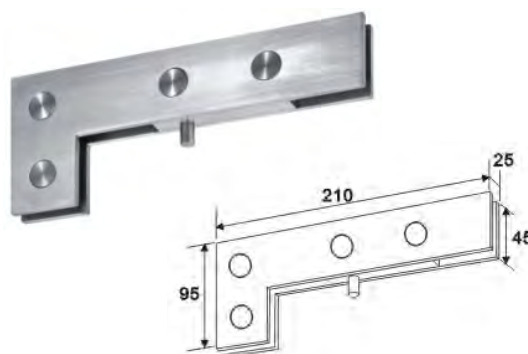
TECHNICAL DETAILS

- Glass 10mm and 12 mm monolithic fully toughened
- Bottom patch fittings connect to a standard tapered FC-84 floor spring or AT-180 free pivot

PR-41R / PR-41L



PR-40



PR-51



PR-50



LR-51K / LR-51



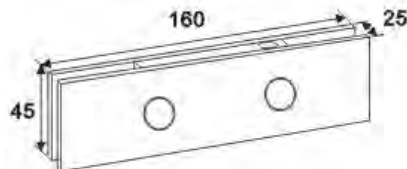
LR-20K / LR-20



PR-20



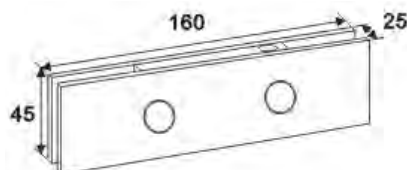
PR-30






PR-10



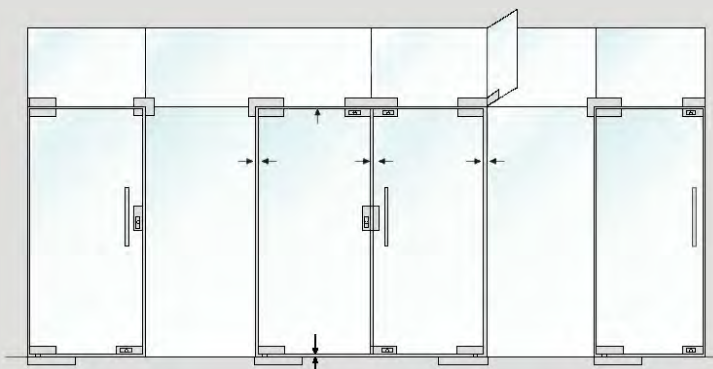
PR-30P



Patch Fittings – Series H

CODE		DESCRIPTION
PH-10		Bottom patch 10 – Series H – Solid Stainless Castings
PH-20		Top patch 20 – Series H – Solid Stainless Castings
PH-30		Highlight patch 30 – Series H – Solid Stainless Castings

Patch Fittings – Series R






AVAILABLE FINISHES







- Satin stainless steel
- Polished stainless steel

TECHNICAL DETAILS

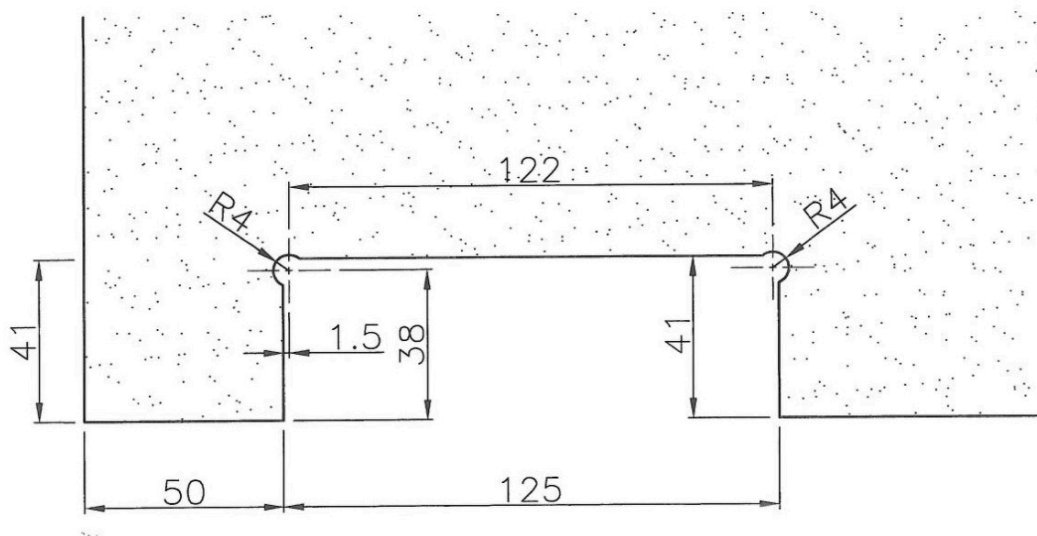
- Glass 10mm and 12 mm monolithic fully toughened
- Bottom patch fittings connect to a standard tapered FC-84 floor spring or AT-180 free pivot

CODE		DESCRIPTION
PR-10		Bottom patch 10 – Series R – Solid Face Plates
PR-20		Top patch 20 – Series R – Solid Face Plates
PR-30		Highlight patch 30 – Series R – Solid Face Plates

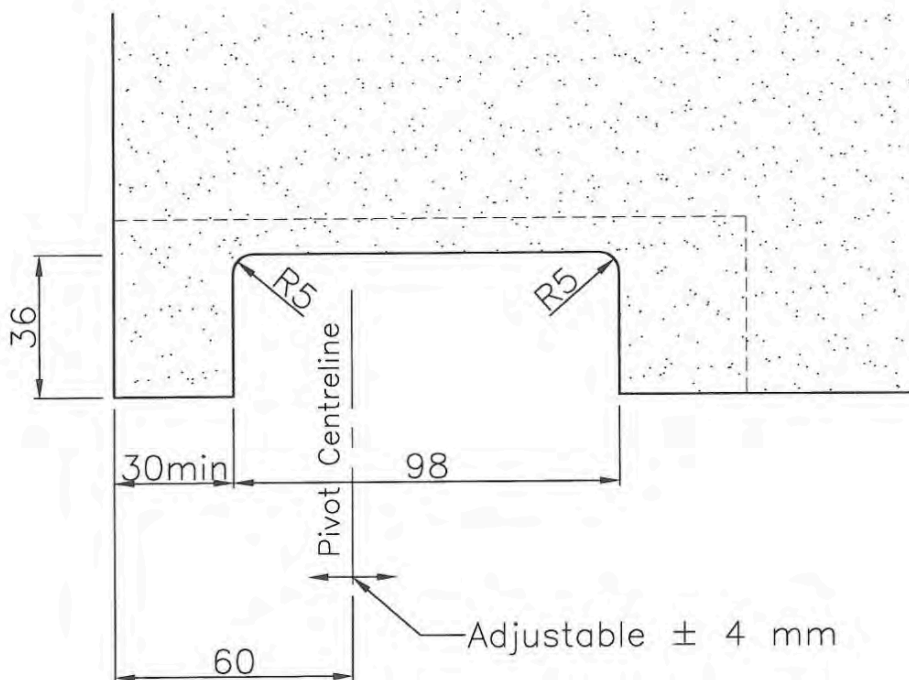
Patch Fittings – Series R (Cont'd)

CODE		DESCRIPTION
PR-30P		Highlight patch 30 with wall mounting plate – Series – Solid Face Plates
PR-40		Corner pivot patch 40 – Series R – Solid Face Plates
PR-41L		Corner pivot patch 41L with fin – Series R – Solid Face Plates
PR-41R		Corner pivot patch 41R with fin – Series R – Solid Face Plates
PR-50		Twin pivot patch 50 – Series R – Solid Face Plates
PR-51		Twin pivot patch 51 with fin – Series R – Solid Face Plates

