

INSTALLATION DETAIL	C2 - C4
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MORITZ SELF-CLOSING PATCH	C7
PATCH FITTINGS	C8 - C11
DIGILOCK	C12
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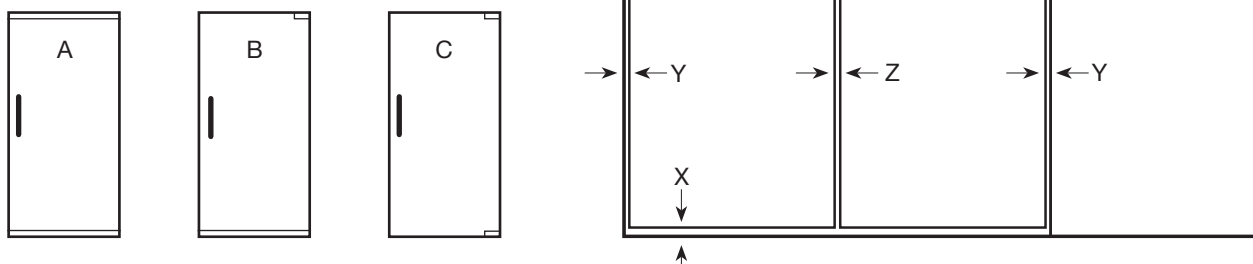
## INSTALLATION DIMENSIONS

Dimensions:

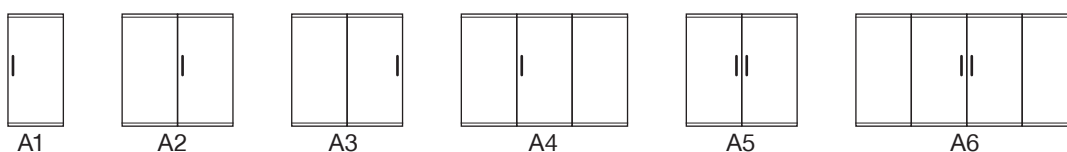
X = 7mm

Y = 3mm

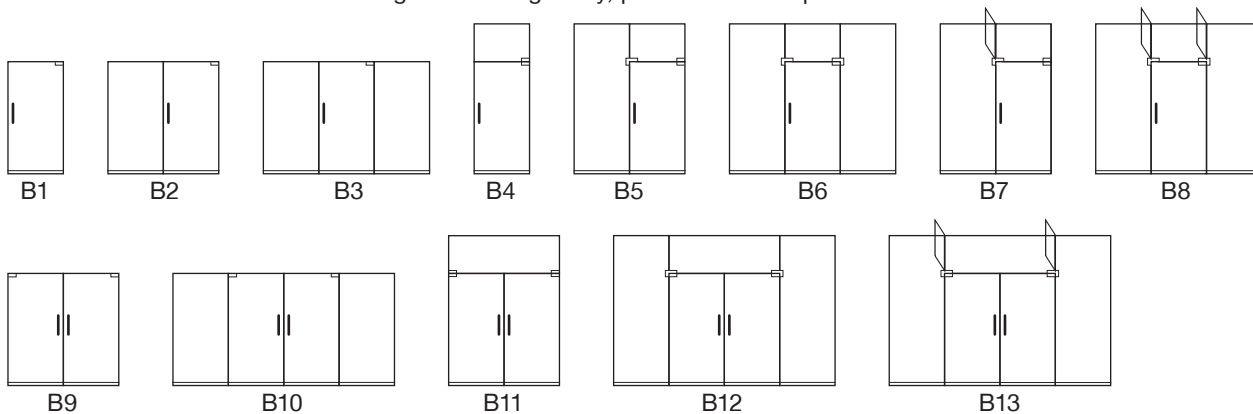
Z = 4mm



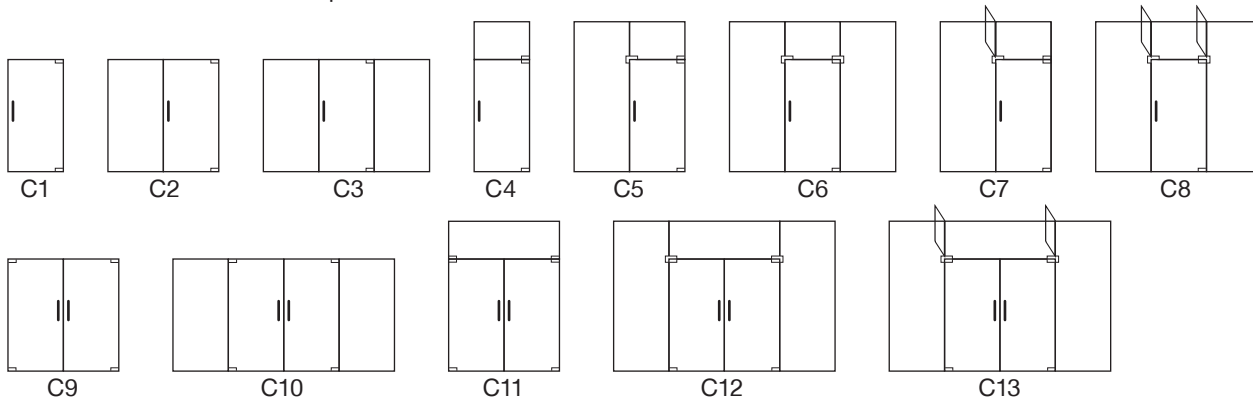
**TYPE A** - Full width rails fitted along top and bottom edges



**TYPE B** - Full width rails fitted along bottom edge only, patch fitted at top corner



**TYPE C** - Patches fitted at top and bottom corners



## GLASS

All glass used in frameless glass door assemblies must be approved toughened float safety glass.

## DOORS

Recommended maximum sizes:

		Max width (mm)	Internal	Max door height (mm - overall)			
				External			
				Wind zone			
				Low	Med	High	Very high
10mm	patch	1000	2400	2200	2000	1800	N/A
	rail	1100	2570	2370	2170	1970	
12mm	patch	1100	2800	2600	2400	2200	2000
	rail	1200	2970	2770	2570	2370	2170
15mm	rail	1300	3600	3400	3200	2800	2400
19mm	rail	Specific design required					

## LOCKING

Rails and Patch Fittings are supplied with a Lockwood 590 series lock which enables the doors to be part of a similar master key system if so required, and is available in the following combinations:

- key lock both sides
- key lock one side only
- key lock one side, turn knob on other side

## SIDE PANELS

Maximum available toughened size available from New Zealand manufacture for 10 or 12 mm glass thickness is 4.5m x 2.44m

## FINS

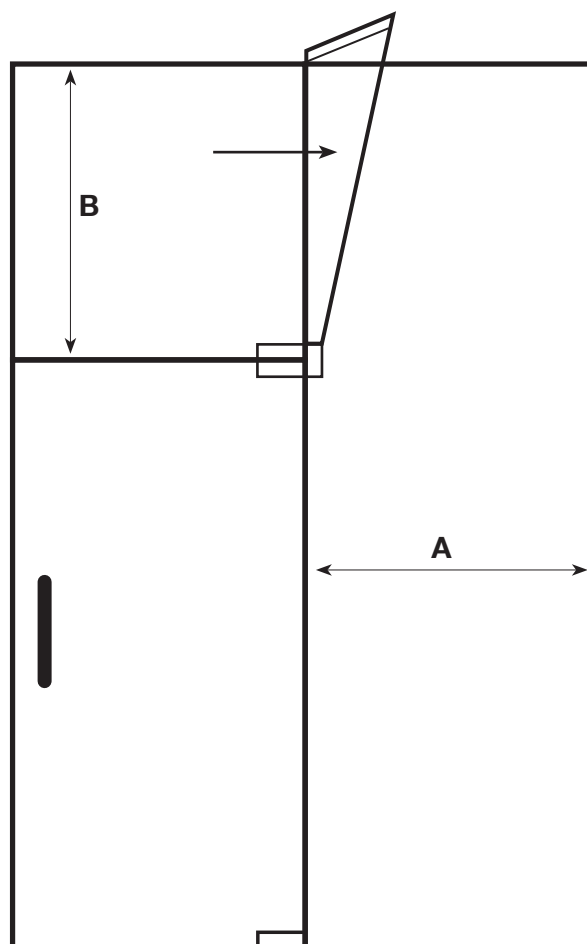
Stabilising fins are necessary to cope with loads imposed on a door assembly by the action of the door and external wind loads. The fins must be securely fixed to a rigid structure at the top of the assembly.

