



GLASS SHOWCASE

## About Us

The name Sugatsune and LAMP brand products have long been associated with Quality, Innovation, and Service. In 1982, Sugatsune America, Inc. was established to Inspire architects, designers and industrial engineers in North America to Invent new solutions with a line-up of precision engineered hardware which today, totals more than 6,000 products.

In September 2016, Canada, Inc. was established in Montreal, Quebec to provide an even higher level of service and local support to Canadian customers.

### INTRODUCTION



Specifications, features, illustrations, certifications and materials shown in this catalog are based upon the latest available information at the time of publication. Although descriptions are believed to be correct, accuracy cannot be guaranteed. Sugatsune reserves the right to make changes at any time, without notice or obligation, in finishes, materials, sizes, specifications and availability and disclaims any and all liability for typographical, printing or production errors or changes affecting the products and/or specifications contained herein.

Actual performance of products may vary based upon many factors and may be less than stated. Differences in construction and build materials, designs or configurations may affect product performance and therefore, the customer is solely responsible for making the final selection of the product(s) to be used and to assure that all performance, safety and warning requirements of the application are satisfied.

# North American Offices

## North American Headquarters



In August 1982, Sugatsune America, Inc. established its headquarters in Carson, California. Just minutes away from Los Angeles, the Carson facility continues to be at the core of the U.S. operations serving as home to U.S. management, customer service, purchasing, marketing and warehouse distribution. To minimize distribution lead-times and provide the best service to our customers, a second distribution center was established just outside of Chicago in Addison, IL.

## Premiere Showroom

In June 2011, Sugatsune America, Inc. unveiled its first North American showroom located in the heart of Chicago, IL. Our mission is to provide a comfortable environment for local architects, designers and clients to learn about and experience our products first hand. Conveniently located across from the Design Mart, our Chicago showroom is a place to drop by and see many product applications to inspire ideas for the A&D community.



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# HEAVY DUTY CONCEALED HINGE

**J95**

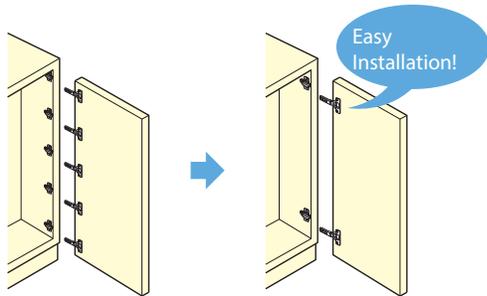
Max. Door Weight : 55 lbs (25kg)/2pcs , 77 lbs (35kg)/3pcs

You can reduce installation time as fewer hinges are required. Number of hinges required, based on door specifications:

**Normal Concealed Hinges J95**

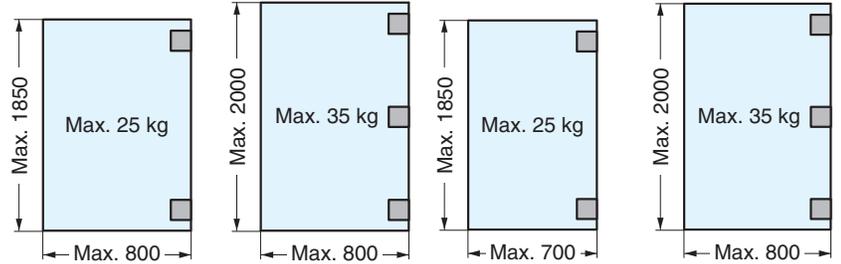
Using 5 hinges

Using 2 hinges



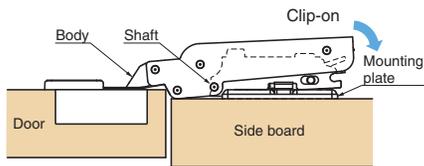
Glass Thickness: 5/16" (8mm)

Glass Thickness: 3/8" (10mm)

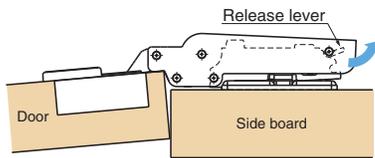


## One-touch Installation and Release

• How to Install

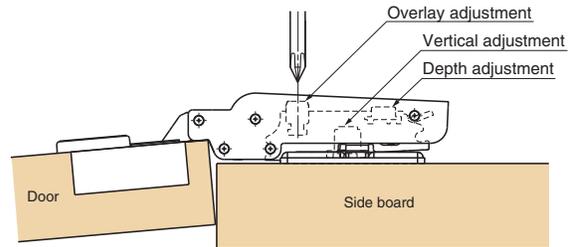


• How to Release

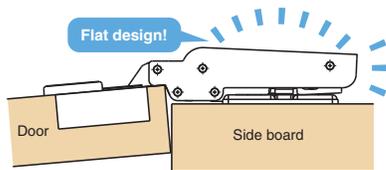


## Easy and Fast Adjustment

• Door can be adjusted by turning adjustment screws.



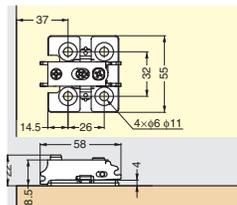
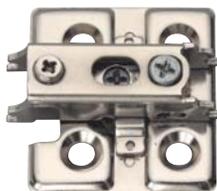
## Flat Design



Overlay Adjustment (Horizontal Adjustment)	Vertical Adjustment	Depth Adjustment
±0 mm, -4 mm	±3 mm	±1.5 mm, -2.5 mm
<b>Tilting Adjustment</b>  Tilting adjustment can be done by using these three ways of adjustments.		

# MOUNTING PLATE

**J95-P6T**



- Depth adjustment : + 1.5 -2.5 mm (1/16 -1/8")
- Vertical adjustment : ± 3 mm (±1/8")
- Overlay adjustment : + 0, - 4 mm (±5/32")
- Recommended screw size M5 (US#10)

Item Name	Material	Finish	Weight(g)	Carton
J95-P6T	Steel/Zinc Alloy	Nickel	94	100 pcs

# HEAVY DUTY CONCEALED HINGE

**J95**

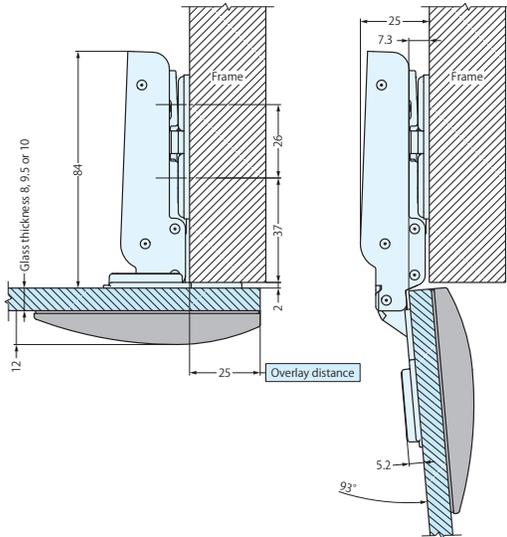
95° Opening	1" (25 mm) Overlay	Overlay 13/16" ( 21 - 25 mm) (When Bore Distance is 8 mm)	Door Thickness 5/16"~3/16" (8~10mm)	Mounting Plate J95-P6T (P.4)
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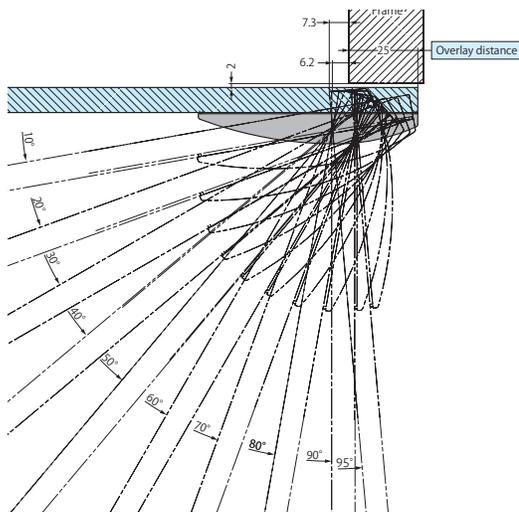
Item Name	Description	Material	Finish	Weight(g)
J95-24/25T	w/o Catch	Steel	Nickel	131
J95-C24/25T	w/ Catch			

Picture above is the combination of concealed hinge and mounting plate.

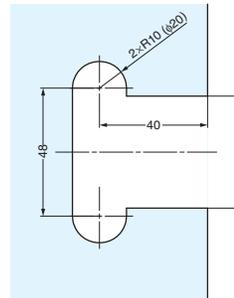
• Outline drawing



• Locus chart



### Door Bore Dimensions



### Door Dimensions and Number of Hinges

Refer to page 4.

# HEAVY DUTY CONCEALED HINGE

**J95**

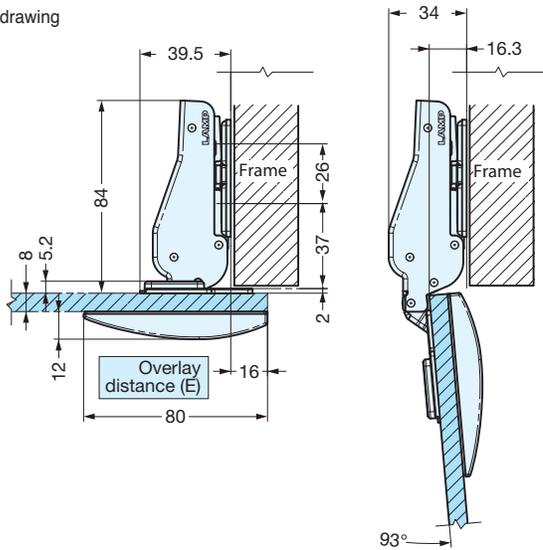
95° Opening	5/6" (16 mm) Overlay	Overlay 1/2"~5/8" (12 ~ 16 mm) (When Bore Distance 5/16" is 8 mm)	Door Thickness 5/16"~3/16" (8~10mm)	Mounting Plate J95-P6T (P.4)
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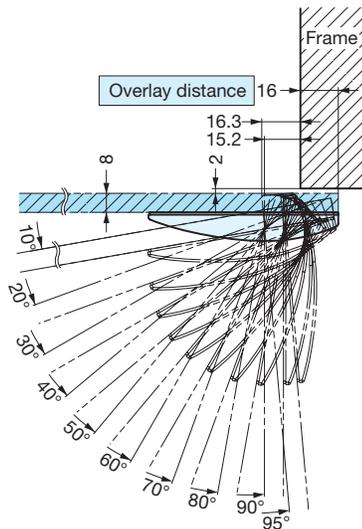
Item Name	Description	Material	Finish	Weight(g)
J95-24/16T	w/o Catch	Steel	Nickel	131
J95-C24/16T	w/ Catch			

Picture above is the combination of concealed hinge and mounting plate.

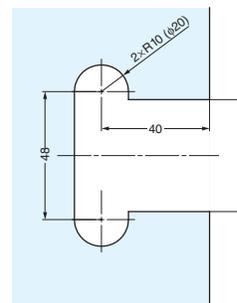
• Outline drawing



• Locus chart



**Door Bore Dimensions**



**Door Dimensions and Number of Hinges**  
Refer to page 4.

Drawing above is Bore Distance 8 mm, Door Thickness 8 mm, Side Board Thickness 8 mm and 16 mm Overlay.

# HEAVY DUTY CONCEALED HINGE

**J95**

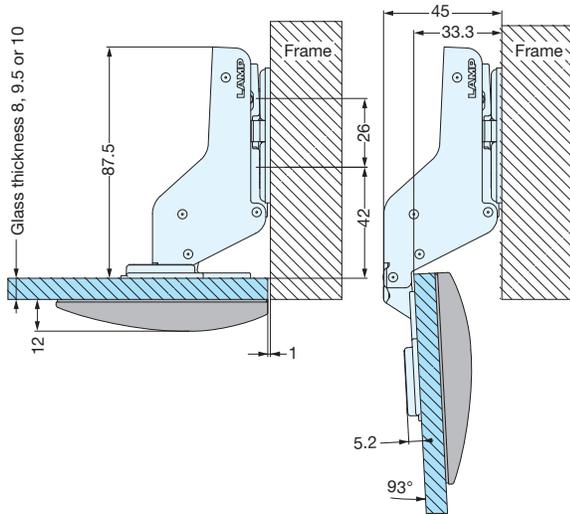
93° Opening	Inset	Overlay -4 - 0 mm (When Bore Edge Distance is 8 mm)	Door Thickness 5/16"~3/16" (8~10mm)	Mounting Plate J95-P6T (P.4)
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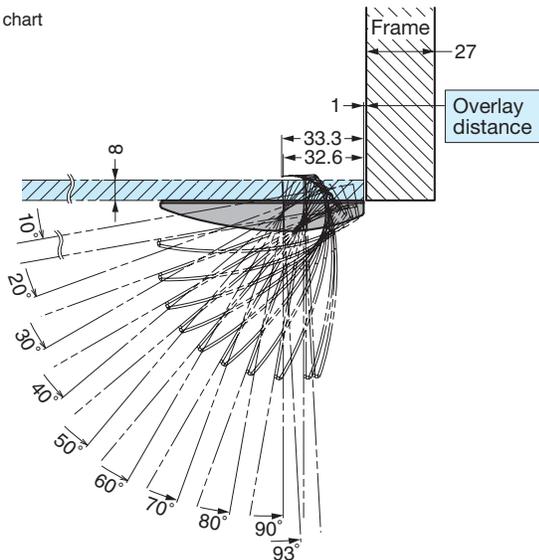
Item Name	Description	Material	Finish	Weight(g)
J95-24/0T	w/o Catch	Steel	Nickel	148
J95-C24/0T	w/ Catch			160

Picture above is the combination of concealed hinge and mounting plate.

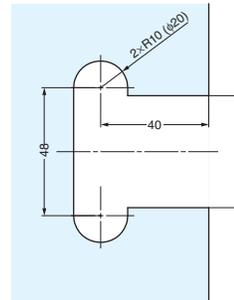
• Outline drawing



• Locus chart



**Door Bore Dimensions**

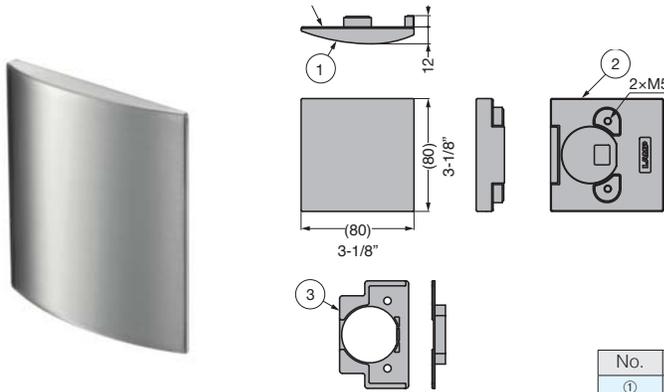


**Door Dimensions and Number of Hinges**  
Refer to page 4.

# FACE PLATE FOR GLASS DOOR



GH-J95FP-CR



J95 Application



Item Name	Material	Finish	Weight(g)	Carton
GH-J95FP-CR	Zinc Alloy	Chrome	333	20 pcs

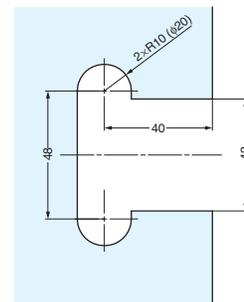
No.	Part Name	Material	Finish
①	Face Plate	Zinc Alloy	Chrome
②	Face Plate Spacer	Polyacetal	Black
③	Socket Spacer		

HEAVY DUTY HINGES & ACCESSORIES



- Opening Clearance  
Hinge side = 0 mm  
Handle side = 0 mm

• Cut Out Dimensions



- Door Dimensions and Number of Hinges  
Glass thickness : 5/16" (8 mm)      Glass thickness: 3/8" (10 mm)



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Please refer to P.4.


 GH-J95FP-SN  
Satin Nickel

 GH-J95FP-Q1-GL  
Gold

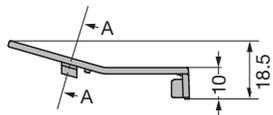
 GH-J95FP-Q1-BR  
Antique Bronze

Custom Design Available as Special Order

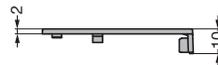
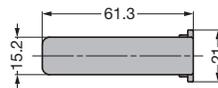
## SAFETY COVER

## J95SC

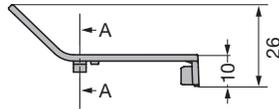
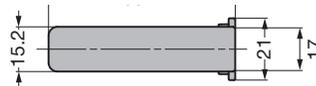
• Safety cover for J95 Concealed Hinge.