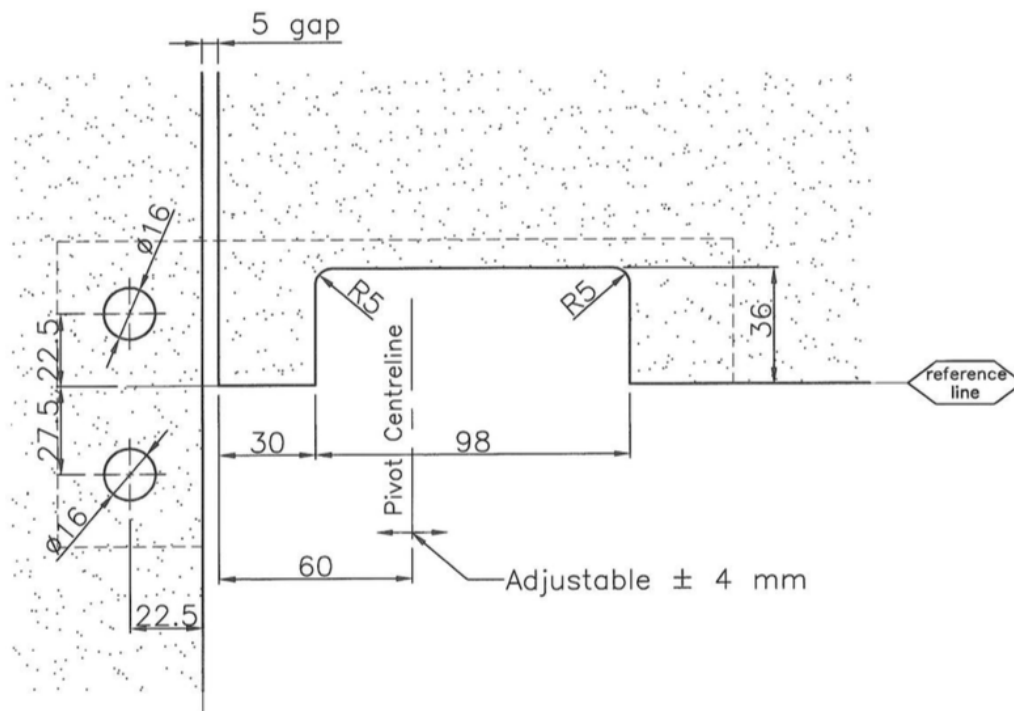
LR-51 Glass Cutout for Patch Lock



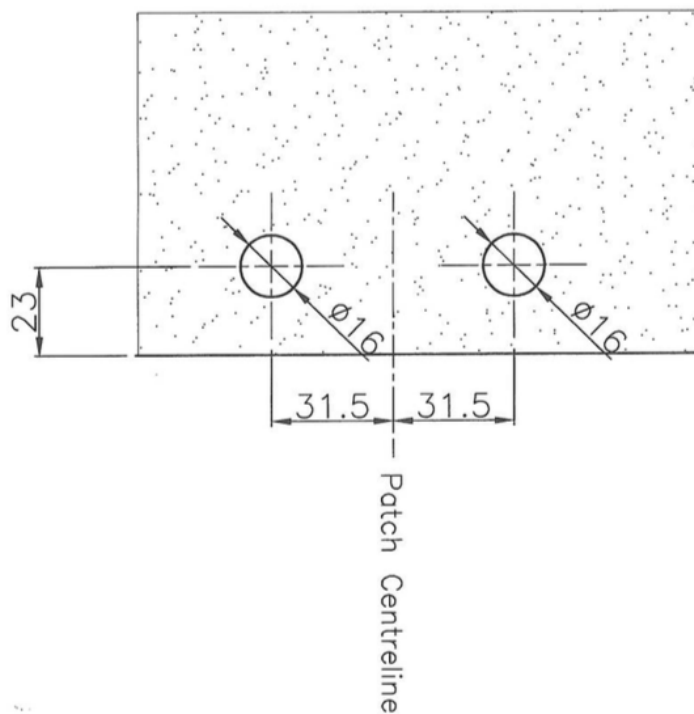
PR-10 / 20 / 30 Glass Cutout for Patch Fittings



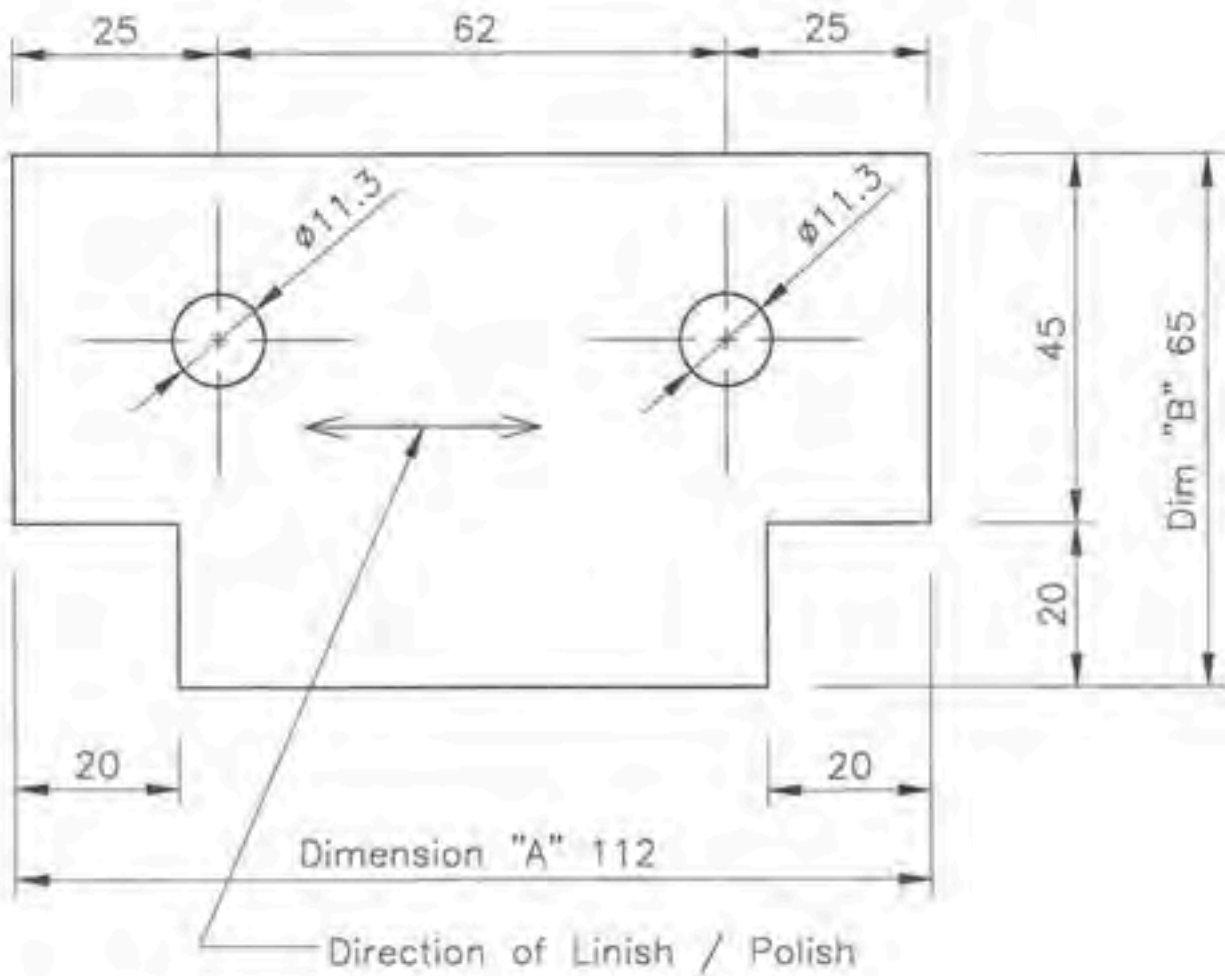
PR-40 Glass Cutout for Patch Fittings



PR-70s Glass Cutout for Patch Fittings



PR-70 Stop Fitting Dimensions



Bostik V60 High Performance Glazing Silicone

A premium grade neutral cure glazing weather proofing silicone sealant. V60 has been the market leader in the glass market for the last 25 years.

