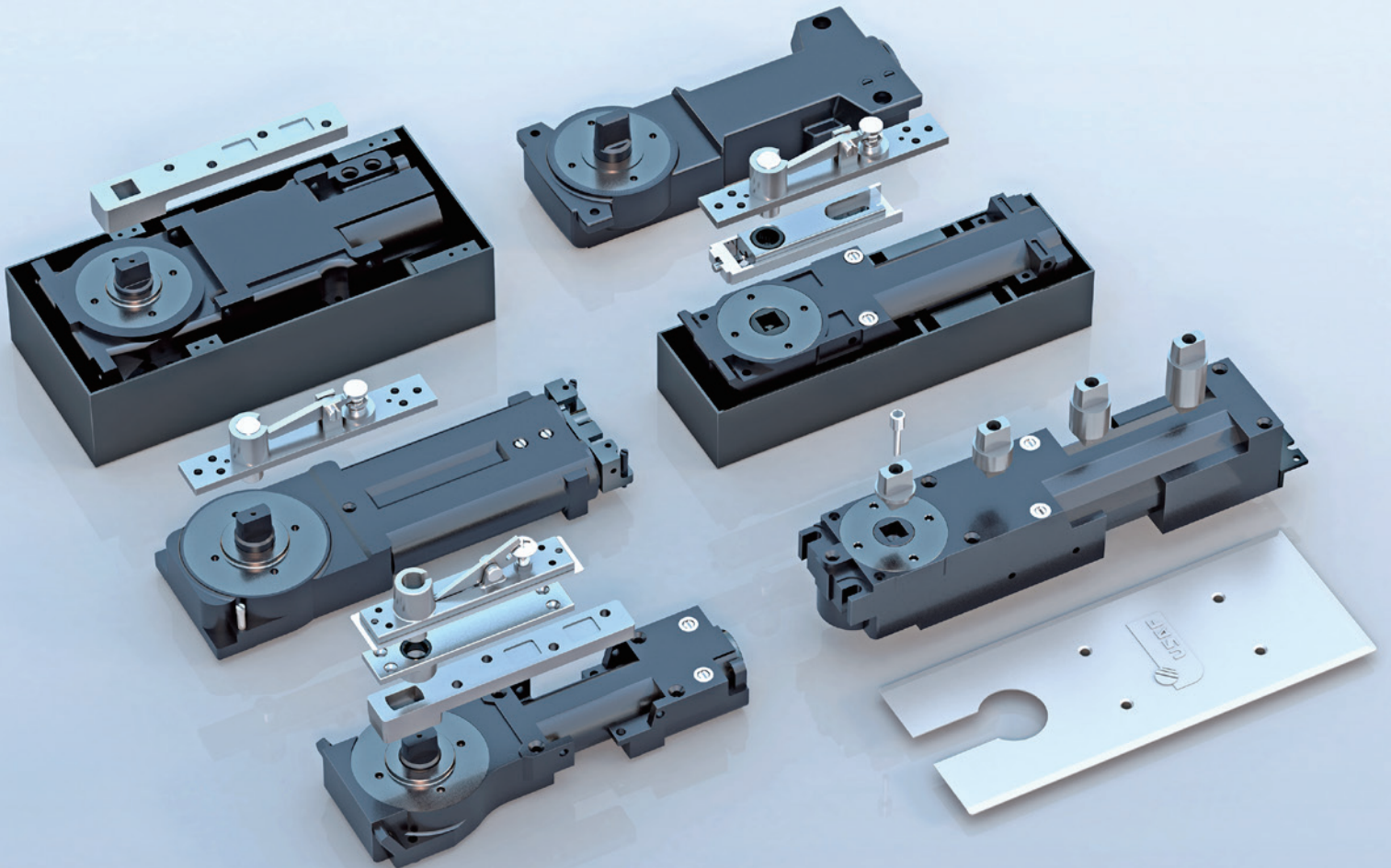


USAF

Builder's Hardware



SOLID WELL INTERNATIONAL CORP.

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SHOWER HINGE	230 SERIES	3
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GLASS CONNECTOR	280 SERIES	6
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DOOR BOY	381 SERIES	13
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ES100 For Double Action Glass Door (DUAL MODE)

ORDERING INFORMATION

ES100 S L

Lock Sensor

VOLTAGE/CURRENT DRAW

- 12VDC/300mA
- 24VDC/150mA

FAIL SAFE/FAIL SECURE

Site convertible from one mode to the other
(Fail secure default, unless specified on order)

GLASS THICKNESS

8~12mm

OPTION

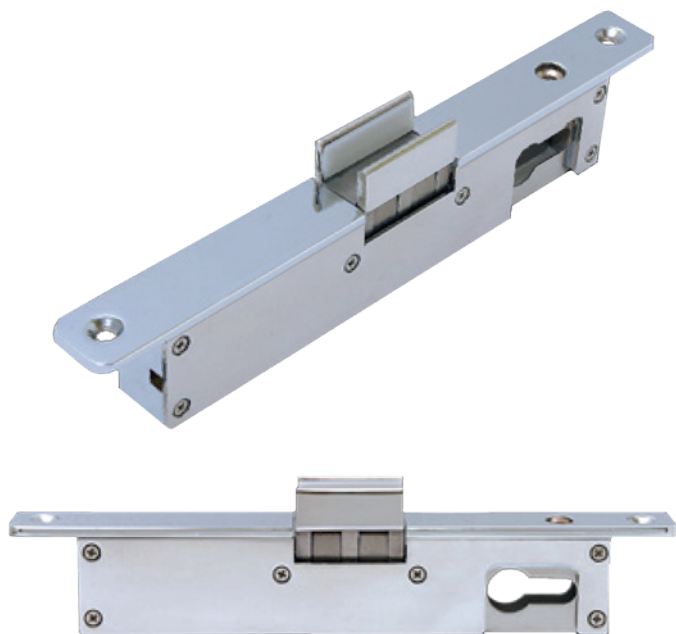
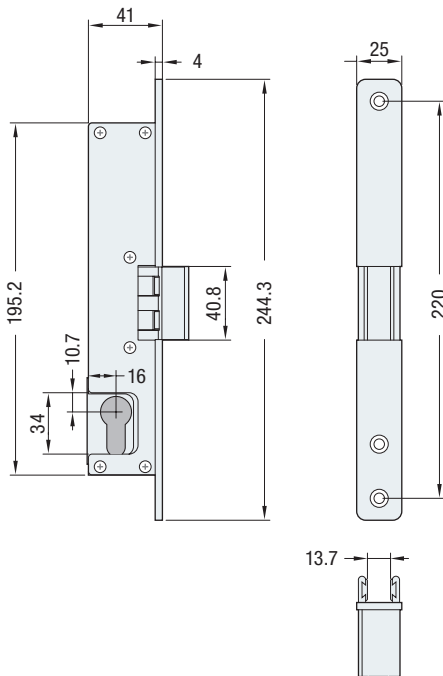
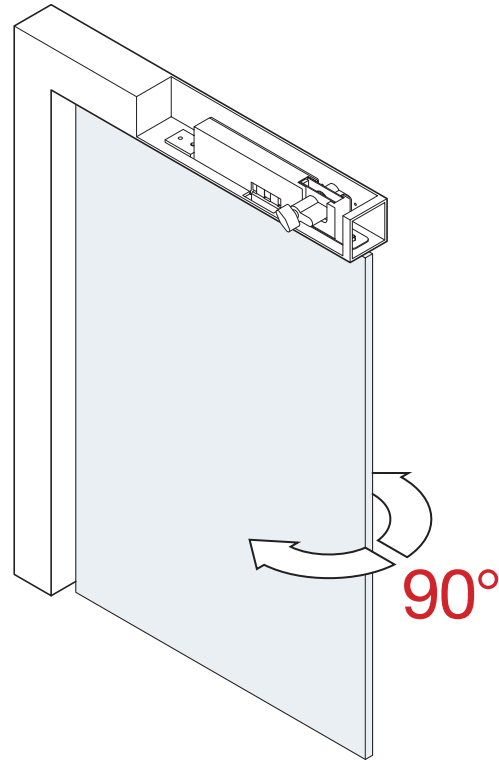
Euro Cylinder for Emergency opening
in Fail Secure mode

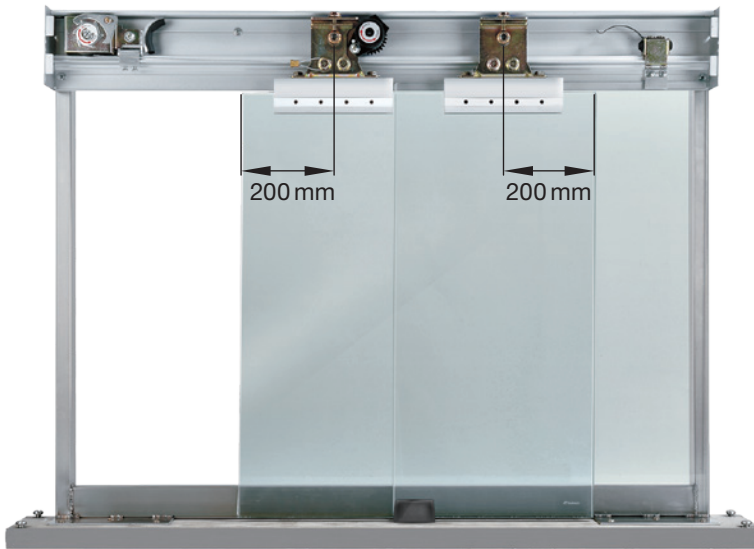
DIMENSIONS

ES100 SL : 245L x 25W x 41H mm

APPLICATION

- Applicable to frameless glass door
- Bi-directional locking function



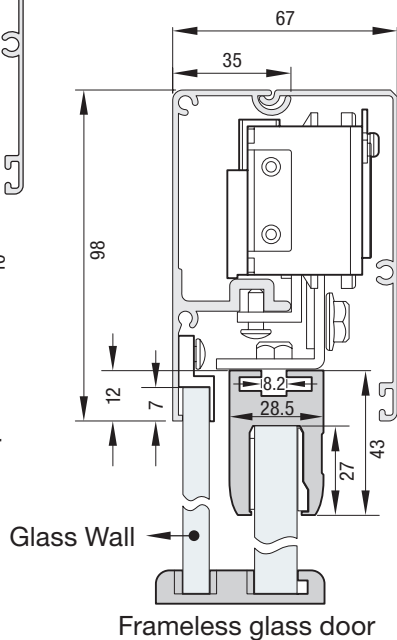
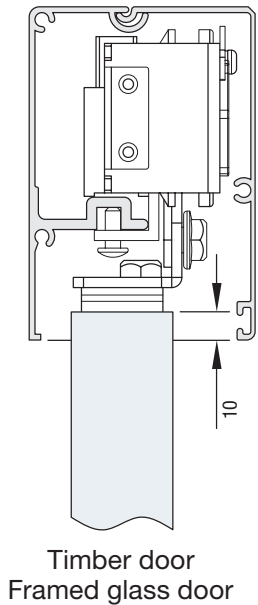


FEATURES

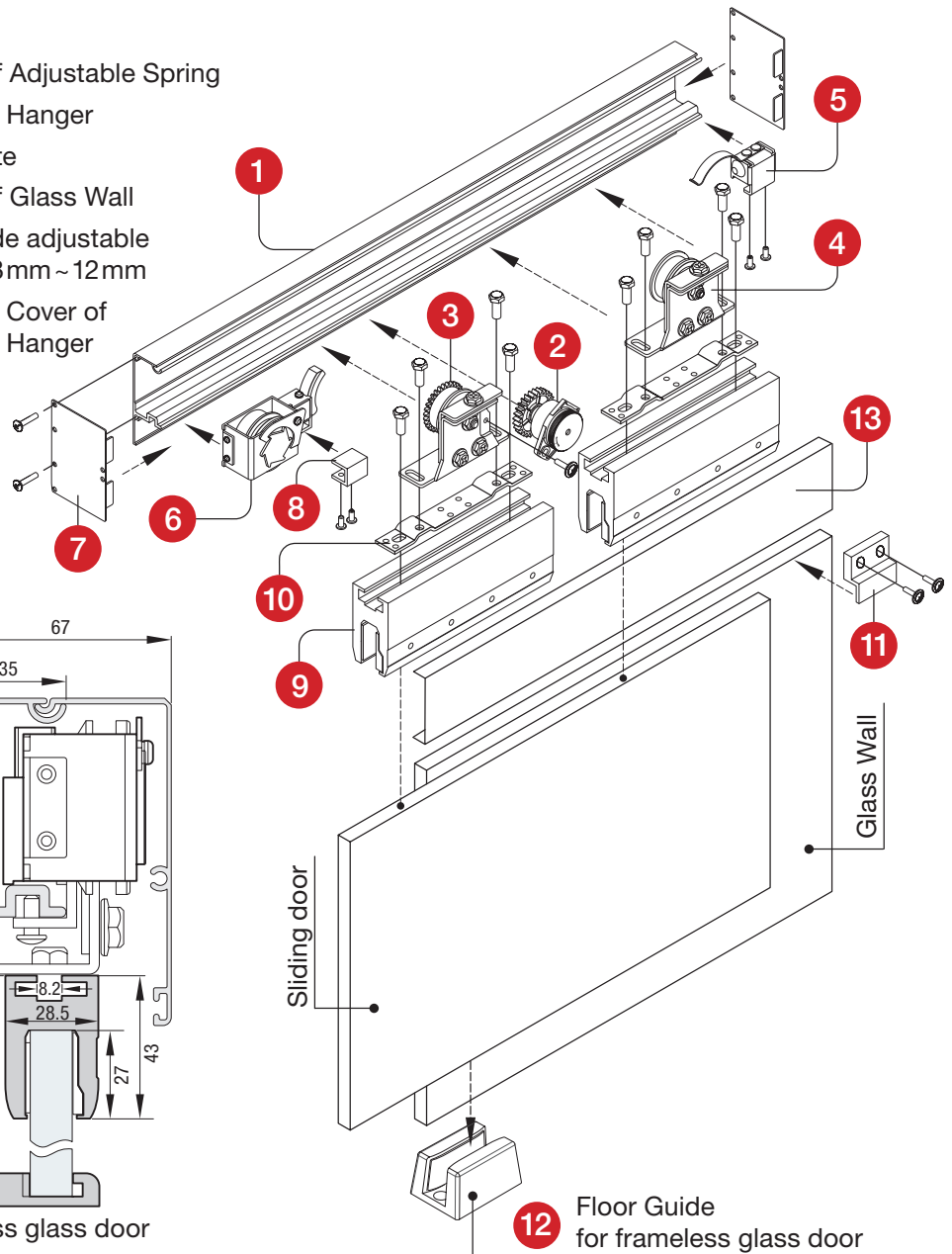
- Energy saving, no electricity required. Mechanical design.
- Adjustable closing speed by Spring and Hydraulic Brake.
- Constant closing speed all the way from full open to close position.
- Non handed. Unit for either RH or LH opening.
- Door weight: 15Kg ~ 80Kg. Glass thickness: 8 ~ 12mm.
- Good for wooden door, framed glass door, frameless glass door.

ACCESSORIES

- | | |
|---------------------|--|
| 1 Aluminum Rail | 8 Bracket of Adjustable Spring |
| 2 Hydraulic Brake | 9 Aluminum Hanger |
| 3 Roller with Gear | 10 Fixing plate |
| 4 Roller | 11 Bracket of Glass Wall |
| 5 Door Holder | 12 Floor Guide adjustable for glass 8mm ~ 12mm |
| 6 Adjustable Spring | 13 Aluminum Cover of Aluminum Hanger |
| 7 Side Cover | |



Unit: mm



FEATURES

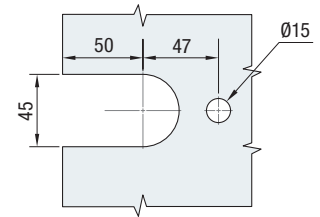
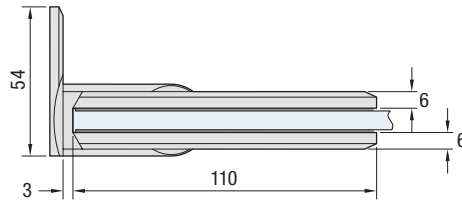
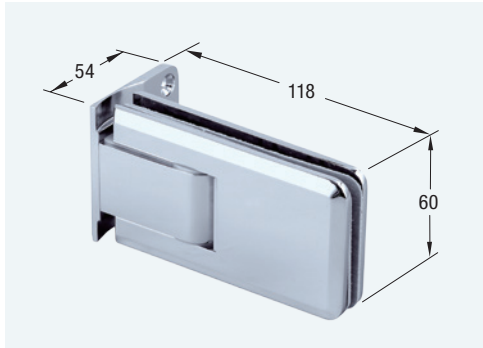
- Material : Brass.
- Finish available :
 PC : Polished Chrome.
 SC : Satin Chrome.
 PVD : Physical Vapour Deposition.