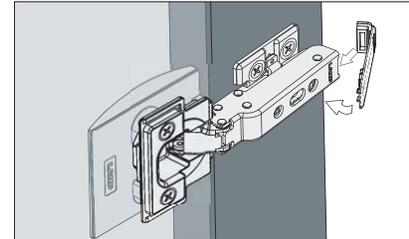
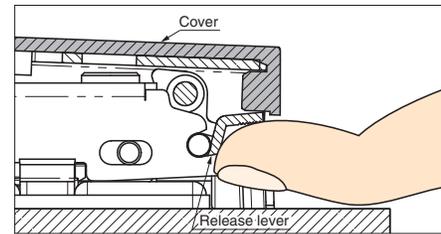
J95SC-16



J95SC-25



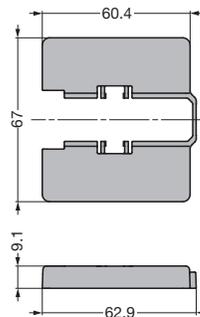
J95SC-0



Item Name	Use With	Material	Finish/Color	Weight(g)	Carton
J95SC-25GR	J95SC-25NI	J95-(C)24/25	Grey, Nickel	3	1000 pcs
J95SC-16GR	J95SC-16NI	J95-(C)24/16			
J95SC-0GR	J95SC-0NI	J95-(C)24/0			

## J95 MOUNTING PLATE COVER

## J95ZC



Item Name	Use With	Material	Finish	Weight(g)	Carton
J95ZC-GR	J95-P6T	ABS	Grey	9	1000 pcs
J95ZC-NI	J95-P6T		Nickel		

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Toll Free: 800-562-5267

## INSET GLASS DOOR HINGE

## GH-450



Satin Nickel  
(SN)

Chrome  
(CR)

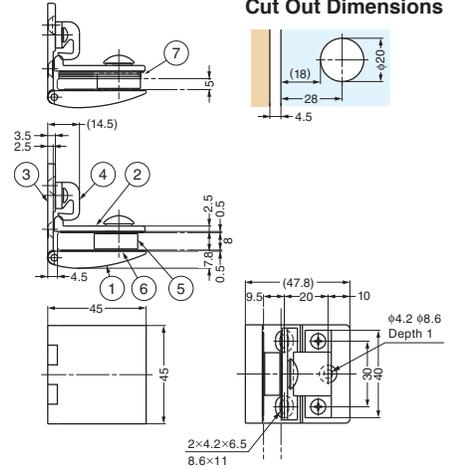
Gold  
(GC)

- Glass hinge with catch.
- For inset use.
- Suitable for showcases.
- Mounting position adjustable: Vertically -1/16" (-2 mm)  
Horizontally -1/8" (-2.5 mm)
- Spacer included to accommodate different glass thickness.

No.	Part Name	Material	Finish
①	Front Plate	Brass	Satin Nickel, Chrome, Gold
②	Fixing Plate		
③	Hinge Plate		
④	Catch	Polyamide	Black
⑤	Glass Adjustment Block		
⑥	Pad	Chloroprene Rubber	
⑦	Spacer	Polypropylene	

Item Name	Door Width(mm)	Door Height(mm)	Door Weight(kg)	Glass Thickness(mm)	Finish
GH-450/SN	Max. 23-5/8" (600)	Max. 47-1/4" (1200)	Max. 33lbs/2pcs (15kg/2pcs)	13/64~5/16" (5~8)	Satin Nickel
GH-450/CR					Chrome
GH-450/GC					Gold

### Cut Out Dimensions



## INSET GLASS DOOR HINGE (GLASS FRAME TYPE)

## GH-450G



Satin Nickel  
(SN)

Chrome  
(CR)

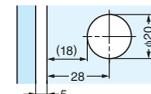
Gold  
(GC)

- For glass frame use.
- Suitable for showcases.
- Mounting position adjustable: Vertically -1/16" (-2 mm)  
Horizontally -1/8" (-2.5 mm)
- Spacer included to accommodate different glass thickness.

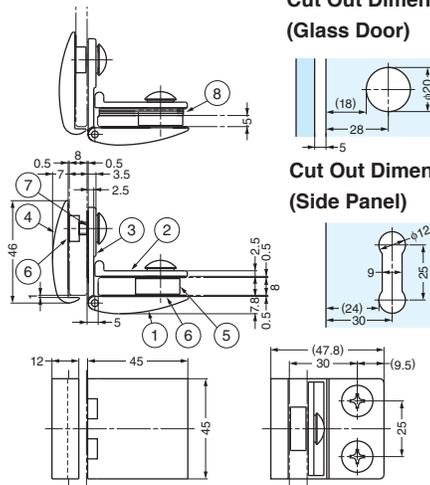
No.	Part Name	Material	Finish
①	Front Plate	Brass	Satin Nickel, Chrome, Gold
②	Fixing Plate		
③	Hinge Plate		
④	Side Plate	Polyamide	Black
⑤	Glass Adjustment Block		
⑥	Pad A	Chloroprene Rubber	
⑦	Pad B		
⑧	Spacer	Polypropylene	

Item Name	Door Width(mm)	Door Height(mm)	Door Weight(kg)	Glass Thickness(mm)	Finish
GH-450G/SN	Max. 23-5/8" (600)	Max. 47-1/4" (1200)	Max. 32lbs (15/2pcs)	3/16"~5/16" (5~8)	Satin Nickel
GH-450G/CR					Chrome
GH-450G/GC					Gold

### Cut Out Dimensions (Glass Door)



### Cut Out Dimensions (Side Panel)

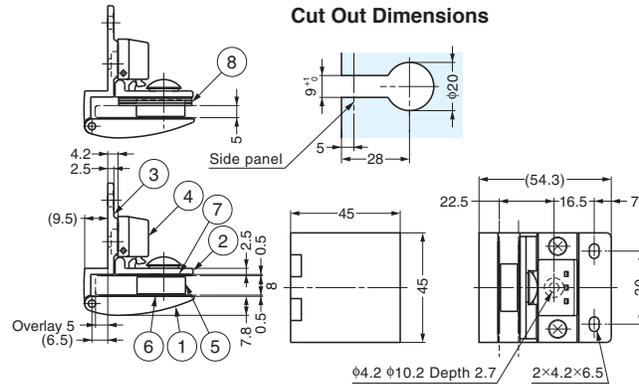


# HALF OVERLAY GLASS DOOR HINGE (W/CATCH)

## GH-456C



- Glass hinge with catch.
- For overlay use.
- Suitable for showcases.
- Mounting position adjustable: Vertically -1/16" (-2 mm)  
Horizontally -1/8" (-2.5 mm)



**Recommended Screws**  
Size 4 countersunk head screw

No.	Part Name	Material	Finish
①	Front Plate	Brass	Satin Nickel, Chrome, Gold
②	Fixing Plate		
③	Hinge Plate		
④	Catch		
⑤	Glass Adjustment Block	Polyamide	Black
⑥	Pad A	Polyvinyl Chloride Resin	
⑦	Pad B	Polyvinyl Chloride Resin	
⑧	Spacer	Polypropylene	

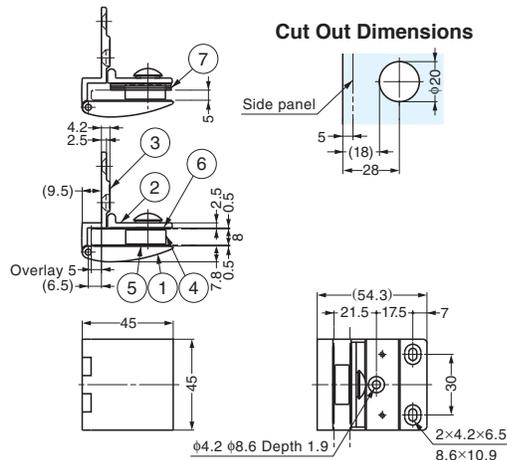
Item Name	Door Width(mm)	Door Height(mm)	Door Weight(kg)	Glass Thickness(mm)	Finish
GH-456C/SN	Max. 23-5/8" (600)	Max. 47-1/4" (1200)	Max. 33lbs (15/2pcs)	3/16~5/16" (5~8)	Satin Nickel
GH-456C/CR					Chrome
GH-456C/GC					Gold

# HALF OVERLAY GLASS DOOR HINGE (W/O CATCH)

## GH-456N



- For overlay use.
- Suitable for showcases.
- Mounting position adjustable: Vertically -1/16" (-2 mm)  
Horizontally -1/8" (-2.5 mm)



**Recommended Screws**  
Size 4 countersunk head screw

No.	Part Name	Material	Finish
①	Front Plate	Brass	Satin Nickel, Chrome, Gold
②	Fixing Plate		
③	Hinge Plate		
④	Catch		
⑤	Glass Adjustment Block	Polyamide	Black
⑥	Pad A	Polyvinyl Chloride Resin	
⑦	Pad B	Polyvinyl Chloride Resin	
⑧	Spacer	Polypropylene	

Item Name	Door Width(mm)	Door Height(mm)	Door Weight(kg)	Glass Thickness(mm)	Finish
GH-456N/SN	Max. 23-5/8" (600)	Max. 47-1/4" (1200)	Max. 33lbs (15/2pcs)	3/16~5/16" (5~8)	Satin Nickel
GH-456N/CR					Chrome
GH-456N/GC					Gold



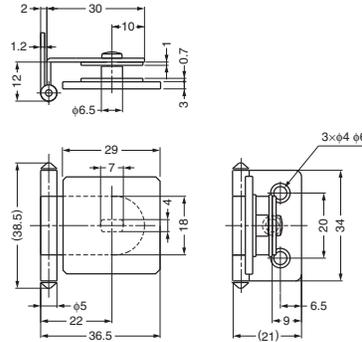


## INSET GLASS DOOR HINGE

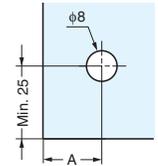
## GH-34-0CR-K



- Hinge for glass/acrylic doors.
- Door thickness: 3/16"~1/8" (4~6mm)
- Door size: Max: 17-3/4" x 27-9/16" (450 x 700).
- Door weight: Max 8.8lbs/pair (4kg/pair).

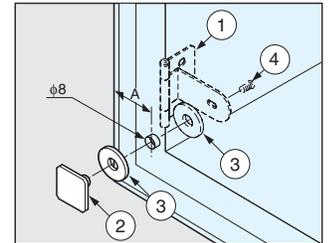


### Cut Out Dimensions



No.	Part Name	Material	Finish
①	Body	Steel	Chrome
②	Plate	Zinc Alloy	
③	Washer	Polyvinyl Chloride Resin	Clear
④	Screw	Steel	Nickel, Black

Item Name	Door Width(mm)	Door Height(mm)	Door Weight(kg)	Glass Thickness(mm)	Finish
GH-34-0CR-K	Max. 17-3/4" (450)	Max. 27-9/16" (700)	Max. 8.8lbs/pair (4/pair)	3/16~1/8" (4~6)	Chrome

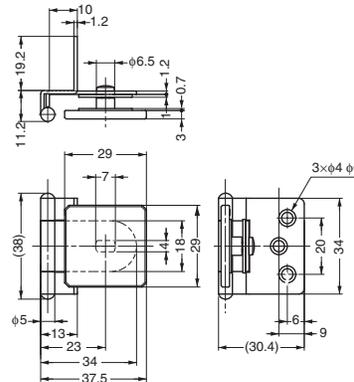


## HALF OVERLAY GLASS DOOR HINGE

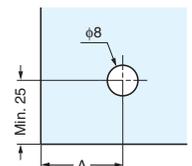
## GH-34-8CR-K



- Half overlay.
- Hinge for glass/acrylic doors.
- Door thickness: 3/16"~1/8" (4~6mm)
- Door size: Max: 17-3/4" x 27-9/16" (450 x 700).
- Door weight: Max 8.8lbs/pair (4kg/pair).

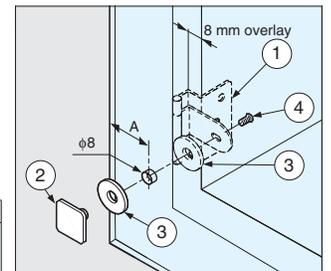


### Cut Out Dimensions



No.	Part Name	Material	Finish
①	Body	Steel	Chrome
②	Plate	Zinc Alloy	
③	Washer	Polyvinyl Chloride Resin	Clear
④	Screw	Steel	Nickel, Black

Item Name	Door Width(mm)	Door Height(mm)	Door Weight(kg)	Glass Thickness(mm)	Finish
GH-34-8CR-K	Max. 17-3/4" (450)	Max. 27-9/16" (700)	Max. 8.8lbs/pair (4/pair)	3/16~1/8" (4~6)	Chrome

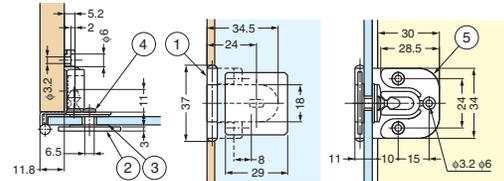


## HALF OVERLAY GLASS DOOR HINGE (W/CATCH)

## GHC-34-8CR-K



- Half overlay.
- Hinge for glass/acrylic doors.
- Door thickness: 3/16"~1/8" (4~6mm)
- Door size: Max: 17-3/4" x 27-9/16" (450 x 700).
- Door weight: Max 8.8lbs/pair (4kg/pair).



Cut Out Dimensions

No.	Part Name	Material	Finish
①	Body	Steel	Chrome
②	Plate	Zinc Alloy	
③	Washer	Polyvinyl Chloride Resin	Clear
④	Screw	Steel	Nickel, Black
⑤	Catch	Polyacetal	Black

Item Name	Door Width(mm)	Door Height(mm)	Door Weight(kg)	Glass Thickness(mm)	Finish
GHC-34-8CR-K	Max. 17-3/4" (450)	Max. 27-9/16" (700)	Max. 8.8lbs/pair (4/pair)	3/16~1/8" (4~6)	Chrome, Black

## HALF OVERLAY GLASS DOOR HINGE (W/CATCH)

## GHC-34/8



GHC-34/8CR

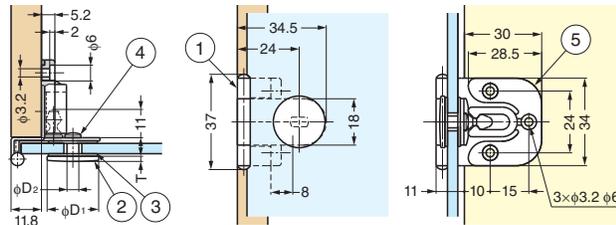


GHC-34/8G



GHC-34/8B

- Half overlay.
- Hinge for glass/acrylic doors.
- Door thickness: 5/32"~1/4" (4~6mm)
- Door size: Max: 17-3/4" x 27-9/16" (450 x 700).
- Door weight: Max 8.8lbs/pair (4kg/pair).



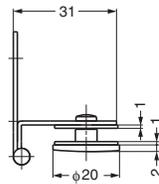
Cut Out Dimensions

No.	Part Name	Material	Finish
①	Body	GHC-34/8/BLK	304 Stainless Steel
		GHC-34/8/CR	Steel
		GHC-34/8/PB	Polished Brass
②	Plate	GHC-34/8/BLK	Aluminum
		GHC-34/8/CR	Brass
		GHC-34/8/PB	Polished Brass
③	Washer	PVC	Clear
④	Screw	Steel	Nickel
⑤	Catch	Polyacetal	Black

Item Name	Door Weight Max.	Glass Thickness(mm)
GHC-34/8/CR	8.8lbs/pair (4/pair)	3/16"~1/4" (4~6)
GHC-34/8/PB		
GHC-34/8/BLK		

## INSET GLASS LIFT-OFF HINGE

## GH-36/NCR

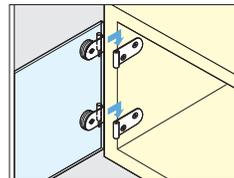


- Lift-off hinge for glass/acrylic doors.
- Door size: Max: 17-3/4" x 27-9/16" (450 x 700).
- Door weight: Max 8.8lbs/pair (4kg/pair).
- Recommended for use in pairs.

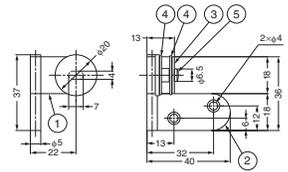
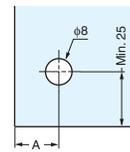
No.	Part Name	Material	Finish
①	Body	Steel	Chrome
②			
③	Plate	Brass	
④	Washer	PVC	Clear
⑤	Screw	Steel	Nickel

Item Name	Glass Thickness(mm)	Finish
GH-36/NCR	3/16"~1/4" (4~6)	Polished Chrome

### Installation Example



### Cut Out Dimensions



## INSET GLASS DOOR HINGE

## XL-GH03-48-0



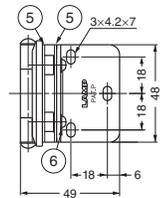
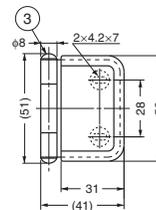
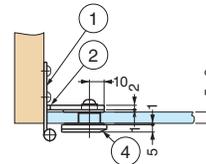
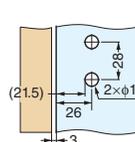
XL-GH03-48-0CR



XL-GH03-48-0GC

- Medium size hinge for glass/acrylic doors.
- Door thickness: 3/16"~5/16" (5~8mm)
- Door size: Max: 25-19/32" x 35-7/16" (650 x 900).
- Door weight: Max. 26.4lbs/pair (12kg/pair).
- Recommended for use in pairs.