Uses:

- 2 sided structural glazing, fin glazing, toughened glass assemblies and general glazing applications
- Sealing of laminated and reflective glass, mirrors and splashbacks (excluding vinyl backed glass)
- Black, white, translucent



CRLGC CRL Glass Cleaner

Sanitary



CRLHI CRL Hi Sheen

CRL01 Kwikset Grout



Sets in 15-20 minutes.

EzyBrace Pro

The EzyBrace Bracing system is an all-in-one bracing solution designed specifically for the glass industry. It allows for temporary bracing of glass panels in 'wet-glaze' pool fencing and balustrading



Dual Clamp

The Dual Clamp allows you to fit a row of panels without moving the Ezy Brace



Ezy Snap Blades

Standard
snap-off knife



Ezy Snap Blades

6 snap-off
segments for a
total of 7 cutting
edges per blade



Razor Blades

- Single edge razor blade
- Pack of 100



Clear Setting Block

- Available sizes:
1.5mm,
3mm, 5mm
- 100 pieces per bag



Cat Door



Dog Door



Gator Trigger

- Professional grade 1/10-gallon drop-free caulk gun
- Thermoplastic comfort grip
- Professional drip-free hex rod
- Includes ladder hook
- All-steel, welded construction



Glass Sucker

- Lightweight
- Heavy duty handle
- Load capacity 56kg



Mini Glass Sucker

Load capacity 25kg



Suction Pad Brackets

Precision drilling accuracy in tiles



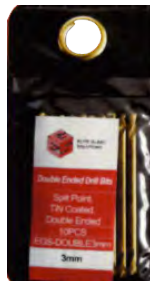
Glass Cutter

Box of 6



Double Ended Drill Bits

- 3mm
- 10 pack



Spatula



Spade Porcelain Eater

For drilling through porcelain tiles



Round Porcelain Eater

- 6mm
- For drilling through tough porcelain tiles



Phillip Head Drill Bits

- 25mm or 50mm
- 2 pack



Jigsaw Blades

2 pack



Quad 6mm Drill Bit

For drilling through
ceramic tiles



Spade 6mm Tile Drill Bit

For drilling
through tiles



Soft1 Glueless Patch



Soft1 Glueless Patch is a self-adhesive patch that does not bond to skin, hair nor wounds and can be applied even if the skin is dirty or wet.

- Skin Friendly
- Cross-elastic
- Blood absorbent
- Keeps debris away
- Protects the wound
- Provides great flexibility in the joints



Strong adhesion. The patch does not fall off, ever when wet.



The patch is very flexible. It moulds to the joint's movements.



The patch does not bond to the skin, hair or wounds. Leaves no sticky residue

Soft1 Glueless Patch



Available shapes

- Rectangle
- Square
- X-shape
- Hexagon

Technical details

- Available in 1000mm or 120mm lengths
- Custom designs available

Glass Gloves



Sanitary - Neutral Cure Anti-Fungal Silicone Adhesive / Sealant



DESCRIPTION

SA Sanitary Silicone Sealant is a one part, 100% oxime, neutral curing adhesive / sealant containing anti-fungicide to prevent mould growth. It resists mildew when exposed to prolonged hot and humid environments and is suitable for sealing in kitchens, vanities, bathrooms, shower screens and any other wet area applications.

KEY PERFORMANCE PROPERTIES

- Non Slump
- Mildew resistant
- One part ready to use
- Outstanding weatherability
- Excellent Adhesion
- Excellent UV resistance
- 5 star Voc compliant

APPLICATIONS

SA Sanitary has excellent adhesion to glass, ceramics, aluminium, masonry, stone, concrete, most metals and many plastics. It may be used for general glazing and weatherproofing applications including wet areas and humid environment.

SPECIFICATIONS

Typical data values should not be used as specifications. A thin bead of sealant will tolerate more movement than a thick bead. Joint width and depth should be no less than 4mm. Maximum joint widths should not exceed 25mm. Joint depths should be half the width, with a maximum depth of 10mm. Polyethylene closed cell foam is the recommended backing material to provide the correct depth of joint. If the joint is too shallow, use a polyethylene tape bond breaker. Do not allow the silicone sealant to contact the back of the joint or any staining materials.

PROPERTY	VALUE
Cure Method	Neutral (Oxime)
Colours	Translucent, White, Ivory
Sag/Slump	NON SLUMP (0.1% max)
Hardness (ASTM D2240)	28 Shore A
Tensile strength	1.7 MPa
Dynaic Joint Movement	+/-25%
Skin time @25 degrees / 50%Rh	5-10 min
Cure time 10mm @25 degrees / 50%Rh	5-7 days
Operating temperature	-62 to 190 degrees
Specific gravity	1.03



Clean - X The Invisible Shield



The Invisible Shield is a multifunctional transparent polymer coating for the preservation, enhancement and preventative cleaning of glass, porcelain and ceramics! It mechanically seals, polishes and protects these surfaces with a system of 'isometric' polymers that durably bond to the surface. When applied as directed, the Invisible Shield coating is warranted to make surfaces instantly water, soil and stain repellent. It is guaranteed to be chemically inert, thermally stable and absolutely invisible without cracking, peeling or discolouring.

Uniquely, it can be infinitely renewed without build-up. By making surfaces actively water, soil and stain repellent, the Invisible Shield permits the practice of preventative cleaning and maintenance. It reduces cleaning costs, repairs and replacements; while improving appearance... keeping surfaces like new!

- A single application of Invisible Shield will last up to 10 years on exterior windows, architectural glass and facades with a minimal annual cleaning program.
- A single application of Invisible Shield will last up to 5 years on glass verandas, partitions and solar glass with proper maintenance.
- A single application of Invisible Shield will last up to 2 years on shower cabins, glass enclosures and all sandblasted glass with proper maintenance.

Windows, Partitions, Curtain walls, Automotive / Marine / Aircraft, Shower doors, Solar panels, Sandblasted glass, Decorative glass, Porcelain sinks / tubs, Ceramic tiles

PROPERTIES

Form:	Liquid
Appearance:	Clear
Active ingredients:	Min. 7.5% activated 'isometric' polymers
Flash point:	16 degrees celcius
Ph:	3.0
Catalist system:	Ethyl / isopropyl / hydrogen sulfate
Solvent:	Specially denatured ethanol / isopropanel
Specific gravity:	0.810 (@ 15.5 degrees celcuis)
Shelf life:	Indefinite (in closed containers)
Surface coverage:	Average 4000 sq.ft./gal.

*Available in 55-gallon drum, 5-gallon pail, 1-gallon, 32 fl. oz and 16 fl. oz

Test data: Based on 3rd party tests conducted by international testing organisation, Nanovea, that utilise ASTM standards, G99, D7027 and D7187, Unelko's Transparaent polymer coating was proven to be: glass with proper maintenance.