### 10mm glass

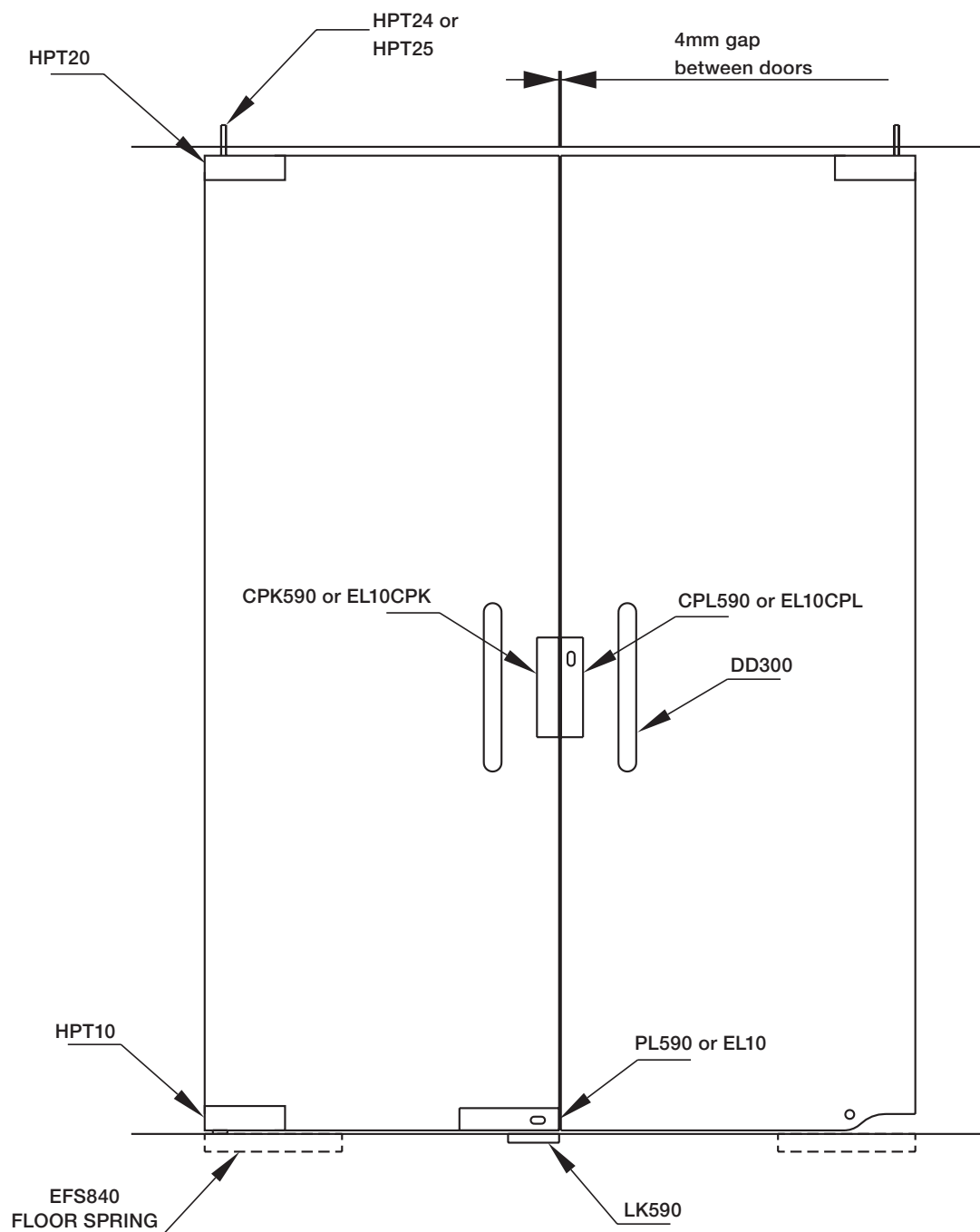
When the width of the side panel A plus the height of the over panel B exceeds a total of 1.2m, a fin is required, but not necessary if A or B are less than 400mm.

### 12mm glass

When the width of the side panel A plus the height of the over panel B exceeds a total of 1.5m, a fin is required, but not necessary if A or B are less than 500mm.



**TYPICAL DOOR APPLICATION:**



## EFS840 Euroglass floor spring

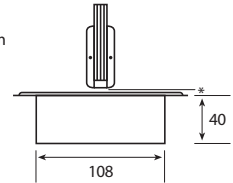
### AVAILABLE FINISHES

- Stainless steel (cover plate)

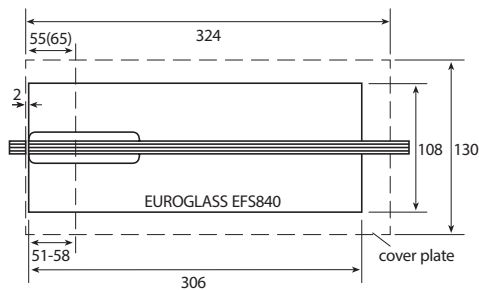
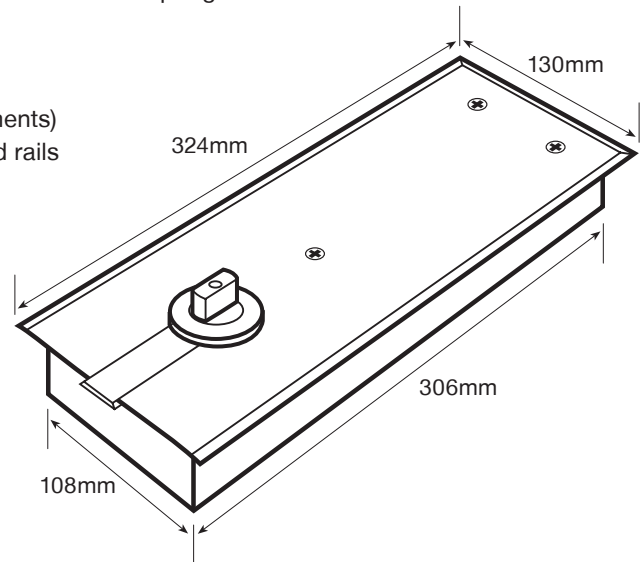
### TECHNICAL DETAILS

- Double action floorspring including stainless steel cover plate
- 2 spring strengths; 16Nm (weak), 25Nm (standard)
- Maximum door weight 100kg
- Maximum door width 1100mm on standard spring and 800mm on weak spring
- Available 90° in hold open, and non-hold open
- 2 speed hydraulic control; closing adjustment 130°-15°  
latching adjustment 15°-0°
- Spindle heights from STD to 50mm extension (5mm increments)
- Suitable for use with Euroglass frameless patch fittings and rails
- Warranty 5years or 500,000 cycles (whichever first)

\* S.T.D. Spindle Clearance 8mm  
\* 5mm Extended Clearance 13mm



EUROGLASS  
EFS840

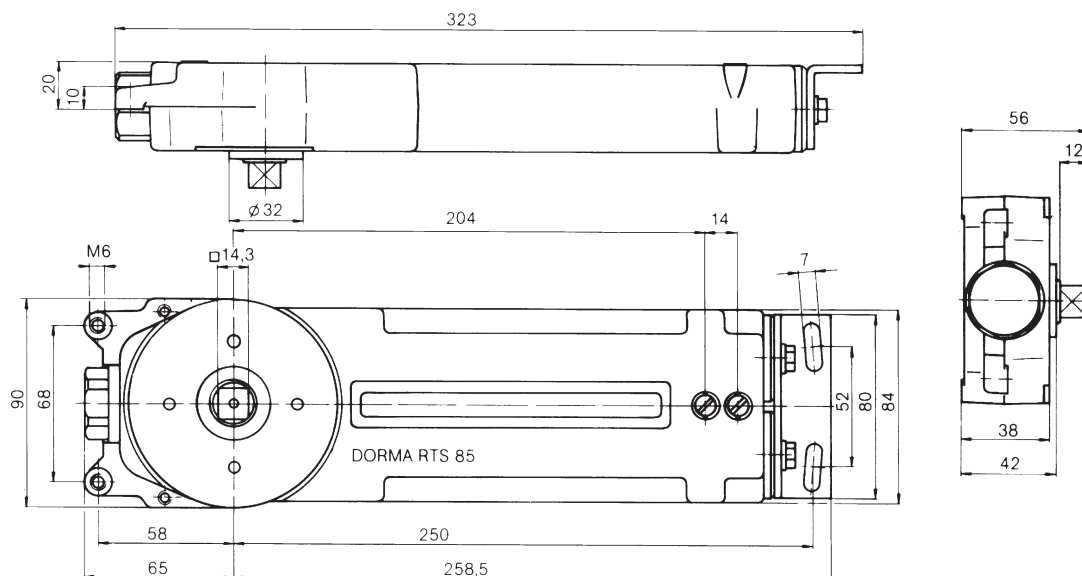
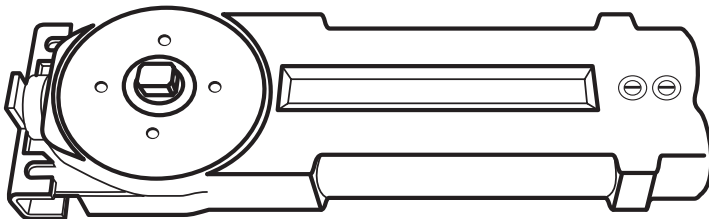