TECHNICAL DATA

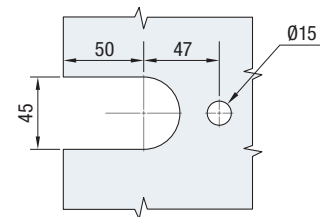
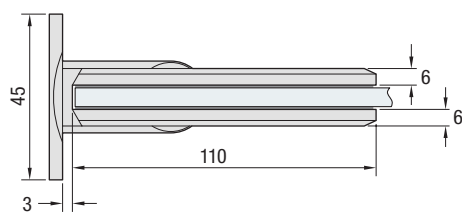
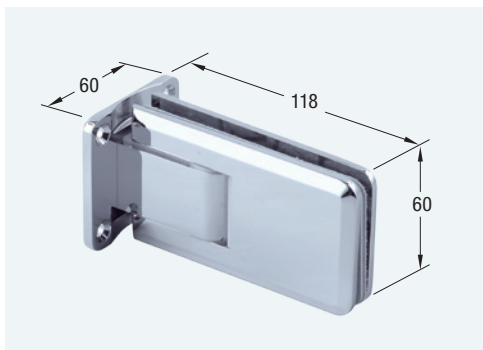
Thickness	10 mm		12 mm	
Weight & Width	Weight	Door Width	Weight	Door Width
2 Hinges per door	40 kg	850 mm	40 kg	850 mm

Unit: *mm*

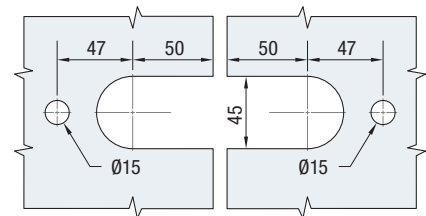
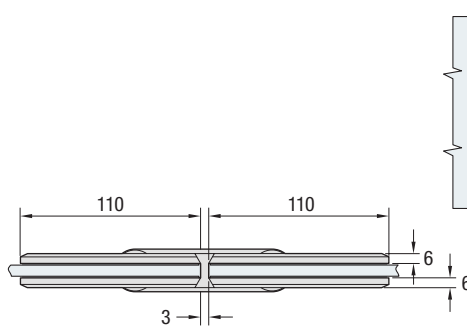
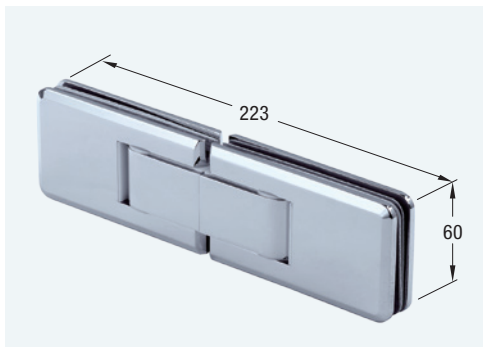
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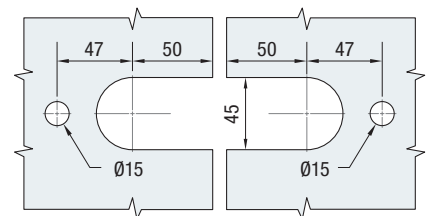
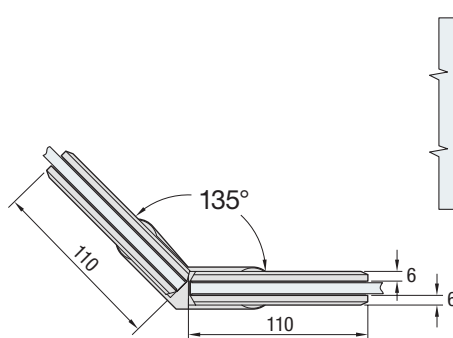
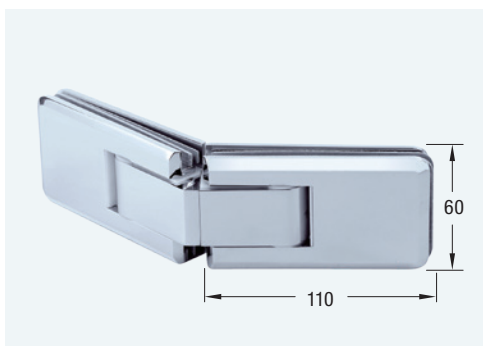
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232



233



FEATURES

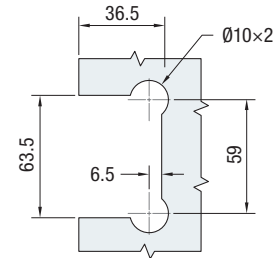
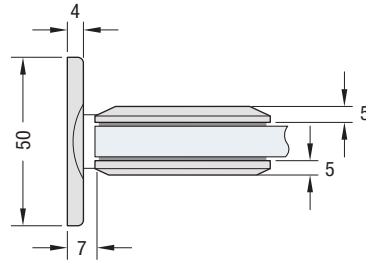
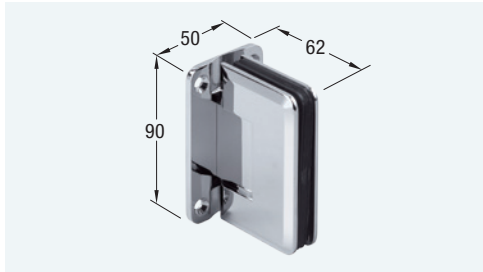
- Material : Brass.
- Finish available :
 PC : Polished Chrome.
 SC : Satin Chrome.
 PVD : Physical Vapour Deposition.

TECHNICAL DATA

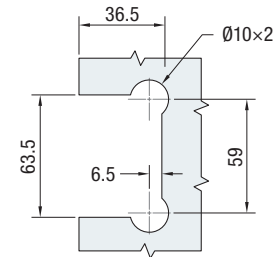
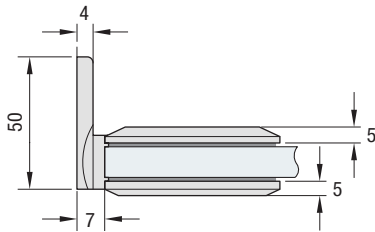
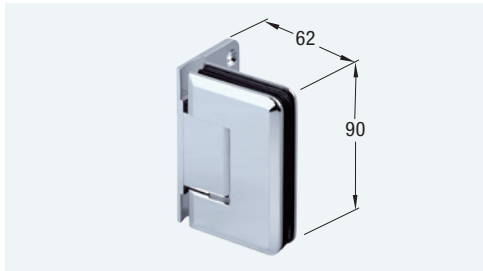
Thickness	8mm		10mm		12mm	
Weight & Width	Weight	Door Width	Weight	Door Width	Weight	Door Width
2 Hinges per door	35 kg	700 mm	35 kg	700 mm	35 kg	650 mm

Unit: *mm*

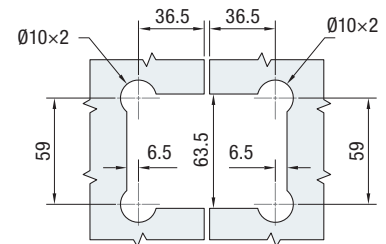
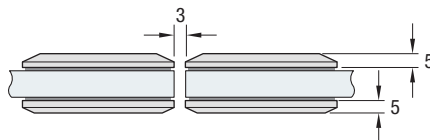
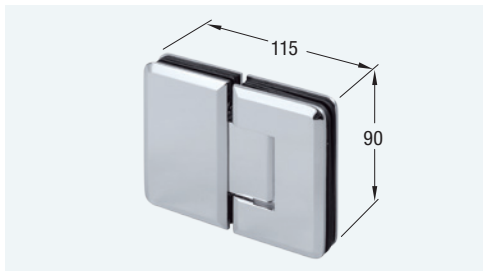
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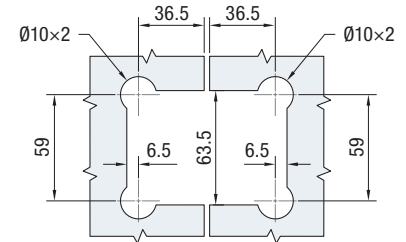
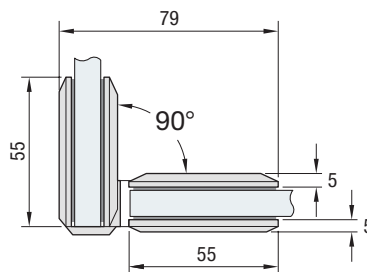
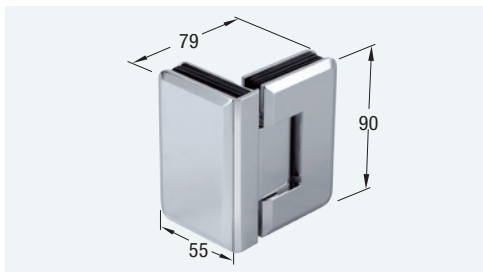
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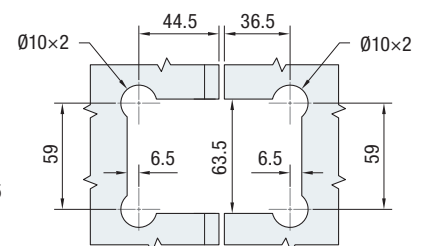
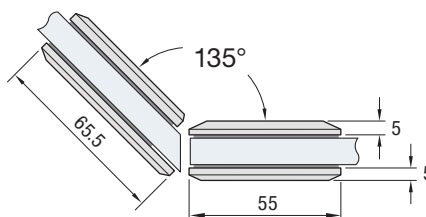
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FEATURES

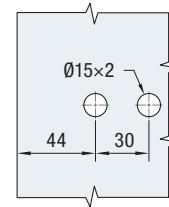
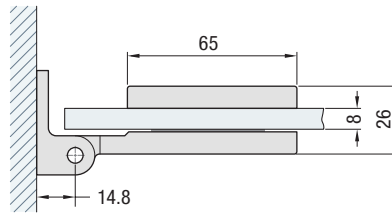
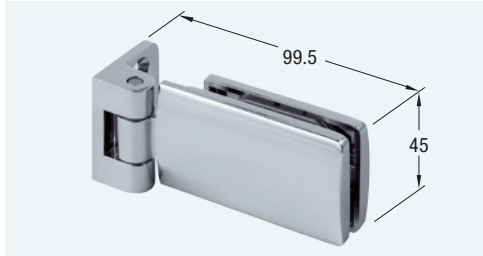
- Material : Brass.
- Finish available :
 PC : Polished Chrome.
 SC : Satin Chrome.
 PVD : Physical Vapour Deposition.

TECHNICAL DATA

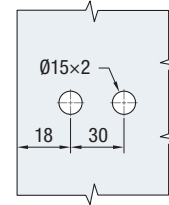
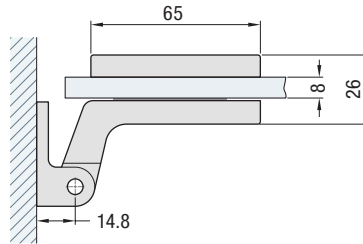
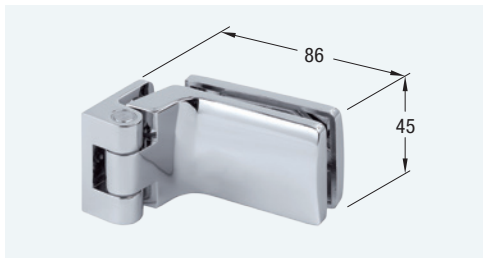
Thickness	8 mm		10 mm	
Weight & Width	Weight	Door Width	Weight	Door Width
2 Hinges per door	35 kg	700 mm	35 kg	700 mm

Unit: *mm*

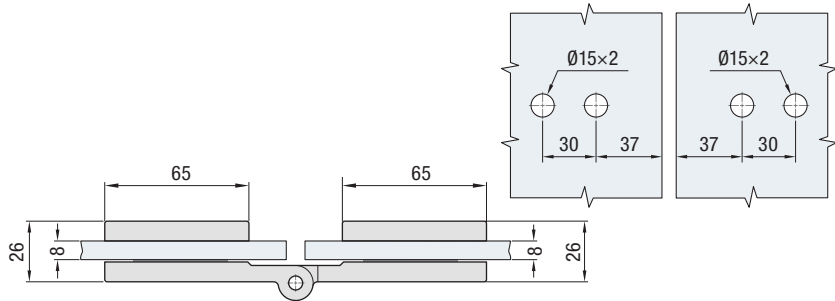
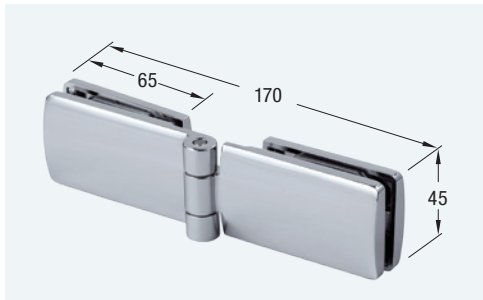
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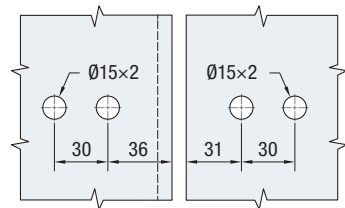
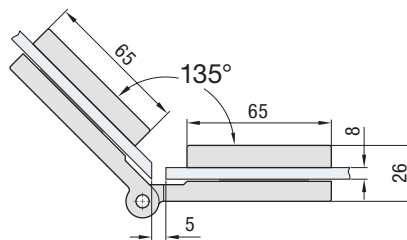
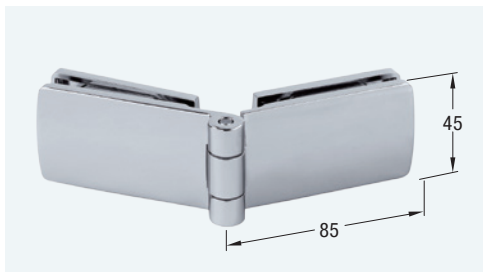
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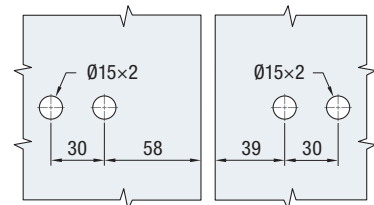
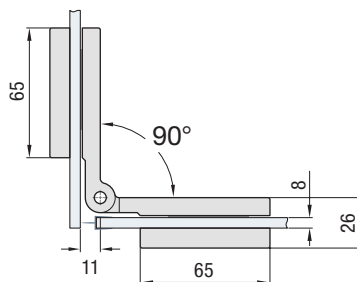
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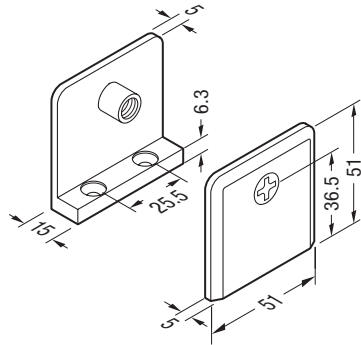
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254

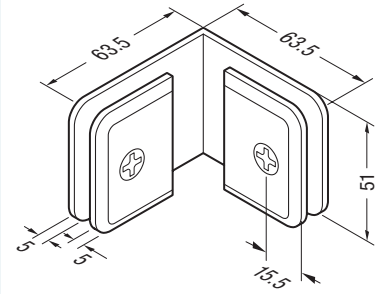
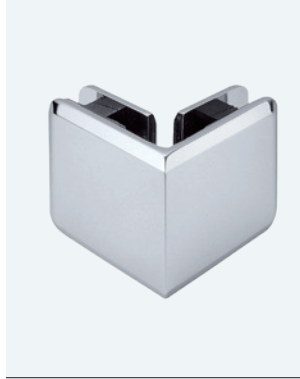


#281 Wall Clip



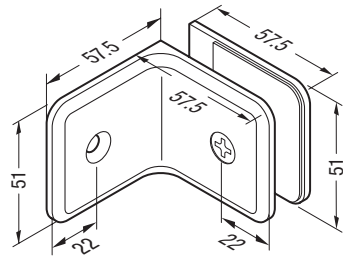
Glass thickness: 8 ~ 12 mm

#282 Angle Connector



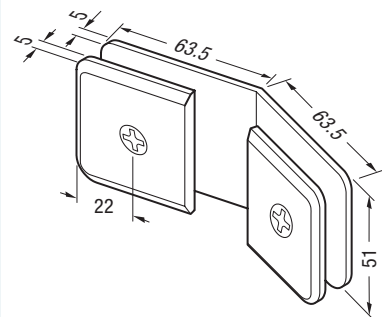
Glass thickness: 8 ~ 12 mm

#283 Angle Connector



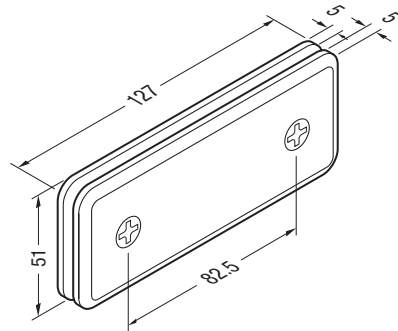
Glass thickness: 8 ~ 12 mm

#284 135° Angle Connector



Glass thickness: 8 ~ 12 mm

#285 Flat Connector



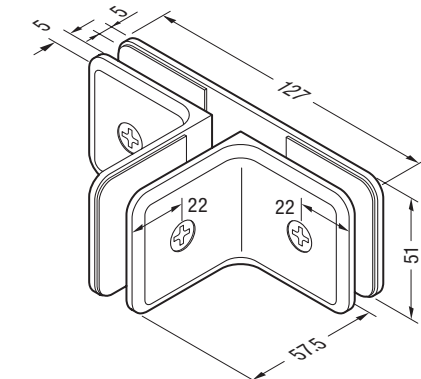
Glass thickness: 8 ~ 12 mm

#286 Ring Pull



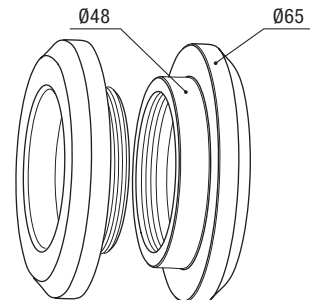
Ø 30 × 30 × 2
for swing door: 8 ~ 12 mm

#287 T-Corner Clip



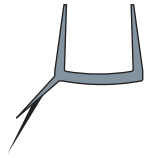
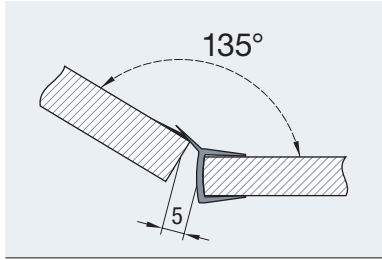
Glass thickness: 8 ~ 12 mm

#288 Disc Handle

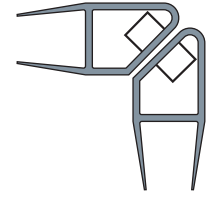
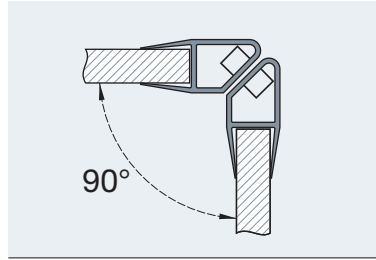


Ø 65 × 10 × 2
for sliding door: 8 ~ 12 mm

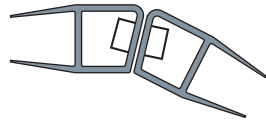
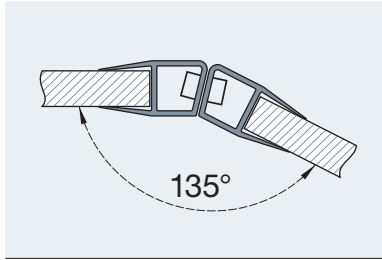
290 Glass To Glass



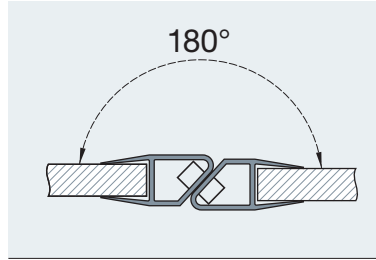
291 Glass To Glass



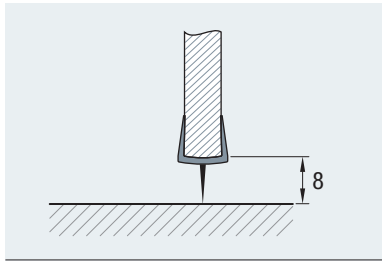
291 Glass To Glass



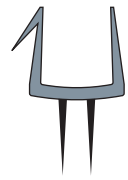
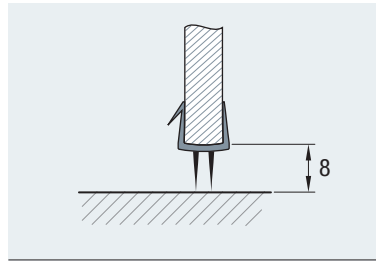
291 Glass To Glass



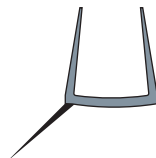
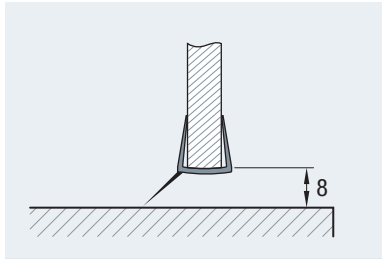
292 Glass To Floor



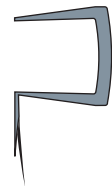
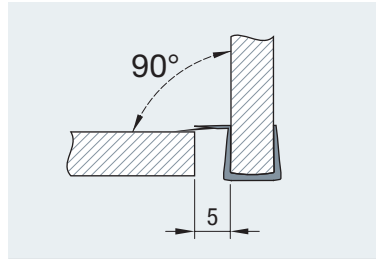
293 Glass To Floor