- 23% more resistant to wear and uncoated or untreated glass.
- 77.3% more resistant to scratch penetration.
- 31.2% less stress on coated glass compared to uncoated due to greater resistance to scratch penetration.

Clean - X The Invisible Shield - Performance and Application



The Invisible Shield is ready to use as supplied, requires no shaking or stirring and should not be diluted. Invisible Shield should be used sparingly; but in a manner that ensures complete and uniform treatment. Applied by conventional wiping and polishing, it affords remarkable coverage - well in excess of 100 m²/litre or 4000 sq.ft/gallon. Specific coverage will vary slightly in accordance with the type and condition of the particular surface being treated and care with which the material is applied.

Surface preparation: All surfaces must be washed and thoroughly dried before treatment. New clean surfaces may be flushed with plain water and thoroughly dried. Visibly soiled, stained, worn or eroded surfaces must be first cleaned with clearwater to remove all cleaner residues. Invisible Shield does not build up on itself and it is not necessary to remove previous applications before retreating and renewing surfaces. It requires no curing and time-bonds instantly.

Application directions: Invisible Shield can be hand or spray applied. Apply the Invisible Shield to a clean, soft cloth that has been folded into a pad. The cloth should be soaked, but not dripping wet. Carefully wipe wetted cloth over the entire area to be treated, using a firm, circular overlapping motion. If excess material, remove by wiping with a clean cloth; until all excess polymer is removed. Remove the excess material by wiping with a clean cloth; turning the cloth frequently until all the excess polymer is removed. Excess product can also be removed from large surfaces or intricate forms by spraying the surface with clean water and wiping with a dry cloth until the surface is clean and sparkling.

Application temperatures: Although the Invisible Shield can be freely applied throughout the year, surfaces to be treated must be completely dry. For greatest application efficiency, the surface should not have temperatures below 0 degrees or above 35 degrees celcius.

Handling and storage precautions: The Invisible Shield contains a fast-evaporating flammable solvent and should not be used or stored near an open flame or temperatures above 45 degrees celcius.

Ready to use - Require no mixing, dilution or catalysts.

Spray or wipe-on treatment - Offers versatility and ease of application.

Fast acting and non-dusting - Contains no waxes, plastics or resins.

Multi-functional - Repels water - reduces friction and scratching - improves clarity.

Invisible and non-distorting - Monomolecular film - optically clear

Durability: The resulting coating is ultra durable and will last up to 10 years depending upon environmental exposure. Performance is only affected only by abrasive conditions. Its ultimate effectiveness and durability will be a function of (1) the type and condition of the surface, (2) the quality of the application and (3) the nature and degree of exposure. Re-application will be necessary when the surface does not bead water at a contact angle of 80 degrees. It is recommended that a maintenance procedure be regularly reviewed in light of the demands of the environmental exposures.

Importantly, at only pennies per square metre or square foot, Invisible Shield saves substantial time, labor and money ordinarily needed to clean glass. It makes cleaning remarkably easy, reduces required maintenance and saves work, repairs and replacements.



REPEL - Glass cleaner



REPEL Glass Cleaner

This patent-pending glass and surface cleaner cleans glass and other surfaces to a streak free shine and simultaneously bonds a nano-scale 'invisible barrier' to the surface that repels water, soil, grime and stains for less re-soiling and easier next time cleaning.

REPEL reduces the adhesion and build-up of hard water spots, oil, grime, smudges, fingerprints, soap scum and mineral desposits. REPEL is great on windows, doors, showers, mirrors, tables, sinks, tubs, tiles, counters and more! Once you use REPEL, you'll never use an old fashioned glass cleaner again!

Available in RTU & Concentrate form.

Directions for use: Spray the surface with REPEL and wipe up with cloth or paper towel until the surface is dry and polished.

Precaution: Avoid eye contact. If contacted, flush eyes with water for 15 minutes. See physician if irritation develops. Keep out of reach of children.

Properties:

- Active ingredients: 1-Octadecanaminium N, N-Dimethyl N (3-trimethoxysilyl) propyl chloride.
- Flash point: None (non-flammable)
- Odor: pleasant
- Color: tinted - slightly cloudy (normal)
- pH: 5.0-7.0
- Viscosity: Consistency of water
- Foam: Slight when shaken or sprayed
- Abrasives: None
- Solubility: Complete with water
- Storage stability: Minimum 2 years
- Weight per gallon: 8.35lbs
- Freeze/thaw stability: Good
- Packaged: 32fl. oz. ready to use spray bottles

Bottle

REPEL (32 fl. oz.)

REPEL (1 gal.)

Case Pack

REPEL (32 fl. oz.) 12 bottles / case

REPEL (1 gal.) 4 bottle / case

Pallet Pack

REPEL (32 fl. oz.) 44 bottles / case

REPEL (1 gal.) 40 bottle / case

Stainless Steel Polish

Removes watermarks and finger smudges
Conceals surface scratches
Prevents tea staining



STAINLESS STEEL AND ALUMINIUM POLISHER

Cyndan Stainless Steel Polish contains a unique blend of ingredients for the total maintenance of all grades of polished stainless steel and aluminium.

It removes watermarks, finger smudges and conceals surface scratches. Once applied it forms a protective monomolecular coating which repels water, soiling, chemical attack and adhesion.

This protective coating preserves the surface against deterioration, enhances the appearance with a lasting gloss and eases future cleaning. Ideal for lift doors, fridges, automotive and marine fittings.

Benefits and Features

1. Will place a protective coating on Stainless Steel that will help prevent tea staining.
2. Will protect handrails from air borne contamination.
3. It leaves a non-oily surface on areas that are cleaned.
4. It does not attract dust.
5. It has a certificate of approval to be used in and around the kitchen areas.
6. It can be used on all grades and finishes of Stainless Steel safely.
7. Only a small amount is used to cover most surfaces.
8. It can also be used to enhance the lustre of dark coloured laminex surfaces as it helps to cover scratches and some marks on those types of surfaces. Laminex Kitchens: cleans and protects - helps to eliminate fingerprints.
9. Timber: cleans and protects - enhances timber colour.

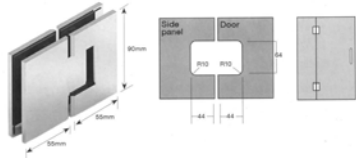
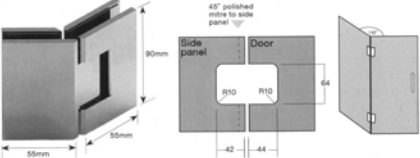
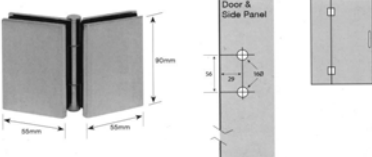
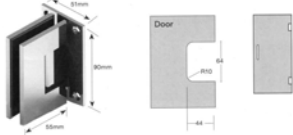
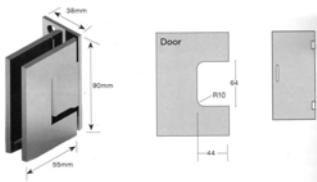
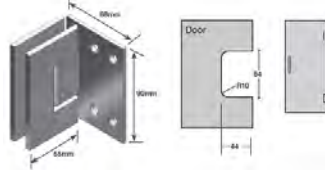
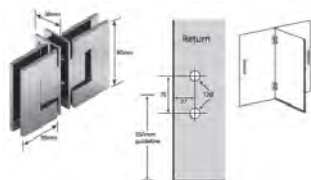
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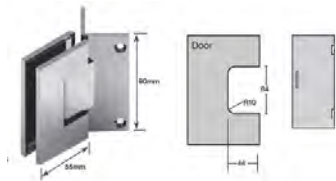