### OVERHEAD DOOR CLOSER

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

### OPTIONS

- Non hold open

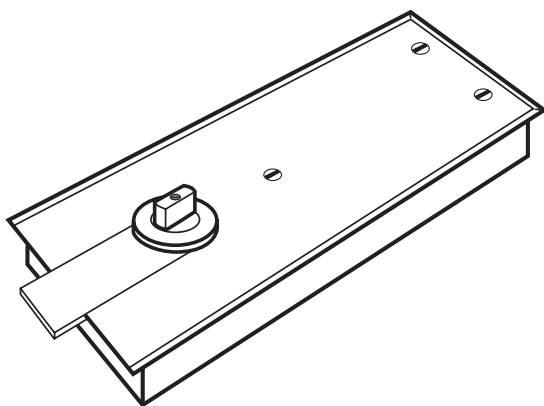


## FLOOR SPRINGS



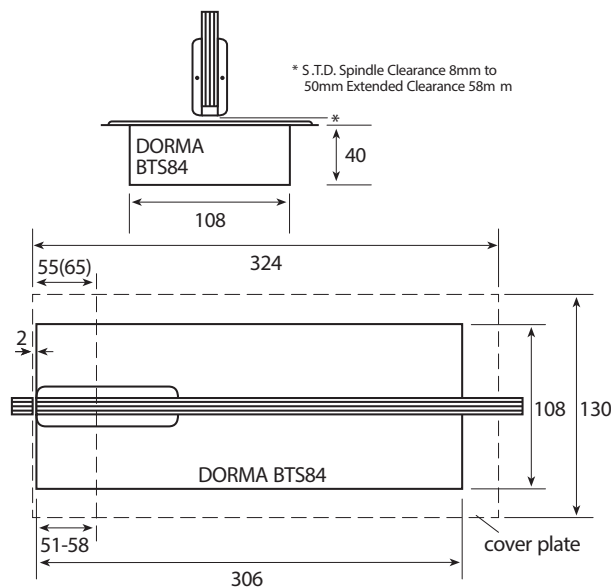
### STANDARD FLOOR SPRING

- 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



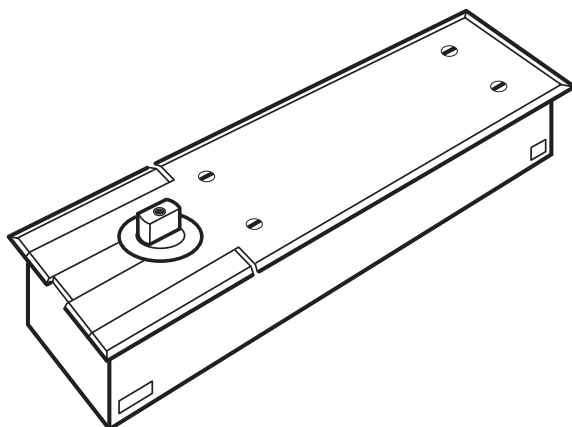
### OPTIONS

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



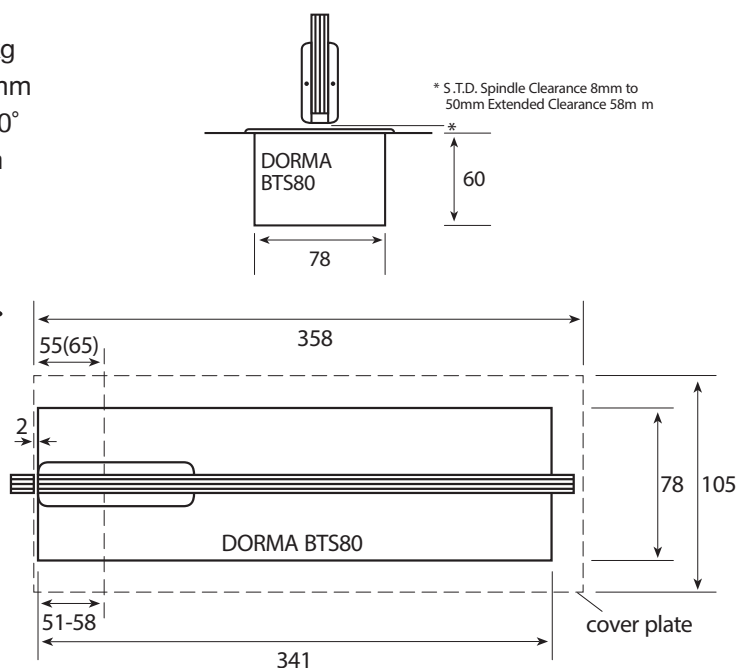
### HEAVY DUTY FLOOR SPRING

- 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



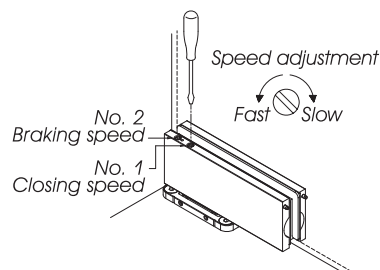
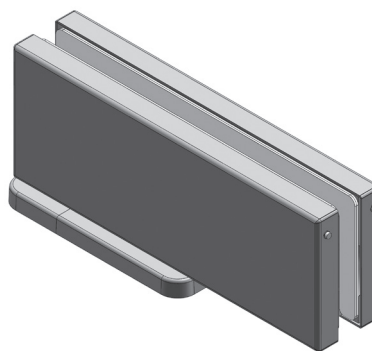
**EPCHO** Moritz self-closing patch, hold open  
**EPCNHO** Moritz self-closing patch, non-hold open

**AVAILABLE FINISHES**

- Polished stainless steel
- Satin stainless steel
- Selected powdercoat (lead time applies)

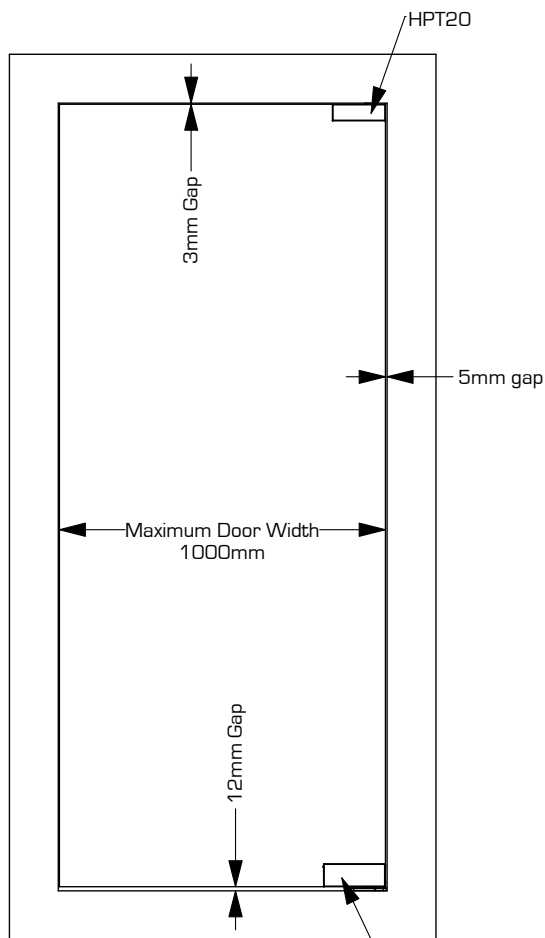
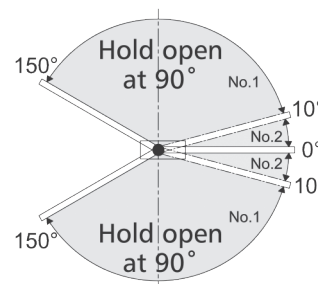
**TECHNICAL DETAILS**

Can be mounted to timber, steel or concrete  
 Suits 8mm, 10mm or 12mm toughened safety glass  
 Includes base pivot plate  
 Hold or non-hold open options  
 Applicable for door width of 750mm to 1000mm and weight up to 100kg  
 Bottom patch fitting for internal doors  
 Used in conjunction with a standard top patch fitting and floor stop  
 Multiple adjustments and settings for closing and breaking speed  
 Suitable for single or double doors  
 Residential and commercial internal use only  
 5 year Warranty

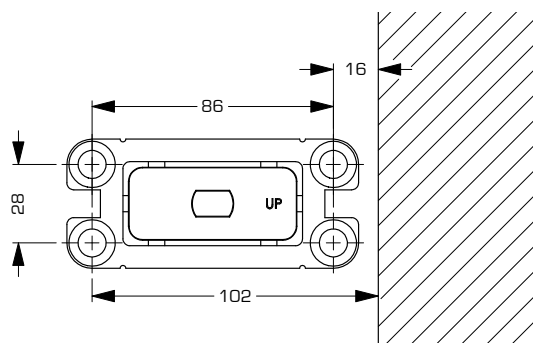


Max. opening angle 150°  
 Hold open at 90°  
 Non-hold open, by request

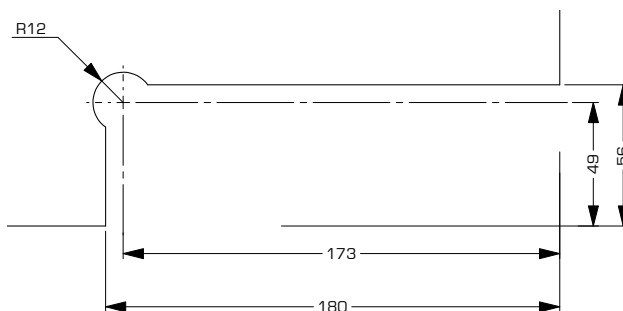
Two speed adjustment:  
 Closing speed (150° down to 10°)  
 Breaking speed (10° down to 0°)



**Recommended door gaps**



**Base plate hole locations**



**Glass detail**

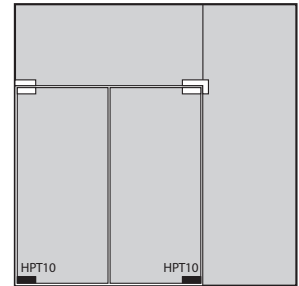
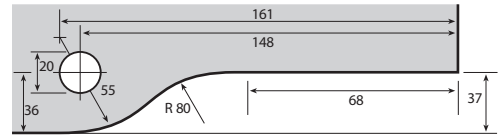
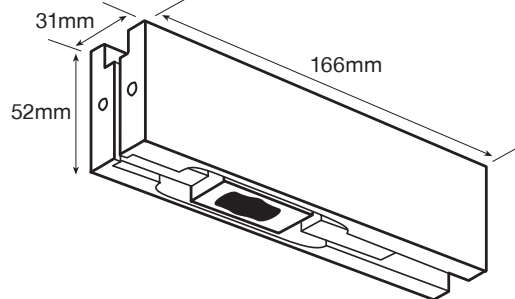
### HPT10 Bottom patch fitting

#### AVAILABLE FINISHES

- Polished stainless steel
- Satin stainless steel
- Selected powdercoat (lead time applies)

#### TECHNICAL DETAILS

Bottom patch fitting  
Suitable for Euroglass floorspring range and HPT26 free swing pivot  
Suits 10mm or 12mm glass  
Adjustable pivot insert  
Factory set at 55mm