### Cut Out Dimensions



No.	Part Name	Material	Finish
①	Hinge Plate	304 Stainless Steel	Mirror
②	Arm		
③	Shaft		
④	Plate	Zinc Alloy	Chrome
⑤	Spacer	Polyethylene	Natural
⑥	Screw	304 Stainless Steel	Plain

Item Name	Door Width(mm)	Door Height(mm)	Door Weight(kg)	Glass Thickness(mm)
XL-GH03-48-0CR	Max. 25-19/16" (650)	Max. 35-7/16" (900)	26.4lbs/set (12/set)	3/16"~15/16" (5~8)
XL-GH03-48-0GC				

## HALF OVERLAY GLASS DOOR HINGE

## XL-GH03-48-8



XL-GH03-48-8CR

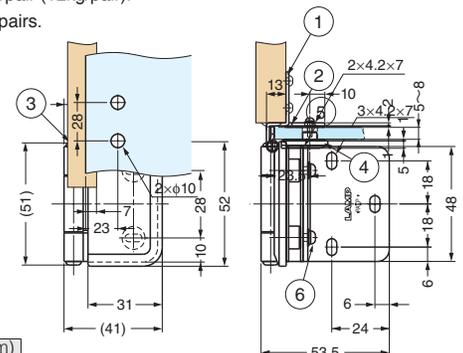


XL-GH03-48-8GC

- Half overlay 5/16" (8mm) medium size hinge for glass/acrylic doors.
- Door thickness: 3/16"~5/16" (5~8mm)
- Door size: Max: 25-19/32" x 35-7/16" (650 x 900).
- Door weight: Max. 26.4lbs/pair (12kg/pair).
- Recommended for use in pairs.

No.	Part Name	Material	Finish
①	Hinge Plate	304 Stainless Steel	Mirror
②	Arm		
③	Shaft		
④	Plate	Zinc Alloy	Chrome
⑤	Spacer	Polyethylene	Natural
⑥	Screw	304 Stainless Steel	Plain

Item Name	Door Width(mm)	Door Height(mm)	Door Weight(kg)	Glass Thickness(mm)
XL-GH03-48-8CR	Max. 25-9/16" (650)	Max. 35-7/16" (900)	26.4lbs/set (12/set)	3/16"~5/16" (5~8)
XL-GH03-48-8GC				

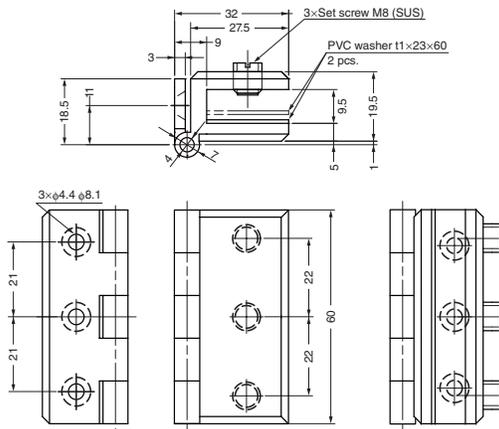


## INSET GLASS DOOR HINGE

## XL-GH01-600



- Pre-drilling on glass/acrylic not required.
- 304 Stainless Steel.
- Door thickness: 5/32"~5/16" (4~6mm)
- Door size: Max: 17-3/4" x 51-3/16" (450 x 1300).
- Door weight: Max: 24lbs/pair (11kg/pair).
- Please use 2 spacers for 4mm door thickness.



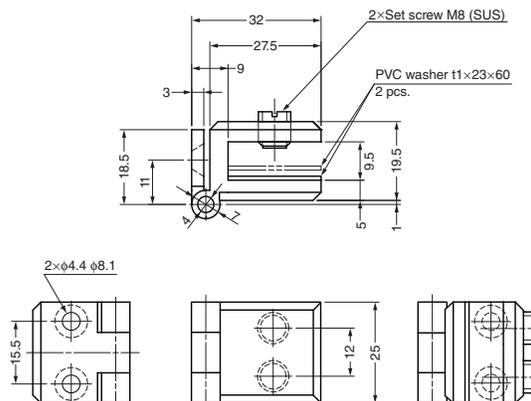
Item Name	Door Width(mm)	Door Height(mm)	Door Weight	Glass Thickness(mm)	Finish
XL-GH01-600	Max. 17-23/32" (450)	Max. 51-3/16" (1300)	24lbs/2pcs (11kg/2 pcs)	5/32"~5/16" (4~8)	Polished

## INSET GLASS DOOR HINGE

## XL-GH01-250



- Pre-drilling on glass/acrylic not required.
- 304 Stainless Steel.
- Door thickness: 3/16"~5/16" (4~6mm)
- Door size: Max: 15-3/4" x 23-5/8" (400 x 600).
- Door weight: Max: 10.5lbs/pair (4.8kg/pair).
- Please use 2 spacers for 4mm door thickness.



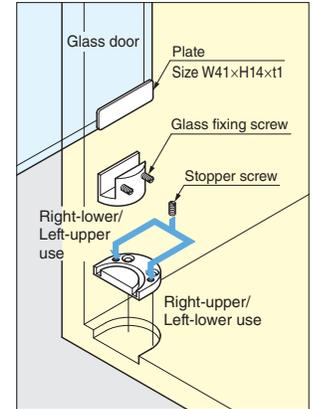
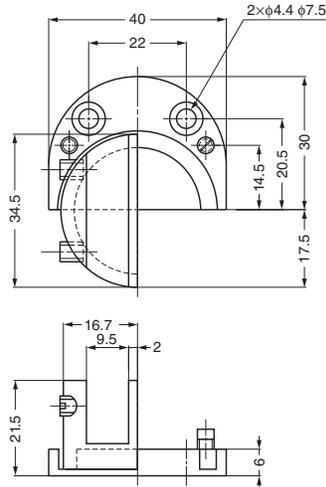
Item Name	Door Width(mm)	Door Height(mm)	Door Weight(kg)	Glass Thickness(mm)	Finish
XL-GH01-250	Max. 17-3/4" (400)	Max. 23-5/8" (600)	10lbs/2pcs (4.8/2 pcs)	3/16"~5/16" (4~8)	Polished

## INSET GLASS DOOR PIVOT HINGE

## GP-40



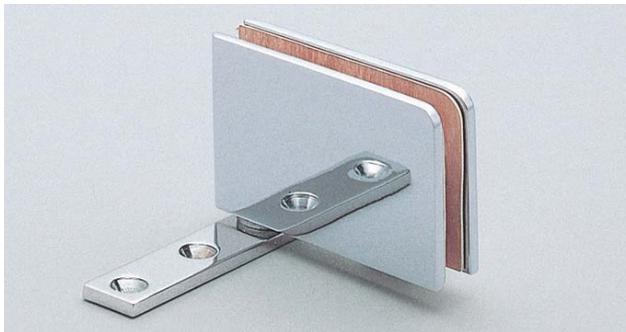
- Pressure fit hinge; pre-drilling glass not required.
- Glass door hinge for inset use.
- Pre-drilling on glass not required.
- Recommended for use in pairs.



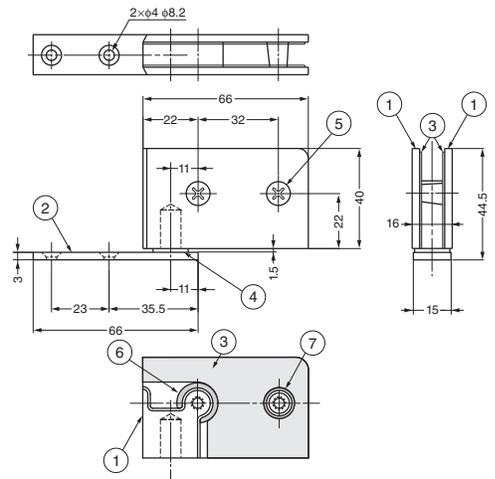
Item Name	Door Width(mm)	Door Height(mm)	Door Weight(kg)	Glass Thickness(mm)	Material	Finish
GP-40	Max. 17-3/4" (450)	Max. 27-9/16" (700)	Max. 8.8lbs/pair (4/pair)	1/8-5/16" (3~8)	Brass	Satin Nickel

## INSET GLASS DOOR PIVOT HINGE

## GH-34-PSL40

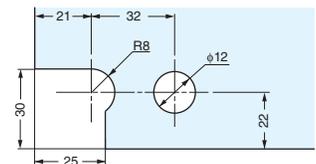


- Rotates 360°
- Sold in pairs.



No.	Part Name	Material	Finish
①	Body	Brass	Chrome
②	Plate		
③	Spacer	Polyvinyl Chloride Resin	Clear
④	Washer	Polyamide	White
⑤	Screw	Brass	Chrome
⑥	Gasket	Polyvinyl Chloride Resin	Clear
⑦			

### Cut Out Dimensions



Item Name	Door Width(mm)	Door Height(mm)	Door Weight(kg)	Glass Thickness(mm)
GH-34-PSL40	Max. 25-9/16" (650)	Max. 78-3/4" (2000)	44lbs/set (20/set)	5/16" (8)

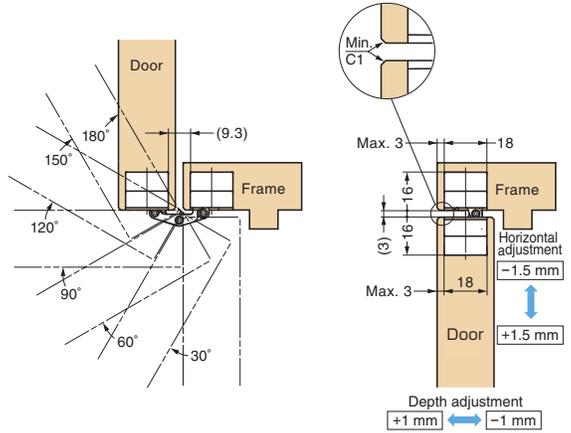
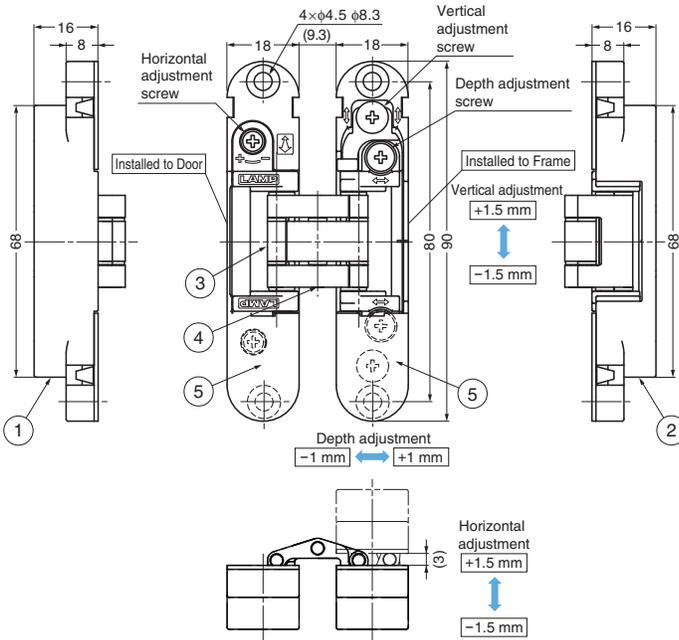
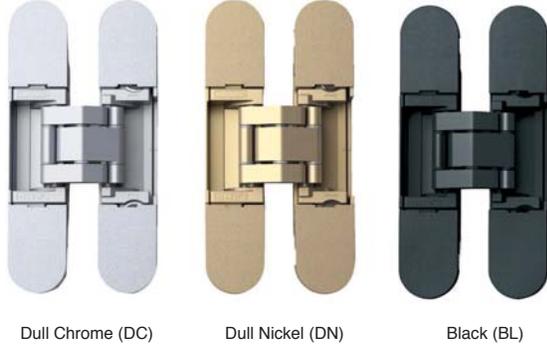


# 3-WAY ADJUSTABLE CONCEALED HINGE

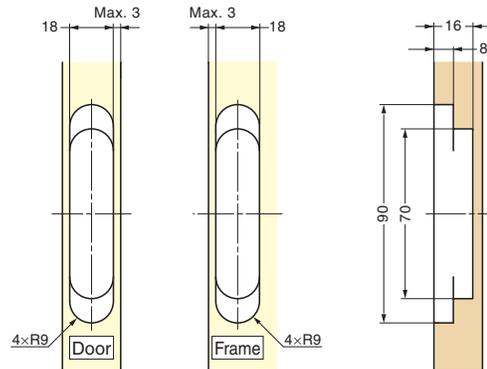
# HES3D-90

3 WAY ADJUSTABLE CONCEALED HINGE

- 3-way adjustment function allows vertical, horizontal, and depth adjustment after hinge is installed.
- Cover hides all screw heads for clean appearance.
- Door Weight: Max. 26lbs (12kg)/2pcs or 35lbs (16kg)/3pcs.
- Door Thickness: 15/16" (23mm).
- Door Dimensions: Max 59-1/16" x 23-5/8" (1500 x 600mm).
- Finishes: Dull Chrome, Dull Nickel, Matte Black.



### Cut Out Dimensions



No.	Part Name	Material	Finish
①	Body	Zinc Alloy	Dull Chrome, Dull Nickel, Matte Black
②	Base Frame		
③	Arm		
④	Shaft	Stainless Steel	
⑤	Cover	ABS	

Item Name	Door Width(mm)	Door Height(mm)	Door Weight(kg)	Glass Thickness(mm)	Finish
HES3D-90DC	Max. 59-1/16" (1500)	Max. 23-5/8" (600)	26lbs (12)/2pcs	Wood: Min. 15/16" (23) Glass w/ Bracket: 1/4" (5-6mm)	Dull Chrome, Dull Nickel, Matte Black
HES3D-90DN			35lbs (16)/3pcs		
HES3D-90BL					

# GLASS DOOR BRACKET

# HES3D-G90BKT



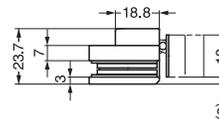
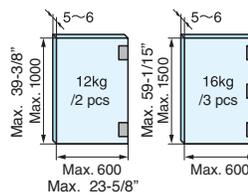
Chrome (CR)

Gold (GP)

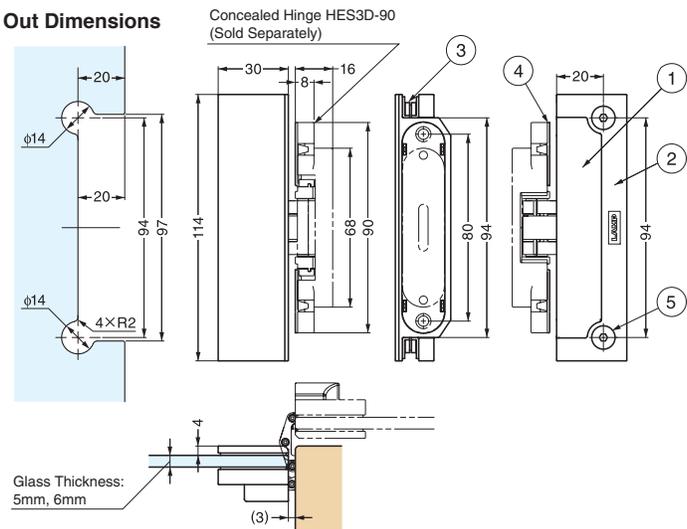
Black (BL)

- Glass door bracket for HES3D-90 series.
- Hinge is completely hidden when looking through the glass.
- Screw covers match the bracket with the hinge finish.
- Glass thickness: 1/4" (5~6mm)

## Door Dimensions and Number of Hinges



## Cut Out Dimensions



No.	Part Name	Material	Finish
①	Body	Zinc Alloy	Chrome, 24k Gold Plating, Black
②	Back Plate		
③	Gasket	Chloroprene Rubber	
④	Screw Cover	ABS	
⑤	Hexagon Socket Countersunk Head	Steel	

Item Name	Finish
HES3D-G90BKT-CR	Chrome
HES3D-G90BKT-GP	Gold
HES3D-G90BKT-BL	Black

# DAMPER CATCH (SOFT CLOSE)

# DC SERIES

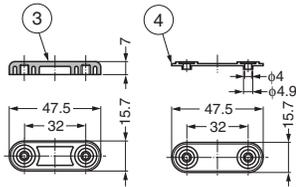


DC-90

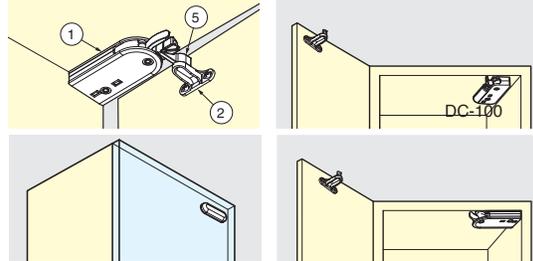
DC-100

- Keeps cabinet doors from slamming shut.
- Holds the door in closed position.
- Available for glass and wood doors.
- Separate models for wood and glass doors.
- Non-handed.
- Face plate (Only included in DC-90G, DC-100G)

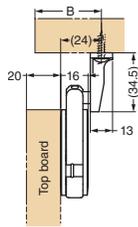
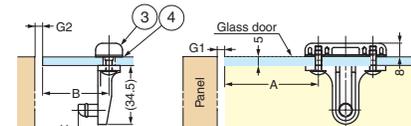
### Face plate for glass door



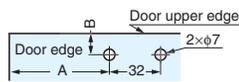
### Installation



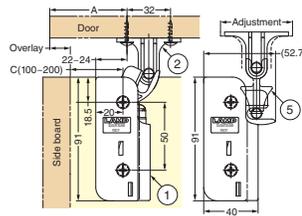
DC-90



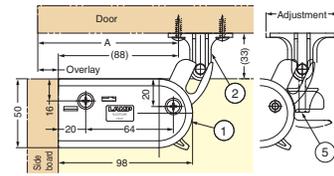
### Cut Out Dimensions for Glass Door



DC-90



DC-100



Installation Position	A	B
Inset Door	C-G1+3	24-G2
Overlay Door	C+Overlay+3	Overlay+24

G1 is the gap between the door edge and the side board.  
G2 is the gap between the edge of the door and the top board.