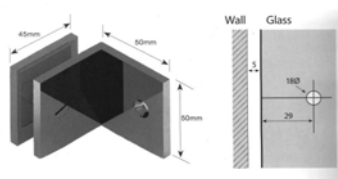
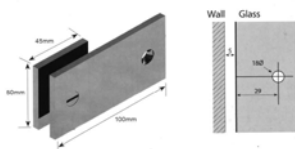
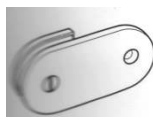
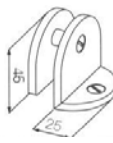
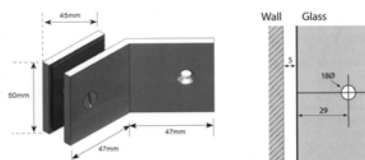

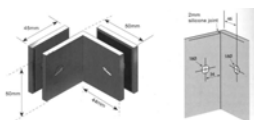
- Balustrading
- Railings
- Commercial kitchens
- Tanks
- All stainless steel surfaces


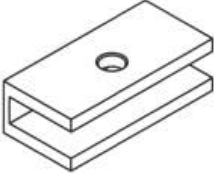

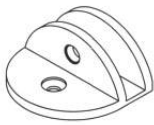
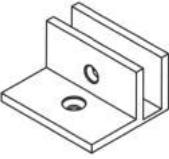



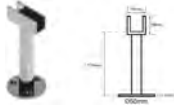




Shower Screens

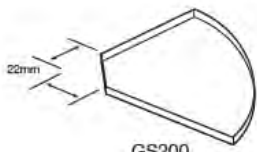
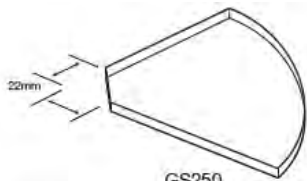
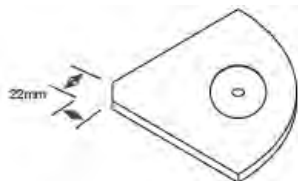
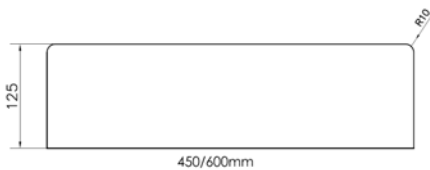
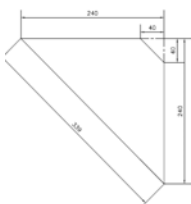

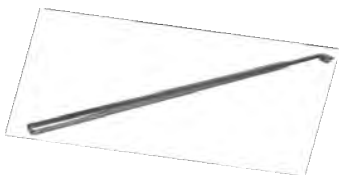


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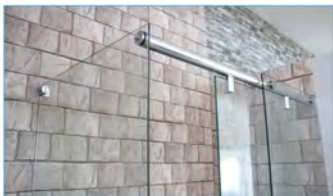
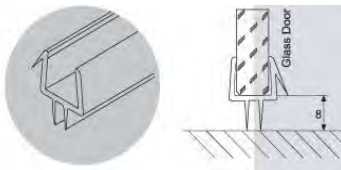
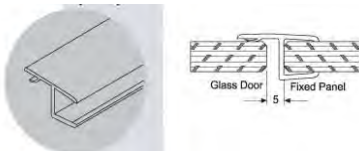

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	ES2-BF BLACK	\$45.10 +gst \$72.00+GST
	ES1	\$38.50 +gst
	ES1L USET HEAVY DUTY BLACK	\$38.50+ gst \$59.90+gst \$77.20+GST \$64.00+GST
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	ES1LB2B	\$125.6+gst

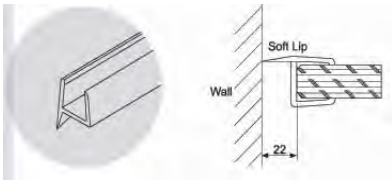
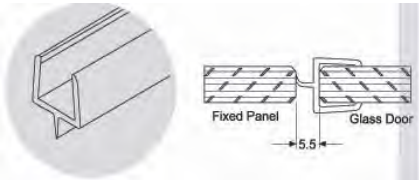
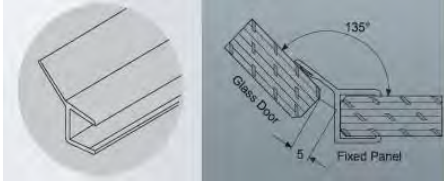
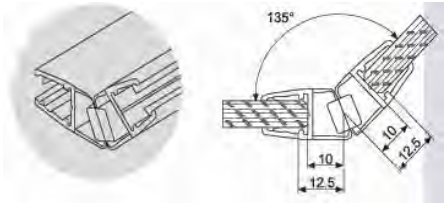
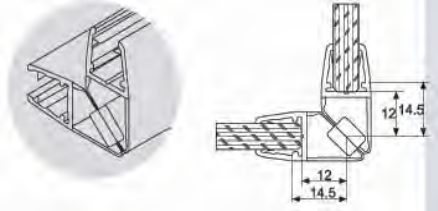
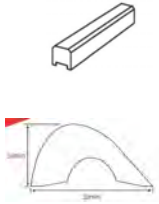

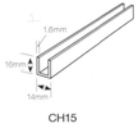
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	OPF 1	\$10.00 +gst
	OPF 2	\$10.00 +gst
	SB10 STOP	
	Shower Support Bracket	
	SB50 CAB	SB50 CAB SQ \$20.90 +gst
	MH40 BLACK	\$9.40 +gst \$14.40+GST

	Page4	SK 25	\$17.60 +gst	
		SK 40	\$13.20 +gst	
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		BLACK	\$24.00+GST	
	TRK			
	Towell rails	210	\$34.00+gst	
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	SK 60			
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SK 90				
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	SH 200		\$35.20 +gst	
	SH 300		\$49.50 +gst	
CUBIC 2510				
		SMALL CUBIC	(CENTRES 155MM)	\$78.50+ gst
		SMALL BLACK		\$38.50+GST
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	BLACK		\$40.00+GST	

Page 5		GS 200	GS250	
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GS 200 Soap				
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GS RECT				
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GHABGG				
	Glass to Glass			\$49.50 +gst
GHABGW				
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GHB - Cut to Size				
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Page 6	Sliding Shower	F001		\$220.00 +gst
	Sliding Shower One Return	F002		\$220.00 +gst
	Sliding Shower 2 Returns	F003		\$220.00 +gst
	Hydroslide	1500 1800		\$472.00 +gst \$485.00 +gst
	WS -10-10			\$6.60 +gst
	WS 10-03			\$6.60 +gst
	WS 10-04			\$6.60 +gst

Page 7 	WS 10-05 \$6.60 +gst
	WS 10-06 \$6.60 +gst
	WS 10-135 \$6.60 +gst
	Magnetic \$30.00 +gst
	Magnetic \$30.00 +gst
	WS3 Water Bar 3 Meters Length GHA B10 \$19.80+gst \$19.80+GST
	HR1 Water Bar 1.5 Meter length \$19.80+gst
	CH 15 3.0 Meter length \$21.00+gst

Page 8				
	CH18	3.0 Meter length		\$22.00+gst
	WS1			\$30.00+gst
	AS1 6mm x 18mm			\$19.80+gst
	INVISIBLE SHIELD	Pack does 10m2	\$43.95+gst	
	1 Litre REPEL GLASS CLEANER	Does 100m2	\$120.00+GST \$17.00+GST	
				\$87.00+gst
	BOSTIK V60 Structural Neutral Cure	\$5.50+gst		
	Sanitary anti Fungal Neutral Cure	\$4.30+gst		
	Stainless ReJuvination Kit	\$49.95+gst		



