



SUGATSUNE

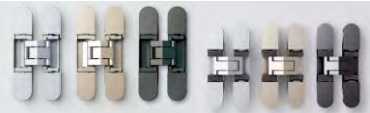
Since 1930

Because details matter

SOLUTIONS FOR SWING DOORS
WOODEN AND FRAMELESS GLASS

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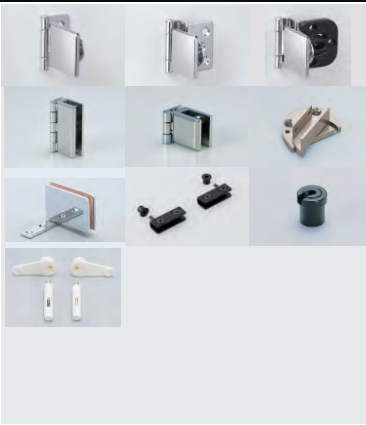
Product Image	Product Name	Description	Door Width (mm)	Door Height (mm)	Door Thickness (mm)	Door Weight (Kg)
	HES3D-E190	3-WAY ADJUSTABLE CONCEALED HINGE	900 Max	2400 mm Max	Min 38mm	Max-100 kg / 2 pcs Max-125 kg / 3 pcs
	HES3D-E160	3-WAY ADJUSTABLE CONCEALED HINGE	900 Max	2400 mm Max	Min 35mm	Max-45 kg / 2 pcs Max-60 kg / 3 pcs
	HES3D-120	3-WAY ADJUSTABLE CONCEALED HINGE	900 Max	2400 mm Max	Min 29mm	Max-30 kg / 2 pcs Max-40 kg / 3 pcs
	HES3D-E190BKT	BRACKET OF HES3D-E190 FOR SHEET METAL	900 Max	2400 mm Max	-	-
	HES3D-E120BKT	BRACKET OF HES3D-E120 FOR SHEET METAL	900 Max	2400 mm Max	-	-
	HES3D-TMP	INSTALLATION TEMPLATE				
	HES3D-W190	3-WAY ADJUSTABLE CONCEALED HINGE FOR WIDE THROW	900 Max	2400 mm Max	-	-
	HES2S-140-A125	3-WAY ADJUSTABLE CONCEALED HINGE 125° OPENING	900 Max	2400 mm Max	-	-
	PH-01	2-WAY ADJUSTABLE PIVOT HINGE	850 Max	2300 Max	33-42 mm	35 kgf/pair
	SUS-PHD-5A	HEAVY DUTY PIVOT HINGE	900 Max	2500 Max		100kg / set
	SUS-PHD-16	HEAVY DUTY PIVOT HINGE	1000 Max	2500 Max		160kg / set
	HG-LSH	HEAVY-DUTY STAINLESS STEEL BUTT HINGE	1300	3000	75 mm	200 - 222 kgf / 2 pcs
	HG-LSW	HEAVY-DUTY STAINLESS STEEL BUTT HINGE	1400	3200	75 mm	200 - 222 kgf / 2 pcs
		(INSTALLATION HOLE TYPE)				
	HG-LSC210	STAINLESS STEEL HEAVY-DUTY BUTT HINGE	900	2000		-
	ST150-6314-05	SPRING HINGE	1000 Max			400 N / 2 pcs 600 N / 3 pcs
	SA	SPRING HINGE	1000 Max			20kg f / 2 per - 60 kgf/3 pcs
	DA	DOUBLE ACTION HINGE	1000 Max		30-55 Max	20kg f / 2 per - 90 kgf/3 pcs
	DAW	ALUMINIUM SPRING HINGE	1000 Max	2400 mm	35 Max	20 kg / 2 per - 80 kg / pc
	PM120	ALUMINIUM SPRING HINGE LIFT-OFF HINGE	1000 Max	2400 mm	35 Max	20 kg f / 2 pcs 30 kg f / 3 per
	PP-60	INSET DOOR PIVOT HINGE	450 Max	700 Max		2.6 kg / pair
	WP1, WP3	OVERLAY DOOR PIVOT HINGE	300 Max	700 Max	18 to 24 Max	1.8 kg / pair
	PL-60	OVERLAY DOOR PIVOT HINGE	450 Max	700 Max	22 mm	2.6 kg / pair
	PL-65	OVERLAY DOOR PIVOT HINGE	450 Max	700 Max	22 mm	4 kg / pair
	PL-100	OVERLAY DOOR PIVOT HINGE	600 Max	750 Max	24 mm	6 kg / pair
	HES3D-90	3-WAY ADJUSTABLE CONCEALED HINGE	600 Max	1500 Max	23 mm	12 kg / 2 pcs 16kg / 3pcs
	HES3D-70		600 Max	1200 Max	19 mm	9 kg / 2 pcs 12 kg / 2 pcs