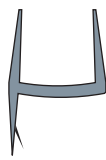
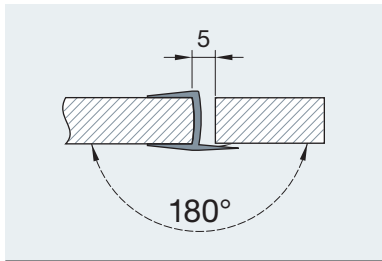
294 Glass To Floor



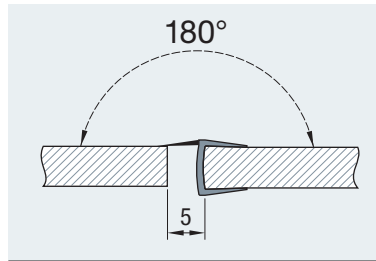
295 Glass To Glass



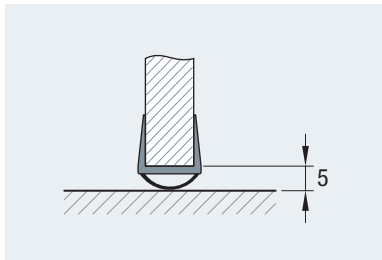
296 Glass To Glass



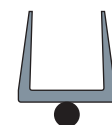
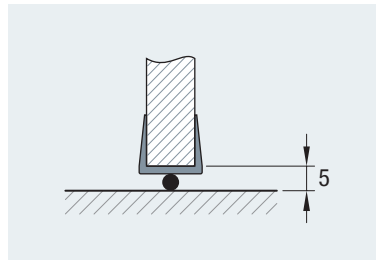
297 Glass To Glass



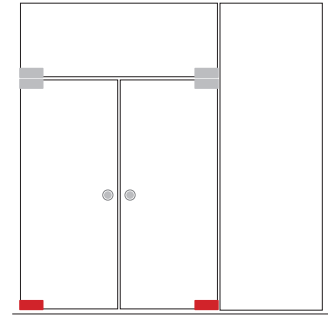
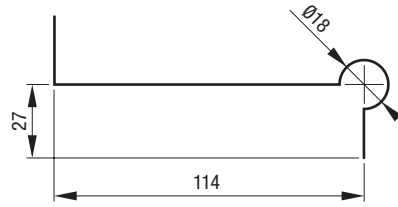
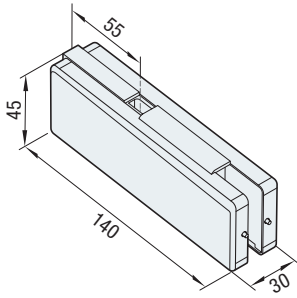
298 Glass To Floor



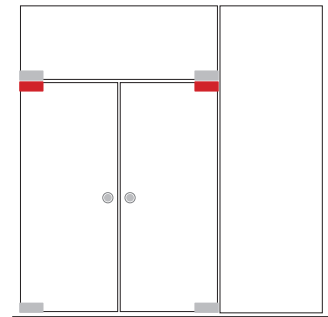
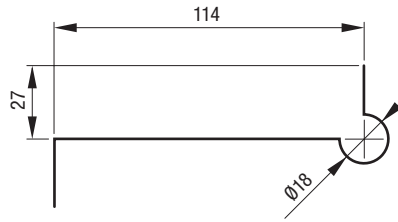
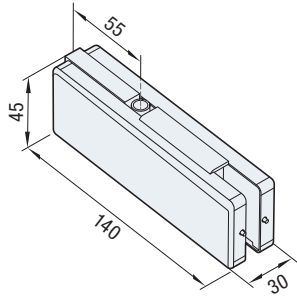
299 Glass To Floor



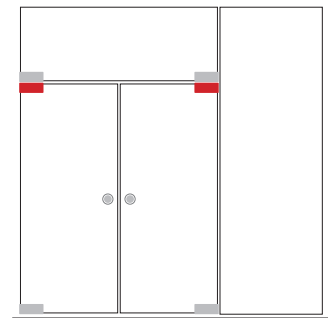
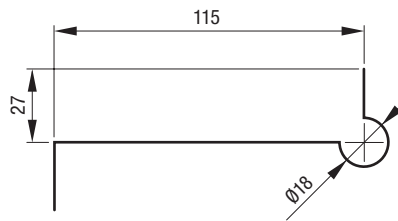
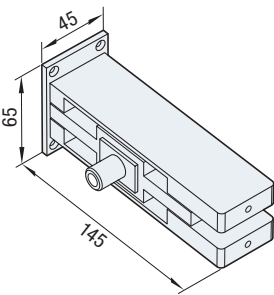
301 Bottom Patch Fitting



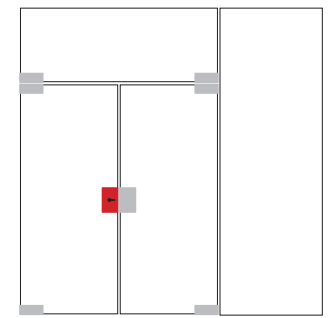
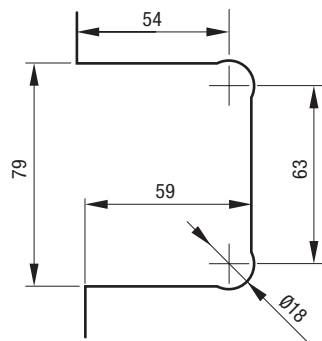
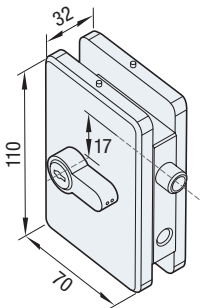
302 Top Patch Fitting



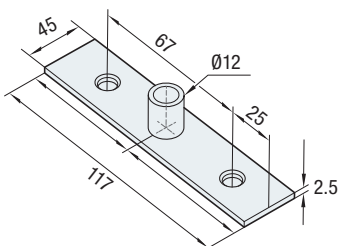
303 Top Patch Fitting



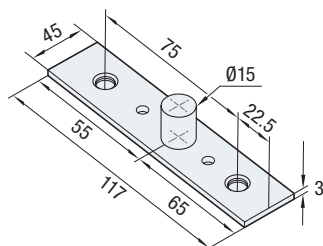
305 Patch Lock



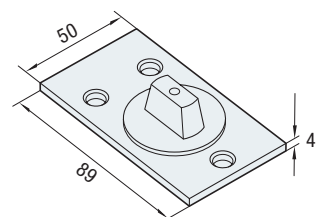
331S Top Pivot



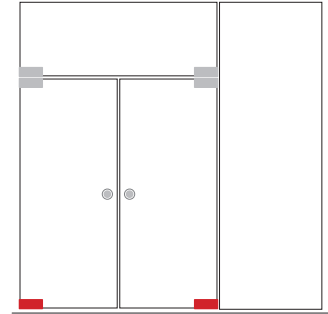
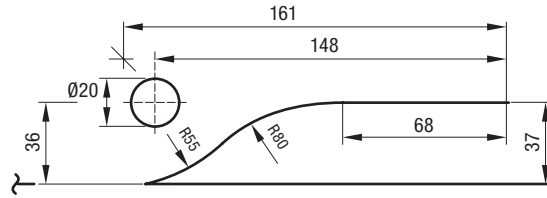
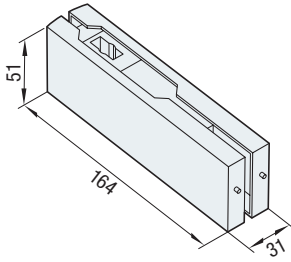
331 Top Pivot



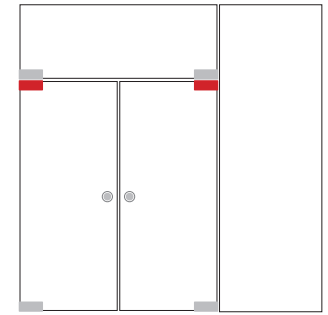
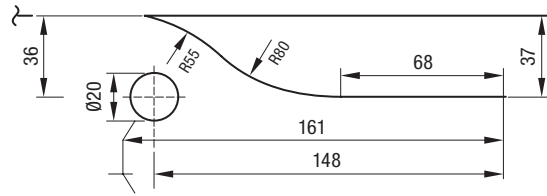
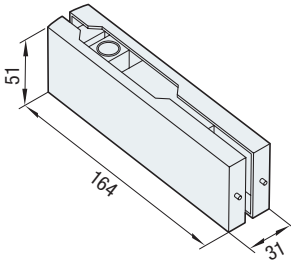
332 Bottom Pivot



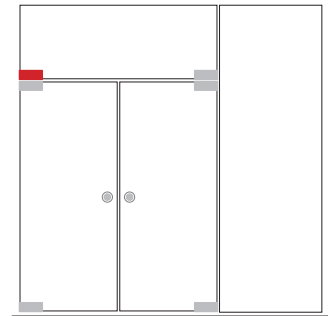
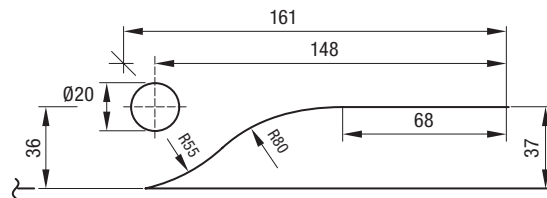
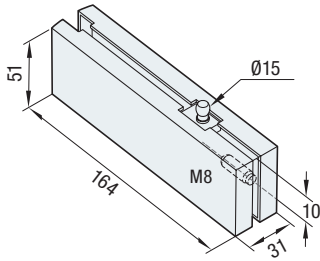
310 Bottom Patch Fitting



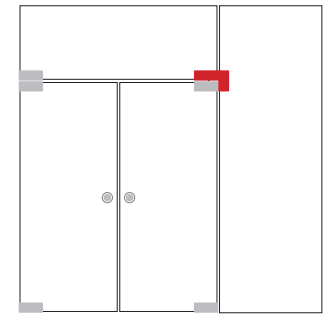
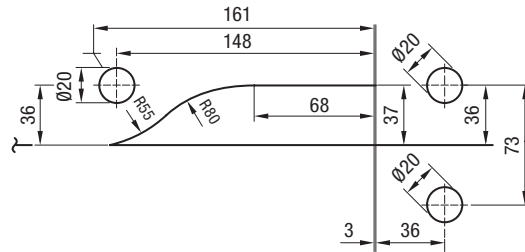
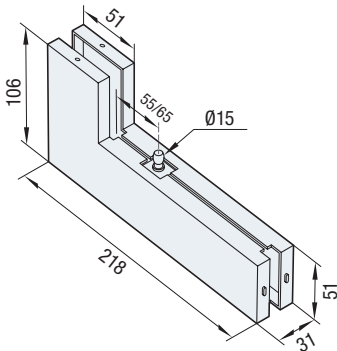
320 Top Patch Fitting



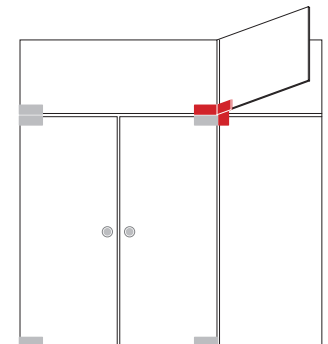
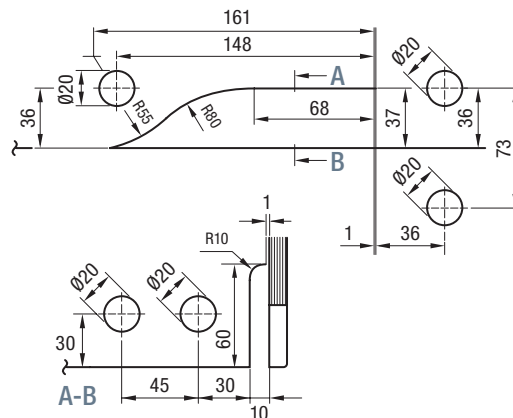
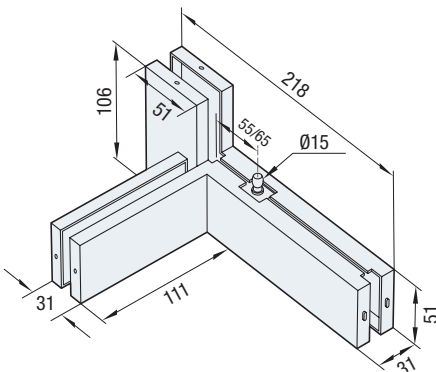
330 Overpanel Pivot Patch Fitting



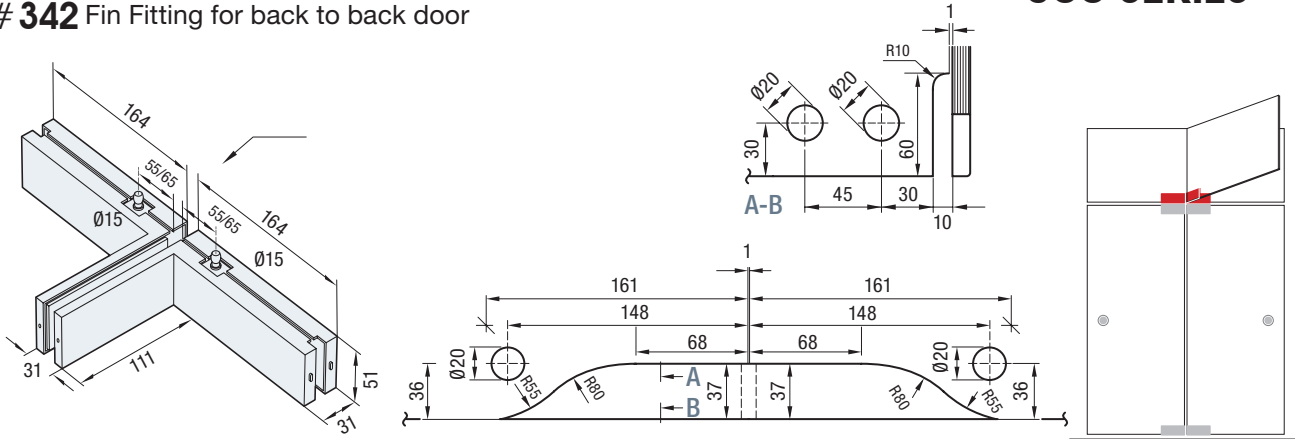
340 Overpanel to Sidepanel Pivot Patch Fitting



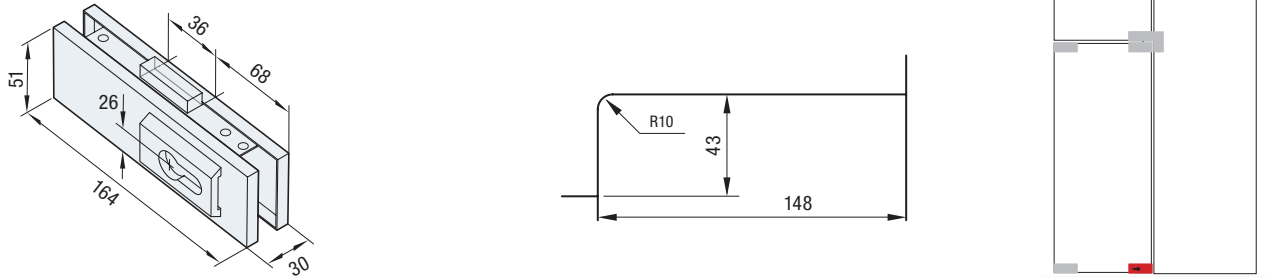
341 Fin Fitting for single door (Left Hand shown, RH reversed)