Installation Position	A	B
Inset Door	88-G1	24-G2
Overlay Door	Overlay+88	Overlay+24

No.	Part Name	Material	Finish
①	Body	Polyacetal/PBT	Dark Grey/Light Grey
②	Counter Plate	Polyacetal	Dark Grey
③	Face Plate	Zinc Alloy	Chrome
④	Spacer	ABS	Black
⑤	Jig	PBT	Light Grey

Item Name	Door Width(mm)	Door Height(mm)	Door Weight(kg)	Glass Thickness(mm)
DC-90G (glass)	17-3/4" (450)	23-5/8" (600)	8.8lbs (4)	13/16" (5)
DC-100G (glass)	23-5/8" (600)	31-1/2" (800)	15lbs (7)	
DC-90 (wood)	17-3/4" (450)	23-5/8" (600)	8.8lbs (4)	-
DC-100 (wood)	23-5/8" (600)	31-1/2" (800)	15lbs (7)	

GLASS SHOWCASE SERIES

GS-G



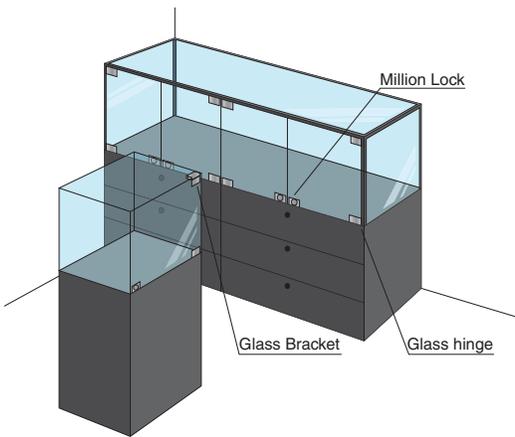
Glass Hinge (P.24)  
GS-GH5



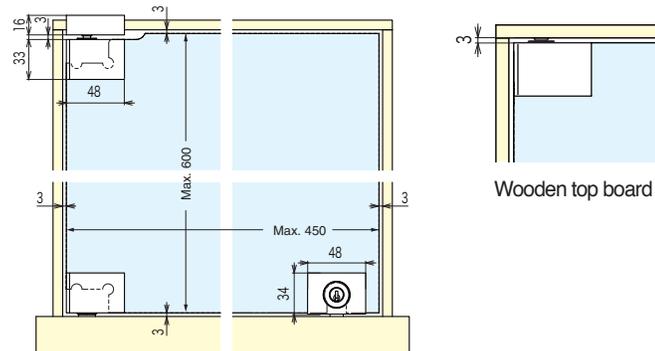
Glass Bracket (P.24)  
GS-GB5



Glass Lock (P.25)  
GS-GL5



Clearance between door, top board, bottom board, and side board.



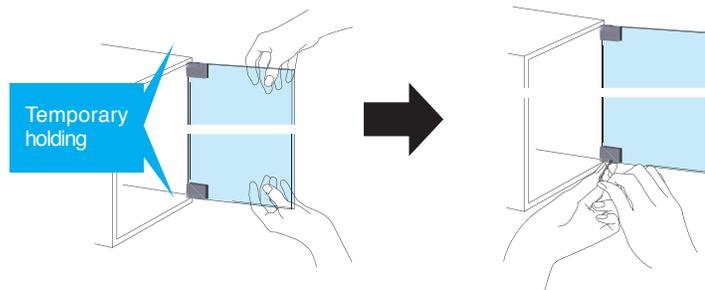
Flat Design

Flat design hardware completely matches glass showcase.



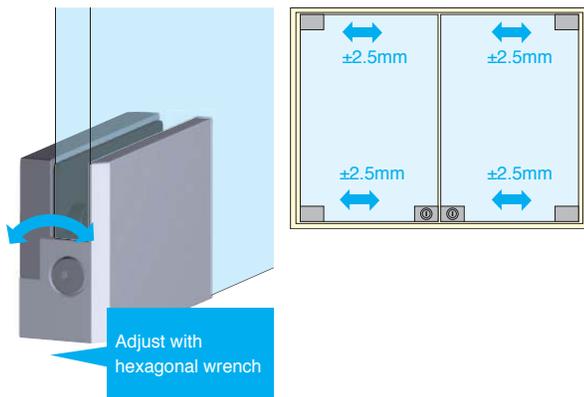
Temporary Hold for Easy Installation

The door can be installed easily by clip-on and temporary holding features.



Easy adjustment after installation.

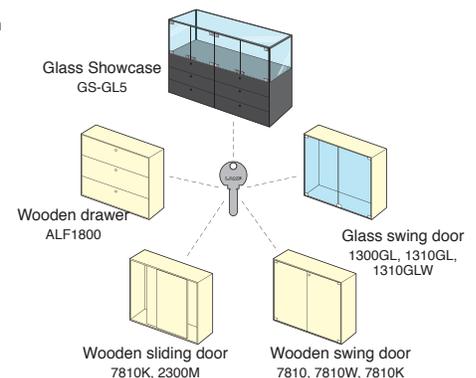
2.5mm adjustable by fixing adjustable screw on hinge side.



Lock drawers and doors with the same key.

Keys can be keyed to match other Million Lock Series products,

1 million key changes available (Million Lock Series).



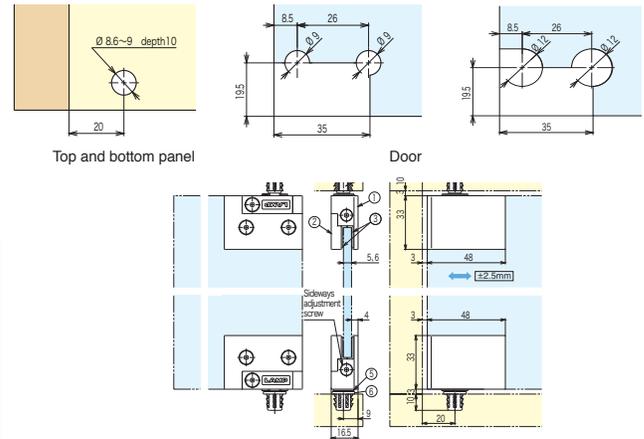
## GLASS HINGE (INSET)

## GS-GH5



- Hinge for inset glass door for glass showcase.
- Can be used together with glass bracket GS-GB5 (below) and lock GS-GL5.
- Temporary holding feature allows for easy installation of the door by one person.
- Sideways adjustment ( $\pm 2.5\text{mm}$ ) possible after installation of the door.
- Finishes: Chrome, Gold Plated
- Sold in pairs.

### Installation drawings



No.	Part Name	Material	Finish
①	Body	Zinc Alloy	Chrome, 24K Gold Plated
②	Back Plate		
③	Washer	Chloroprene Rubber	Black
④	Axis	Stainless Steel	Plain
⑤	Plastic Washer	Polyamide	Black
⑥	Metal Plate	Stainless Steel	Plain
⑦	Insert	Zinc Alloy	

Item Name	Door Width(mm)	Door Height(mm)	Door Weight(kg)	Glass Thickness(mm)	Finish
GS-GH5-CR	Max. 17-3/4" (450)	Max. 23-5/8" (600)	11lbs (5)/2pcs	Min. 3/16~1/4" (5-6)	Chrome, Gold Plated
GS-GH5-GP					

## GLASS BRACKET

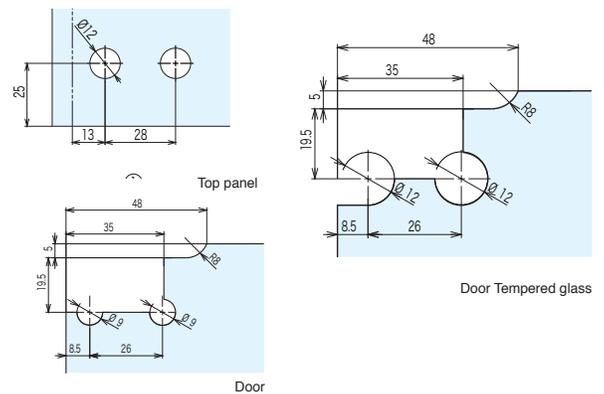
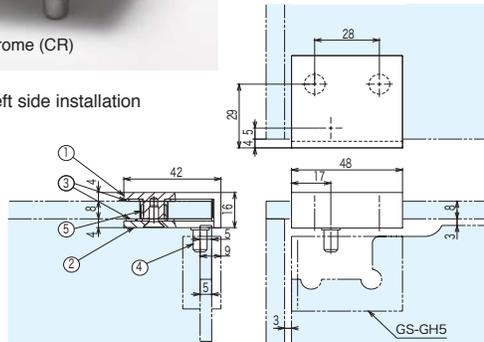
## GS-GB5



- Can be used together with glass hinge GS-GH5 (above) and lock GS-GL5.

### Installation drawings

Drawing shows left side installation



No.	Part Name	Material	Finish
①	Body	Zinc Alloy	Chrome, 24K Gold Plated
②	Back Plate	304 Stainless Steel	
③	Washer	Chloroprene Rubber	Black
④	Axis	Stainless Steel	Plain
⑤	Tube	Polyvinyl Chloride	Clear

Item Name	Type	Glass Thickness(mm)	Finish
GS-GB5-R-CR	Right	15/16" (8)	Chrome
GS-GB5-L-CR	Left		
GS-GB5-R-GP	Right		24K Gold Plated
GS-GB5-L-GP	Left		

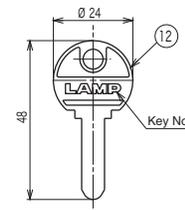
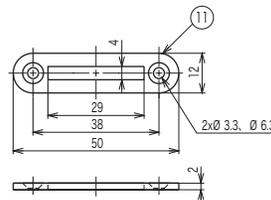
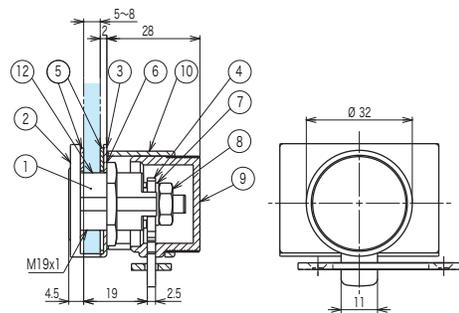
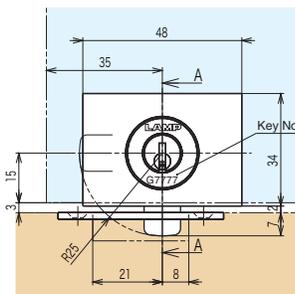
# GLASS DOOR CAM LOCK (MILLION LOCK SERIES)

## GS-GL5

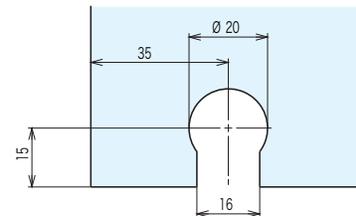


- Cylinder lock for Glass swing door.
- Designed to match aesthetically with the GS-GH5 glass hinge and GS-GB5 bracket.
- Reversible key. Turn the key 90° to lock and unlock. Key can only be removed when locked.
- Dimple key with up to 1 million key changes. Master key system available at surcharge (Max. 2,520 key changes/master key.).
- Keys can be shared with other Million Lock Series.

A-A dimension



Cut Out Dimensions



No.	Part Name	Material	Finish
①	Body	Brass	24K Gold Plated, Chrome
②	Front Plate	Zinc Alloy	
③	Back Plate		
④	Lock Plate	304 Stainless Steel	Mirror
⑤	Rubber Washer	Chloroprene Rubber	Black
⑥	Hex Nut	Steel	Silver
⑦	Washer		
⑧	Hex Nut		
⑨	Cover	Polypropylene	Black
⑩	Ring		
	Strike	Steel	Chomee, 24K Plated Gold
	Key	Brass	Nickel

Item Name	Glass Thickness(mm)	Finish
GS-GL5-CR	3/16~5/16"	Chrome
GS-GL5-GP	(5~8)	Gold Plated

For detailed information and our full product line, visit us at [www.sugatsune.com](http://www.sugatsune.com)  
Toll Free: 800-562-5267

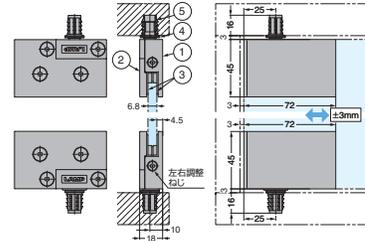
## GLASS HINGE (INSET)

## GS-GH20

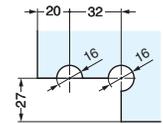


- Glass showcase hinge for inset door application.
- Can be used with the Million Lock Cylinder GS-GL20 to ensure unified design (lock, catch and hinge).
- Temporary hold function that enables a single person to install the door.
- Adjustments for up to  $\pm 3$ mm by simply turning the adjustment screw.

No.	Part Name	Material	Finish
①	Body	Zinc Alloy	Chrome, 24K Gold Plated, Black
②	Back Plate		
③	Washer	Chloroprene Rubber	Black
④	Axis	Stainless Steel	Stainless Steel
⑤	Tube	Polyvinyl Chloride	-



### Cut Out Dimensions



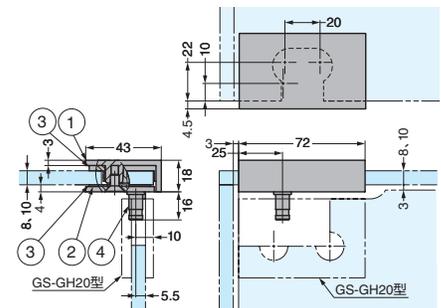
Item Name	Door Width(mm)	Door Height(mm)	Door Weight(kg)	Glass Thickness(mm)	Finish
GS-GH20-CR	Max. 17-3/4" (700)	Max. 23-5/8" (1600)	11lbs (5)/2pcs	Min. 1/4~5/16" (6~8)	Chrome
GS-GH20-GP					Gold Plated
GS-GH20-BL					Black

## GLASS BRACKET

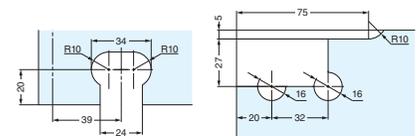
## GS-GB20



- Can be used together with glass hinge GS-GH20 (above) and lock GS-GL20.