Spatula

\$3.25+gst



Ezy Brace Pool System

\$120.00+gst



Dual Clamp Ezy Brace

\$15.00+gst



Silicone Gun

\$22.00+gst



CRL Glass Cleaner

\$5.00+gst



CRL Hi-Sheen Glass Cleaner

\$5.70+gst



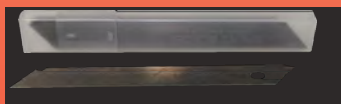
Soft 1 Glueless Band Aids

\$38.45+gst



Gloves

\$4.40+gst



Ezy Snap Blades

\$4.30+gst



Knife

\$6.60+gst



Single Edge Razor Blades

\$14.30+gst



Setting Blocks

1.0mm	\$6.70+gst
1.5 mm	\$7.70+gst
3.00 mm	\$8.80+gst
5.00mm	\$9.90+gst
9.5mm	\$25.30+gst



Cat door

\$41.00+gst

Diam Hole 267mm



Dog Door

\$71.50+gst

Diameter Hole 385mm



Mini Suckers

\$16.50+gst



Glass Suckers

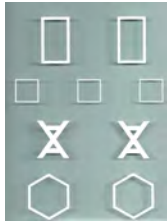
\$115.50+gst



Suction Pad
Precision Drilling in Tiles

\$27.50+gst

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		Phillip Head drill Bits		Pack of 2		25mm 50mm	\$2.20+gst \$3.30+gst
		Jigsaw Blades		Pack of 2		\$2.20+gst	
		3mm Drill Bits Double Ended		Pack of 10		\$6.60+gst	
		Quad 6mm Drill Bits For Drilling through Ceramic Tiles				\$7.70+gst	
		Spade 6mm For Drilling through Tiles				\$5.50+gst	
		Spade -6mm Porcelain Tiles				\$11.00 + gst	
		6mm Round Diamond For Porcelain				\$16.50+gst	



Page 12 Manifestation

Per Meter
Standard Sizes
1000 mm
1200 mm

\$2.00+gst
Per Meter

Sliding Shower Screen SS10 and SS20

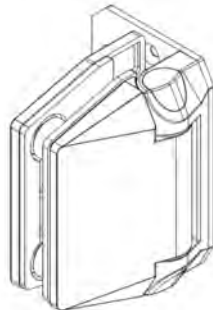
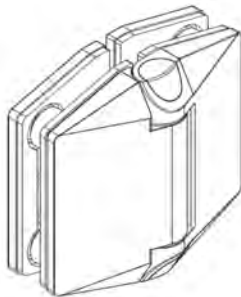


SS10 \$620.00+gst

SS20 \$720.00+gst

Soft Close Hinges

Shower Hinges



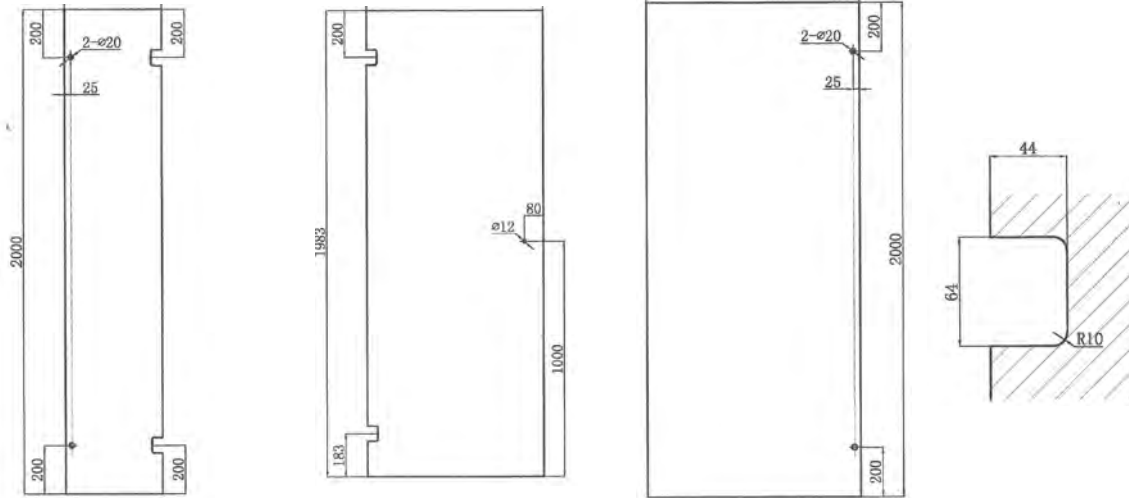
Glass to Glass \$286.00+gst

Glass to wall \$286.00+gst

STANDARD SHOWER PANELS NO HOLES

595		\$79.50
695		\$92.40
795		\$105.60
850		\$112.20
895		\$118.80
995		\$132.00
1095		\$145.20
1195		\$158.40

Page 13 **Standard Shower Screens C Cut Outs**



HINGE PANELS

180-\$23.80	250-\$33.00	315-\$41.60	380-\$50.20
185-\$24.50	255-\$33.70	320-\$42.50	385-\$51.00
195-\$25.80	260-\$34.50	325-\$42.90	390-\$51.50
200-\$26.40	265-\$35.00	330-\$43.55	395-\$52.15
205-\$27.10	270-\$35.65	335-\$44.30	400-\$52.80
210-\$27.75	275-\$36.30	340-\$45.00	450-\$59.40
215-\$28.40	280-\$37.00	345-\$45.60	500-\$66.00
220-\$29.50	285-\$37.65	350-\$46.20	600-\$79.20
225-\$29.70	290-\$38.30	355-\$46.90	
230-\$30.40	295-\$39.00	360-\$47.55	
235-\$31.05	300-\$40.00	365-\$48.20	
240-\$31.80	305-\$40.30	370-\$48.85	
245-\$32.35	310-\$41.00	375-\$49.50	

DOORS

600	\$	86.00
610	\$	87.00
620	\$	88.00
630	\$	89.00
640	\$	90.00
650	\$	92.40

RETURN PANEL

600-\$79.50	860-\$113.60	920-\$121.50	980-\$129.40	1040-\$137.40	1100-\$145.20
650-\$86.00	865-\$114.20	925-\$121.10	985-\$130.10	1045-\$138.10	1150-\$151.80
700-\$92.50	870-\$115.00	930-\$122.80	990-\$130.80	1050-\$139.00	1200-\$158.40
750-\$99.00	875-\$115.50	935-\$123.50	995-\$131.50	1055-\$139.70	
800-\$105.60	880-\$116.20	940-\$124.10	1000-\$132.00	1060-\$140.40	
825-\$108.90	885-\$116.90	945-\$124.80	1005-\$132.70	1065-\$141.10	
830-\$109.60	890-\$117.50	950-\$125.40	1010-\$133.40	1070-\$141.80	
835-\$110.30	895-\$118.20	955-\$126.10	1015-\$134.10	1075-\$142.50	
840-\$111.00	900-\$118.80	960-\$126.80	1020-\$134.80	1080-\$143.20	
845-\$111.60	905-\$119.50	965-\$127.40	1025-\$135.30	1085-\$143.90	
850-\$112.20	910-\$120.20	970-\$128.10	1030-\$136.00	1090-\$144.60	
855-\$113.00	915-\$120.80	975-\$128.70	1035-\$136.70	1095-\$144.90	

Fittings

Spigots	2205 Duplex	Spigots with Holes in Glass Available		Satin & Polished	
				Square	\$66.00+gst
				Round	\$66.00+gst
				incl Covers	