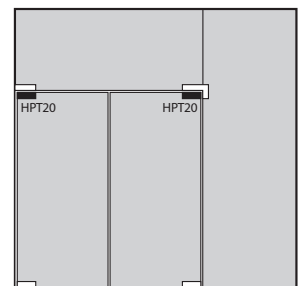
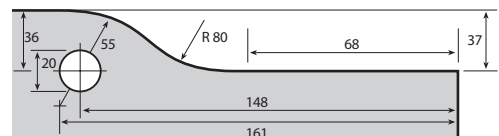
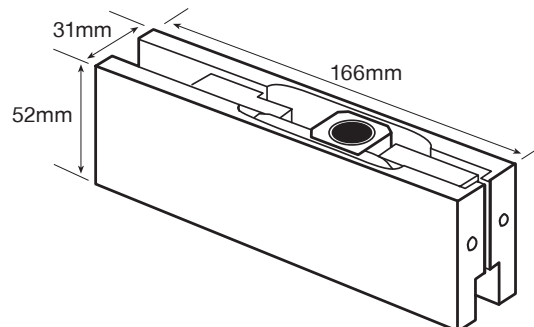
### HPT20 Top patch fitting

#### AVAILABLE FINISHES

- Polished stainless steel
- Satin stainless steel
- Selected powdercoat (lead time applies)

#### TECHNICAL DETAILS

Top patch fitting  
Suitable for Euroglass HPT24, HPT25, HPT34, HPT40 and HPT41 pivots  
Suits 10mm or 12mm glass  
Adjustable pivot insert  
Factory set at 55mm



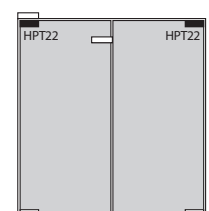
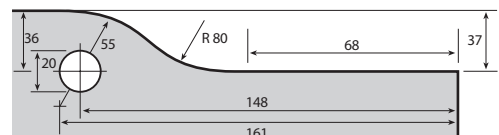
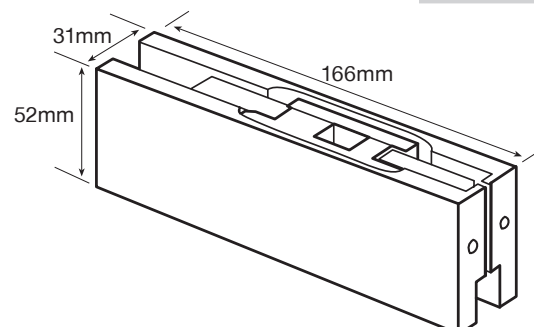
### HPT22 Top patch fitting

#### AVAILABLE FINISHES

- Polished stainless steel
- Satin stainless steel
- Selected powdercoat (lead time applies)

#### TECHNICAL DETAILS

Top patch fitting  
Suitable for RTS85 overhead closer  
Suits 10mm or 12mm glass  
Adjustable pivot insert  
Factory set at 55mm  
Reversible to 65mm



### HPT24/HPT25 Top pivot pins

#### AVAILABLE FINISHES

- Stainless steel for HPT24
- Plated steel for HPT25

#### TECHNICAL DETAILS (HPT24)

Plate mounted pin

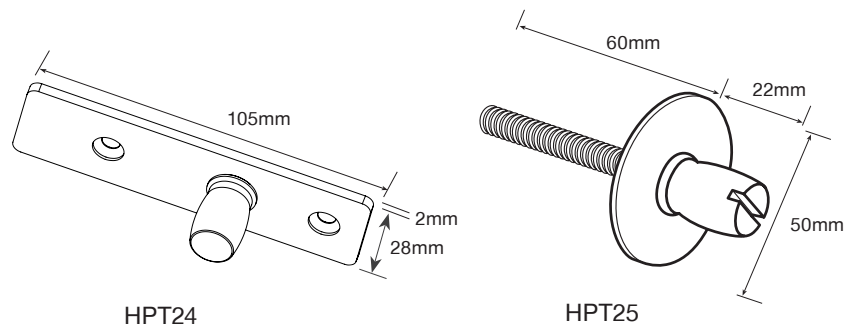
Suitable for use with HPT20 patch and RL2 and RL4 top rails

#### TECHNICAL DETAILS (HPT25)

8mm metric thread

44mm diameter face washer

Suitable for use with HPT20 patch and RL2 and RL4 top rails



HPT24

HPT25

### HPT26/HPT26 EXT5 Floor pivot bearings

#### AVAILABLE FINISHES

- Polished stainless steel coverplate
- Satin stainless steel coverplate

#### TECHNICAL DETAILS

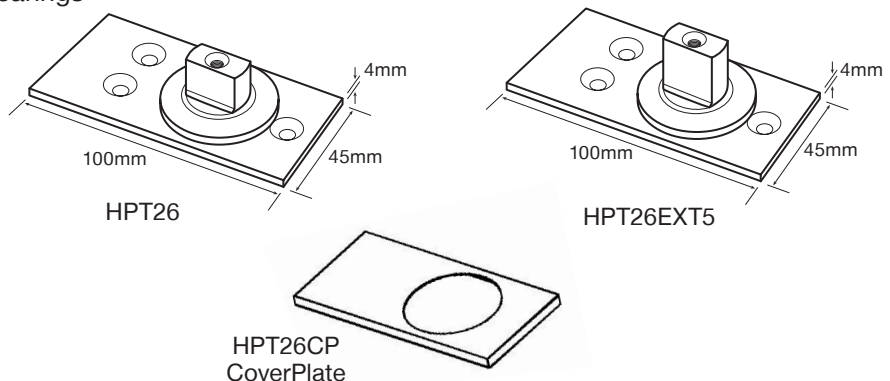
Free swing floor pivot

Suitable for use with HPT10

and RL1 and RL3 bottom rails

#### SPECIALS

Available with 5mm extended spindle (HPT26EXT5)



HPT26

HPT26EXT5

HPT26CP  
CoverPlate

### HPT28/HPT28D Head stops

#### AVAILABLE FINISHES

- Polished stainless steel
- Satin stainless steel

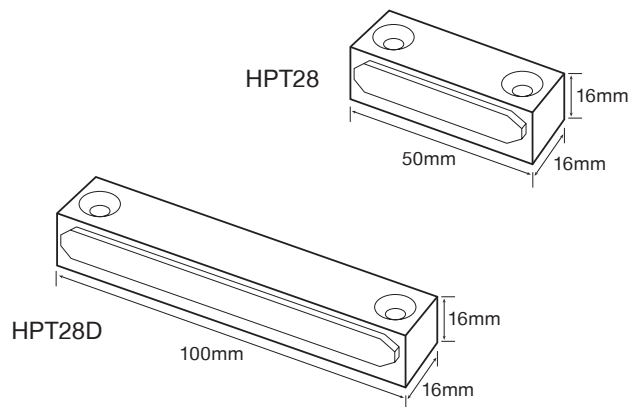
#### TECHNICAL DETAILS

Rubber infill stop

Available for single or double door installations

Specify HPT28S for single door

or HPT28D for double door



HPT28

HPT28D

### HPT30/34 Overpanel pivot patch fitting

#### AVAILABLE FINISHES

- Polished stainless steel
- Satin stainless steel
- Selected powdercoat (lead time applies)

#### TECHNICAL DETAILS

Fixing overpanel to wall fitted with pivot pin

Suitable for use with HPT20

Suits 10mm & 12mm glass

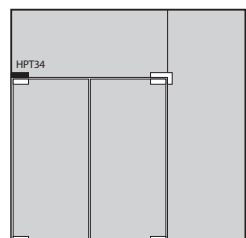
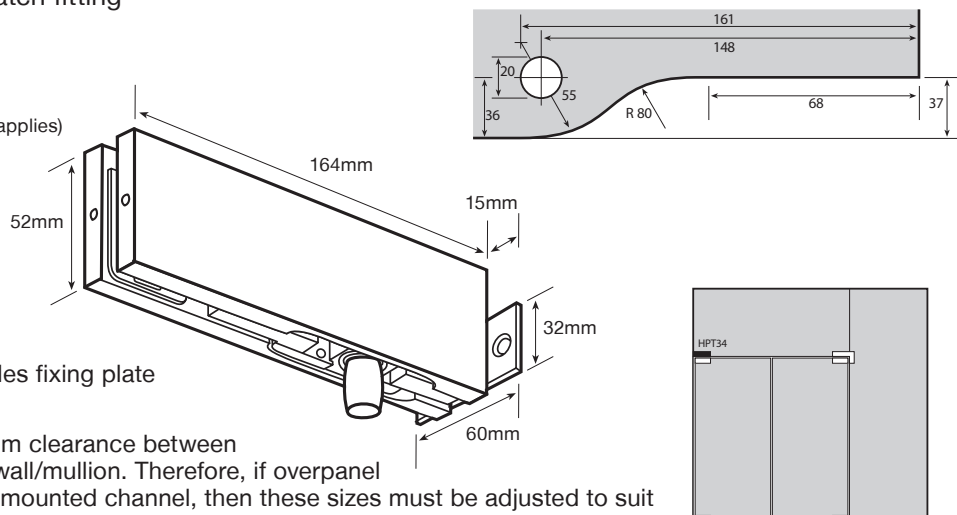
Adjustable pivot insert

Factory set at 55mm

HPT30 patch only; HPT34 includes fixing plate

#### \* SPECIAL NOTE

These sizes are based on a 3mm clearance between the overpanel and the vertical wall/mullion. Therefore, if overpanel is to fix into a recessed or wall mounted channel, then these sizes must be adjusted to suit