### Cut Out Dimensions



No.	Part Name	Material	Finish
①	Body	Zinc Alloy	Chrome, 24K Gold Plated, Black Painted
②	Back Plate	304 Stainless Steel	
③	Washer	Chloroprene Rubber	Black
④	Rotating Axis	Stainless Steel	Stainless Steel

Item Name	Type	Glass Thickness(mm)	Finish
GS-GB20-R-CR	Right	5/16~3/8" (8~10)	Chrome Plated
GS-GB20-L-CR	Left		
GS-GB20-R-GP	Right		24K Gold Plated
GS-GB20-L-GP	Left		
GS-GB20-R-BL	Right		Black Painted
GS-GB20-L-BL	Left		

# GLASS DOOR CAM LOCK

# GS-GL20



Chrome (CR)

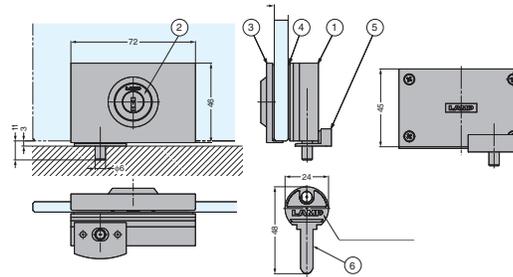
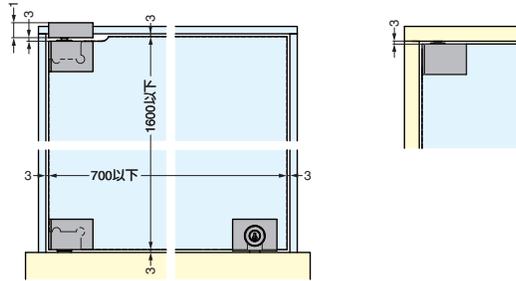


Gold Plated (GP)



Black (BL)

- Cylinder lock for Glass swing door.
- Designed to match aesthetically with the GS-GH20 glass hinge.
- Reversible key. Turn the key 90° to lock and unlock. Key can only be removed when locked.
- Dimple key with up to 1 million key changes. Master key system available at surcharge (Max. 2,520 key changes/master key.).
- Keys can be shared with other Million Lock Series.



No.	Part Name	Material	Finish		
			CR	GP	BL
①	Lock	Zinc Alloy	Chrome Plated	24K Gold Plated	Black
②	Cylinder	Brass			
③	Front Plate	Zinc Alloy			
④	Spacer	ABS	Black		
⑤	Back Plate	Zinc Alloy	Chrome Plated	24K Gold Plated	
⑥	Key	Brass	Nickel Plating		

Item Name	Glass Thickness(mm)	Finish
GS-GL20-CR	1/4~3/8" (6~10)	Chrome
GS-GL20-GP		Gold Plated
GS-GL20-BL		Black

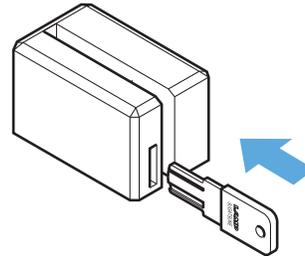
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Toll Free: 800-562-5267

# GLASS SHOWCASE HARDWARE SERIES

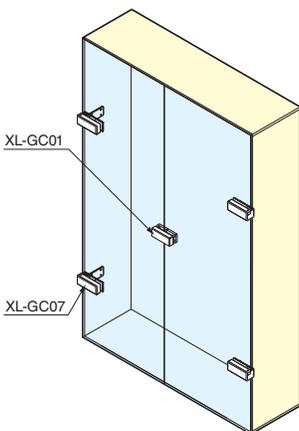
# XL-GC



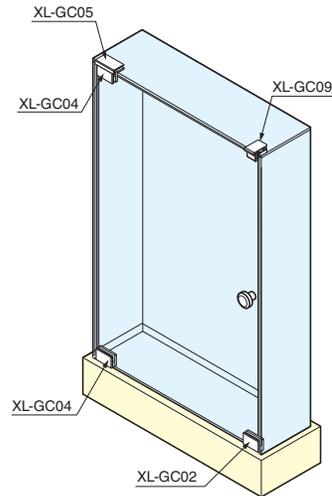
- Integrated designs of hinges, locks and sliding door hardware.
- Showcase doors can be operated with a single key.
- Key hole is located on the side for a clean appearance.
- Insert key to unlock.
- Locks when key is pulled out.



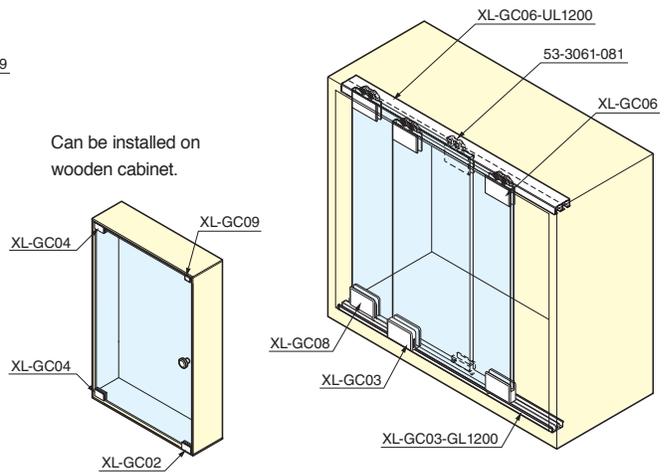
Double Door



Swing Door



Sliding Door



SHOWCASE HARDWARE

**Locks**

Part Name	Item Name	Image	Page
For Double Doors	XL-GC01		P.26
For Swing Doors	XL-GC02		
For Sliding Doors	XL-GC03		

**Hinges**

Part Name	Item Name	Image	Page
Inset Type	XL-GC04-CR		P.25
Overlay Type	XL-GC07-CR		
Glass Bracket	XL-GC05		

**Sliding Door Hardware**

Part Name	Item Name	Image	Page
Upper Bracket	XL-GC06-CR		P.27
Bottom Guide Bracket	XL-GC08-CR		

**Catch**

Part Name	Item Name	Image	Page
Magnetic Catch	XL-GC09-CR		P.27

## GLASS PIVOT HINGE (INSET)

## XL-GC04-CR

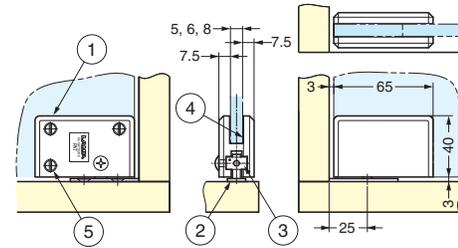


2 pieces included.

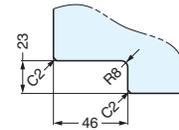
- Inset-type hinge for glass cabinet.
- For use as a pair (top/bottom).
- Compatible with glass door lock XL-GC02 and bracket XL-GC05.

No.	Part Name	Material	Finish
①	Body	Zinc Alloy	Chrome
②	Back Plate	Steel	
③	Plate	304 Stainless Steel	Plain
④	Spacer	Polyvinyl Chloride Resin	Clear
⑤	Screw	304 Stainless Steel	Plain

Item Name	Door Width(mm)	Door Height(mm)	Load Capacity (kg)	Glass Thickness(mm)
XL-GC04-CR	Max. 19-11/16" (500)	Max. 47-1/4" (1200)	26.5lbs (12)	3/16~5/16" (5~8)



Cut Out Dimensions



## GLASS BRACKET

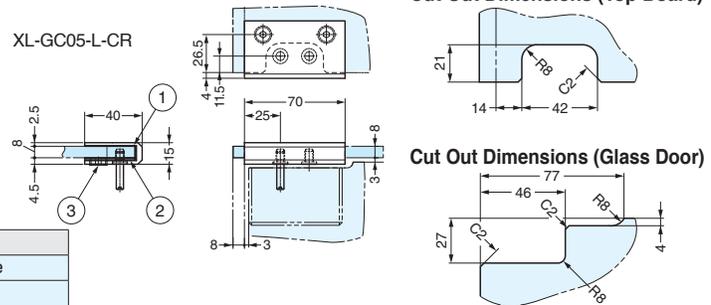
## XL-GC05



- Bracket for hinge XL-GC04 (sold separately).
- For use when top panel is glass.

No.	Part Name	Material	Finish
①	Body	Zinc Alloy	Chrome
②	Spacer	Polyvinyl Chloride Resin	Clear
③	Screw	304 Stainless Steel	Plain

Item Name	Type	Glass Thickness(mm)	Material	Finish
XL-GC05-R-CR	Right	5/16"	Zinc Alloy	Chrome
XL-GC05-L-CR	Left	(8)		



Cut Out Dimensions (Top Board)

Cut Out Dimensions (Glass Door)

## GLASS HINGE (OVERLAY, W/ CATCH)

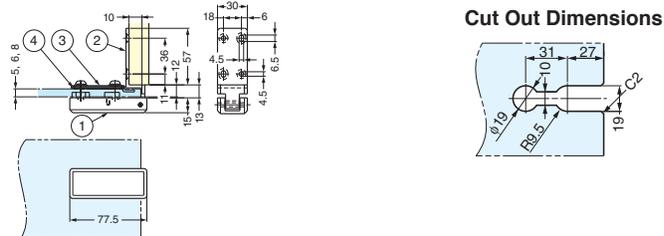
## XL-GC07



- 3/8" (10mm) overlay hinge with catch for glass cabinetry.
- Not for use with the lock XL-GC02.

No.	Part Name	Material	Finish
①	Body	Zinc Alloy	Chrome
②	Hinge Plate		
③	Back Plate	Steel	
④	Spacer		

Item Name	Door Width(mm)	Door Height(mm)	Glass Thickness(mm)	Door Weight(kg)
XL-GC07-CR	Max. 19-11/16" (500)	Max. 47-1/4" (1200)	3/16~5/16" (5~8)	Max. 26.4lbs/2pcs (12/2pcs)



Cut Out Dimensions

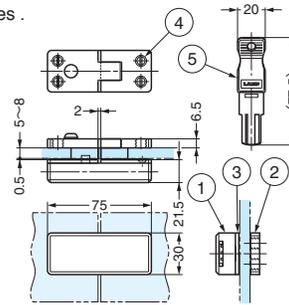
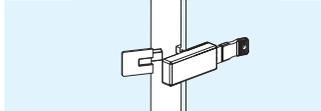
## LOCK FOR DOUBLE SWINGING GLASS DOOR

## XL-GC01

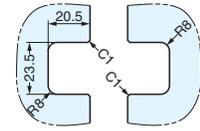


- Dual locking mechanism: locks and unlocks both doors at once by inserting the key.
- Non-handed. Key hole located on the right side for clean appearance and high security.
- Key works as a knob in unlocked position.
- 24 key changes available.
- Use with XL-GL Series .

Installation



Cut Out Dimensions



No.	Part Name	Material	Finish
①	Body	Zinc Alloy	Chrome
②	Counterplate		
③	Spacer	Vinyl Chloride Resin	Clear
④	Screws	304 Stainless Steel	Plain
⑤	Key	Brass/ABS	Nickel/Black

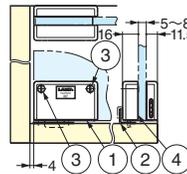
Item Name	Glass Thickness(mm)
XL-GC01-C	3/16~5/16" (5~8)

## LOCK FOR INSET SWINGING GLASS DOOR

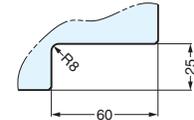
## XL-GC02



- Locks are handed left or right. Key hole located on the side for a clean appearance.
- Lock cam swings downwards into frame.
- Includes two keys.
- Use with XL-GL Series .



Cut Out Dimensions



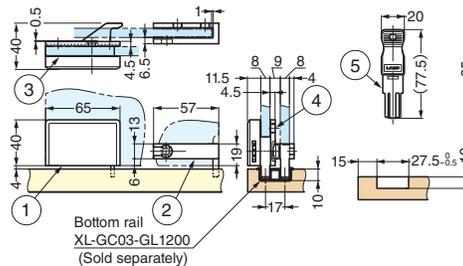
No.	Part Name	Material	Finish
①	Body	Zinc Alloy	Chrome
②	Strike	304 Stainless Steel / Chloroprene Rubber	Gloss Barrel/Black
③	Fixing Screw	304 Stainless Steel	Plain
④	Spacer	Rubber	Black
⑤	Key	Brass/ABS	Nickel/Black

Item Name	Type	Glass Thickness(mm)
XL-GC02-R-C	Right	3/16~5/16" (5~8)
XL-GC02-L-C	Left	

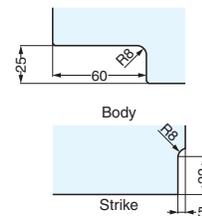
## LOCK FOR SLIDING GLASS DOOR

## XL-GC03

- For bypass sliding glass doors.
- Key hole located on the right side for a clean appearance.
- Use with XL-GL Series .



Cut Out Dimensions



No.	Part Name	Material	Finish
①	Body	Zinc Alloy	Chrome
②	Strike		
③	Spacer	Rubber	Black
④	Fixing Screw	304 Stainless Steel	Plain
⑤	Key	Brass/ABS	Nickel/Black

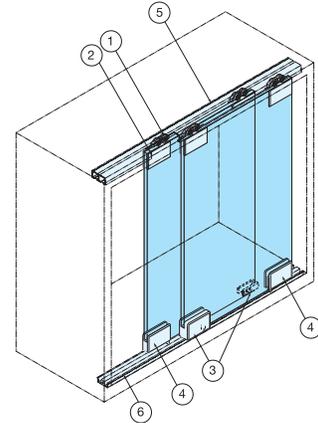
Item Name	Glass Thickness(mm)
XL-GC03-C	5/16" (8)



# XL-GC SERIES (FOR SLIDING DOORS)



Door Width(mm)	Max. 19-11/16"(500)
Door Height(mm)	Max. 47-1/4"(1200)
Door Weight(kg)	Max. 26.5 lbs (12) / Per Door
Glass Thickness(mm)	5/16" (8)



### Part Details

Order Quantity	No.	Item No.	Part Name		Dimensions	Description
4 ea	①	57-3149-071	Upper Roller			<ul style="list-style-type: none"> <li>Material: Zinc Alloy (Body), Polyacetal (Roller)</li> <li>Finish / Color: Yellow Zinc Chromate (Body), White (Roller)</li> </ul>
1 set	②	XL-GC06-C	Upper Bracket		See P.563	<ul style="list-style-type: none"> <li>Material: Zinc Alloy</li> <li>Finish / Color: Chrome</li> </ul> <p>*4 pcs per set (for 2 glass doors)</p>
1 ea	③	XL-GC03-C	Lock		See P.563	<ul style="list-style-type: none"> <li>Material: Zinc Alloy</li> <li>Finish / Color: Chrome</li> </ul> <p>*24 key changes (2 keys Included)</p>
1 pair	④	XL-GC08-C	Bottom Guide Bracket		See P.563	<ul style="list-style-type: none"> <li>Material: Zinc Alloy</li> <li>Finish / Color: Chrome</li> </ul> <p>*1 pair (Left / Right) per set</p>
1 ea	⑤	XL-GC06-UL1200	Upper Rail			<ul style="list-style-type: none"> <li>Material: Aluminum</li> <li>Finish / Color: Plain</li> </ul> <p>*Length: 47-1/4" (1200 mm)</p>
1 ea	⑥	XL-GC03-GL 1200	Bottom Rail			<ul style="list-style-type: none"> <li>Material: ABS</li> <li>Finish / Color: Black</li> </ul> <p>*Length: 47-1/4" (1200mm)</p>

SHOWCASE HARDWARE



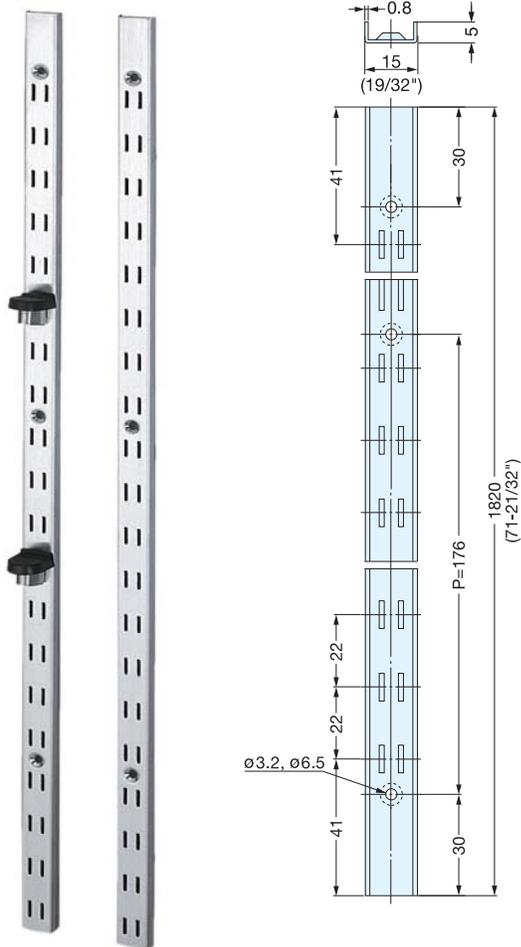
SHOWCASE HARDWARE

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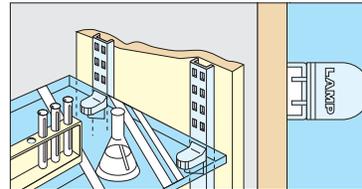
**LAMP.**  
by SUGATSUNE

## SHELF STANDARD

## SPH-1820



- Easy height adjustment for changing shelf level.
- Shelf support options:  
SPH-5, SPH-15, SPH-20 (Shelf Supports) SP-18E (End Cap)

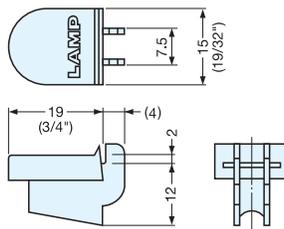


Surface Mount

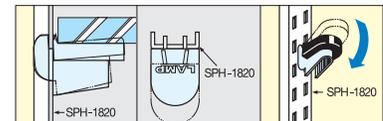
Item No.	Weight (g)	Carton (pcs)	Material	Finish
SPH-1820	230	80	304 Stainless Steel	Satin

## SHELF SUPPORT

## SPH-20



- Shelf support for SPH-1820.
- Rubber pad provides a gripped surface to reduce slippage.