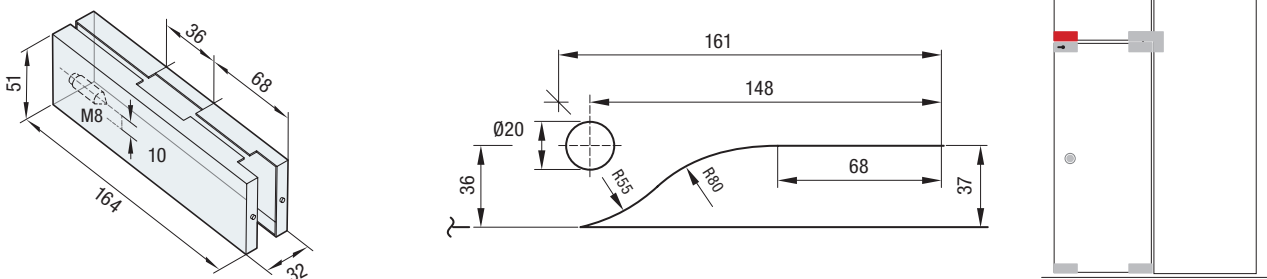
342 Fin Fitting for back to back door



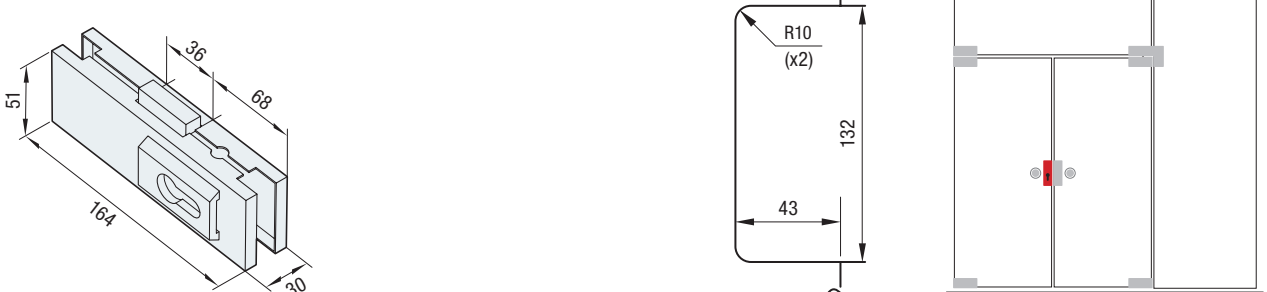
350 Bottom / Top Patch Lock Fitting



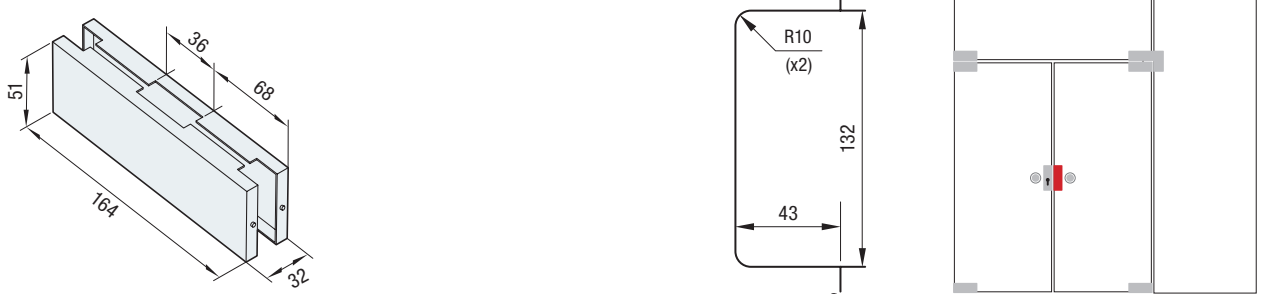
351 Lock Keeper of #350



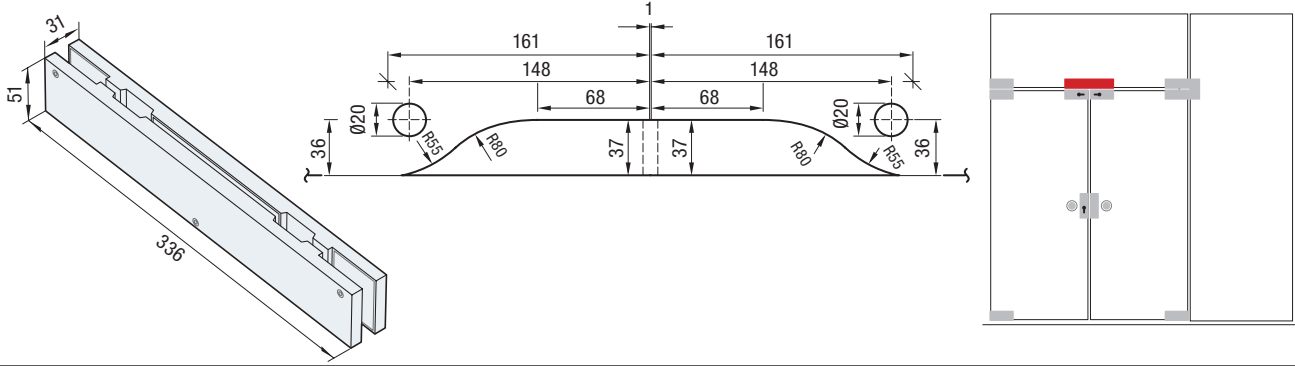
352 Center Patch Lock



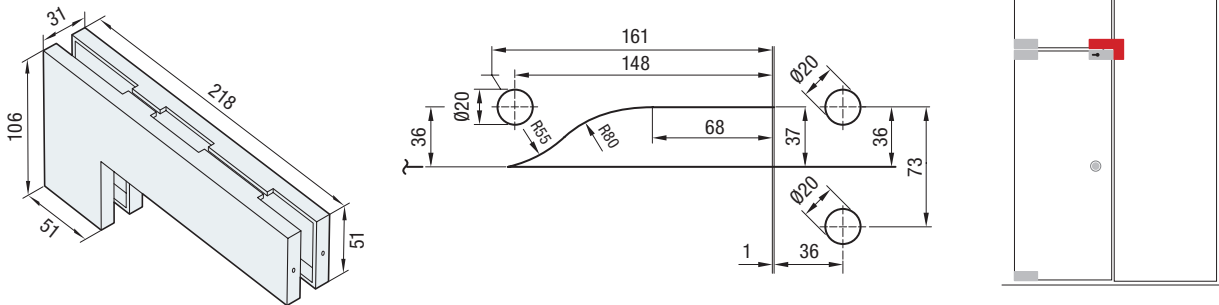
353 Lock Keeper of #352



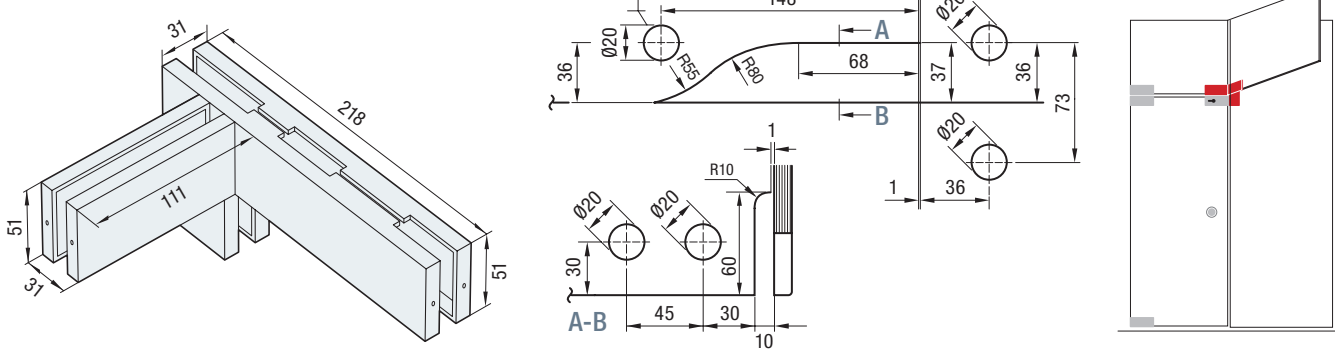
354 Overpanel Double Lock Keeper



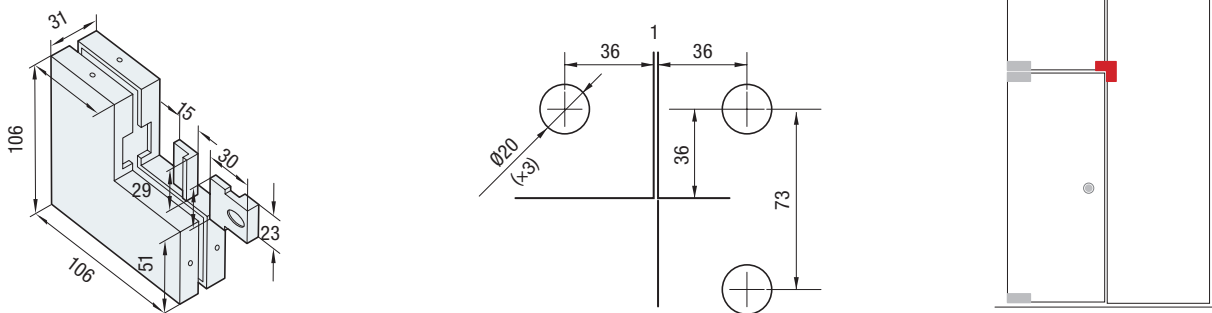
355 Over / Side Panel Lock Keeper



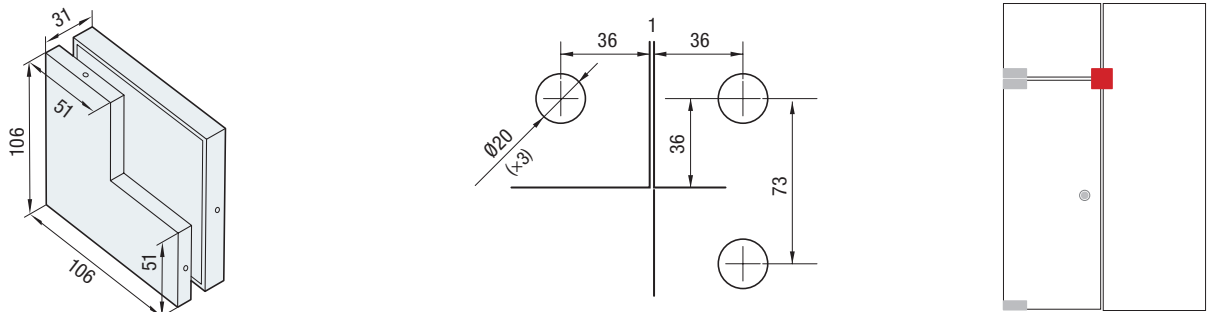
356 Fin Fitting Lock Keeper



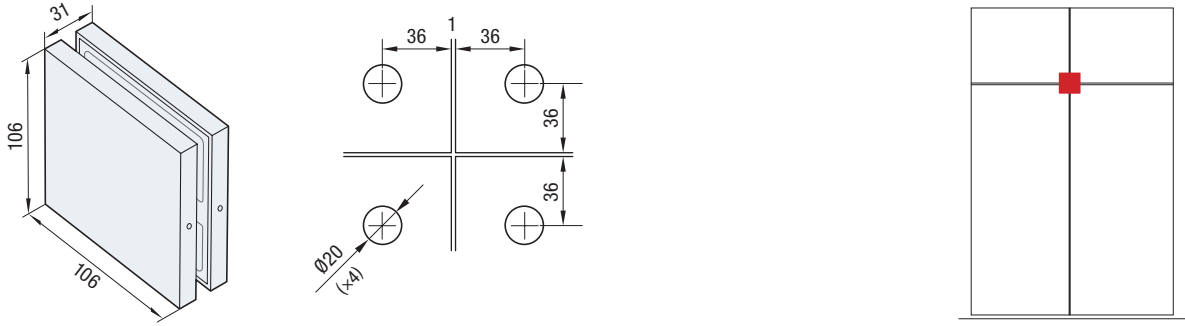
360 Angle Connector



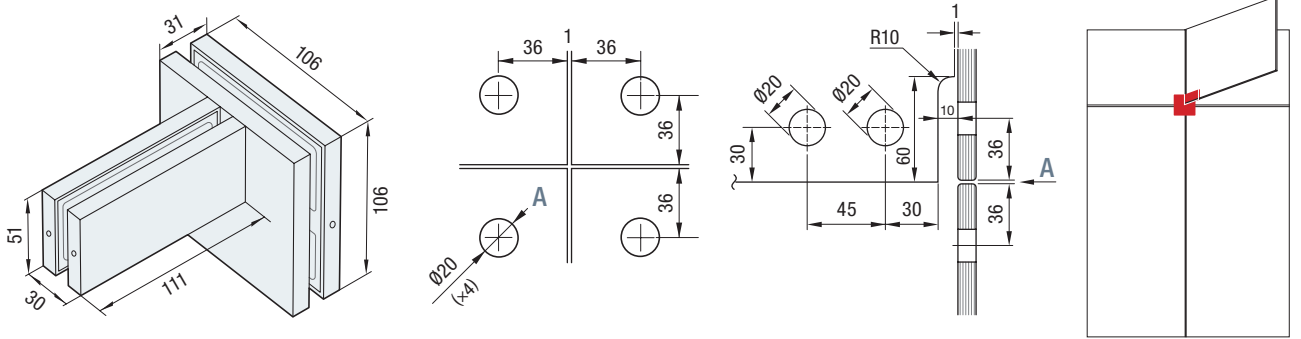
361 Connector with Stop



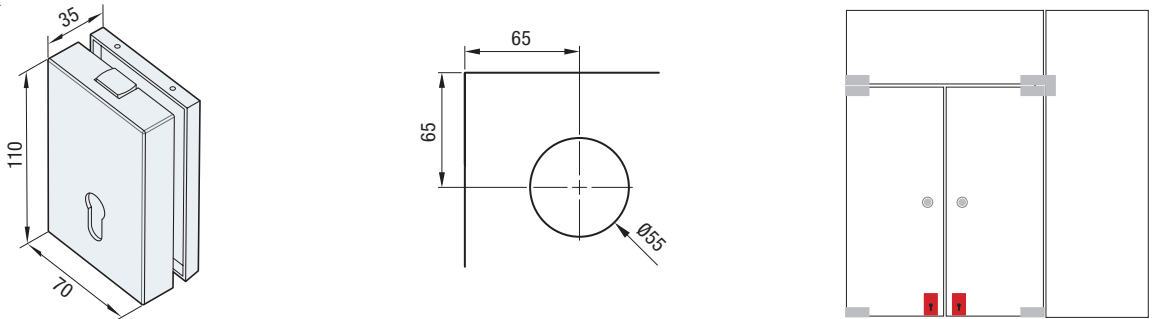
362 Square Connector



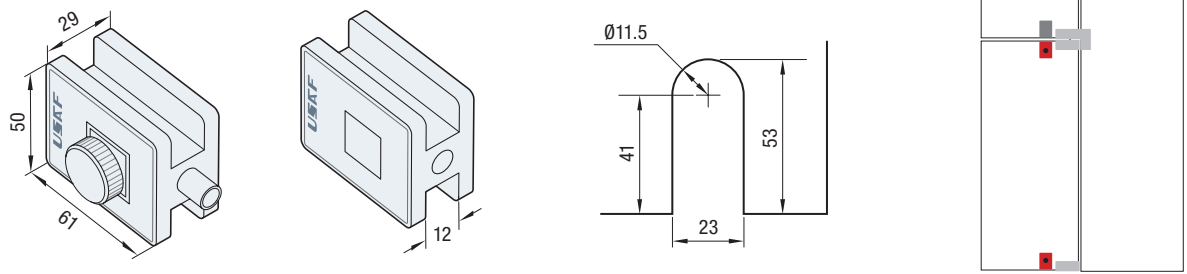
363 Square Connector With Fin



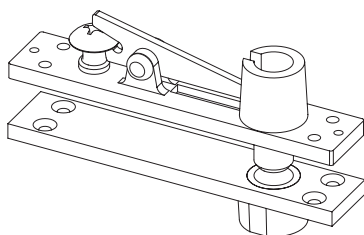
370 Lock



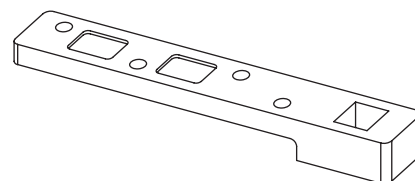
371 Top / Bottom Latch



631 Top Pivot



632 Bottom Strap



Hydraulic Patch fitting

FEATURES

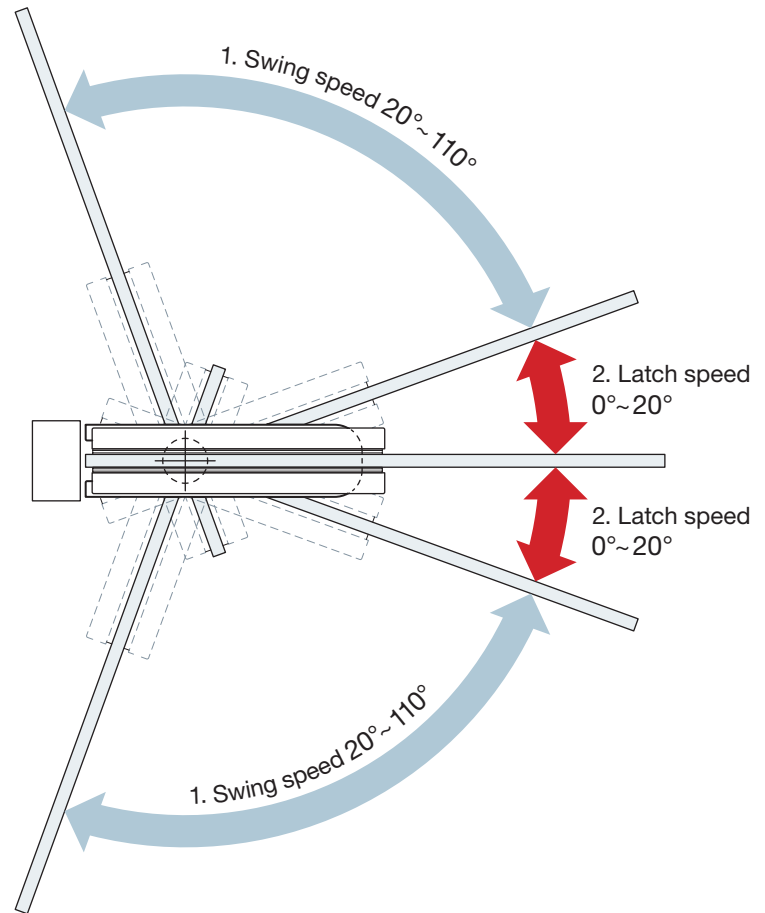
- Spring tension : EN3.
- Adjustable closing & latching speed.
- Maximum door opening angle at 110°
- Mechanical hold-open at 90° [optional upon request]
- Glass door width up to 1000 mm.
- Glass door weight up to 80 kgs.
- Glass door thickness 8~12 mm.

Application Ranges

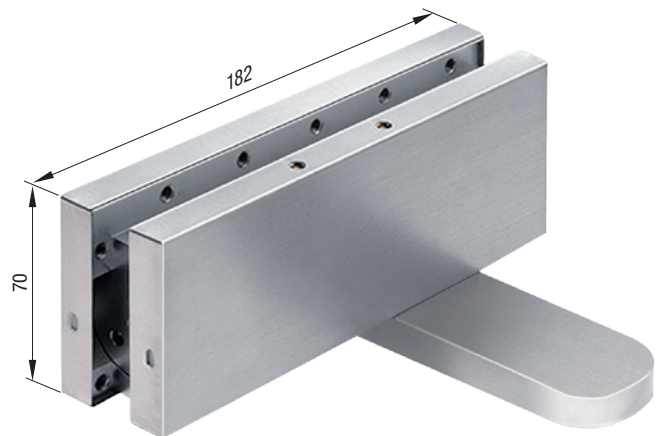
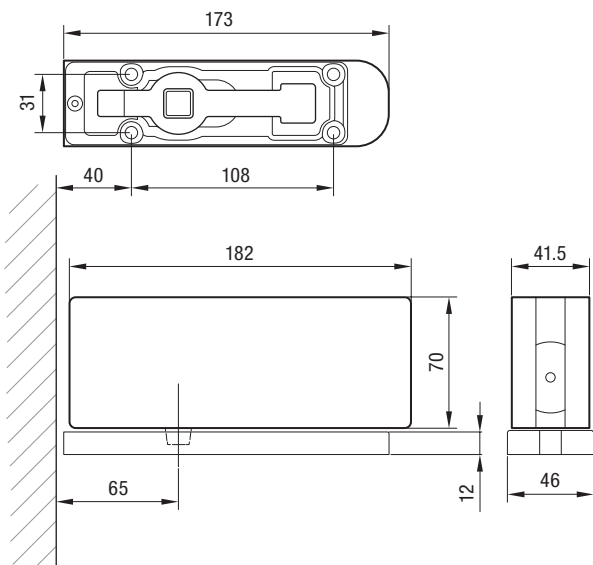
- Double action door.
- Available for light & medium duty door.
- Two non-critical control valves provide dual speed hydraulic closing.

Finishes

- SSS : Satin stainless steel.
- PSS : Polished Stainless steel.



Dimensions





FEATURES

- Double action.
- Total hydraulic control with maximum opening angle 130° in each direction.
- Adjustment valves of swinging speed and latching speed are fully independent, which will save time of adjustment.
- Securely designed speed adjustment valves protect Floor Spring from rough use or adverse weather conditions.
- The speed adjustment valves can not be backed out of Floor Spring when adjustment, that eliminates oil leakage from the valves.
- Reduced thickness of 40 mm only safely for thinner slab.
- Maximum door width 1100 mm, maxim door weight 100 kgs.

TECHNICAL DATA

Spring Tension		<i>Light</i>	<i>Medium</i>	<i>Heavy</i>
Closing Force (Nm)		20	25	33
Door width	850 mm	V		
	950 mm		V	
	1050 mm			V
Hold Open	90°	●	●	●
	105°	●	●	●
No Hold Open		●	●	●
Dimensions of cement case (mm)	L	307	307	307
	W	108	108	108
	H	40	40	40
Adjustment in cement case (mm)	L	7	7	7
	W	10	10	10
	H	4	4	4
Dimensions of cover plate		325 mm × 130 mm		

V : Standard

● : Option

Specify

- 1 Spring Tension:
Light, Medium, Heavy
- 2 Hold Open Angle 90°, 105°, No Hold Open.



FEATURES

- Double action.
- Interchangeable spindle tip, extension up to 50 mm. for all kinds of door bottom rails.
- Total hydraulic control with maximum opening angle 130° in each direction.
- Adjustment valves of swinging speed and latching speed are fully independent, which will save time of adjustment.
- Securely designed speed adjustment valves protect Floor Spring from rough use or adverse weather conditions.
- The speed adjustment valves can not be backed out of Floor Spring when adjustment, that eliminates oil leakage from the valves.
- Reduced thickness of 40 mm only safely for thinner slab.
- Maximum door width 1100 mm, maxim door weight 120 kgs.