### HPT40 Overpanel to side panel pivot patch fitting

#### AVAILABLE FINISHES

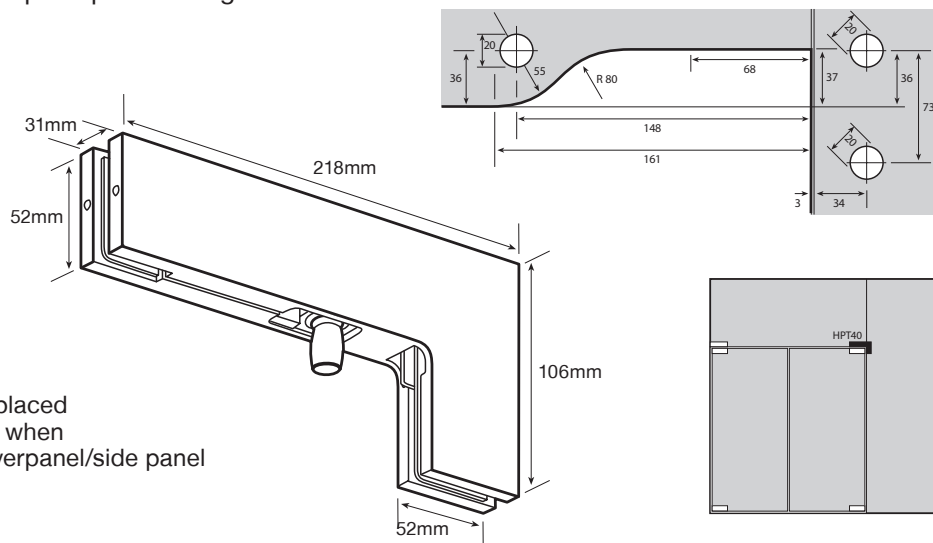
- Polished stainless steel
- Satin stainless steel
- Selected powdercoat  
(lead time applies)

#### TECHNICAL DETAILS

Fixing with pivot pin  
Adjustable pivot insert  
Suitable for use with HPT20  
& with 10mm or 12mm glass

#### SPECIALS

Pivot pin can be removed and replaced  
with a stop for single action door when  
this patch fitting is used for an overpanel/side panel



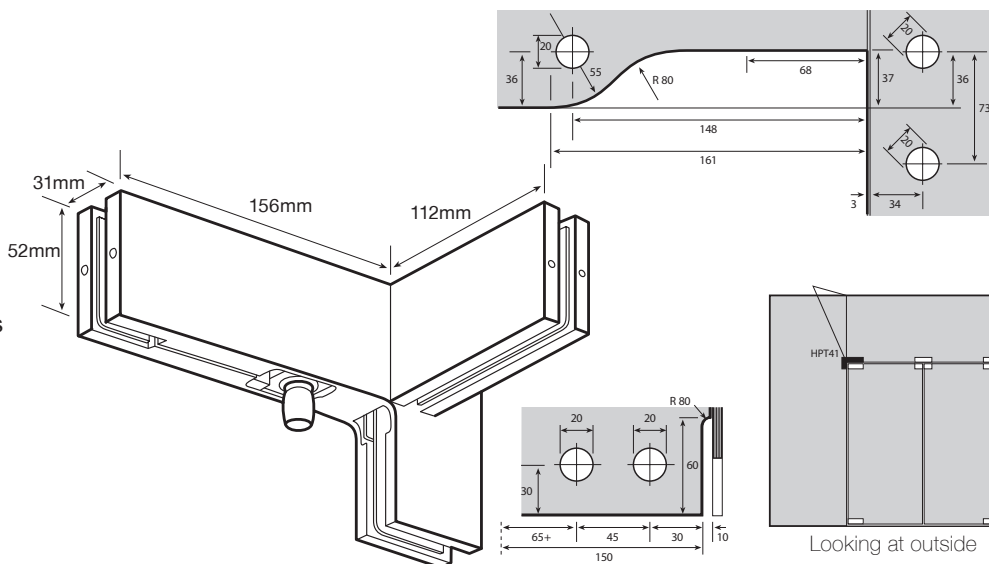
### HPT41L Left hand overpanel to side panel pivot patch fitting including fin fitting

#### AVAILABLE FINISHES

- Polished stainless steel
- Satin stainless steel
- Selected powdercoat  
(lead time applies)

#### TECHNICAL DETAILS

Patch fitting for overpanel  
to side panel with fin at 90°  
Suitable for use with HPT20  
& with 10mm or 12mm glass  
Adjustable pivot insert



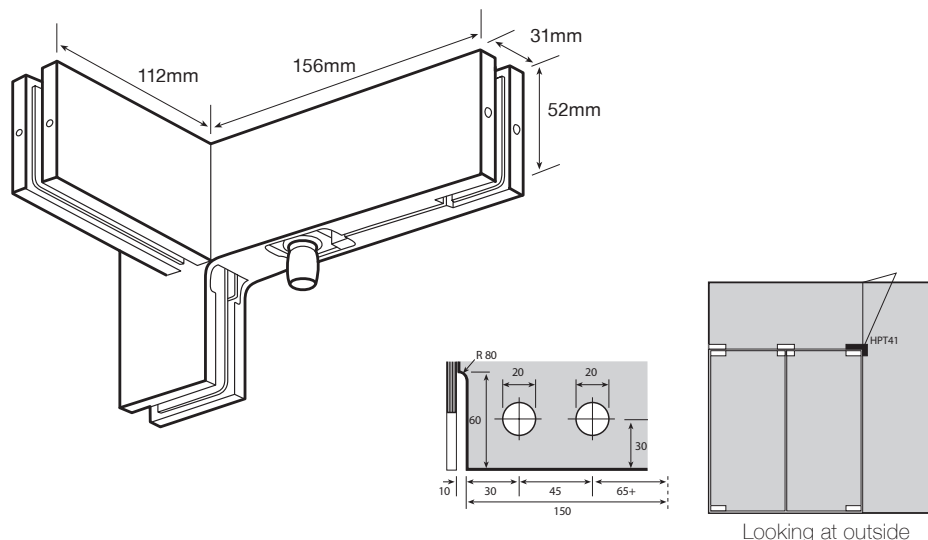
### HPT41R Right hand overpanel to side panel pivot patch fitting including fin fitting

#### AVAILABLE FINISHES

- Polished stainless steel
- Satin stainless steel
- Selected powdercoat  
(lead time applies)

#### TECHNICAL DETAILS

Patch fitting for overpanel  
to side panel with fin at 90°  
Suitable for use with HPT20  
& with 10mm or 12mm glass  
Adjustable pivot insert



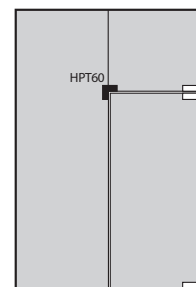
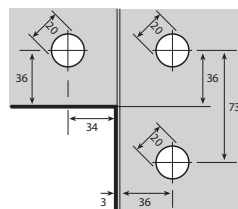
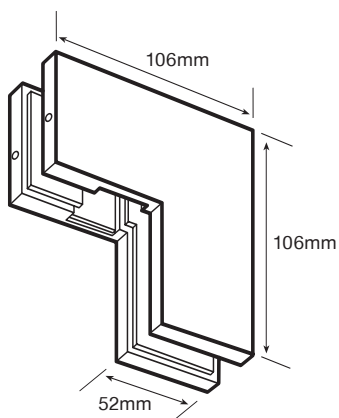
**HPT60** Overpanel to side panel patch fitting

**AVAILABLE FINISHES**

- Polished stainless steel
- Satin stainless steel
- Selected powdercoat  
(lead time applies)

**TECHNICAL DETAILS**

Suits 10mm & 12mm glass



**HPT61** Overpanel to side panel patch fitting

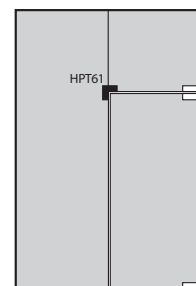
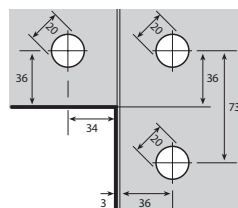
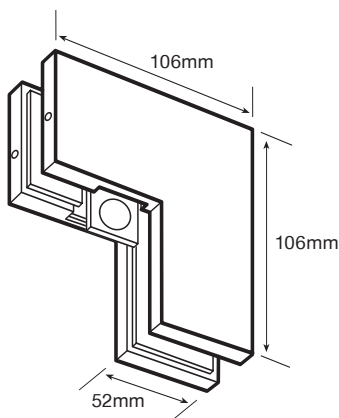
**AVAILABLE FINISHES**

- Polished stainless steel
- Satin stainless steel
- Selected powdercoat  
(lead time applies)

**TECHNICAL DETAILS**

Suits 10mm & 12mm glass

Includes removable single action door stop



**HPT70** Overpanel patch fitting incorporating stops for single action double doors

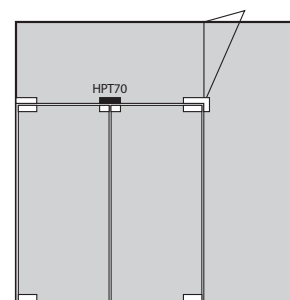
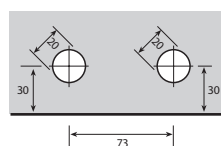
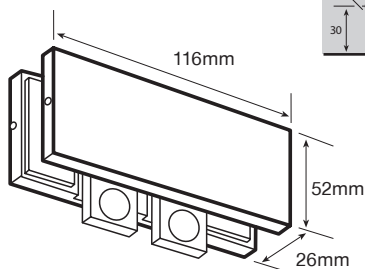
**AVAILABLE FINISHES**

- Polished stainless steel
- Satin stainless steel
- Selected powdercoat  
(lead time applies)

**TECHNICAL DETAILS**

Stops removable and reversible

Suits 10mm & 12mm glass



**YDG313 Digi-Lock Digital Smart Pad Lock**

**AVAILABLE FINISHES**

- Polished mirrored

**TECHNICAL DETAILS**

Numbered key pad appears on the mirror screen when touched  
Dual access, either by card or by smart pad touch screen. Multiple cards can be enabled  
Attached to the glass using high bond tapes  
No glass cut out required  
Suitable for 10mm and 12mm glass  
Battery operated. 4x AA batteries will last up to one year  
9volt emergency battery back up  
Used in conjunction with standard Euroglass pivot door fittings  
Auto locking (multi featured)  
For internal and external doors (not suitable for out door use)  
Residential and commercial applications  
Suits both single and double doors  
Used with keeper box GK313