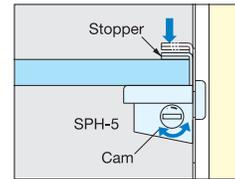
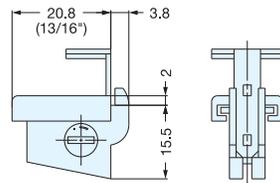
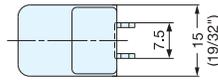
Item No.	Load Capacity (kg)	Weight (g)	Box (pcs)	Carton (pcs)	Material	Finish/Color
SPH-20	286lbs (130)/4pcs	4.5	300	3000	304 Stainless Steel	Satin
					Synthetic Rubber Pad	Black

# SHELF SUPPORT (W/HOLDER)

# SPH-5



- Shelf support for SPH-1820.
- Shelf support is friction retention.
- Glass thickness: 4 ~ 8 mm (5/32" ~ 5/16") thickness
- Rubber pad provides a gripped surface to reduce slippage.



Item No.	Load Capacity (kg)	Weight (g)	Box (pcs)	Carton (pcs)
SPH-5	286lbs (130)/4pcs	8	100	1000

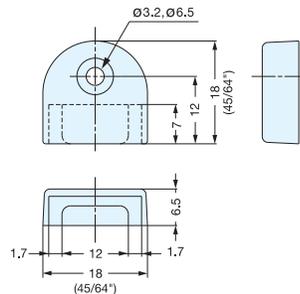
Material	Finish/Color
304 Stainless Steel	Satin
Synthetic Rubber pad	Black

# END CAP

# SPH-18E



- End cover cap for SPH, SM, SP shelf standards.



Item No.	Weight (g)	Box (pcs)	Carton (pcs)
SPH-18E/BLK	1.3	500	5000
SPH-18E/WHT			

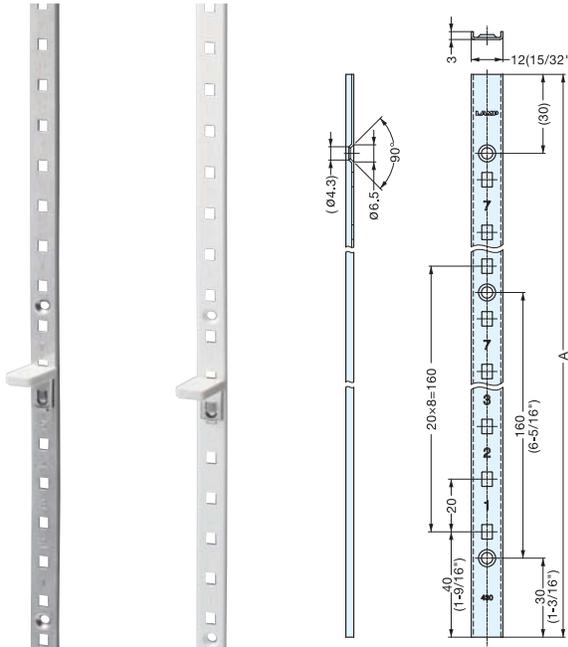
Material	Color
ABS	Black (BLK)/White (WHT)

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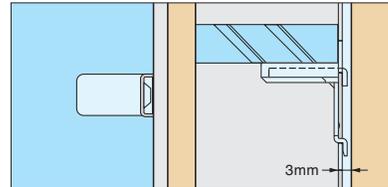


## THIN SHELF STANDARD

## SPE-1820



- 430 stainless steel shelf standard, available in plain, white or black finish.
- Use with SPE-FB20S and SPE-FC20 shelf supports and end caps (both sold separately).



SPE-1820      SPE-1820WT

Item No.	Length	Weight (g)	Box (pcs)
SPE-1820	71-5/8" (1820 mm)	156	100
SPE-1820WT			

Material	Finish
430 Stainless Steel	Plain, White(WT), Black (BL)

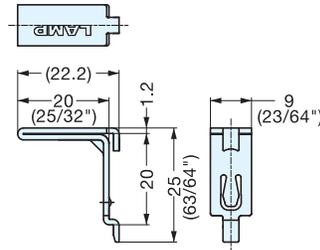
## SHELF SUPPORT/ CAP

## SPE-FB20S, SPE-FC20

### ■ SHELF SUPPORT



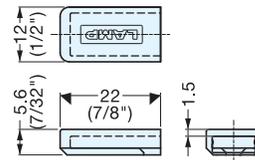
SPE-FB20S      SPE-FB20SWT



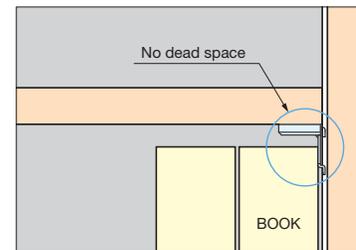
### ■ CAP



SPE-FC20



- SPE-FB20S available in Plain or White (WT) finish.
- Use with SPE-1820 shelf standards (sold separately).



Item No.	Load Capacity (kg)	Weight (g)	Box (pcs)	Carton (pcs)
SPE-FB20S	176 lbs (80)/4pcs	5	300	3000
SPE-FB20SWT				
Item No.	Weight (g)	Box (pcs)	Carton (pcs)	
SPE-FC20	1	300	3000	

### ■ SHELF SUPPORT

Material	Finish
430 Stainless Steel	Plain, White (WT)

### ■ CAP

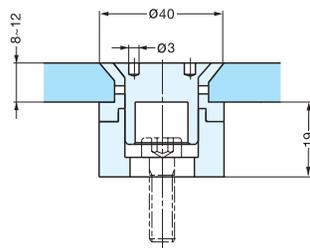
Material	Finish
Elastomer (TPE)	Light Grey

# GLASS STANDOFF

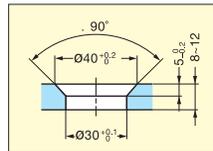
## 700VA



- Flush mount type glass standoff.
- Recommended Screw Size: M8 bolt
- Recommended for use with tempered glass.



Cut Out Dimension



Z058  
\* Special wrench Z058 required for installation. (Sold Separately)

Item No.	Glass Thickness (mm)	Weight (g)	Box (pcs)	Carton (pcs)
7000VA	8~12	167	4	40

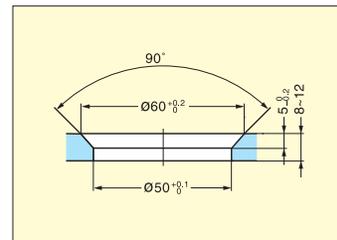
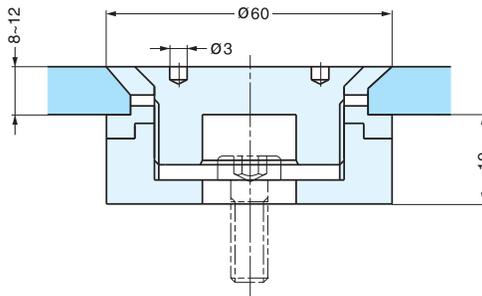
Material	Finish
302 Stainless Steel/Aluminum	Satin

# GLASS STANDOFF

## 7010VA



- Flush mount type glass standoff.
- Recommended Screw Size: M8 bolt
- Recommended for use with tempered glass.



Cut Out Dimension



Z058  
\* Special wrench Z058 required for installation. (Sold Separately)

Item No.	Glass Thickness (mm)	Weight (g)	Box (pcs)	Carton (pcs)
7010VA	8~12	435	4	40

Material	Finish
302 Stainless Steel/Aluminum	Satin

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## GLASS STANDOFF

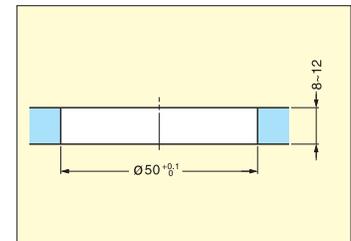
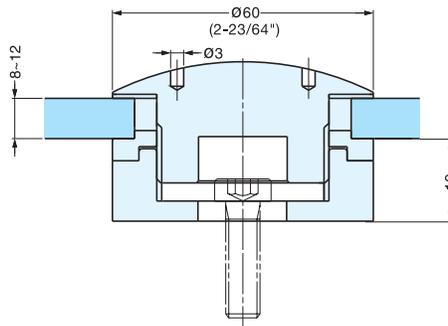
### 7015VA



- Glass standoff with round face plate.
- Recommended Screw Size: M8 bolt
- Recommended for use with tempered glass.



Z058  
\* Special wrench Z058 required for installation. (Sold Separately)



Cut Out Dimension

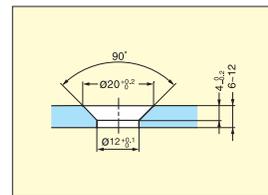
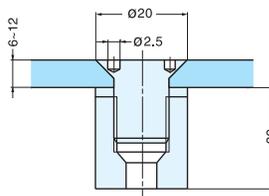
Item No.	Glass Thickness (mm)	Weight (g)	Box (pcs)	Carton (pcs)	Material	Finish
7015VA	8~12	520	4	40	302 Stainless Steel/Aluminum	Satin

## GLASS STANDOFF

### 7060ED



- Flush mount type glass standoff.
- Recommended Screw Size: M5 bolt
- Recommended for use with tempered glass.



Cut Out Dimension

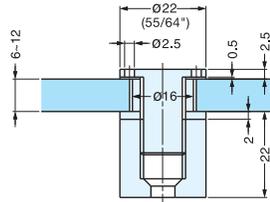


Z059  
\* Special wrench Z059 required for installation. (Sold Separately)

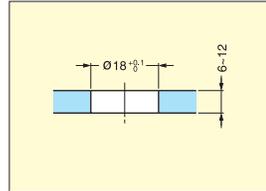
Item No.	Glass Thickness (mm)	Weight (g)	Box (pcs)	Carton (pcs)	Material	Finish
7060ED	6~12	23	10	100	Aluminum	Anodized

# GLASS STANDOFF

# 7061VA



- Glass standoff with flat face plate.
- Recommended Screw Size: M5 bolt
- Recommended for use with tempered glass.



Cut Out Dimension



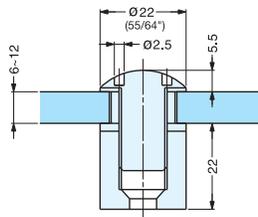
Z059  
\* Special wrench Z059 required for installation. (Sold Separately)

Item No.	Glass Thickness (mm)	Weight (g)	Box (pcs)	Carton (pcs)
7061VA	6~12	69	10	100

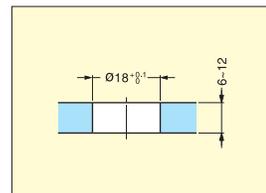
Material	Finish
304 Stainless Steel	Satin

# GLASS STANDOFF

# 7062VA



- Glass standoff with round face plate.
- Recommended Screw Size: M5 bolt
- Recommended for use with tempered glass.



Cut Out Dimension



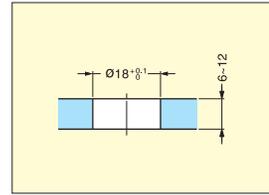
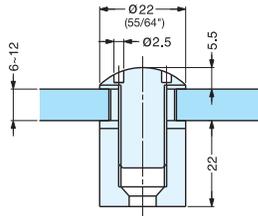
Z059  
\* Special wrench Z059 required for installation. (Sold Separately)

Item No.	Glass Thickness (mm)	Weight (g)	Box (pcs)	Carton (pcs)
7062VA	6~12	71	10	100

Material	Finish
304 Stainless Steel	Satin

## GLASS STANDOFF

7062VA



Cut Out Dimension



\* Special wrench Z059 required for installation. (Sold Separately)

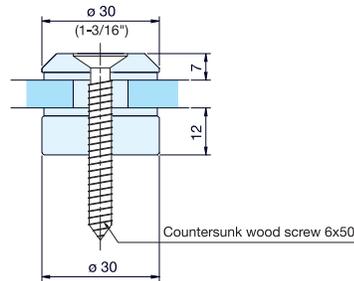
- Glass standoff with round face plate.
- Recommended Screw Size: M5 bolt
- Recommended for use with tempered glass.

Item No.	Glass Thickness (mm)	Weight (g)	Box (pcs)	Carton (pcs)
7062VA	6~12	71	10	100

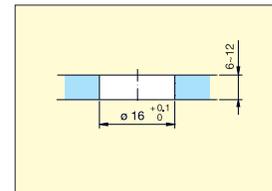
Material	Finish
304 Stainless Steel	Satin

## GLASS STANDOFF

7083VA



- Glass standoff with round face plate.
- Recommended for use with tempered glass.



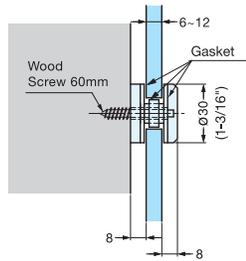
Cut Out Dimension

Item No.	Glass Thickness (mm)	Weight (g)	Box (pcs)	Carton (pcs)
7083VA	6~12	84	10	100

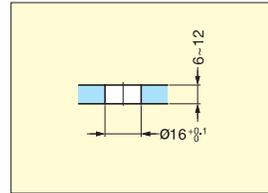
Material	Finish
304 Stainless Steel	Satin

# GLASS STANDOFF

4872



- Glass standoff with plain flat face plate.
- Supplied with 60 mm length wood screw.
- Recommended for use with tempered glass.



Z057  
\* Special wrench Z057 required for installation. (Sold Separately)

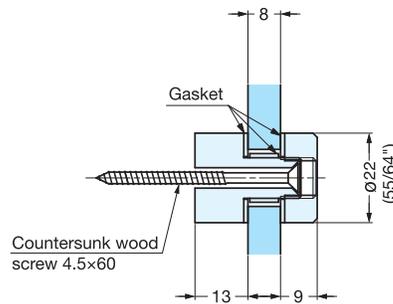
Cut Out Dimension

Item No.	Glass Thickness (mm)	Weight (g)	Box (pcs)	Carton (pcs)
4872ZN1	6~12	80	10	100
4872ZN5				

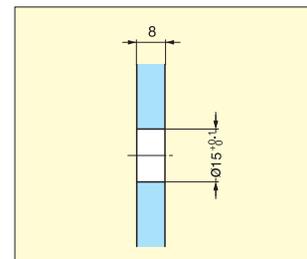
Material	Finish
Zinc Alloy	Matte Chrome
	Chrome

# GLASS STANDOFF

7120VA



- Small stand off with cover cap.
- Supplied with flat head wood screw 4.5 x 60.
- Recommended for use with tempered glass.