Side Mount		FRICTION		Holes in Glass	\$75.00+gst
				FRICTION	\$73.50+GST

Heavy Duty -supplied with 16mm threaded Rod

			Square	\$85.00+gst
			Round	\$85.00+gst

Core Drill 3 speed With Clutch



\$385.00+gst

Drill Bit 76 mm



\$77.00+gst

Drill Bit Extension



\$49.50+gst

Pool Panels	Code	Wide (mm)	Height (mm)	Area (sqm)	Price Each +gst
PAGE 15	PG12-100	100	1170	0.12	\$ 9.00
	PG12-150	150	1170	0.18	\$ 10.00
	PG12-200	200	1170	0.23	\$ 12.87
	PG12-250	250	1170	0.29	\$ 16.10
	PG12-300	300	1170	0.35	\$ 19.31
	PG12-350	350	1170	0.41	\$ 22.55
	PG12-400	400	1170	0.47	\$ 25.74
	PG12-450	450	1170	0.53	\$ 29.15
	PG12-500	500	1170	0.59	\$ 32.18
	PG2-550	500	1170	0.64	\$ 35.20
	PG12-600	600	1170	0.70	\$ 38.61
	PG12-650	650	1170	0.76	\$ 41.83
	PG12-700	700	1170	0.82	\$ 45.05
	PG12-750	750	1170	0.88	\$ 48.26
	PG12-800	800	1170	0.94	\$ 51.70
	PG12-850	850	1170	0.99	\$ 54.45
	PG12-900	900	1170	1.05	\$ 57.75
	PG12-950	950	1170	1.11	\$ 61.05
	PG12-1000	1000	1170	1.17	\$ 64.35
	PG12-1050	1050	1170	1.23	\$ 67.65
	PG12-1100	1100	1170	1.29	\$ 70.95
	PG12-1150	1150	1170	1.35	\$ 74.25
	PG12-1200	1200	1170	1.4	\$ 77.00
	PG12-1250	1250	1170	1.46	\$ 80.30
	PG12-1300	1300	1170	1.52	\$ 83.60
	PG12-1350	1350	1170	1.58	\$ 86.90
	PG12-1400	1400	1170	1.64	\$ 90.20
	PG12-1450	1450	1170	1.7	\$ 93.50
	PG12-1500	1500	1170	1.76	\$ 96.80
	PG12-1550	1550	1170	1.81	\$ 99.55
	PG12-1600	1600	1170	1.87	\$ 102.85
	PG12-1650	1650	1170	1.93	\$ 106.15
	PG12-1700	1700	1170	1.99	\$ 109.45
	PG12-1750	1750	1170	2.05	\$ 112.75
	PG12-1800	1800	1170	2.11	\$ 116.05
	PG12-1850	1850	1170	2.16	\$ 118.80
	PG12-1900	1900	1170	2.22	\$ 122.10
	PG12-1950	1950	1170	2.28	\$ 125.40
	PG12-2000	2000	1170	2.34	\$ 128.70

Pool Panels Hinge Panels & Gates

Page 16

<u>Code</u>	<u>12mm Hinge Panel Polaris- Spring Hinge</u>			
PGH12-800	800	1170	0.93	\$ 63.00
PGH12-900	900	1170	1.05	\$ 65.00
PGH12-1000	1000	1170	1.17	\$ 70.95
PGH12-1100	1100	1170	1.32	\$ 70.95
PGH12-1200	1200	1170	1.41	\$ 84.60
PGH12-1300	1300	1170	1.56	\$ 94.00
PGH12-1400	1400	1170	1.64	\$ 101.00
PGH12-1500	1500	1170	1.8	\$ 103.00
PGH12-1600	1600	1170	1.87	\$ 114.00
PGH12-1700	1700	1170	2.04	\$ 123.00
PGH12-1800	1800	1170	2.16	\$ 127.40
PGH12-1900	1900	1170	2.28	\$ 136.80
PGH12-2000	2000	1170	2.4	\$ 144.00
<u>12MM Polaris Hinge Gate Panel</u>				
PGHG12-850	800	1170	1.05	\$ 61.00
PGHG12-850	850	1170	1.05	\$ 64.00
PGHG12-900	900	1170	1.05	\$ 68.90
<u>10mm Spring Hinge Gate Panel</u>				
PGSG8-800	800	1170	0.93	\$ 61.00
PGHG8-900	900	1170	1.05	\$ 68.00

Polaris Hinges

Glass to wall

T & L shape

& Round Post

Hydraulic Hinges



Glass to Wall \$420.00 + gst

Polished & Satin



120 Series

130 Series

Glass to Glass

\$420.00 + gst

SOFT CLOSE

\$380.00 + gst



Heavy Duty Spring

Heavy Duty Spring

Glass to glass

Glass to Wall

\$165.00+gst

\$165.00+gst

Page 17	Spring Hinge	Code	Polished & Satin
	SHGGM	Glass to Glass	\$60.50+gst
	SHGRM	Glass to Round Post	\$60.50+gst
	SGGSQM	Glass to Square Post	\$60.50+gst
			\$60.50+gst
Latches			Polished & Satin
	GLGGM	Glass to Glass	\$82.50+gst
		Available Fully Stainless	\$105.00+gst
	GLGWM	Glass to Wall	\$82.50+gst
		Available Fully Stainless	\$105.00+gst
	GLOM	Glass to External	\$82.50+gst
	GLIM	Glass to Internal	\$82.50+gst
	GLRDM	Glass to Round Post	\$82.50+gst
	PL2	Glass to Glass	\$132.00+gst
	PL1	Glass to Wall	\$132.00+gst
	PL2-90	ass to Glass 90°	\$225.50+gst
Link Patches			
		LP90M	\$27.50+gst
		LP180M	\$27.50+gst

Balustrade panels

	Wide (mm)	Height (mm)	Area (sqm)	Price Each
BG12-100	100	970	0.1	\$ 8.50
BG12-150	150	970	0.15	\$ 9.00
BG12-200	200	970	0.19	\$ 10.67
BG12-250	250	970	0.24	\$ 13.34
BG12-300	300	970	0.29	\$ 16.01
BG12-350	350	970	0.34	\$ 18.70
BG12-400	400	970	0.38	\$ 20.90
BG12-450	450	970	0.44	\$ 24.20
BG12-500	500	970	0.48	\$ 26.40
BG12-550	550	970	0.53	\$ 29.34
BG12-600	600	970	0.58	\$ 31.90
BG12-650	650	970	0.63	\$ 34.68
BG12-700	700	970	0.67	\$ 36.85
BG12-750	750	970	0.73	\$ 40.01
BG12-800	800	970	0.77	\$ 42.35
BG12-850	850	970	0.82	\$ 45.10
BG12-900	900	970	0.87	\$ 47.85
BG12-950	950	970	0.92	\$ 50.60
BG12-1000	1000	970	0.97	\$ 53.35
BG12-1050	1050	970	1.01	\$ 55.55
BG12-1100	1100	970	1.06	\$ 58.30
BG12-1150	1150	970	1.11	\$ 61.05
BG12-1200	1200	970	1.16	\$ 63.80
BG12-1250	1250	970	1.21	\$ 66.55
BG12-1300	1300	970	1.26	\$ 69.30
BG12-1350	1350	970	1.3	\$ 71.50
BG12-1400	1400	970	1.36	\$ 74.80
BG12-1450	1450	970	1.4	\$ 77.00
BG12-1500	1500	970	1.45	\$ 79.75
BG12-1550	1550	970	1.5	\$ 82.50
BG12-1600	1600	970	1.55	\$ 85.25
BG12-1650	1650	970	1.6	\$ 88.00
BG12-1700	1700	970	1.65	\$ 90.75
BG12-1750	1750	970	1.7	\$ 93.50
BG12-1800	1800	970	1.75	\$ 96.25
BG12-1850	1850	970	1.85	\$ 98.80
BG12-1900	1900	970	1.9	\$ 101.60
BG12-1950	1950	970	1.95	\$ 104.10
BG12-2000	2000	970	2	\$ 106.70