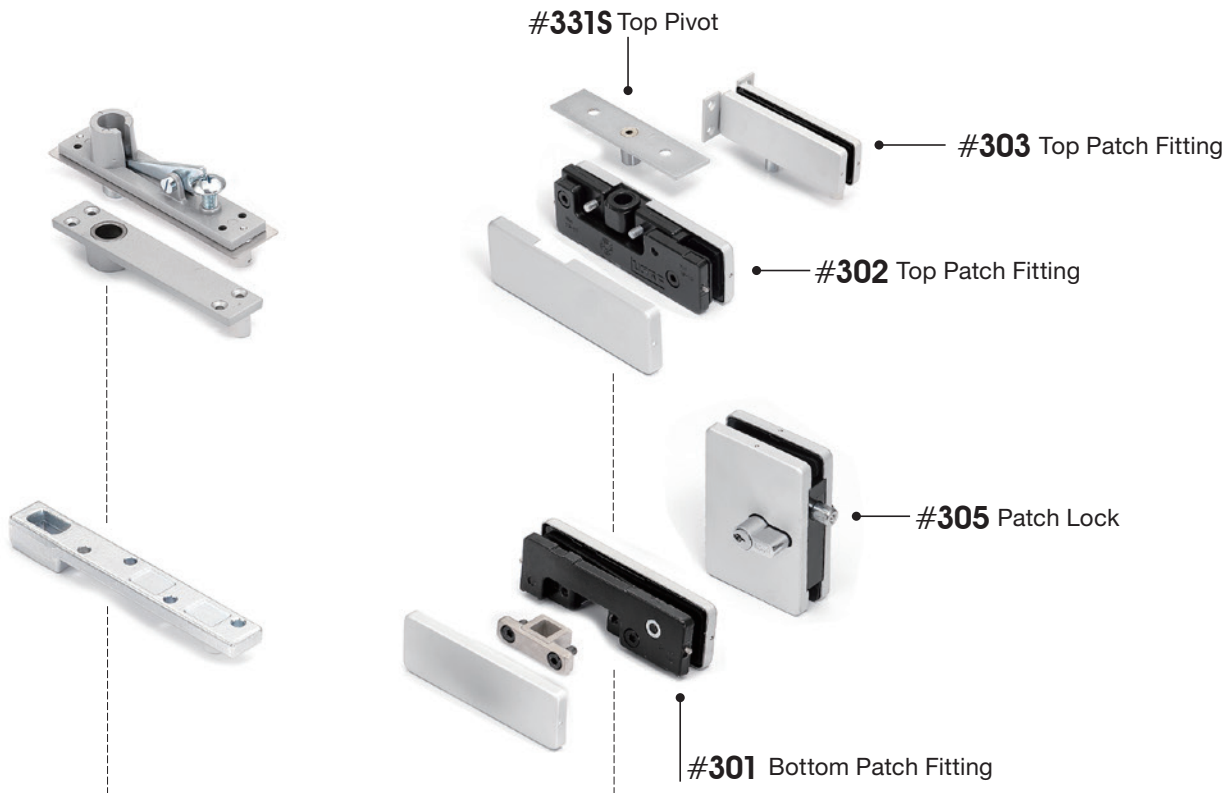
TECHNICAL DATA

Spring Tension		<i>Light</i>	<i>Medium</i>	<i>Heavy</i>
Closing Force (Nm)		20	25	33
Door width	850 mm	V		
	950 mm		V	
	1050 mm			V
Hold Open	90°	●	●	●
	105°	●	●	●
No Hold Open		●	●	●
Dimensions of cement case (mm)	L	307	307	307
	W	108	108	108
	H	40	40	40
Adjustment in cement case (mm)	L	7	7	7
	W	10	10	10
	H	4	4	4
Dimensions of cover plate		325 mm × 130 mm		

V : Standard

● : Option

- Specify**
- 1 Spring Tension:
Light, Medium, Heavy
 - 2 Hold Open Angle 90°, 105°, No Hold Open.



FEATURES

- Economic type, good for door width up to 900 mm.
- Adjustable Swing speed and latch speed independently Controlled by 2 valves.
- Dimensions of cement case: 274 mm × 97 mm × 40 mm.
- Dimensions of adjustment in cement case: 8 mm × 8 mm × 6 mm.
- Spring Tension: 20 Nm. Full open 130°.
- Dimension of cover plate: 290 mm × 116 mm.

- Specify**
- 1 90° hold open or no hold open.
 - 2 Spindle type.



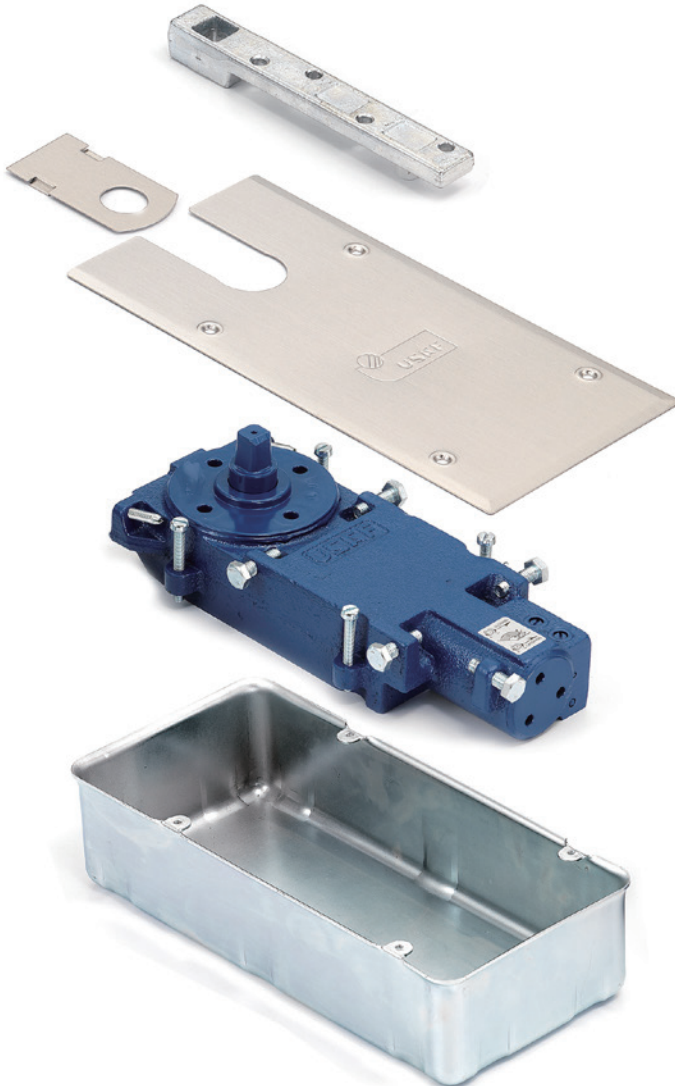
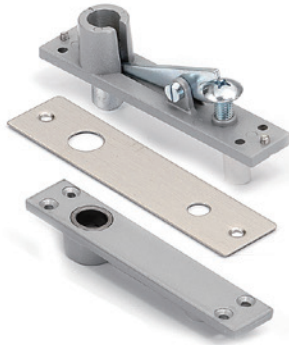
FEATURES

- Adjustable Spring Tension from EN1 to EN4.
- Supports door weight up to 150 kgs.
- Maximum door width 1100 mm.
- Back check, mechanical type.
- Interchangeable spindle tips, extension up to 50 cm.
- Swing speed from 180° to 15°, latch speed from 15° to 0°.
- Pressure Release Valve prevents damage to floor spring from the door uncontrolled slamming.
- Mechanical Back Check feature engages a “checking” action at approx. 70°~75° protecting the door from damage by any abusive opening.

TECHNICAL DATA

Spring Tension	EN1	EN2	EN3	EN4
Door width	800	900	1000	1100
Hold Open 90°	●	●	●	●
No Hold Open	●	●	●	●
Dimensions of cement case (mm)	L275 × W82 × H50			
Adjustment in cement case (mm)	L8 × W4			
Dimensions of cover plate (mm)	291 mm × 105 mm			

Specify Hold Open Angle.
90°, 105°, No Hold Open.



FEATURES

- Double action and single action.
- Swing speed and Latch speed are controlled independently by 2 valves.
- Full open 180°, Hydraulic control 110°
- Speed adjustment valve can not be backed out of closer when adjustment that eliminates oil leakage from valves.
- Stainless steel cover plate 292 mm × 148 mm available in polished SS, Satin SS and PVD.
- Spindle available in German rectangular, Italian square, Spanish rectangular.

TECHNICAL DATA

Spring Tension		<i>Light</i>	<i>Medium</i>	<i>Heavy</i>
Closing Force (Nm)		20	25	30
Door width	900 mm	✓		
	1000 mm		✓	
	1100 mm			✓
Door weight (Kg)		80	90	100
Hold Open	90°	●	●	●
	No Hold Open	●	●	●
Dimensions of cement case (mm)		L277 × W130 × H70		
Adjustment in cement case (mm)		L8 × W5 × H16		
Dimensions of cover plate		148 mm × 292 mm		

✓ : Standard

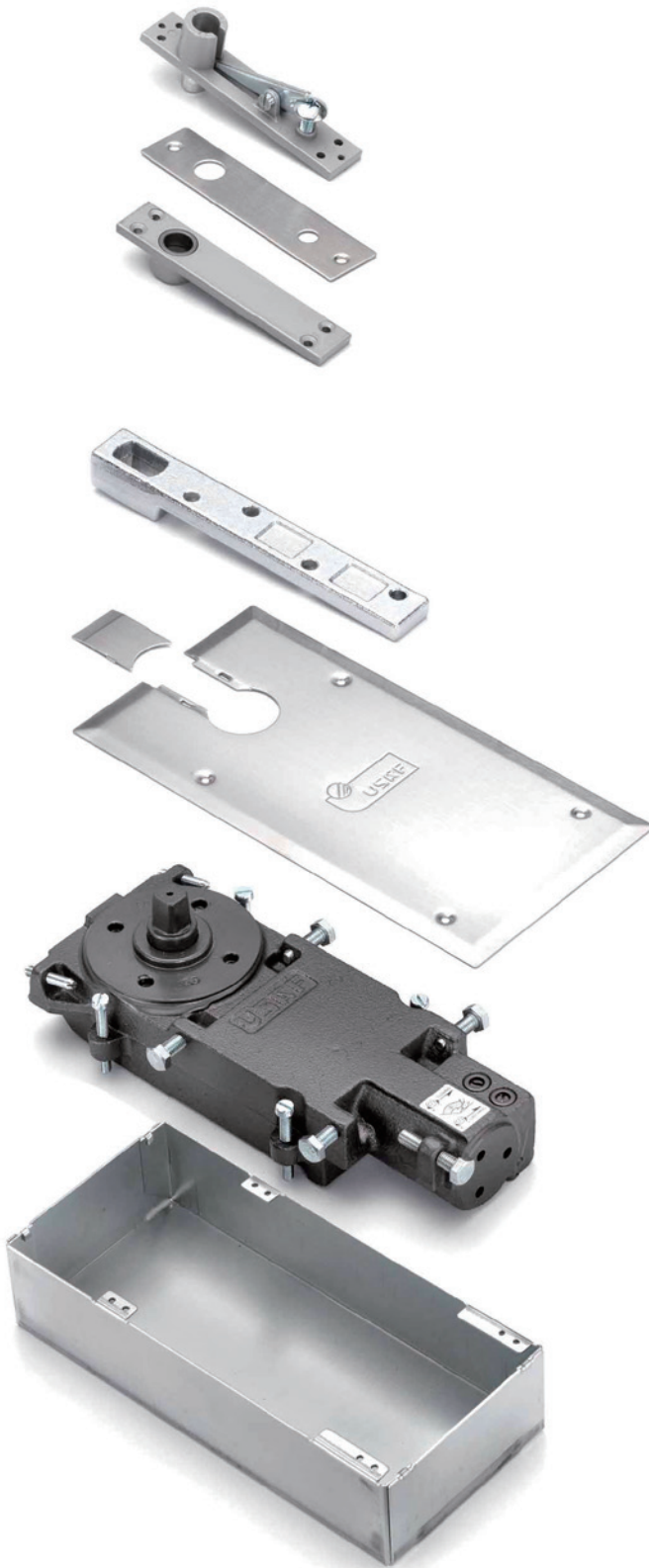
● : Option

Specify

1 Spring Tension:

Light, Medium, Heavy

2 90° Hold Open or No Hold Open.



FEATURES

- Double action.
- Swing speed and Latch speed are controlled independently by 2 valves.
- Full open 180°, Hydraulic control 110°.
- Speed adjustment valve can not be backed out of closer when adjustment that eliminates oil leakage from valves.
- Stainless steel cover plate 306 mm × 156 mm available in polished SS, Satin SS and PVD.
- Spindle available in German rectangular, Italian square, Spanish rectangular.

TECHNICAL DATA

Spring Tension		<i>Light</i>	<i>Medium</i>	<i>Heavy</i>
Closing Force (Nm)		20	25	30
Door width	900 mm	✓		
	1000 mm		✓	
	1100 mm			✓
Door weight (Kg)		80	90	100
Hold Open	90°	●	●	●
	No Hold Open	●	●	●
Dimensions of cement case (mm)		L277 × W130 × H70		
Adjustment in cement case (mm)		L8 × W5 × H16		
Dimensions of cover plate		306 mm × 156 mm		

✓ : Standard

● : Option

Specify

1 Spring Tension:

Light, Medium, Heavy

2 90° Hold Open or No Hold Open.



FEATURES

- Double action.
- Total hydraulic control with maximum opening angle 130° in each direction.
- Fully independent swinging and latching speed adjustment valves will save time of adjustment.
- The speed adjustment valves can not be backed out of Floor Spring when adjustment that eliminates oil leakage from the valves.
- Two kinds of adjustment ensure door on exact vertical alignment:
 1. Adjustable top pivot.
 2. Adjustment screws in cement case.
- Securely designed speed adjustment valves protect Floor Spring from rough use or adverse weather conditions.
- Maximum door weight 100 kgs.

TECHNICAL DATA

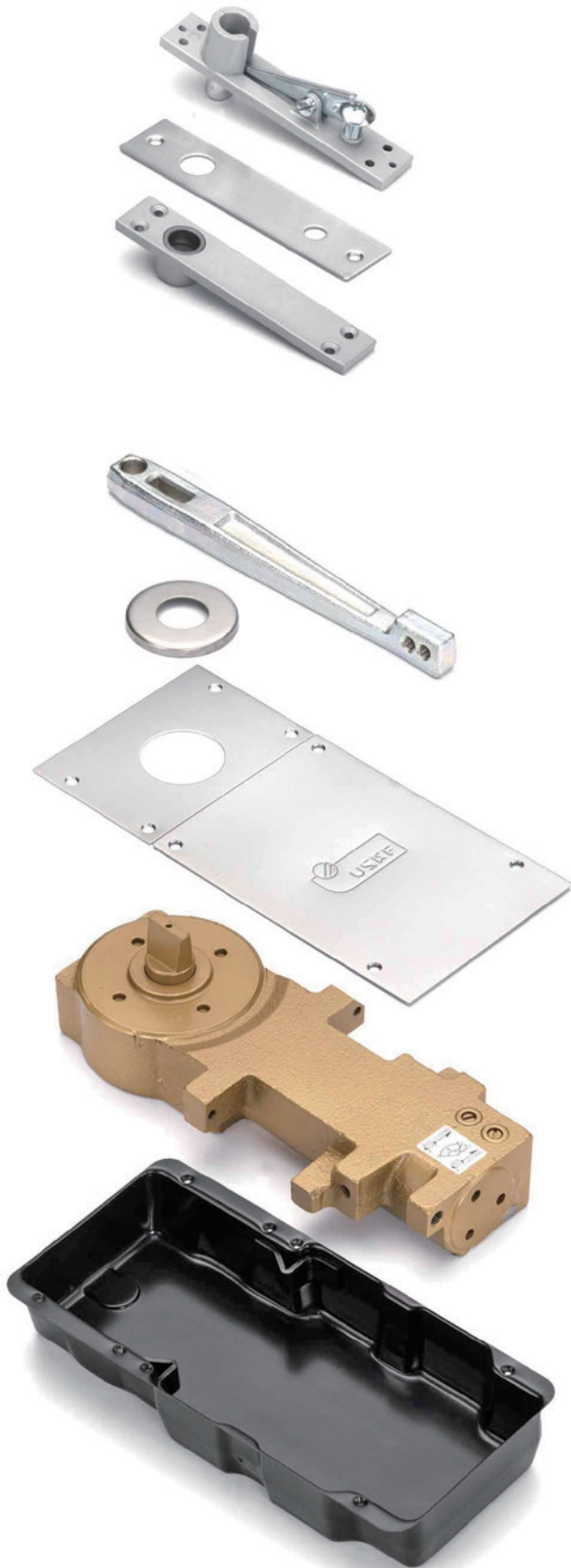
Spring Tension		<i>Light</i>	<i>Medium</i>	<i>Heavy</i>
Closing Force (Nm)		20	25	30
Door width	900 mm	✓		
	1000 mm		✓	
	1100 mm			✓
Hold Open	90°	●	●	●
	No Hold Open	●	●	●
Dimensions of cement case (mm)	L	297	297	297
	W	145	145	145
	H	48	48	48
Adjustment in cement case		L6 mm × W6 mm		
Dimensions of cover plate		146 mm × 308 mm		

✓: Standard

●: Option

Specify

- 1 Spring Tension:
Light, Medium, Heavy
- 2 Hold Open Angle 90°, No Hold Open.



FEATURES

- Double action.
- Total hydraulic control with maximum opening angle 130° in each direction.
- Fully independent swinging and latching speed adjustment valves will save time of adjustment.
- The speed adjustment valves can not be backed out of Floor Spring when adjustment that eliminates oil leakage from the valves.
- Two kinds of adjustment ensure door on exact vertical alignment:
 1. Adjustable top pivot.
 2. Adjustment screws in cement case.
- Securely designed speed adjustment valves protect Floor Spring from rough use or adverse weather conditions.
- Maximum door weight 100 kgs.