Cut Out Dimension

Item No.	Glass Thickness (mm)	Weight (g)	Box (pcs)	Carton (pcs)
7120VA	8	62	10	100

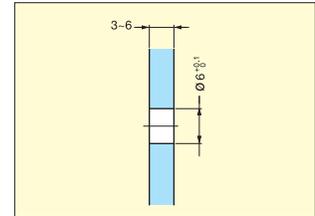
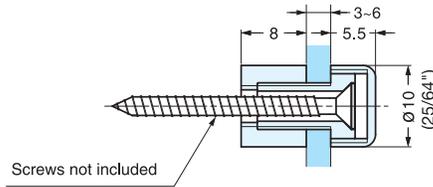
Material	Finish
304 Stainless Steel	Satin

## GLASS STANDOFF

## 7140E1EV1



- Mini stand off with cover cap.
- Screw not supplied.
- Recommended for use with tempered glass.
- Recommended screw size: M3



Cut Out Dimension

Item No.	Glass Thickness (mm)	Weight (g)	Box (pcs)	Carton (pcs)
7140E1EV1	3-6	3	10	100

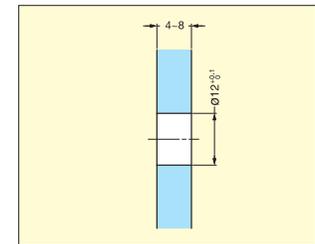
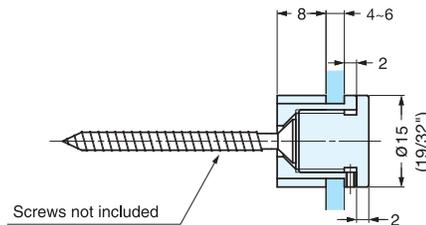
Material	Finish
Aluminum/Brass	Anodized/Nickel Plated

## GLASS STANDOFF

## 7144E1EV1



- Small stand off with cover cap.
- Screw not supplied.
- Recommended for use with tempered glass.
- Recommended screw size: M4



Cut Out Dimension

Item No.	Glass Thickness (mm)	Weight (g)	Box (pcs)	Carton (pcs)
7144E1EV1	4-8	5	10	100

Material	Finish
Aluminum	Anodized

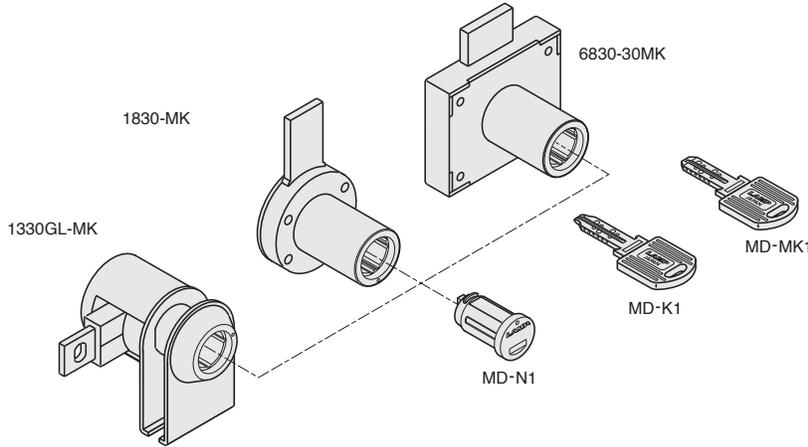


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Toll Free: 800-562-5267

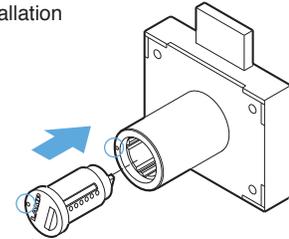
**LAMP.**  
by SUGATSUNE

## INTERCHANGEABLE LOCK SERIES

- Interchangeable system allows easy cylinder replacement in case key is lost.
- Master key for easy key management.
- 7,800 key changes available.
- Master key (sold separately) can manage different key numbers (max. 750 key changes).
- Reversible key.

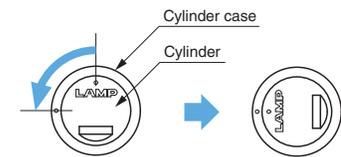


### Installation



Place two dots in the same position and insert the cylinder.

### How to Remove the Cylinder

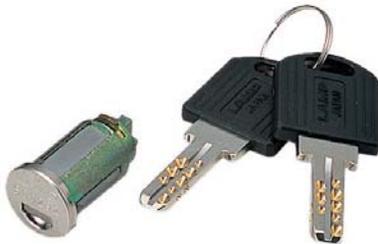


Turn cylinder by using the Change Key (optional parts) Place two dots in the same position

## INTERCHANGEABLE CYLINDER

## MD-N1

- For 6830-30MK, 1830-MK and 1330GL-MK.
- 7,800 key changes available (max. 750 key changes).



Item Name	Key Type	Material	Finish
MD-N1-B	Key Different	304 Stainless	Polished/ Yellow Zinc
MD-N1-D	Key Alike	Steel/Zinc Alloy	Chromate

## MASTER KEY & CHANGE KEY

## MD-MK1, MD-K1

- MD-MK1 - Master Key for easy key management.
- MD-K1 - Change Key to remove existing cylinder.



Item Name	Key Type	Material	Finish
MD-MK1	Master Key	Brass/ABS	Nickel/Black
MD-K1	Change Key		

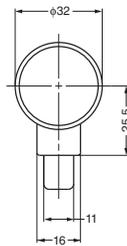
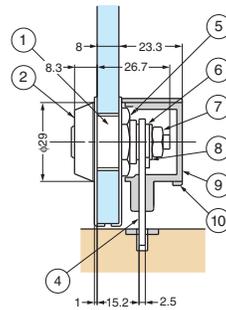
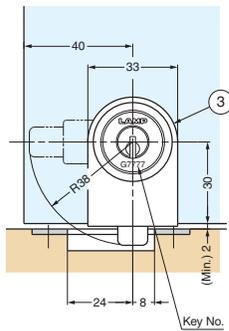


# GLASS DOOR CAM LOCK (MILLION LOCK SERIES)

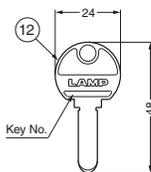
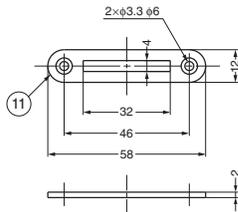
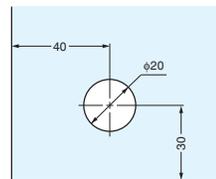
1300GL



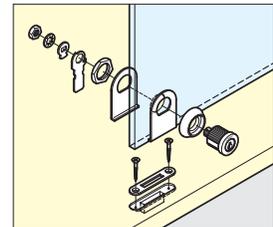
- Dimple key lock series.
- Ideal for showcase application.
- Reversible key. Lock and unlock to turn key 360° and cam turns 90°.
- Able to remove key when locked and unlocked.
- 1 million key changes available.
- Master Key system available at surcharge.  
(Max. 2,520 key changes/Master Key.)
- Keys can be shared with other Million Lock Series.



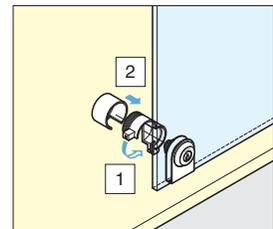
### Cut Out Dimensions



### Installation



### How to Install Cover & Ring



No.	Part Name	Material	Finish
①	Body	Brass	Satin Nickel
②	Ring		
③	Front Plate	304 Stainless Steel	Polished
④	Cam		
⑤	Hex Nut	Steel	Special Anti Rust Paint/ Silver
⑥	Small Cam	Brass	Nickel
⑦	Hex Nut	Steel	Special Anti Rust Paint/ Silver
⑧	Washer		
⑨	Cover	Polypropylene	Black
⑩	Ring		
	Strike	304 Stainless Steel	Polished
	Key	Brass	Nickel

Item Name	Glass Thickness(mm)
1300GL	3/16~5/16" (5~8)

# GLASS DOOR CAM LOCK (MILLION LOCK SERIES)

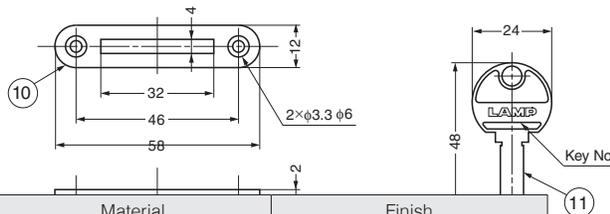
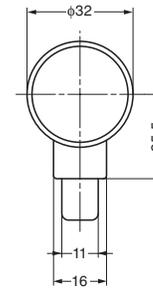
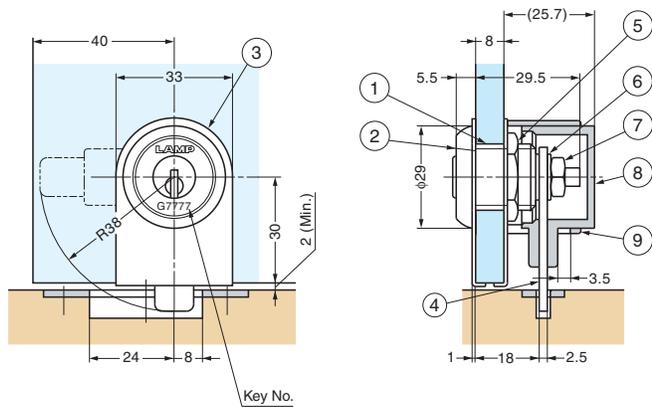
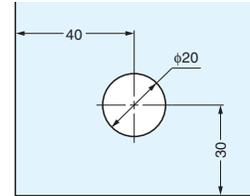
1310GL



Satin Nickel (SN)    Chrome (CR)    Gold (GA)    Black (BL)

- Dimple key lock series. Ideal for showcase application.
- High security reversible key. (3 keys supplied)
- Key acts as a knob and can only be removed when locked.
- 1 million key changes available; please specify keyed alike or differently when ordering.
- Master key system available at surcharge.

### Cut Out Dimensions



No.	Part Name	Material	Finish
①	Body	Brass	Satin Nickel, Chrome, Gold, Black
②	Ring		
③	Front Plate	304 Stainless Steel	Plain
④	Cam		
⑤	Hex Nut	Steel	Silver
⑥	Washer		Nickel
⑦	Hex Nut		Silver
⑧	Case Cover	Polypropylene	Black
⑨	Ring		
⑩	Counterplate	303 Stainless Steel	Polished
	Key	Brass	Nickel

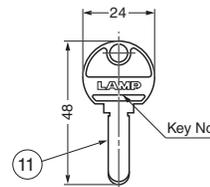
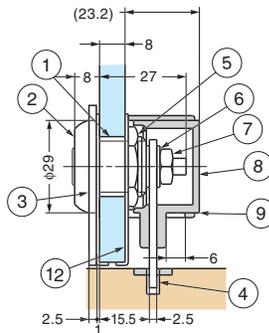
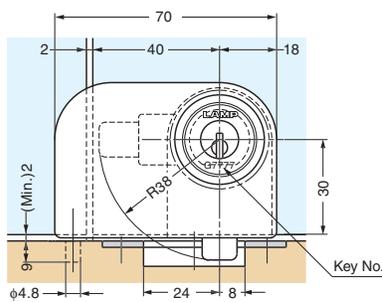
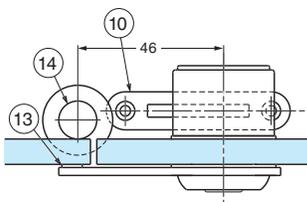
Item Name	Glass Thickness(mm)	Finish
1310GL-SN	3/16~5/16" (5~8)	Satin Nickel
1310GL-CR		Chrome
1310GLGA		Gold
1310GL-BL		Black

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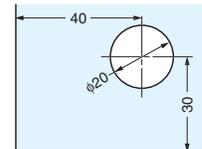
# GLASS DOOR CAM LOCK (MILLION LOCK SERIES)

## 1310GLW

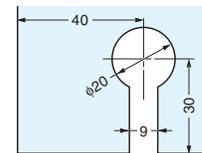
- For double door application.
- Dimple key lock series. Ideal for showcase application.
- Reversible key can be removed when locked and turn 90° rotation clockwise.
- 1 million key changes available.
- Master Key system available at surcharge.  
(Max. 2,520 key changes/Master Key.)
- Keys can be shared with Million Lock Series.



### Cut Out Dimensions



5 or 6 mm glass thickness



8 mm glass thickness

No.	Part Name	Material	Finish
①	Body	Brass	Nickel
②	Ring		
③	Front Plate	304 Stainless Steel	Satin
④	Cam		Plain
⑤	Hex Nut	Steel	Silver
⑥	Washer		
⑦	Hex Nut		
⑧	Cover	Polypropylene	Black
⑨	Ring		
⑩	Counterplate	303 Stainless Steel	Polished
	Key	Brass	Nickel
	Backplate	304 Stainless Steel	Polished
	Stopper	Polyamide	Brown

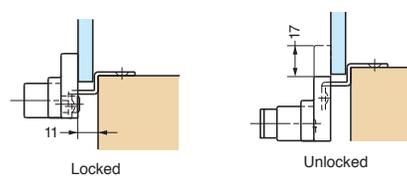
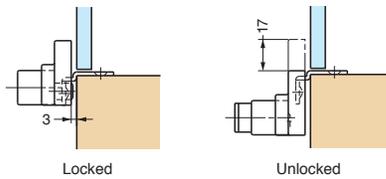
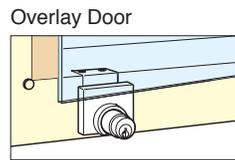
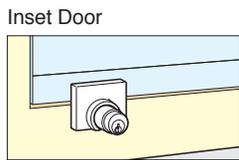
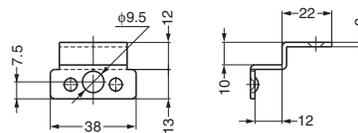
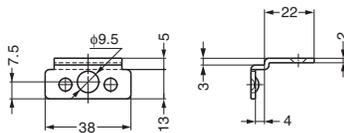
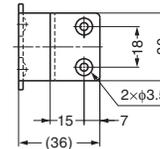
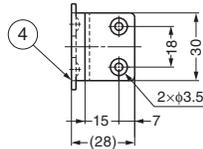
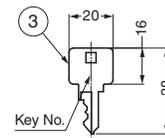
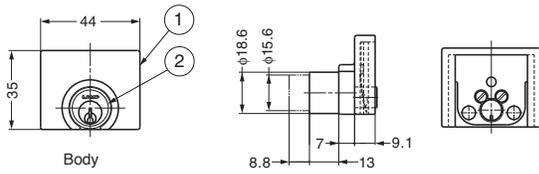
Item Name	Glass Thickness(mm)
1310GLW	3/16"~5/16" (5~8)

# GLASS DOOR LOCK (2100 LOCK SERIES)

# MKL-2100



- Pre-drilling on glass not required.
- For inset door.
  - MKL-B mounting plate (option) is available for overlay.
- Key different type possible as special order (12 key changes).
- Keys can be shared with 2100 Lock Series.
- Mounting plate for inset doors
- Flat head cross screws 3.1 × 1.6 (SUS)



No.	Part Name	Material	Finish
①	Plate	Zinc Alloy	Nickel
②	Push Lock		Chrome
③	Key	Brass	Nickel
④	Counterplate for Inset Door	304 Stainless Steel	Polished

Item Name	Glass Thickness(mm)
MKL-2100	3/16~5/16 (5~8)

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## GLASS DOOR CAM LOCK (W/INDICATOR)

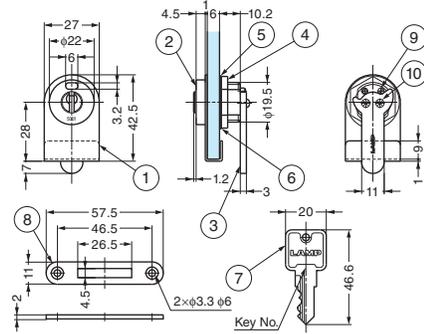
2200GL



- With indicator: Unlocked - Blue, Locked - Red.
- Ideal for application of showcase or audio rack.
- Available for both right and left swing door.
- Key can be removed when locked.
- 12 key changes available. (Max. 300 key changes as special order)
- Master Key system (170 key changes) available at surcharge. (1 Master Key only.)
- Keys can be shared with 2200 Lock Series.

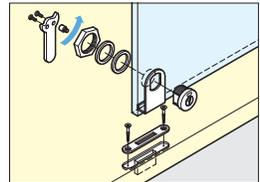
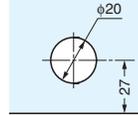
No.	Part Name	Material	Finish
①	Front Plate	303 Stainless Steel	Polished
②	Body	Brass	Nickel
③	Cam	Steel	
④	Hex. Nut	Brass	
⑤	Plastic Washer	Polyamide	
⑥	Washer	Steel	Chrome
⑦	Key	Brass	Nickel
⑧	Counterplate	Steel	Chrome
⑨	Pin	Brass	Plain
⑩	Screw	Steel	Nickel (M2.5x8)

Item Name	Glass Thickness (mm)
2200GL	3/16"~1/4" (4~6)



Installation

Cut Out Dimensions



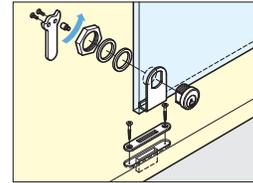
## GLASS DOOR CAM LOCK

2100GL

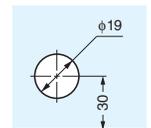


- Brass cylinder glass door lock with 2 keys.
- Key acts as a knob and can only be removed when locked.
- Master key NOT available.
- Keys can be shared with other 2100 series locks.
- 12 key changes available; please specify keyed alike or differently when ordering.