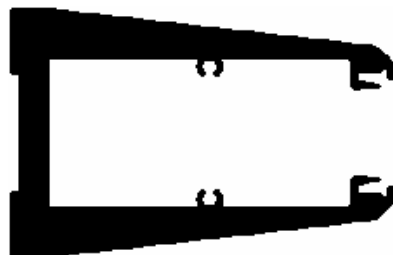
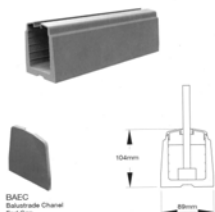
Balustrade panels

Balustrade Panels with 2 Holes

Price Each

BGHG12-600	600	970	0.58	\$ 38.28
BGHG12-650	650	970	0.63	\$ 41.61
BGHG12-700	700	970	0.68	\$ 44.88
BGHG12-750	750	970	0.73	\$ 48.02
BGHG12-800	800	970	0.78	\$ 51.48
BGHG12-850	850	970	0.82	\$ 54.12
BGHG12-900	900	970	0.87	\$ 57.42
BGHG12-950	950	970	0.92	\$ 60.72
BGHG12-1000	1000	970	0.97	\$ 64.02
BGHG12-1050	1050	970	1.02	\$ 67.32
BGHG12-1100	1100	970	1.07	\$ 70.62
BGHG12-1150	1150	970	1.12	\$ 73.92
BGHG12-1200	1200	970	1.16	\$ 76.56
BGHG12-1250	1250	970	1.21	\$ 79.86
BGHG12-1300	1300	970	1.26	\$ 83.16
BGHG12-1350	1350	970	1.31	\$ 86.46
BGHG12-1400	1400	970	1.36	\$ 89.76
BGHG12-1450	1450	970	1.41	\$ 93.06
BGHG12-1500	1500	970	1.46	\$ 96.36
BGHG12-1550	1550	970	1.5	\$ 99.00
BGHG12-1600	1600	970	1.55	\$ 102.30
BGHG12-1650	1650	970	1.6	\$ 105.60
BGHG12-1700	1700	970	1.65	\$ 108.90
BGHG12-1750	1750	970	1.7	\$ 112.20
BGHG12-1800	1800	970	1.75	\$ 115.50

Balustrade Channel



6.00 meter

\$450.00+gst

Endcaps

\$16.80+gst

Balustrade Panels with 4 / 6 Holes**Price Each**

BGHG12-600	600	1280	0.77	\$ 50.69	4 Holes
BGHG12-650	650	1280	0.83	\$ 54.91	4 Holes
BGHG12-700	700	1280	0.90	\$ 59.14	4 Holes
BGHG12-750	750	1280	0.96	\$ 63.36	4 Holes
BGHG12-800	800	1280	1.02	\$ 67.58	4 Holes
BGHG12-850	850	1280	1.09	\$ 71.81	4 Holes
BGHG12-900	900	1280	1.15	\$ 76.03	4 Holes
BGHG12-950	950	1280	1.22	\$ 80.25	4 Holes
BGHG12-1000	1000	1280	1.28	\$ 84.48	4 Holes
BGHG12-1050	1050	1280	1.34	\$ 88.70	4 Holes
BGHG12-1100	1100	1280	1.41	\$ 92.93	4 Holes
BGHG12-1150	1150	1280	1.47	\$ 97.15	4 Holes
BGHG12-1200	1200	1280	1.54	\$ 101.38	4 Holes
BGHG12-1250	1250	1280	1.60	\$ 105.60	4 Holes
BGHG12-1300	1300	1280	1.66	\$ 109.82	4 Holes
BGHG12-1350	1350	1280	1.73	\$ 114.05	4 Holes
BGHG12-1400	1400	1280	1.79	\$ 118.27	4 Holes
BGHG12-1450	1450	1280	1.86	\$ 122.50	4 Holes
BGHG12-1500	1500	1280	1.92	\$ 126.72	6 Holes
BGHG12-1550	1550	1280	1.98	\$ 130.94	6 Holes
BGHG12-1600	1600	1280	2.05	\$ 135.17	6 Holes
BGHG12-1650	1650	1280	2.11	\$ 139.39	6 Holes
BGHG12-1700	1700	1280	2.18	\$ 143.62	6 Holes
BGHG12-1750	1750	1280	2.24	\$ 147.84	6 Holes
BGHG12-1800	1800	1280	2.30	\$ 152.06	6 Holes

Top Rail**50x10****Mirror and Satin****6 meter Lengths**

\$110.00+gst

**End Caps**

\$13.20+gst

Wall Brackets

\$17.60+gst

**180° Joiner**

\$15.00+gst

90° Joiner

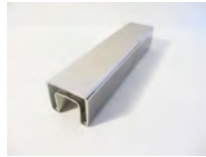
\$15.00+gst

**Up/Down & Side to Side Joiner**

\$20.50+gst

THRU - Glass Bracket

\$27.50+gst

Top Rails

Top Rail
25mm Diam
25mmx21mm

\$143.00+gst

Polished & Satin 6 meter



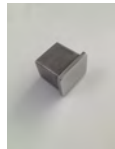
\$17.60+gst

Wall Bracket

90°

180

3 Way



End Caps

\$13.20+gst



Joiners
Side /Side
Up/Down

\$17.60+gst



Top Rail 38mm Diam

Polished & Satin 6 meter



38mm Diam Tube
50mm Diam Tube

\$154.00+gst

\$174+GST

Polished & Satin 6 meter



50x50mm Square Tube
Polished & Satin 6 meter

\$154.00+gst



50x20 Square Tube

\$225.00+GST



End Caps

\$15.40+gst

Balustrade Clamps



D Shape
Square Shape
Flat Back
Curved Back

\$14.50+gst



handrail Brackets

Polished & Satin

38mm Diam \$14.00 +gst
50mm Diam \$16.50 +gst



Handrail Bracket
To Wall

\$16.50+gst



Saddles
Curved & Flat




\$\$4.40+gst



Small Spiders
Handrail

P.O.A

**Spacers**

		<u>19mm Diam</u>	10	\$9.00+gst
			20	\$9.70+gst
			Polished	\$10.45+gst
			Satin	\$11.60+gst
			50	\$12.80+gst
Polished Satin		<u>25mm Diam</u>	10	\$10.60+gst
			20	\$11.90+gst
			30	\$12.80+gst
			40	\$14.60+gst
			50	\$15.70+gst
		<u>32mm Diam</u>	10	\$14.60+gst
			Spacers	\$15.40+gst
			30	\$16.50+gst
			40	\$17.60+gst
			50	\$18.70+gst
Polished Satin		<u>38mm Diam</u>	5	\$14.60+gst
			10	\$15.40+gst
			Spacers	\$16.50+gst
			30	\$17.60+gst
			40	\$18.70+gst
		<u>50mm Diam</u>	50	\$19.80+gst
			5	\$16.50+gst
			10	\$17.60+gst
			Spacers	\$18.70+gst
			30	\$19.80+gst
			40	\$23.10+gst
			50	\$24.20+gst
	Adjustable Standoff	50mm Diam 30-45 range		\$24.50+gst
		Lag Screws 50/80/120 mm		\$3.60+gst
				\$3.60+gst
		Adjustable Grips Made in Japan		\$115.50+gst