Front Face

Back of Unit

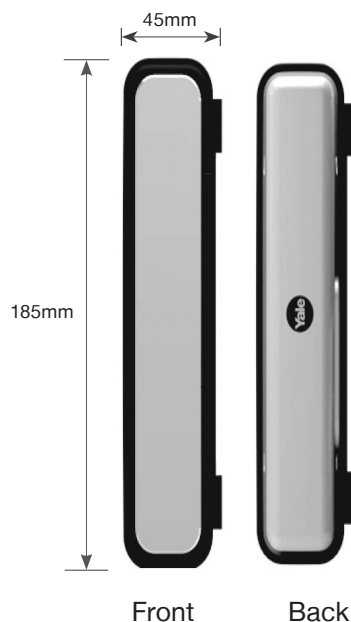
**GK313 Glass Keeper Box**

**AVAILABLE FINISHES**

- Polished mirrored

**TECHNICAL DETAILS**

Attached to the glass using high bond tapes  
No glass cut out required  
Suitable for 10mm and 12mm glass  
Striker keeper available for timber or aluminium if required



Front

Back

**PL590** Bottom or top patch lock

**AVAILABLE FINISHES**

- Polished stainless steel
- Satin stainless steel
- Selected powdercoat, lead time applies

**TECHNICAL DETAILS**

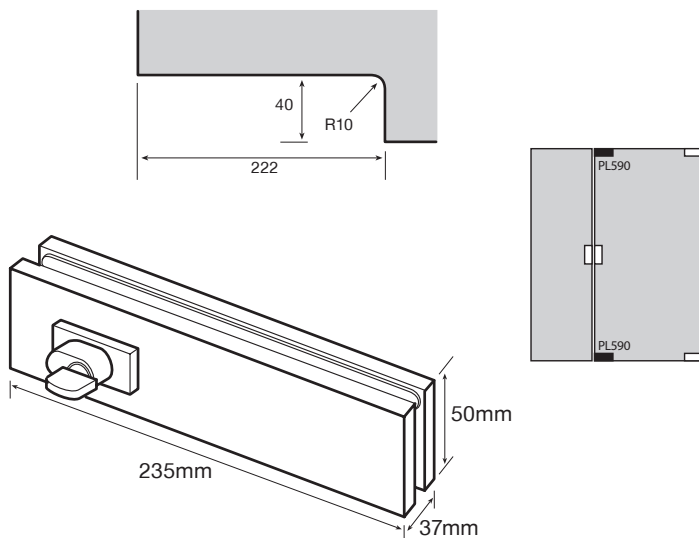
Complete with lock and cylinders

Specify cylinder combination

e.g. Double cylinder, Cylinder/Turn,  
Single cylinder & Single turn

Use with keeper LK590/GK590

Suits 10mm & 12mm glass



**CPL590** Centre patch lock

**AVAILABLE FINISHES**

- Polished stainless steel
- Satin stainless steel
- Selected powdercoat, lead time applies

**TECHNICAL DETAILS**

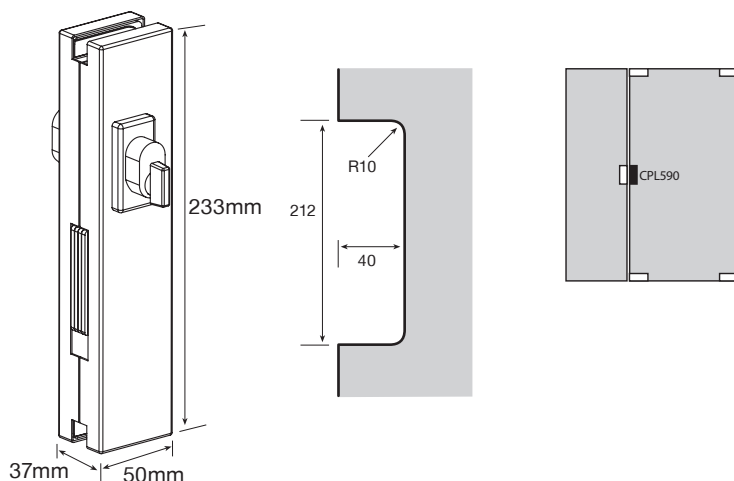
Complete with lock and cylinders

Specify cylinder combination

e.g. Double cylinder, Cylinder/Turn,  
Single cylinder & Single turn

Use with keepers CPK590 and LK590

Suits 10mm & 12mm glass



**CPK590** Centre patch keeper

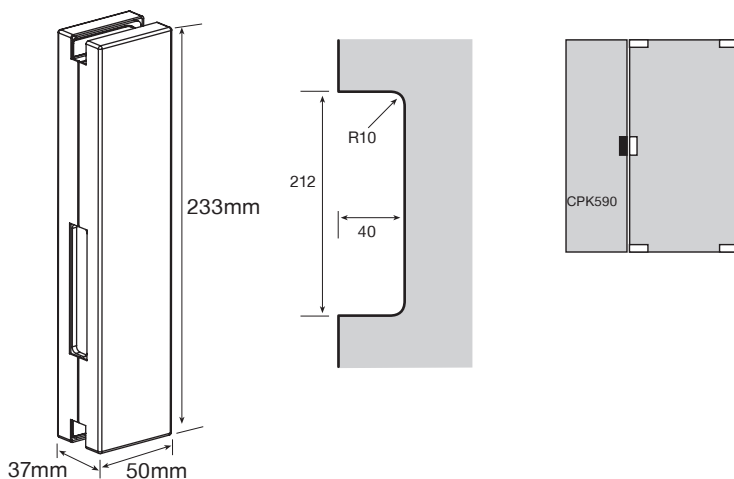
**AVAILABLE FINISHES**

- Polished stainless steel
- Satin stainless steel
- Selected powdercoat, lead time applies

**TECHNICAL DETAILS**

Use with CPL590

Suits 10mm & 12mm glass



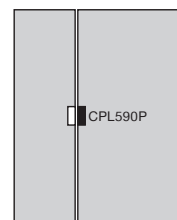
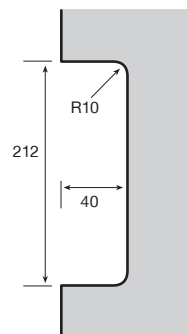
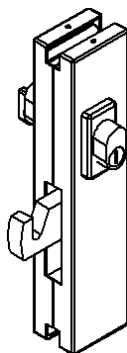
**CPL590P Parrot beak patch**

**AVAILABLE FINISHES**

- Polished stainless steel
- Satin stainless steel

**TECHNICAL DETAILS**

For sliding doors  
Complete with lock and cylinders  
Specify cylinder combination  
e.g. Double cylinder, Cylinder/Turn,  
Single cylinder & Single turn  
Use with keeper CPK590P  
Suits 10mm & 12mm glass



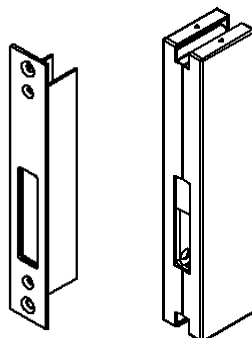
**CPK590P Parrot beak keeper**

**AVAILABLE FINISHES**

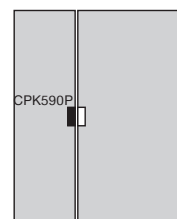
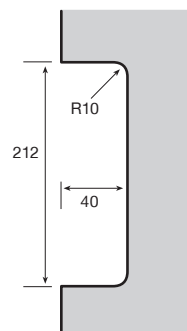
- Polished stainless steel
- Satin stainless steel

**TECHNICAL DETAILS**

For sliding doors  
Use with CPL590P  
Suits 10mm & 12mm glass



WK590P



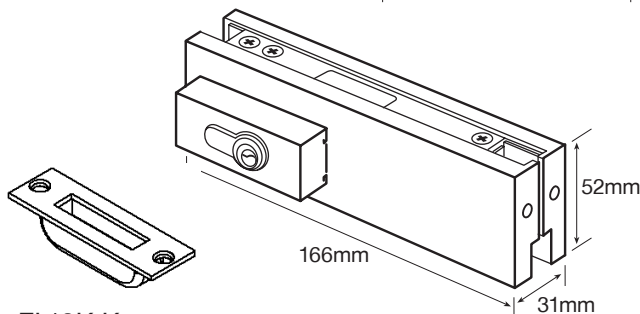
**EL10PL Top/bottom patch lock**

**AVAILABLE FINISHES**

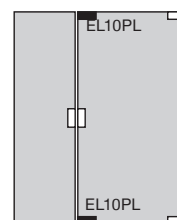
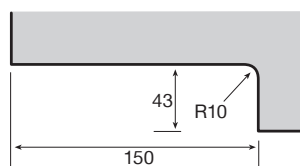
- Polished stainless steel
- Satin stainless steel
- Selected powdercoat, lead time applies

**TECHNICAL DETAILS**

Vertical bolt projection 20mm  
Eurotype cylinders  
Specify cylinder combination  
e.g. double cylinder, cylinder/turn,  
single cylinder & single turn  
Suits 10mm or 12mm glass



EL10K Keeper



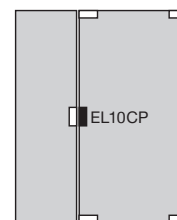
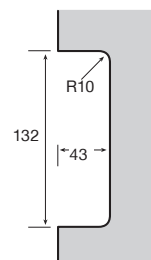
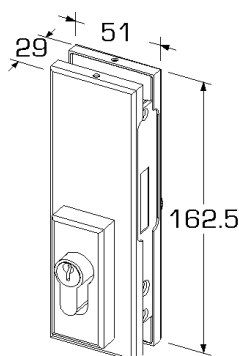
**EL10CPL Centre patch lock**