TECHNICAL DATA

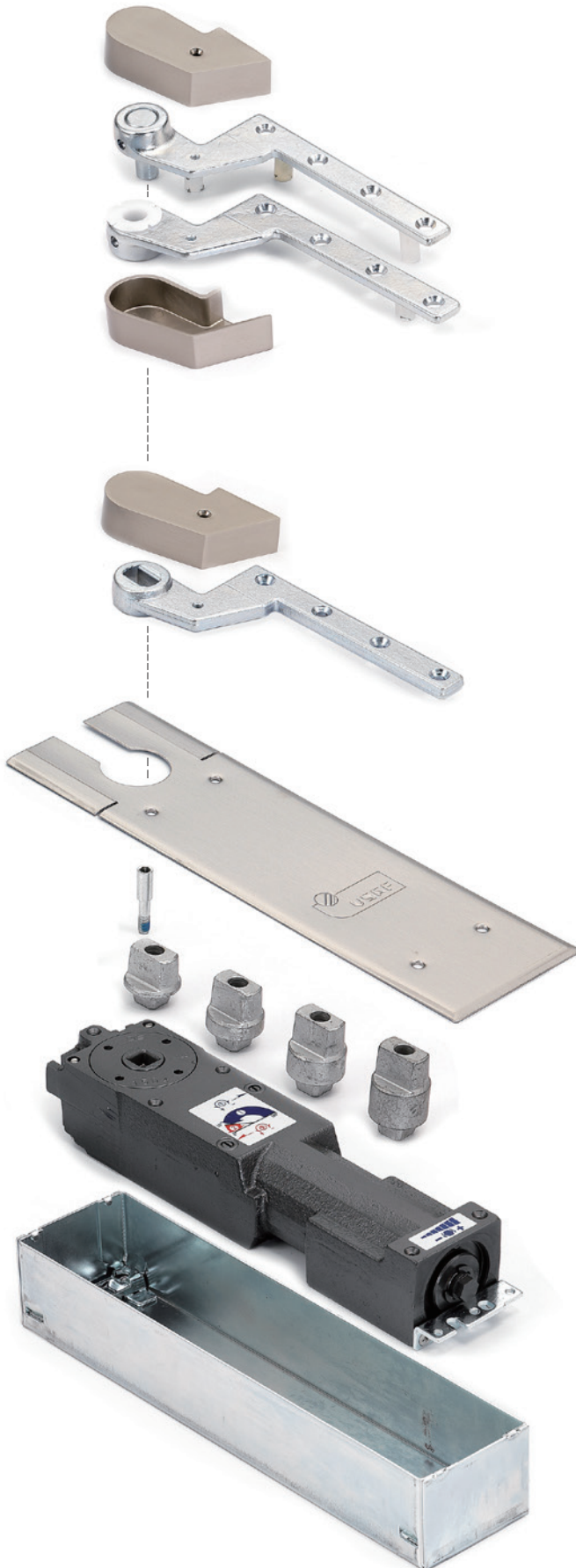
Spring Tension		<i>Light</i>	<i>Medium</i>	<i>Heavy</i>
Closing Force (Nm)		20	25	30
Door width	900 mm	✓		
	1000 mm		✓	
	1100 mm			✓
Hold Open	90°	●	●	●
No Hold Open		●	●	●
Dimensions of cement case (mm)	L	283	283	283
	W	132	132	132
	H	47.5	47.5	47.5
Adjustment in cement case		L10 mm × W10 mm		
Dimensions of cover plate		134 mm × 284 mm		

✓ : Standard

● : Option

Specify

- 1 Spring Tension:
Light, Medium, Heavy
- 2 Hold Open Angle 90°, No Hold Open.



FEATURES

- Adjustable Spring Tension from 23 Nm to 58 Nm. (EN3~EN6)
- Supports door weight up to 300 kgs, door width 1.4 meters.
- Efficiency up to 65%.
- Interchangeable spindle tips extension from 5 mm, 10 mm... to 50 mm.
- Swing speed from 180° to 15°, latch speed from 15° to 0°.
- Pressure Release Valve prevents damage to floor spring from the door uncontrolled slamming.
- Mechanical Back Check feature engages a “checking” action at approx. 70°~75° protecting the door from damage by any abusive opening.
- Cement case 341 mm × 78 mm × 60 mm.
- Adjustment in cement case L6 mm × W6 mm.
- Coverplate: 105 mm × 358 mm.
- Single action for fire door. Full open 180°, no hold open.

Specify Hold Open Angle.
90°, 105°, No Hold Open.

FEATURES

- ANSI Grade 1. Endurance 2,000,000 cycles.
- Completely concealed in the aluminum transom bar in dimensions as small as 1-3/4" x 4"
- Total hydraulic control with maximum opening angle 90°, 105° or 130° in each direction.
- Adjustment valves of swinging speed and latching speed are fully independent which will save time of adjustment.
- Securely designed speed adjustment valves protect closer from rough use or adverse weather conditions.
- The speed adjustment valves cannot be backed out of Closer when adjustment. The design eliminates oil leakage from the valves.



TECHNICAL DATA

Spring Tension		<i>Light</i>	<i>Medium</i>	<i>Heavy</i>
Door	width	30"	42"	48"
	height	96"	96"	96"
Maximum Opening	90°	●	●	●
	105°	●	●	●
	130°	●	●	●
Hold Open	90°	●	●	●
	105°	●	●	●
Hold Open		●	●	●

V: Standard

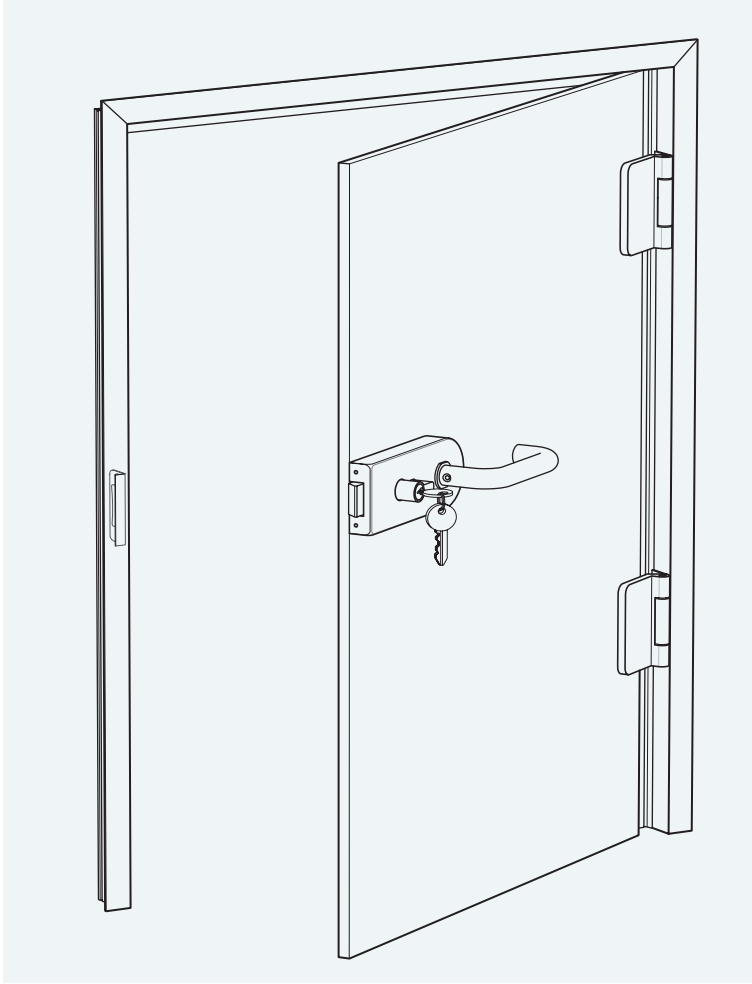
● : Option

Specify

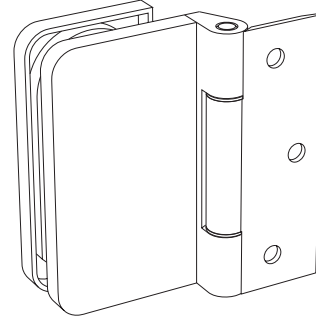
1 Spring Tension:

Light, Medium, Heavy

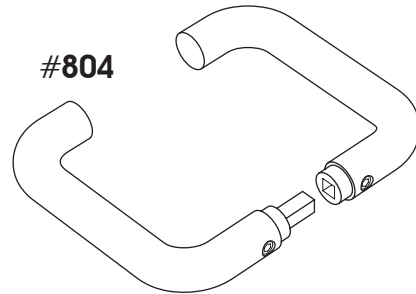
2 Hold Open Angle 90°, 105°, No Hold Open.



#801



#804



Specify

Specify the following parts number when ordering.

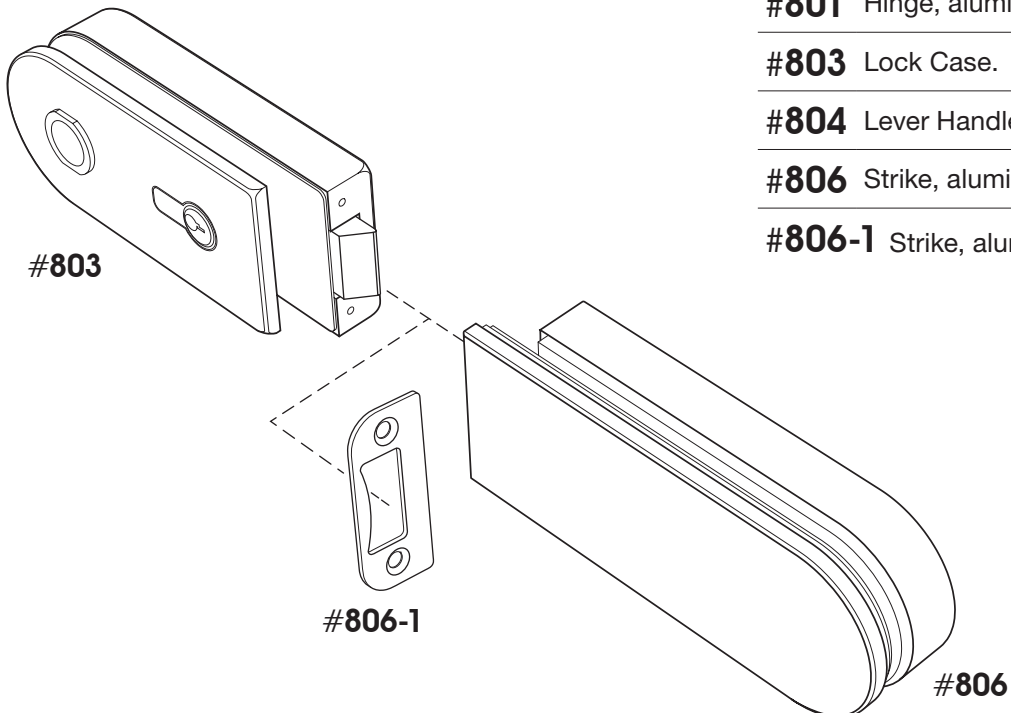
#801 Hinge, aluminum.

#803 Lock Case.

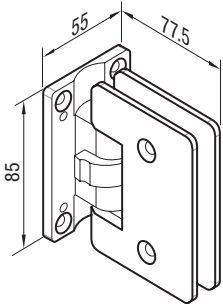
#804 Lever Handle, aluminum.

#806 Strike, aluminum.

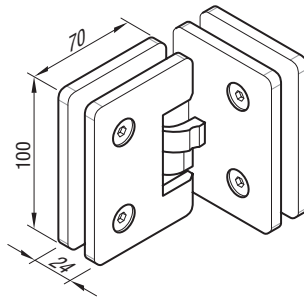
#806-1 Strike, aluminum.



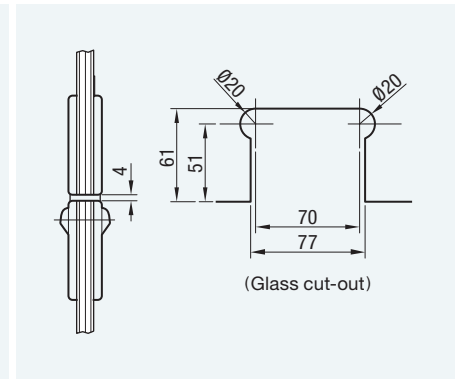
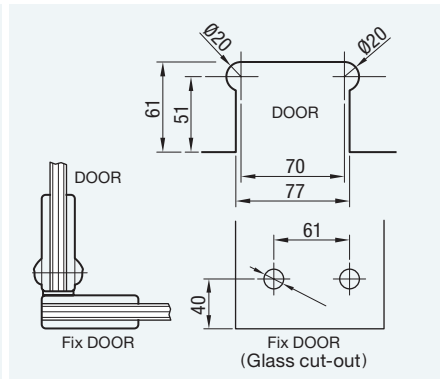
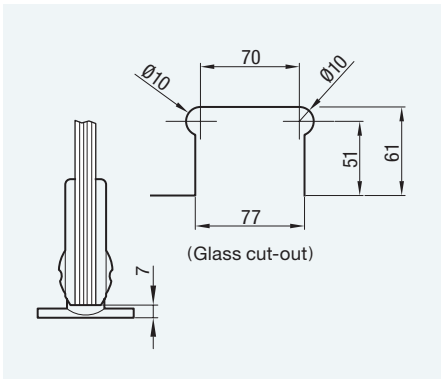
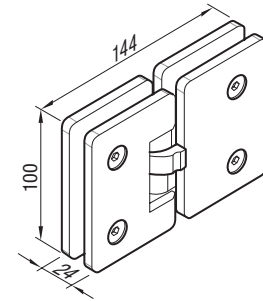
G-W90°



G-G90°

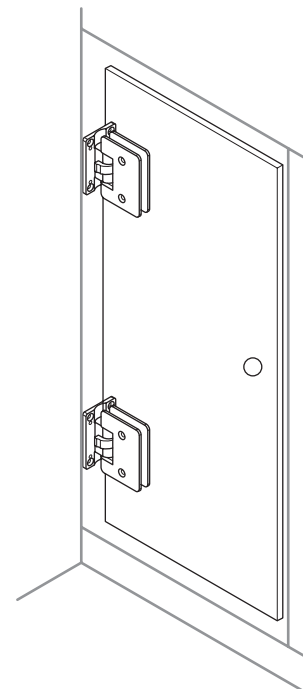


G-G180°



FEATURES

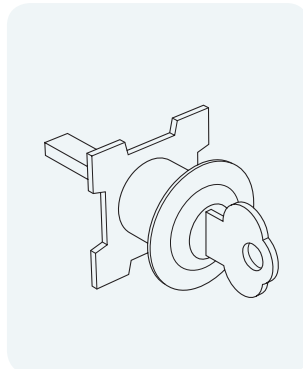
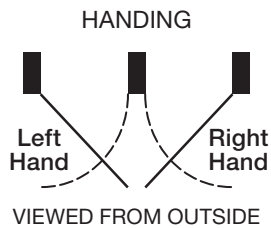
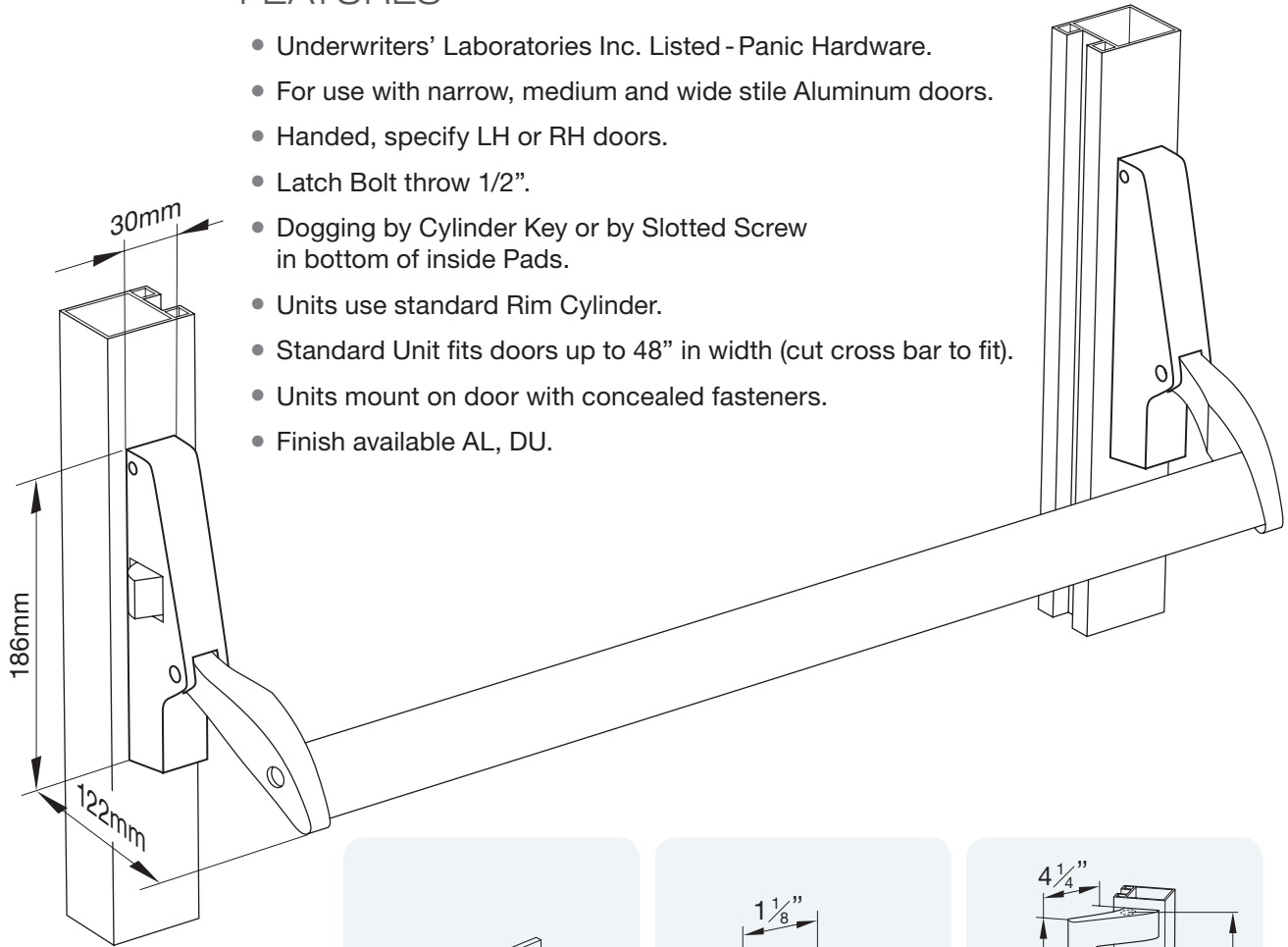
- Material : Brass.
- Automatic closing from 85° ~ 0°.
- Double action, 90° Hold Open.
- Door weight up to 60 kgs, width 900 mm.
- Glass panel thickness 8 mm ~ 12 mm.
- Spring tension is adjustable for doors less than 900mm.
- Finish available :
Polished Chrome (PC)
Satin Chrome (SC)



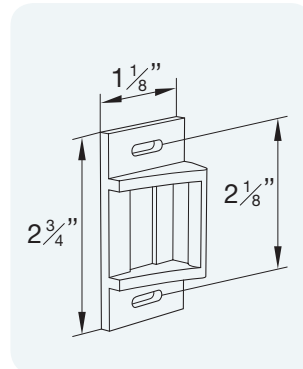


FEATURES

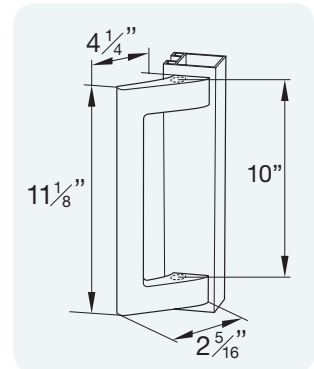
- Underwriters' Laboratories Inc. Listed - Panic Hardware.
- For use with narrow, medium and wide stile Aluminum doors.
- Handed, specify LH or RH doors.
- Latch Bolt throw 1/2".
- Dogging by Cylinder Key or by Slotted Screw in bottom of inside Pads.
- Units use standard Rim Cylinder.
- Standard Unit fits doors up to 48" in width (cut cross bar to fit).
- Units mount on door with concealed fasteners.
- Finish available AL, DU.