Installation

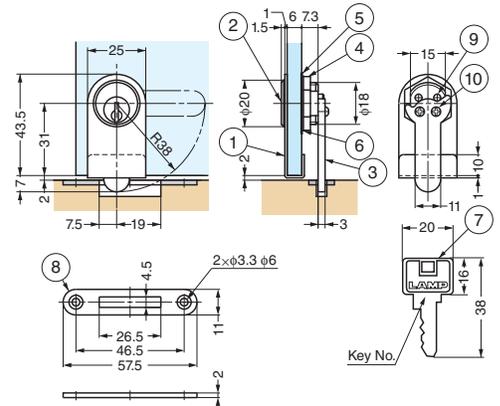


Cut Out Dimensions



No.	Part Name	Material	Finish
①	Front Plate	303 Stainless Steel	Polished
②	Body	Brass	Nickel
③	Cam	Steel	
④	Hex. Nut	Brass	
⑤	Plastic Washer	Polyamide	
⑥	Washer	Steel	Chrome
⑦	Key	Brass	Nickel
⑧	Counterplate	Steel	Chrome
⑨	Pin	Brass	Plain
⑩	Screw	Steel	Nickel (M2.5x8)

Item Name	Glass Thickness (mm)
2100GL	5/32"~1/4" (4~6)

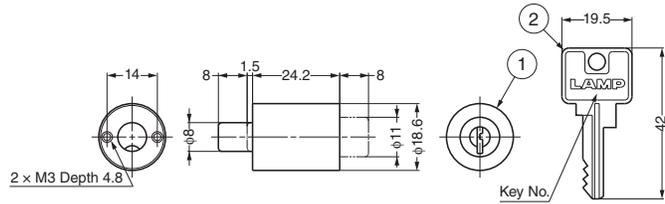


# PUSH LOCK

## 2150B, 2160B



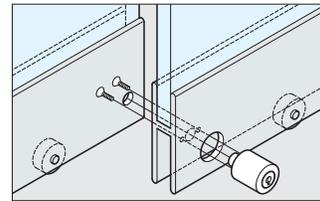
- Zinc alloy cylinder push lock for metal-framed glass door or sheet metal double sliding doors.
- Push cylinder to lock.
- Cylinder Diameter: 12/16" (18.6mm)
- 24 key changes available; Please specify keyed alike or differently when ordering.
- Master key NOT available.



No.	Part Name	Material	Finish
①	Body	Zinc Alloy	Nickel
②	Key	Brass	

Item Name	Metal Frame Thickness(mm)
2150B, 2160B	15/16" (24)

### Installation

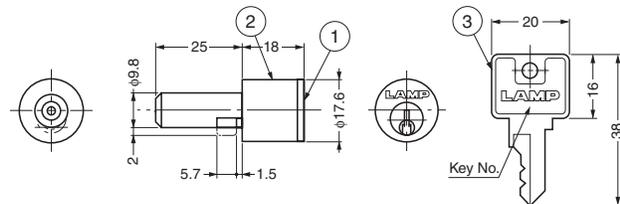


# PUSH LOCK

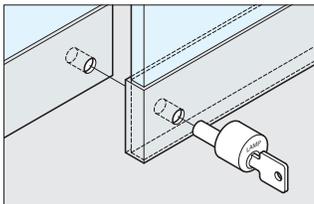
## 6300



- Zinc alloy cylinder push lock for metal-framed glass door or sheet metal double sliding doors.
- Push cylinder to lock.
- Cylinder Diameter: 12/16" (18.6mm).
- 24 key changes available; Please specify keyed alike or differently when ordering.
- Master key NOT available.



### Installation



No.	Part Name	Material	Finish
①	Body	Zinc Alloy	Satin Nickel
②	Cover	Brass	
③	Key		Nickel

Item Name	Metal Frame Thickness(mm)	Cylinder Diameter(mm)	Key Changes
6300	3/4" (19)	11/16" (17.6)	96

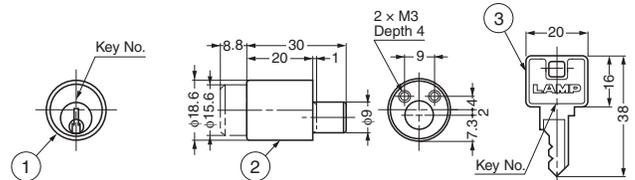
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 Toll Free: 800-562-5267

## GLASS DOOR CAM LOCK (W/INDICATOR)

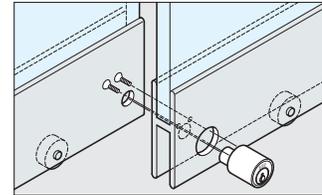
2100B



- Zinc alloy cylinder push lock for metal-framed glass door or sheet metal double sliding doors.
- Key is required to lock and to unlock.
- To Lock: Insert key at turn 60° clockwise. Push in the cylinder and turn the key 60° back.
- Cylinder Diameter: 3/4" (18.6mm)
- Keys can be shared with other 2100 series locks.
- 12 key changes available: Please specify keyed alike or differently when ordering.



### Installation



No.	Part Name	Material	Finish
①	Body	Zinc Alloy	Satin Nickel
②	Key	Brass	Nickel

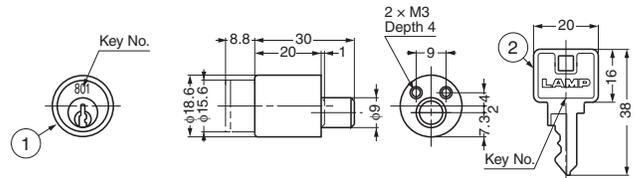
Item Name	Metal Frame Thickness(mm)	Cylinder Diameter(mm)	Key Changes
2100B	25/32" (20)	3/4" (18.6)	12

## PUSH LOCK

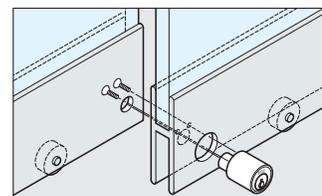
2110B



- Zinc alloy cylinder push lock for metal-framed glass door or sheet metal double sliding doors.
- Key is required to lock and unlock.
- To Lock: Insert key and turn 60° clockwise. Push-in the cylinder and turn the key 60° back.
- Cylinder Diameter: 3/4" (18.6mm)
- Keys can be shared with other 2100 series locks.
- 12 key changes available: Please specify keyed alike or differently when ordering.



### Installation



No.	Part Name	Material	Finish
①	Body	Zinc Alloy	Satin Nickel
②	Key	Brass	Nickel

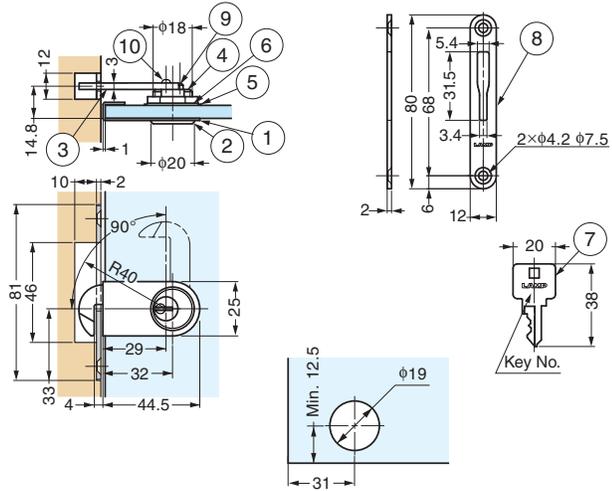
Item Name	Metal Frame Thickness(mm)	Cylinder Diameter(mm)	Key Changes
2110B	13/16" (20)	3/4" (18.6)	12

# GLASS DOOR CAM LOCK

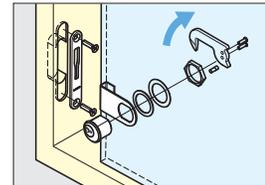
# 2100GLK



- For swinging glass doors with glass 5/32" to 1/4" (4-6mm) thick.
- Requires Ø23/32" (19mm) bore for installation.
- Non-handed, swinging cam can be mounted to swing left or right.
- Key acts as a knob and can only be removed when locked.
- 12 key changes are available; please specify keyed alike or differently when ordering.



### Installation



No.	Part Name	Material	Finish
①	Front Plate	304 Stainless Steel	Satin
②	Body	Brass	Satin Nickel
③	Cam	Steel	Nickel
④	Hex. Nut	Brass	
⑤	Plastic Washer	Polyamide	Natural
⑥	Washer	Steel	Nickel
⑦	Key	Brass	
⑧	Counterplate	Steel	
⑨	Pin	Brass	Plain
⑩	Screw	Steel	Nickel

Item Name	Glass Thickness(mm)	Key Changes
2100GLK	3/16"~1/4" (4~6)	12

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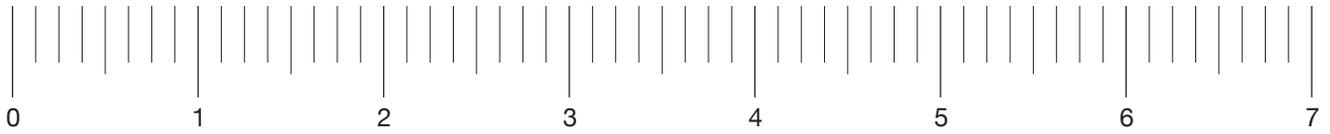


## Inch to Metric Conversion table

## Metric to Inch Conversion

	1"	2"	3"	4"	5"	6"	7"	8"	9"	10"	11"	12"
0/0	0.0	25.4	50.8	76.2	101.6	127.0	152.4	177.8	203.2	228.6	254.0	304.8
1/64	0.4	25.8	51.2	76.6	102.0	127.4	152.8	178.2	203.6	229.0	254.4	305.2
1/32	0.8	26.2	51.6	77.0	102.4	127.8	153.2	178.6	204.0	229.4	254.8	305.6
3/64	1.2	26.6	52.0	77.4	102.8	128.2	153.6	179.0	204.4	229.8	255.2	306.0
1/16	1.6	27.0	52.4	77.8	103.2	128.6	154.0	179.4	204.8	230.2	255.6	306.4
5/64	2.0	27.4	52.8	78.2	103.6	129.0	154.4	179.8	205.2	230.6	256.0	306.8
3/32	2.4	27.8	53.2	78.6	104.0	129.4	154.8	180.2	205.6	231.0	256.4	307.2
7/64	2.8	28.2	53.6	79.0	104.4	129.8	155.2	180.6	206.0	231.4	256.8	307.6
1/8	3.2	28.6	54.0	79.4	104.8	130.2	155.6	181.0	206.4	231.8	257.2	308.0
9/64	3.6	29.0	54.4	79.8	105.2	130.6	156.0	181.4	206.8	232.2	257.6	308.4
5/32	4.0	29.4	54.8	80.2	105.6	131.0	156.4	181.8	207.2	232.6	258.0	308.8
11/64	4.4	29.8	55.2	80.6	106.0	131.4	156.8	182.2	207.6	233.0	258.4	309.2
3/16	4.8	30.2	55.6	81.0	106.4	131.8	157.2	182.6	208.0	233.4	258.8	309.6
13/64	5.2	30.6	56.0	81.4	106.8	132.2	157.6	183.0	208.4	233.8	259.2	310.0
7/32	5.6	31.0	56.4	81.8	107.2	132.6	158.0	183.4	208.8	234.2	259.6	310.4
15/64	6.0	31.4	56.8	82.2	107.6	133.0	158.4	183.8	209.2	234.6	260.0	310.8
1/4	6.4	31.8	57.2	82.5	108.0	133.4	158.8	184.2	209.6	235.0	260.4	311.2
17/64	6.7	32.1	57.5	82.9	108.3	133.7	159.1	184.5	209.9	235.3	260.7	311.5
9/32	7.1	32.5	57.9	83.3	108.7	134.1	159.5	184.9	210.3	235.7	261.1	311.9
19/64	7.5	32.9	58.3	83.7	109.1	134.5	159.9	185.3	210.7	236.1	261.5	312.3
5/16	7.9	33.3	58.7	84.1	109.5	134.9	160.3	185.7	211.1	236.5	261.9	312.7
21/64	8.3	33.7	59.1	84.5	109.9	135.3	160.7	186.1	211.5	236.9	262.3	313.1
11/32	8.7	34.1	59.5	84.9	110.3	135.7	161.1	186.5	211.9	237.3	262.7	313.5
23/64	9.1	34.5	59.9	85.3	110.7	136.1	161.5	186.9	212.3	237.7	263.1	313.9
3/8	9.5	34.9	60.3	85.7	111.1	136.5	161.9	187.3	212.7	238.1	263.5	314.3
25/64	9.9	35.3	60.7	86.1	111.5	136.9	162.3	187.7	213.1	238.5	263.9	314.7
13/32	10.3	35.7	61.1	86.5	111.9	137.3	162.7	188.1	213.5	238.9	264.3	315.1
27/64	10.7	36.1	61.5	86.9	112.3	137.7	163.1	188.5	213.9	239.3	264.7	315.5
7/16	11.1	36.5	61.9	87.3	112.7	138.1	163.5	188.9	214.3	239.7	265.1	315.9
29/64	11.5	36.9	62.3	87.7	113.1	138.5	163.9	189.3	214.7	240.1	265.5	316.3
15/32	11.9	37.3	62.7	88.1	113.5	138.9	164.3	189.7	215.1	240.5	265.9	316.7
31/64	12.3	37.7	63.1	88.5	113.9	139.3	164.7	190.1	215.5	240.9	266.3	317.1
1/2	12.7	38.1	63.5	88.9	114.3	139.7	165.1	190.5	215.9	241.3	266.7	317.5
33/64	13.1	38.5	63.9	89.3	114.7	140.1	165.5	190.9	216.3	241.7	267.1	317.9
17/32	13.5	38.9	64.3	89.7	115.1	140.5	165.9	191.3	216.7	242.1	267.5	318.3
35/64	13.9	39.3	64.7	90.1	115.5	140.9	166.3	191.7	217.1	242.5	267.9	318.7
9/16	14.3	39.7	65.1	90.5	115.9	141.3	166.7	192.1	217.5	242.9	268.3	319.1
37/64	14.7	40.1	65.5	90.9	116.3	141.7	167.1	192.5	217.9	243.3	268.7	319.5
19/32	15.1	40.5	65.9	91.3	116.7	142.1	167.5	192.9	218.3	243.7	269.1	319.9
39/64	15.5	40.9	66.3	91.7	117.1	142.5	167.9	193.3	218.7	244.1	269.5	320.3

mm	Inches
0.1	0.0039
0.2	0.0079
0.3	0.0118
0.4	0.0157
0.5	0.0197
0.6	0.0236
0.7	0.0276
0.8	0.0315
0.9	0.0354
1	0.0394
2	0.0787
3	0.1181
4	0.1575
5	0.1969
6	0.2362
7	0.2756
8	0.3150
9	0.3543
10	0.3937
11	0.4331
12	0.4724
13	0.5118
14	0.5512
15	0.5906
16	0.6299
17	0.6693
18	0.7087
19	0.7480
20	0.7874
21	0.8268
22	0.8661
23	0.9055
24	0.9449
25	0.9843
26	1.0236
27	1.0630
28	1.1024
29	1.1417
30	1.1811
31	1.2205



[Inch]

## Measurement Conversions

### LENGTH

cm	mm	inch	feet
1	10	0.394	0.0328
0.1	1	0.0394	0.00328
2.54	25.4	1	0.083
30.48	304.8	12	1

$$\text{inch} = \text{mm} \div 25.4$$

$$\text{mm} = \text{inch} \times 25.4$$

### WEIGHT

g	kg	oz	lb
1	0.001	0.0353	0.0022
1000	1	35.27	2.205
28.4	0.0284	1	0.0625
453.6	0.454	16	1

$$\text{lb} = \text{kg} \times 2.205$$

$$\text{kg} = \text{lb} \div 2.205$$

### FORCE

N	kgf	lbf
1	0.10197	0.225
9.807	1	2.205
4.448	0.454	1

$$= \text{kgf} \times 2.205$$

$$\text{N} = \text{kgf} \times 9.807$$

$$\text{kgf} = \text{lbf} \div 2.205$$

$$\text{kgf} = \text{N} \div 9.807$$

### MOMENT

N · m	kgf · cm	lbs · in
1	10.197	8.85
0.0981	1	0.868
0.113	1.152	1

$$\text{lbs} \cdot \text{in} = \text{kgf} \cdot \text{cm} \times 0.868$$

$$\text{N} \cdot \text{m} = \text{kgf} \cdot \text{cm} \times 0.0981$$

$$\text{kgf} \cdot \text{cm} = \text{lbs} \cdot \text{in} \div 0.868$$

$$\text{kgf} \cdot \text{cm} = \text{N} \cdot \text{m} \div 0.0981$$

### TEMPERATURE

°C	°F
0	32
-17.77	0

$$^{\circ}\text{C} = (^{\circ}\text{F} - 32) \times 5 \div 9$$

$$^{\circ}\text{F} = ^{\circ}\text{C} \div 5 \times 9 + 32$$

\*All tools and figures are for reference only.

[Metric]