**AVAILABLE FINISHES**

- Polished stainless steel
- Satin stainless steel
- Selected powdercoat, lead time applies

**TECHNICAL DETAILS**

Vertical bolt projection 20mm  
Eurotype cylinders  
Specify cylinder combination  
e.g. double cylinder, cylinder/turn,  
single cylinder & single turn  
Suits 10mm or 12mm glass  
Striker box is available (code EL10CPK)



**DC88/CT88 Eurostyle cylinders**

**AVAILABLE FINISHES**

- Chrome plate
- Satin chrome

**TECHNICAL DETAILS**

Used with EL10



DC88  
Cylinder Double



CT88  
Cylinder/Turn

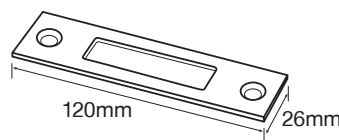
**LK590/GK590 Lockwood 590 groundkeeper**

**AVAILABLE FINISHES**

- Stainless steel (LK590)
- Satin silver anodised (GK590)

**TECHNICAL DETAILS (LK590)**

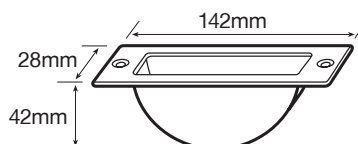
Used with PL590 and CPL590 locks & rails



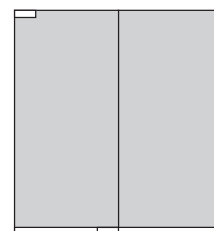
LK590

**TECHNICAL DETAILS (GK590)**

Used with rail locks & PL590



GK590



GK590

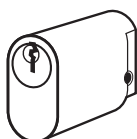
**SC90/TK90/ER90/RS90 Lockwood accessories 590 patch locks**

**AVAILABLE FINISHES**

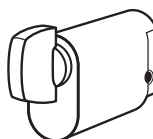
- Satin silver anodised

**TECHNICAL DETAILS**

Used with rail locks



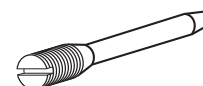
SC90  
Single cylinder



TK90  
Turn knob



ER90  
Escutcheon rose



RS90  
Retaining screw

**374 Straddle fix bolt lock**

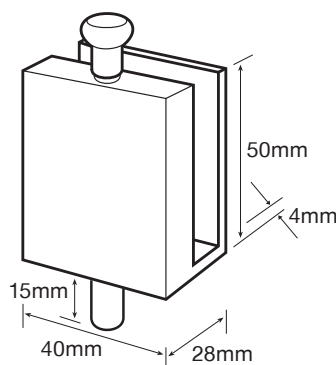
**AVAILABLE FINISHES**

- Satin silver anodised
- Selected powdercoat (lead time applies)

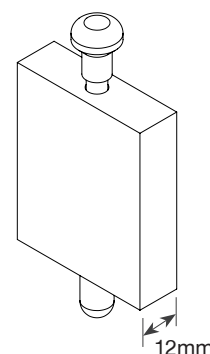
**TECHNICAL DETAILS**

Suitable for 10mm or 12mm thick glass  
No cut out of glass panel required  
Silicon fixing  
Tubular groundkeeper included  
Slide and glue-on options

**Slide option**



**Glue-on option**



### RL1/RL2/RL2 COC Bottom and top non-locking door rails

#### AVAILABLE FINISHES

- Satin silver anodised
- Polished stainless steel
- Satin stainless steel
- Selected powdercoat  
(lead time applies)

#### TECHNICAL DETAILS

RL1 bottom rail; RL2 top rail;

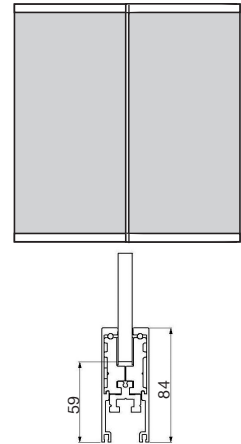
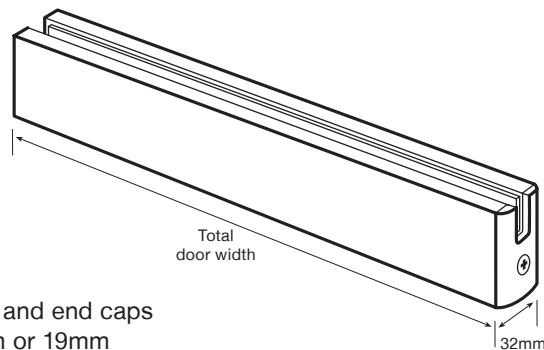
RL2 COC top overhead closer rail

Supplied in custom lengths with cover plates and end caps

Specify glass thickness: 10mm, 12mm, 15mm or 19mm

Rail length needs to be 9mm less than your glass to allow for end caps

(please specify glass width)



### RL3/RL4/RL4 COC Bottom and top locking door rails

#### AVAILABLE FINISHES

- Satin silver anodised
- Polished stainless steel
- Satin stainless steel
- Selected powdercoat  
(lead time applies)

#### TECHNICAL DETAILS

Complete with 590 lock

RL3 bottom rail; RL4 top rail;

RL4 COC top overhead closer rail

Specify cylinder combination

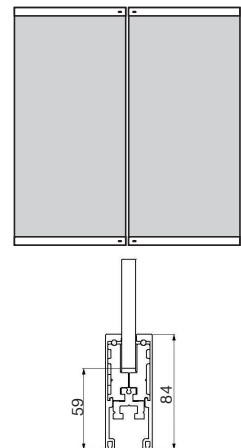
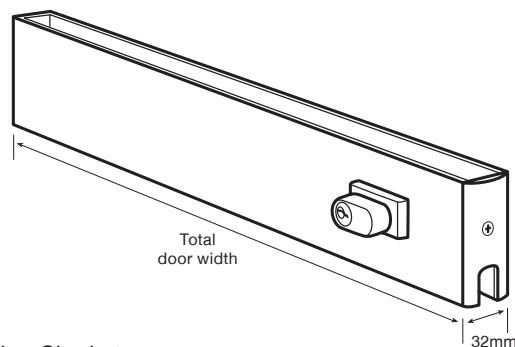
e.g. Double cylinder, Cylinder/Turn, Single cylinder, Single turn

Supplied in custom lengths with cover plates and end caps

Specify glass thickness: 10mm, 12mm, 15mm or 19mm

Rail length needs to be 9mm less than your glass to allow for end caps

(please specify glass width)



### RL5 Bottom and top non-locking sliding door rails

#### AVAILABLE FINISHES

- Satin silver anodised
- Polished stainless steel
- Satin stainless steel
- Selected powdercoat  
(lead time applies)

#### TECHNICAL DETAILS

RL5 bottom sliding rail

RL5 top sliding rail

Supplied in custom lengths with cover plates and end caps

Specify glass thickness: 10mm, 12mm, 15mm or 19mm

Rail length needs to be 9mm less than your glass to allow for end caps

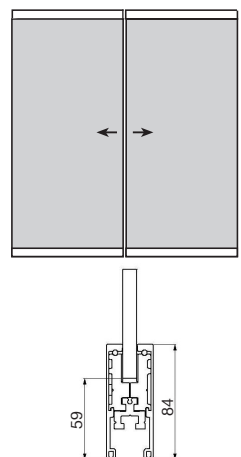
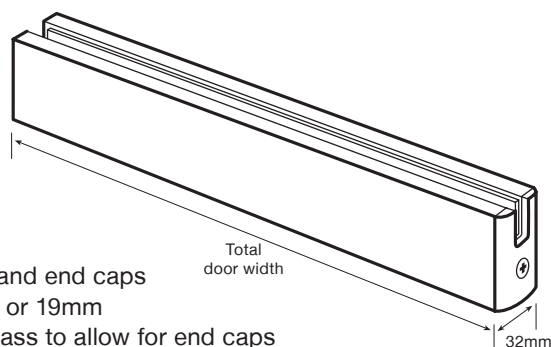
(please specify glass width)

N.B. does not include sliding track system

#### SPECIALS

Floor guide available

Roller attachments available



**RL6 Bottom and top locking sliding door rails**

**AVAILABLE FINISHES**

- Satin silver anodised
- Polished stainless steel
- Satin stainless steel
- Selected powdercoat  
(lead time applies)

**TECHNICAL DETAILS**

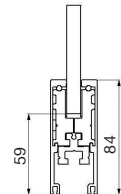
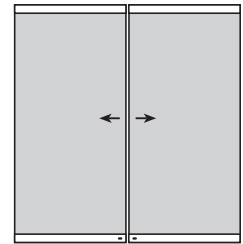
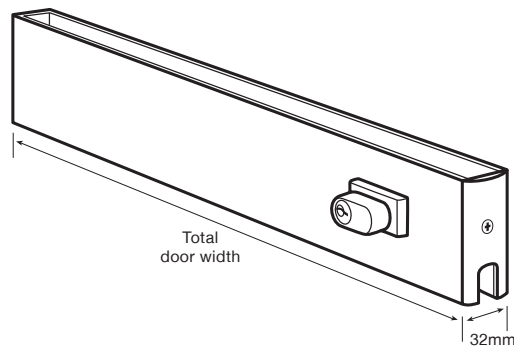
Specify cylinder combination  
e.g. Double cylinder, Cylinder/Turn,  
Single cylinder, Single turn

Supplied in custom lengths with cover plates  
and end caps

Specify glass thickness: 10, 12, 15 or 19mm

Rail length needs to be 9mm less than your glass to allow for end caps  
(please specify glass width)