Product Image	Product Name	Description	Door Width (mm)	Door Height (mm)	Door Thickness (mm)	Door Weight (Kg)
	INO-66N	CONCEALED HINGE	450 Max	700 Max	15 mm	30 kg / 2 pcs 50 kg / 3 pcs
	RK-50	CONCEALED HINGE	450 Max	700 Max	21 mm Max	2.6 kg / 2 pcs
	R	CONCEALED HINGE	450 Max	700 Max	check the locus chart	-
	J95	CONCEALED HINGE	800	2400	18-30	25 kg / 2 pcs
	J95-P6T	MOUNTING PLATE	900	2400	18-30	40 kg / 2 pcs
	100-46/19 SUS304B W/O CATCH 100-C46/19 SUS304B W/ CATCH	CONCEALED HINGE (STAINLESS STEEL)	600 mm	2000 mm	19-22 mm	7 kg / 2 pcs
	100-46/14 SUS304B W/O CATCH 100-C46/14 SUS304B W/ CATCH	CONCEALED HINGE (STAINLESS STEEL)	600 mm	2000 mm	22 mm	12 kg / 3 pcs
	100-46/9 SUS304B W/O CATCH 100-C46/9 SUS304B W/ CATCH	CONCEALED HINGE (STAINLESS STEEL)	600 mm	2000 mm	22 mm	15-18 kg / 4-5 pcs
	100-P3A-SUS304B	MOUNTING PLATE				18.36 / 5 pcs
	100-P4A-30-SUS304B	MOUNTING PLATE				-
	100-P4A-32-SUS304B	MOUNTING PLATE				-
	100-P4A/32-3WAY-SUS304B	MOUNTING PLATE				-
	SDH-001	DROP HINGE (ADJUSTABLE)	500 mm	900-1200 mm	20 mm	-
	SDH-P	DROP HINGE (ADJUSTABLE)			16-20 mm	-
	MH-30	TABLE TOP HINGE	450 mm	700 mm	21 mm	4 kg / 2pcs
	MH-40	TABLE TOP HINGE	450 mm	700 mm	21 mm	4 kg / 2pcs
	MH-83	TABLE TOP HINGE	450 mm	700 mm	21 mm	4 kg / 2pcs
	MA-5	TABLE TOP HINGE	450 mm	700 mm	21 mm	4 kg / 2pcs
	HG-JHM11	DAMPER HINGE	Calculation of Torque Movement			
	HG-JHM14	DAMPER HINGE				
	HG-JHM16	DAMPER HINGE				
	HG-JHM20	DAMPER HINGE				
	HG-JHM20T	DAMPER HINGE (SURFACE MOUNT TYPE)				
	HG-JH14-50	DAMPER HINGE (STAINLESS STEEL)				
	HG-JHW16S	DAMPER HINGE				
	HG-JH	DAMPER HINGE				
	HG-JHW/HG-JHWG	DAMPER HINGE				