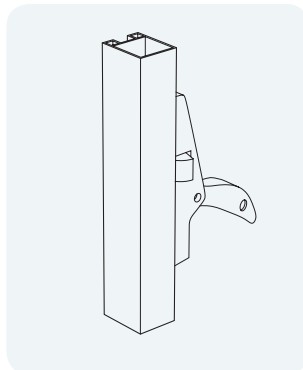
911 Rim Cylinder



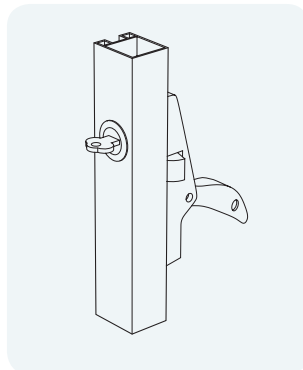
914 Standard Surface Roller Strike



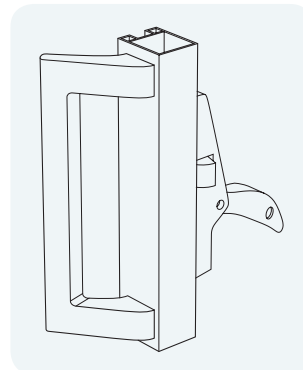
915 Outside Pull Handle



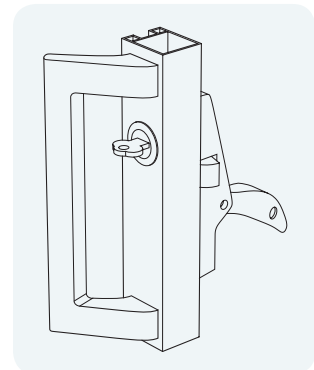
910-1 Exit Unit Only, No Outside Hardware



910-2 Unit with Rim Cylinder



910-3 Unit with Outside Pull Handle

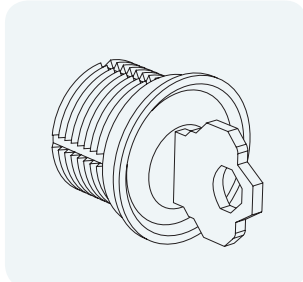
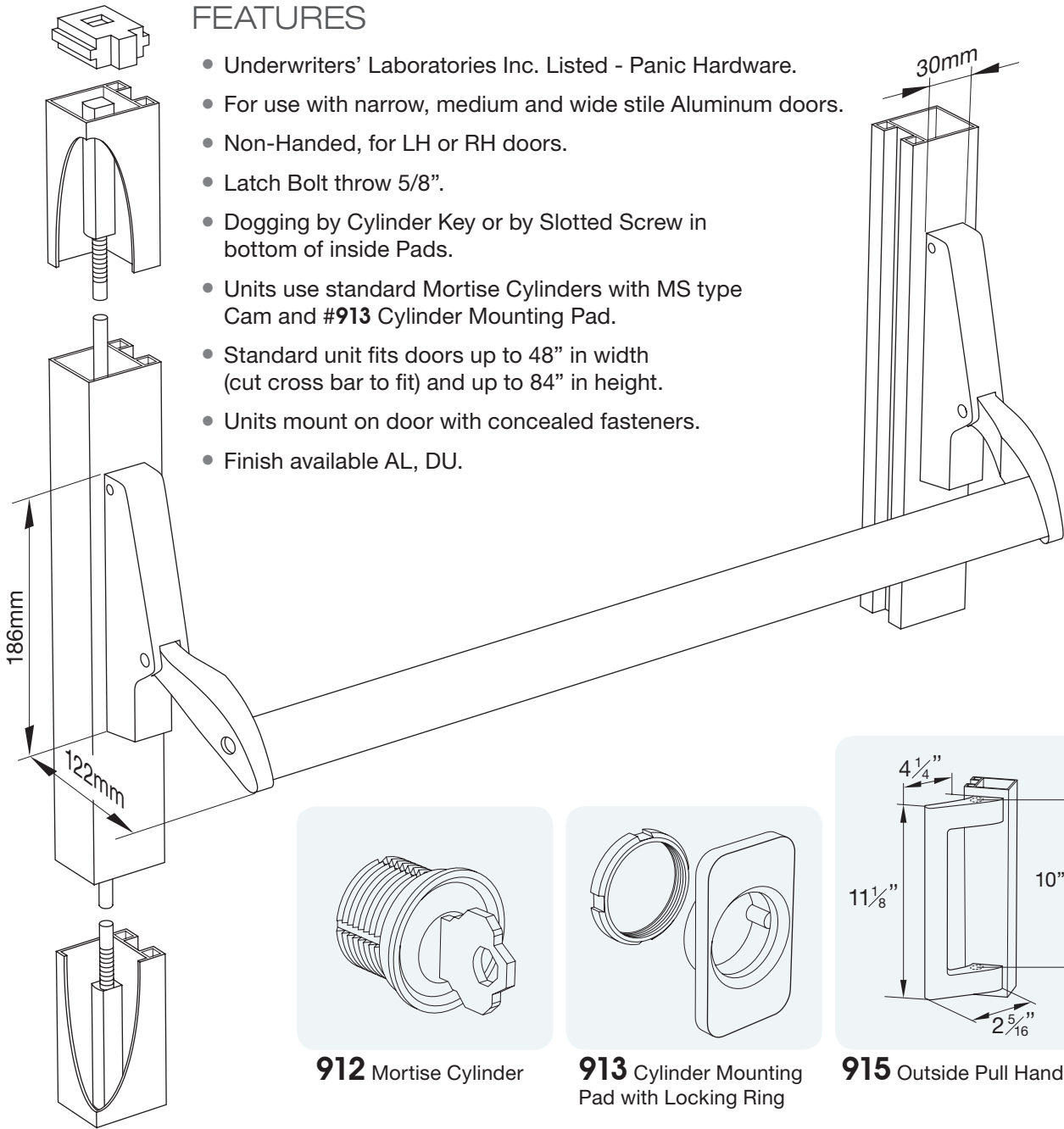


910-4 Unit with Rim Cylinder and Outside Pull Handle

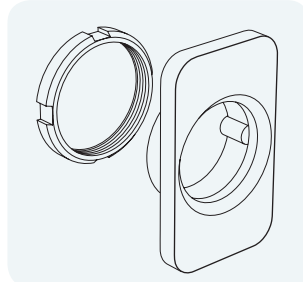


FEATURES

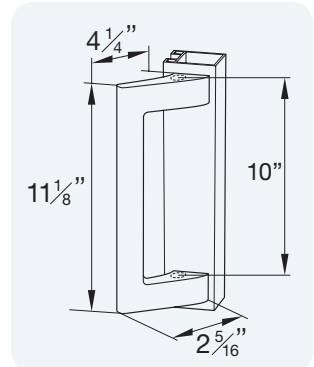
- Underwriters' Laboratories Inc. Listed - Panic Hardware.
- For use with narrow, medium and wide stile Aluminum doors.
- Non-Handed, for LH or RH doors.
- Latch Bolt throw 5/8".
- Dogging by Cylinder Key or by Slotted Screw in bottom of inside Pads.
- Units use standard Mortise Cylinders with MS type Cam and #913 Cylinder Mounting Pad.
- Standard unit fits doors up to 48" in width (cut cross bar to fit) and up to 84" in height.
- Units mount on door with concealed fasteners.
- Finish available AL, DU.



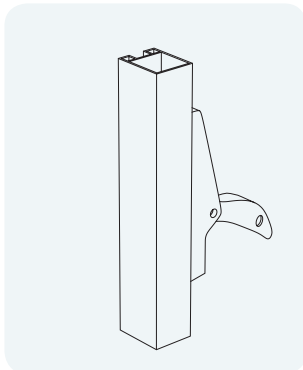
912 Mortise Cylinder



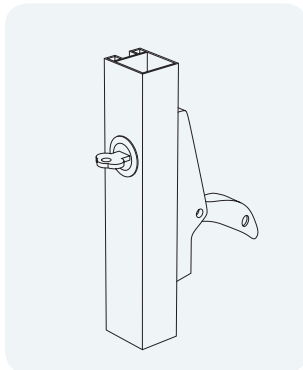
913 Cylinder Mounting Pad with Locking Ring



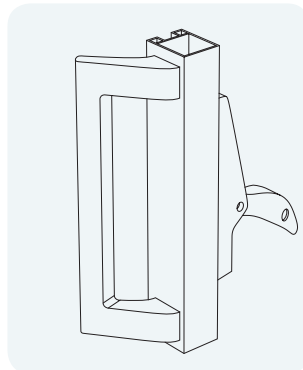
915 Outside Pull Handle



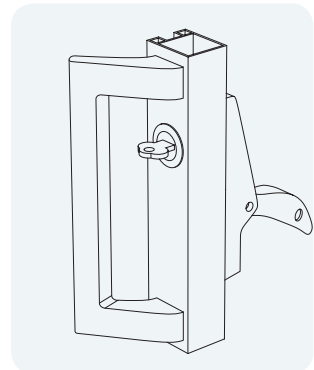
920-1 Exit Unit Only, No Outside Hardware



920-2 Unit with Cylinder and Cylinder Mounting Pad



920-3 Unit with Outside Pull Handle



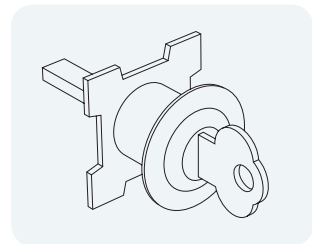
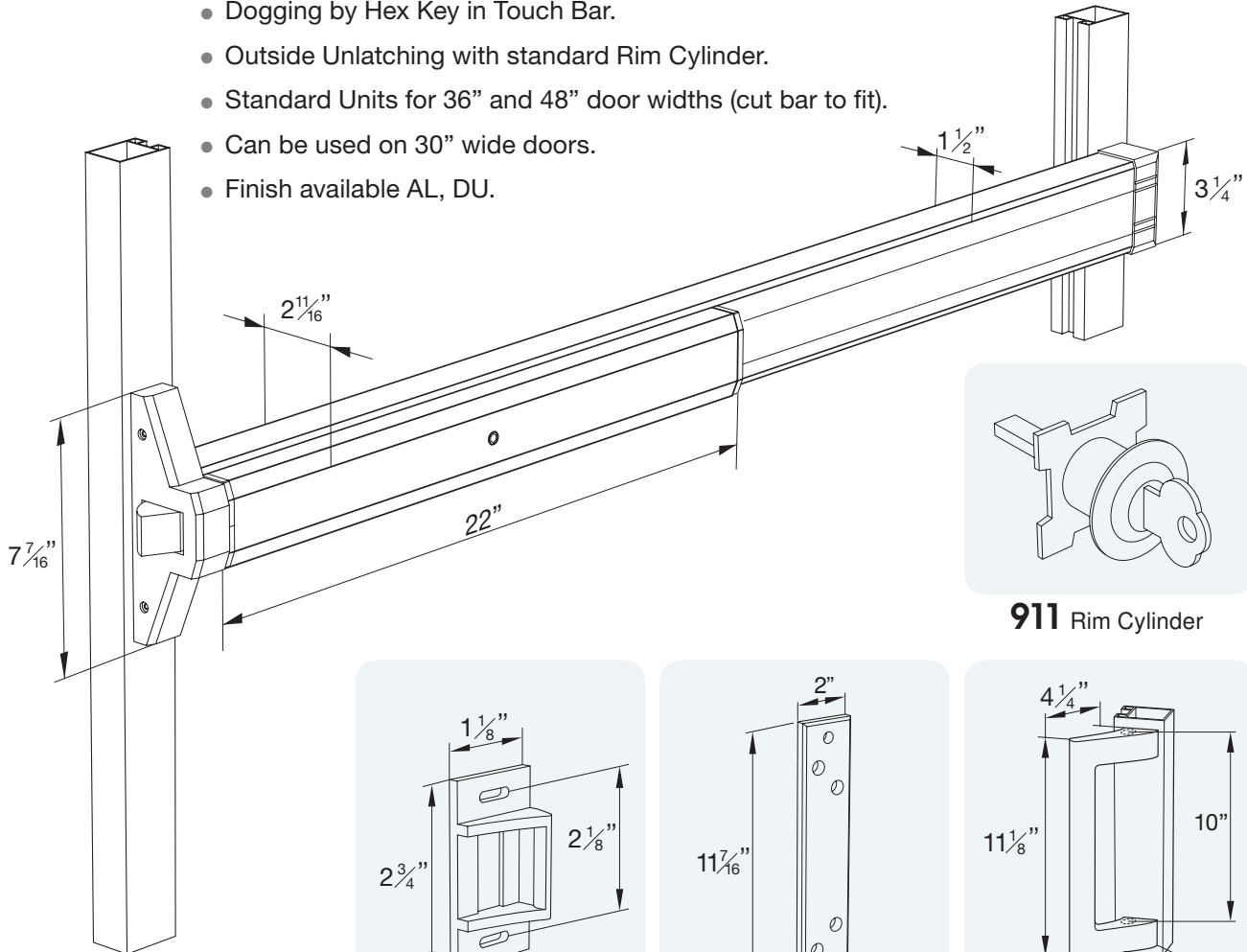
920-4 Unit with Cylinder, Cylinder Mounting Pad and Outside Pull Handle

930 SERIES RIM TYPE

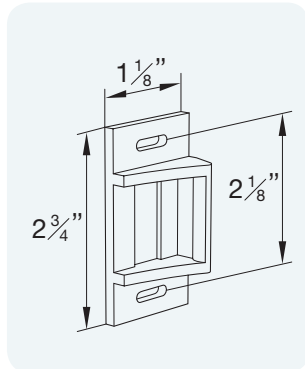


FEATURES

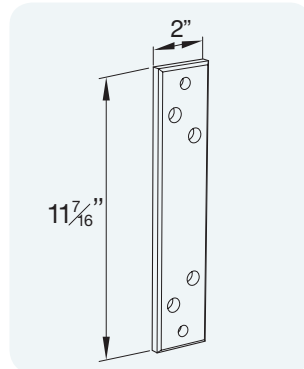
- Underwriters' Laboratories Inc. Listed - Panic Hardware.
- For use with narrow, medium and wide stile Aluminum doors, Hollow Metal or Wood doors.
- Non-handed, for LH or RH doors.
- Latch Bolt throw 5/8".
- Dogging by Hex Key in Touch Bar.
- Outside Unlatching with standard Rim Cylinder.
- Standard Units for 36" and 48" door widths (cut bar to fit).
- Can be used on 30" wide doors.
- Finish available AL, DU.



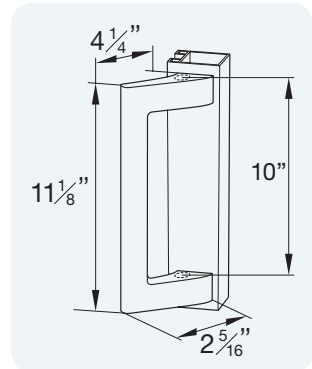
911 Rim Cylinder



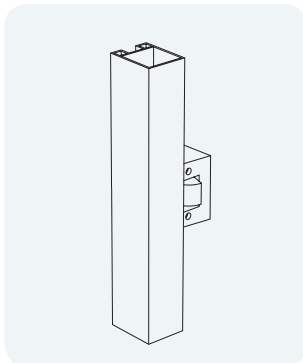
914 Standard Surface Roller Strike



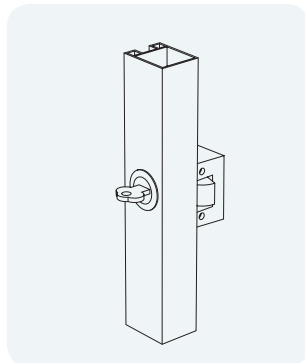
916 Pull Handle Mounting Plate for Wood or Metal Doors



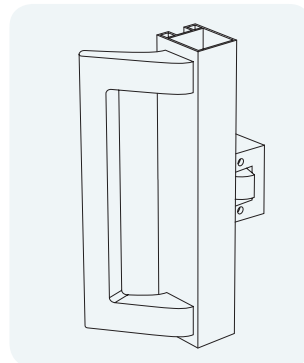
915 Outside Pull Handle



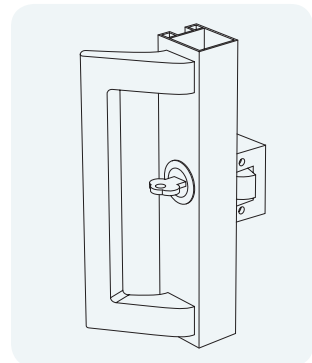
930-1 Exit Unit Only, No Outside Hardware



930-2 Unit with Rim Cylinder



930-3 Unit with Outside Pull Handle



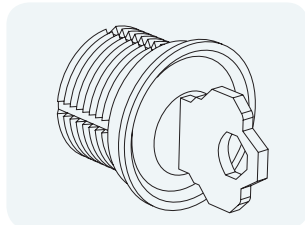
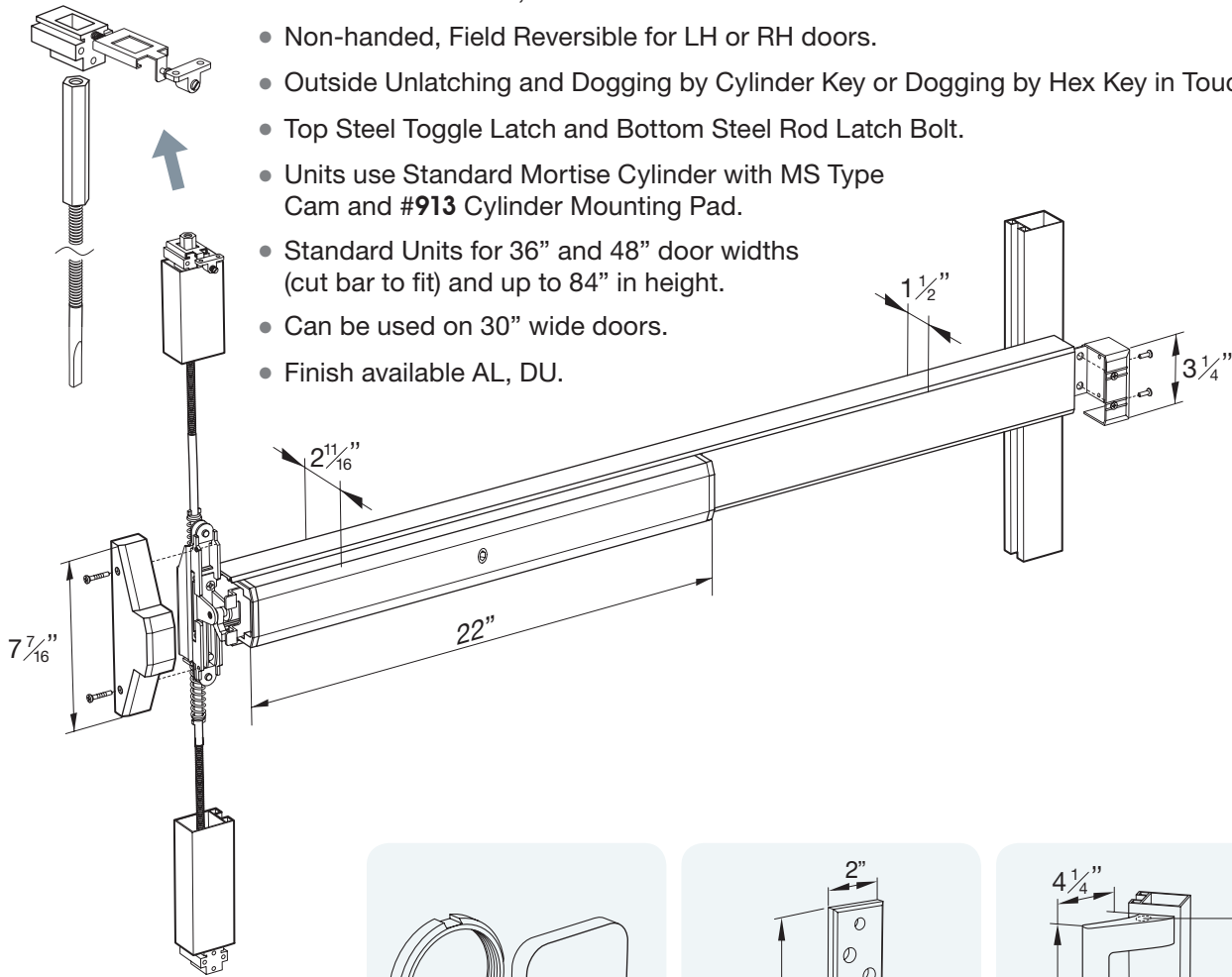
930-4 Unit with Rim Cylinder and Outside Pull Handle



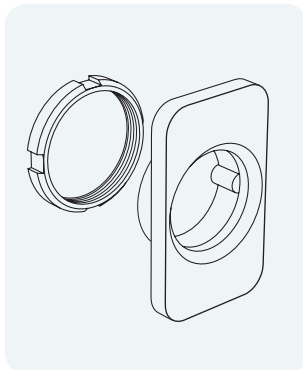
FEATURES

CONCEALED VERTICAL ROD

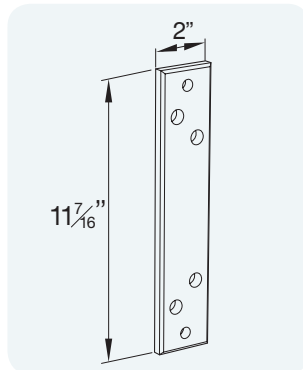
- Underwriters' Laboratories Inc. Listed - Panic Hardware.
- For use with narrow, medium and wide stile Aluminum doors.
- Non-handed, Field Reversible for LH or RH doors.
- Outside Unlatching and Dogging by Cylinder Key or Dogging by Hex Key in Touch Bar.
- Top Steel Toggle Latch and Bottom Steel Rod Latch Bolt.
- Units use Standard Mortise Cylinder with MS Type Cam and #913 Cylinder Mounting Pad.
- Standard Units for 36" and 48" door widths (cut bar to fit) and up to 84" in height.
- Can be used on 30" wide doors.
- Finish available AL, DU.