N.B. does not include sliding track system



**SPECIALS**

Floorguide available, see below

**RL7 Sidelight rail**

**AVAILABLE FINISHES**

- Satin silver anodised
- Polished stainless steel
- Satin stainless steel
- Selected powdercoat  
(lead time applies)

**TECHNICAL DETAILS**

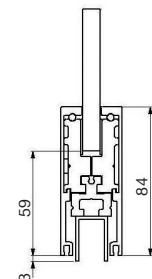
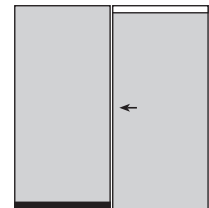
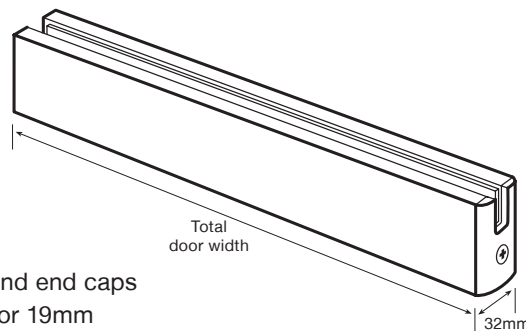
Frameless sidelight rail to match door rail

Supplied in custom lengths with cover plates and end caps

Specify glass thickness: 10mm, 12mm, 15mm or 19mm

CH25 channel required to mount rail to floor

Rail length needs to be 9mm less than your glass to allow for end caps  
(please specify glass width)



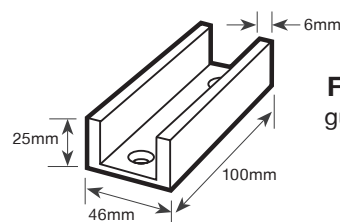
**FGR Guide**

**AVAILABLE FINISHES**

- Black nylon

**TECHNICAL DETAILS**

FGR guide for Euroglass sliding rail



**FGR**  
guide

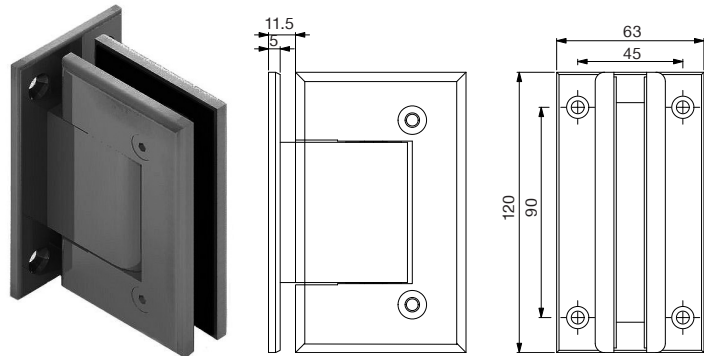
**VIENNA HYDRAULIC HINGE Glass to wall  
EH1HO**

**AVAILABLE FINISHES**

- Polished stainless steel, marine grade 316

**TECHNICAL DETAILS**

Made from aluminium and stainless steel  
Hinge opening angle 100°  
Self-closing from any angle  
Available as non-hold open (for pool environments)  
and hold open (doors)  
Maximum recommended glass weight; 70kg  
Maximum recommended door width; 900mm  
Standard for 12mm glass, can be supplied for 10mm  
or 15mm glass on request  
Screw on each pivot block adjusts  
hydraulic closing speed



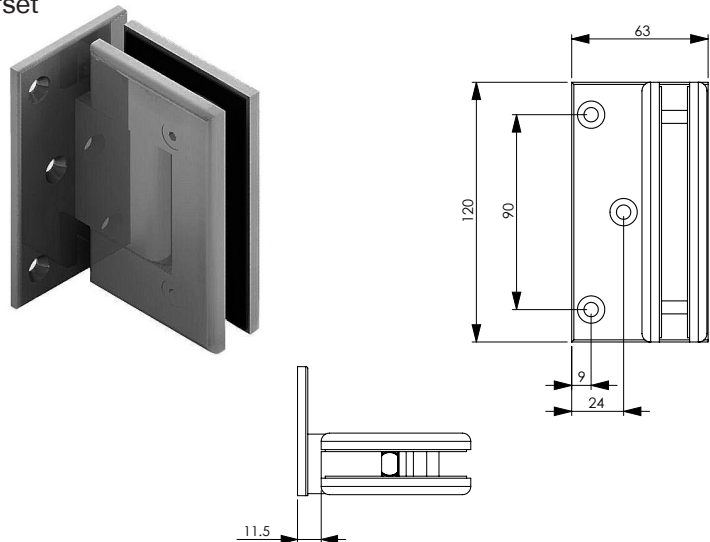
**VIENNA HYDRAULIC HINGE Glass to wall, offset  
EH1LHO**

**AVAILABLE FINISHES**

- Polished stainless steel, marine grade 316

**TECHNICAL DETAILS**

Made from aluminium and stainless steel  
Hinge opening angle 100°  
Self-closing from any angle  
Available as non-hold open (for pool environments)  
and hold open (doors)  
Maximum recommended glass weight; 70kg  
Maximum recommended door width; 900mm  
Standard for 12mm glass, can be supplied for 10mm  
or 15mm glass on request  
Screw on each pivot block adjusts  
hydraulic closing speed



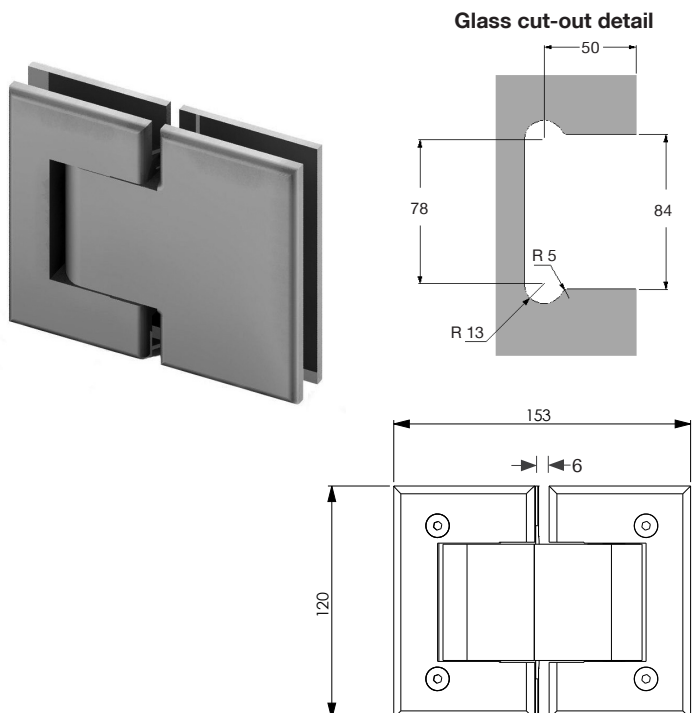
**VIENNA HYDRAULIC HINGE Glass to glass  
EH2HO**

**AVAILABLE FINISHES**

- Polished stainless steel, marine grade 316

**TECHNICAL DETAILS**

Made from aluminium and stainless steel  
Hinge opening angle 100°  
Self-closing from any angle  
Available as non-hold open (for pool environments)  
and hold open (doors)  
Maximum recommended glass weight; 70kg  
Maximum recommended door width; 900mm  
Standard for 12mm glass, can be supplied for 10mm  
or 15mm glass on request  
Screw on each pivot block adjusts  
hydraulic closing speed



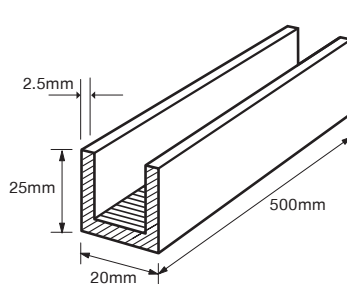
### CU25/CU45 Channel

#### AVAILABLE FINISHES

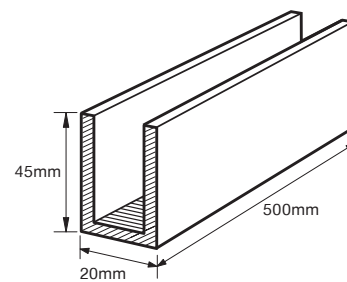
- Mill finish
- Satin silver anodised

#### TECHNICAL DETAILS

Stock length: 5m  
Thickness 2.5mm



CU25  
channel



CU45  
channel

### COM1/COM2 Commercial glazing U channel

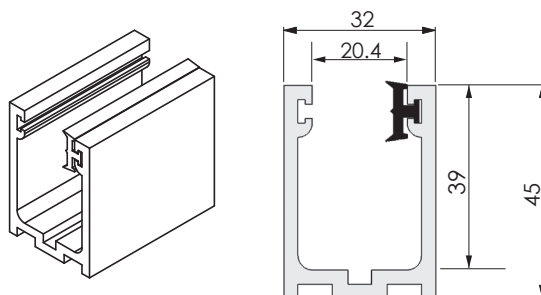
#### COM3 End cap

#### AVAILABLE FINISHES

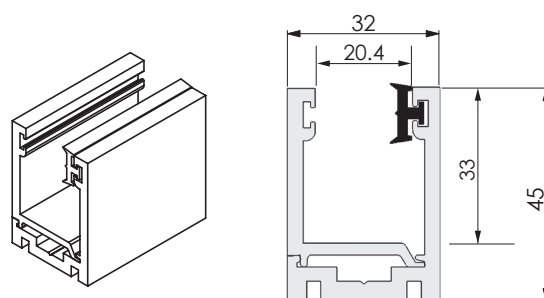
- Satin anodised
- Mill finish

#### TECHNICAL DETAILS

Heavy duty one or two-piece architectural commercial channel section, used for interior and exterior applications. Suitable for 10, 12 and 15mm glass, can be used with 19mm if wet glazed.



COM1 Bottom Channel



COM2 Head/Side Channel



COM3 End Cap