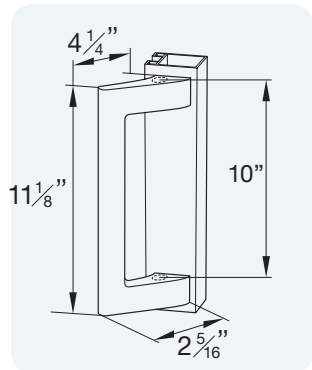
912 Mortise Cylinder



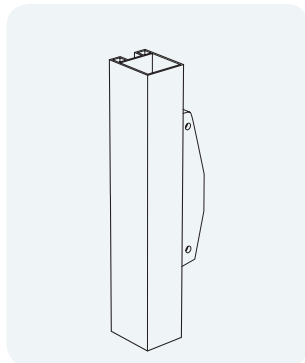
913 Cylinder Mounting Pad with Locking Ring



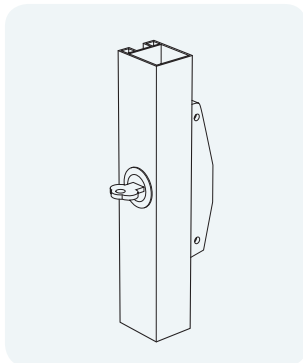
916 Pull Handle Mounting Plate for Wood or Metal Doors



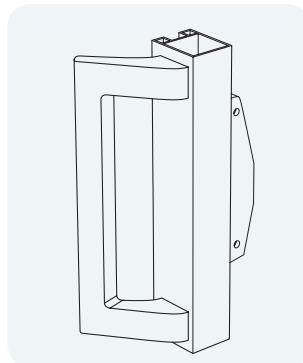
915 Outside Pull Handle



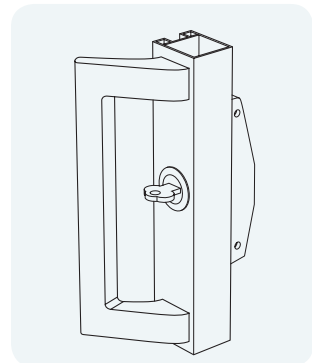
940-1 Exit Unit Only, No Outside Hardware



940-2 Unit with Cylinder & Cylinder Mounting Pad

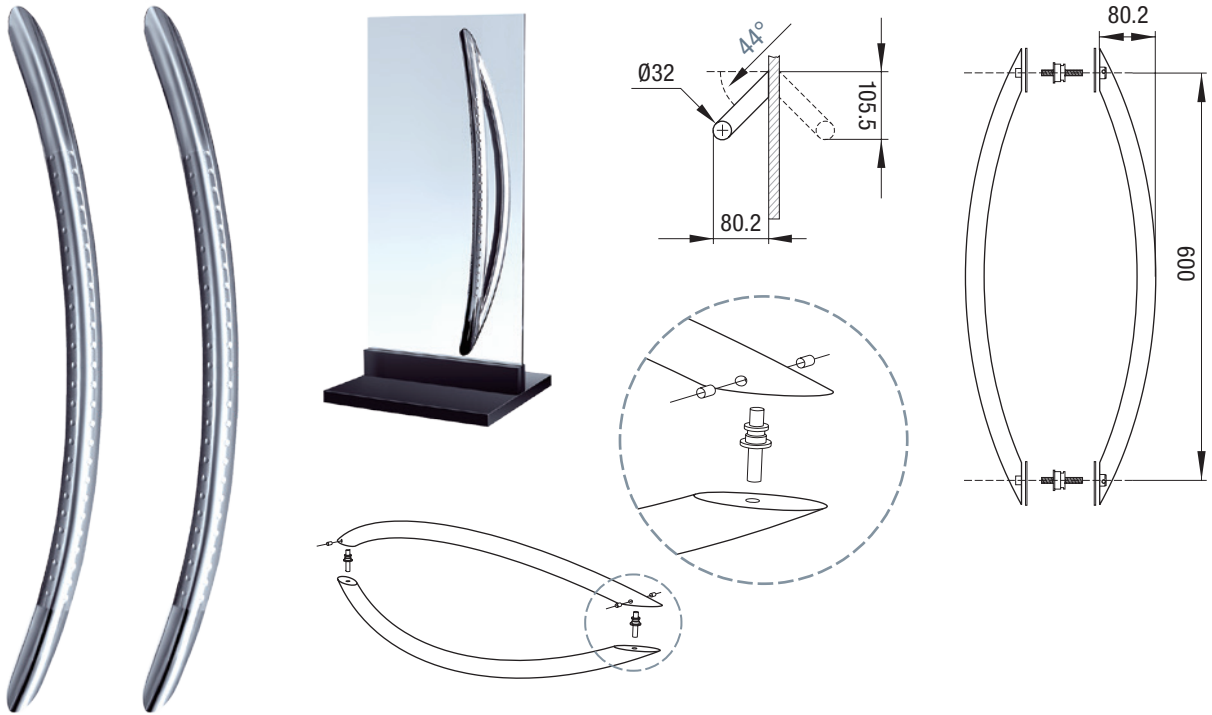


940-3 Unit with Outside Pull Handle

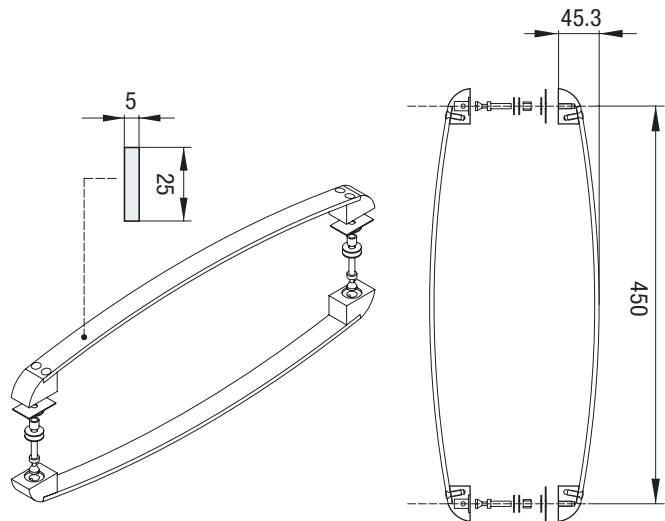


940-4 Unit with Cylinder, Cylinder Mounting Pad and Outside Pull Handle

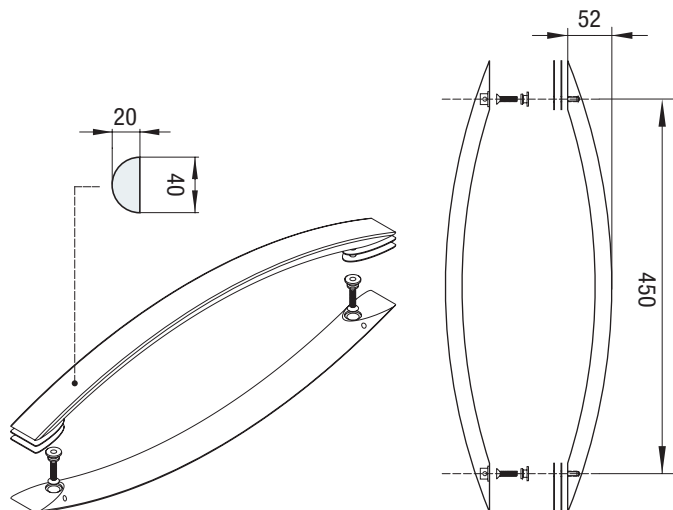
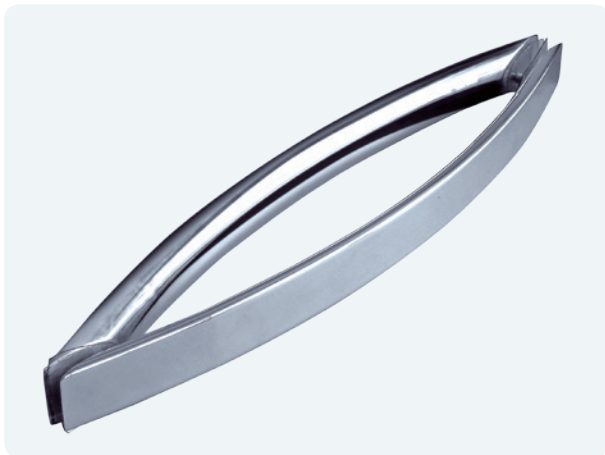
3116

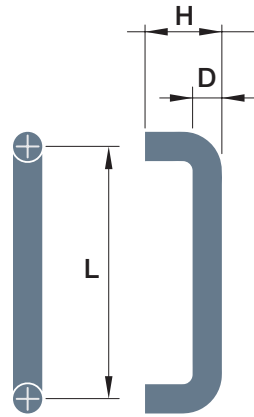


3117



3118

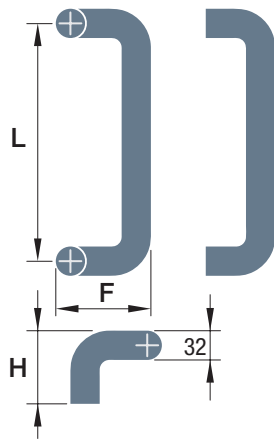




Unit: *mm*

ITEM NO.	D	H	L
3101-30	Ø 32	65	300
3101-40			400
3101-50			500

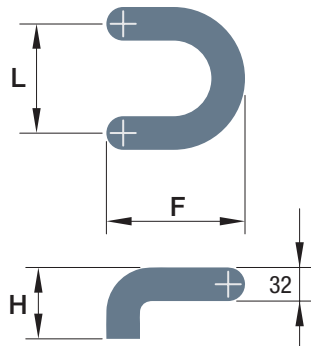
Ø25 available upon request.



Unit: *mm*

ITEM NO.	F	H	L
3103-30	95	70	300
3103-40			400

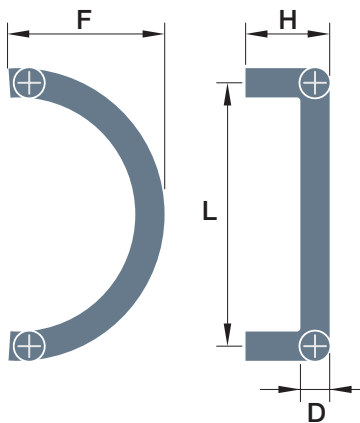
Ø25 available upon request.



Unit: *mm*

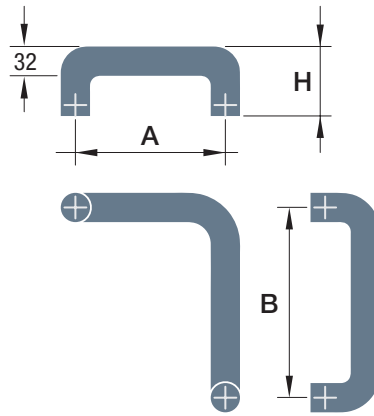
ITEM NO.	F	H	L
3105	150	65	215

Ø25 available upon request.



Unit: *mm*

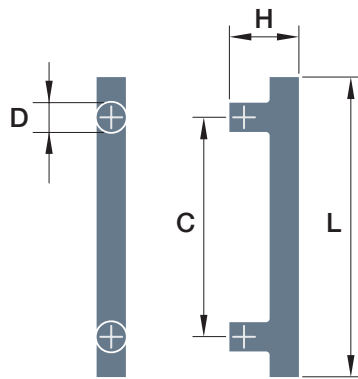
ITEM NO.	D	L	F	H
3107	34	350	200	80



Unit: *mm*

ITEM NO.	A	B	H
3109	250	250	65

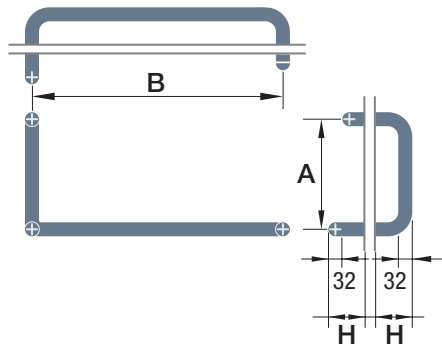
Ø25 available upon request.



Unit: *mm*

ITEM NO.	D	L	C	H
3111-400	32	400	300	60
3111-800	32	800	600	60
3111-1600	32	1600	1000	60
3111-2000	32	2000	1400	60

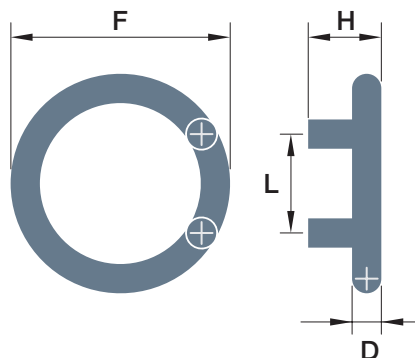
Various length available upon request.
Ø25 available upon request.



Unit: *mm*

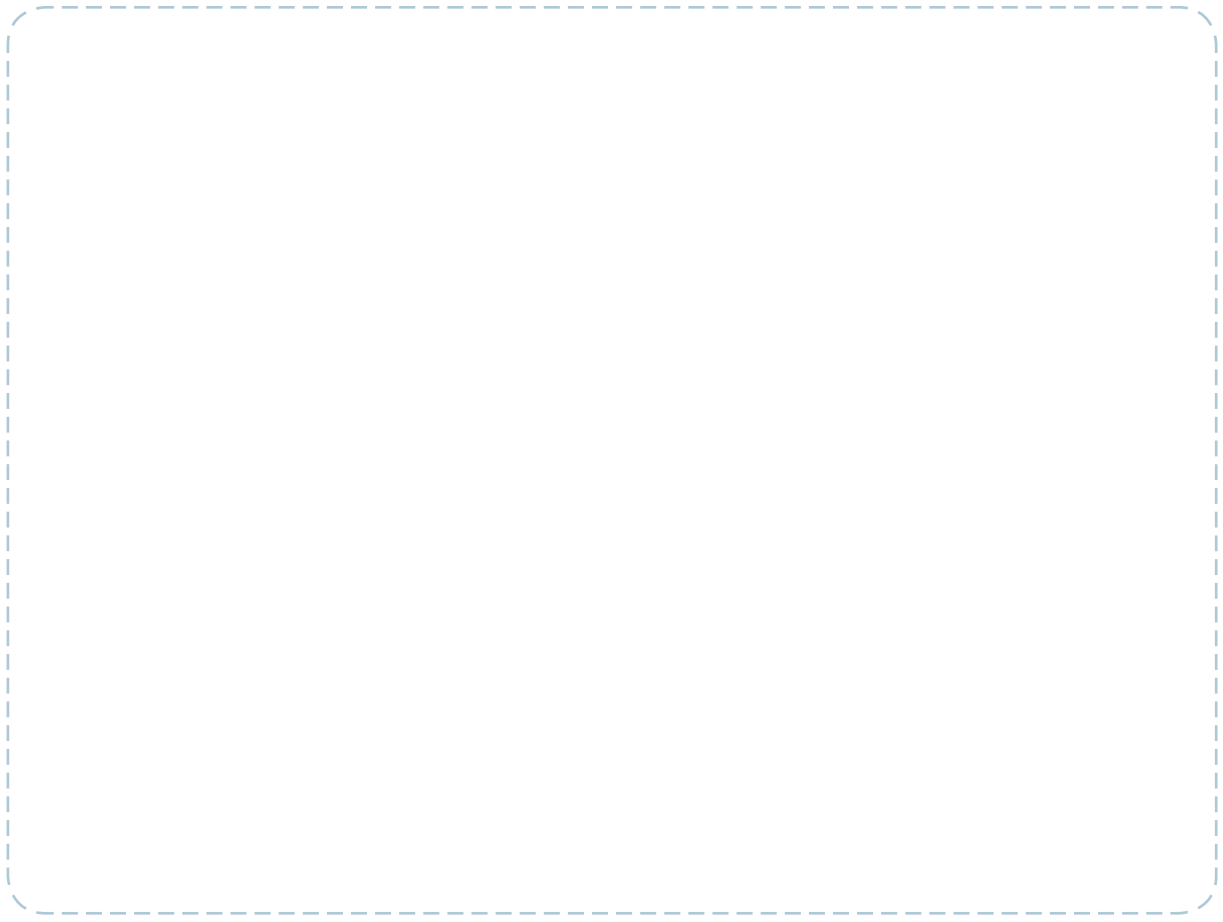
ITEM NO.	A	B	H
3113-30	300	750	70
3113-40	400	950	70

Ø25 available upon request.



Unit: *mm*

ITEM NO.	D	L	F	H
3115-25	25	100	200	70
3115-32	32	100	200	75



You Will be **Safe.**
You Will **Save** Money.

USAF

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FAX: +886-2-2659 1379

E-mail: swic@ms23.hinet.net

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Please Contact :