HINGES FOR GLASS DOOR

	J95 - 25 MM OVERLAY	CONCEALED HINGE	800	1850	8 mm	25 kg / 2 pcs
	J95 - 16 MM OVERLAY	CONCEALED HINGE	800	2000	8 mm	35 kg / 3 pcs
	INSET	CONCEALED HINGE	700	1850	10 mm	25 kg / 2 pcs
	J95-P6T	MOUNTING PLATE	700	2000	10 mm	35 kg / 3 pcs
	J160-D22-25T-NI	SPECIALTY OVERLAY HING	800	1850	8 mm	25 kg / 2 pcs
	J160-D22-25T-BN	(WITH SOFT CLOSE)	800	2000	8 mm	35 kg / 3 pcs
		25 MM OVERLAY	700	1850	10 mm	25 kg / 2 pcs
			700	2000	10 mm	35 kg / 3 pcs

Product Image	Product Name	Description	Door Width (mm)	Door Height (mm)	Door Thickness (mm)	Door Weight (Kg)
	GH-J95FP	FACE PLATE FOR GLASS DOOR	-	-	-	-
	GH-J95FP-Q1	FACE PLATE FOR GLASS DOOR	-	-	-	-
	J95SC	SAFETY COVER	-	-	-	-
	J95ZC	COVER FOR MOUNTING PLATE	-	-	-	-
	SDH-G	DROP HINGE (FOR GLASS DOOR)	900 Max	300 mm	4 - 6 mm	
			1200 Max			
	HES3D-90	3-WAY ADJUSTABLE CONCEALED	600 mm	1200 mm	23 mm	12kg / 2pcs 16kg / 3 pcs
	HES3D-70	HINGE (FOR GLASS DOOR)	600 mm	1500 mm	19 mm	9kg / 2pcs 12kg / 3 pcs
	HES3D-G90BKT	GLASS DOOR BRACKET			5 - 6 mm	
	GS-GH5	GLASS HINGE (INSET)	600 mm	900 mm	5 - 6 mm	8 kgf / set
	GS-GB5	GLASS BRACKET	600 mm	900 mm	8 mm	
	GS-GH20	GLASS HINGE (INSET)	700 mm	1600 mm	6-8 mm	20 kgf / set
	GS-GB20	GLASS BRACKET	700 mm	1600 mm	8- 10 mm	
	GLASS SHOWCASE HARDWARE XL-GC					
	XL-GC01-CR	LOCKS			5,6,8 mm	-
	XL-GC01-CR	LOCKS			5,6,8 mm	-
	XL-GC01-CR	LOCKS			5,6,8 mm	-
	XL-GC04-CR	HINGE	500 mm	1200 mm	5,6,8 mm	max 12kg/2pcs
	XL-GC07-CR	HINGE	500 mm	1200 mm	5,6,8 mm	max 12kg/2pcs
	XL-GC05-CR	HINGE	500 mm	1200 mm	8 mm	-
	XL-GC06-CR	SLIDING DOOR HARDWARE	500 mm	1200 mm	8 mm	12kgf/door
	XL-GC08-CR	SLIDING DOOR HARDWARE			8 mm	-
	XL-GC09-CR	CATCH			5,6,8 mm	-
	XL-GC09-CR	MAGNETIC CATCH			5,6,8 mm	
	GH-450	Inset Glass Door Hinge	600 mm	1200 mm	5,6,8 mm	15kg/2pcs
	GH-450G	Inset Glass Door Hinge	600 mm	1200 mm	5,6,8 mm	15kg/2pcs
	GH-456C	Half Overlay Glass Door Hinge (w/ Catch)	600 mm	1200 mm	5,6,8 mm	15kg/2pcs
	GH-456N	Half Overlay Glass Door Hinge (w/o Catch)	600 mm	1200 mm	5,6,8 mm	15kg/2pcs
	XL-GH03-480	Inset Glass Door Hinge	650 mm	900 mm	5,6,8 mm	12kg/2pcs
	XL-GH03-48-8	Half Overlay Glass Door Hinge	650 mm	900 mm	5,6,8 mm	12kg/2pcs
	GH36-NCR	Inset Glass Door Lift-off Hinge	450 mm	700 mm	4,5,6 mm	4kg/2pcs
	GHC34-8	Half Overlay Glass Door Hinge (w/ Catch)	450 mm	700 mm	4,5,6 mm	4kg/2pcs
	GH34-0SS	Inset Glass Door Hinge	450 mm	700 mm	4,5,6 mm	4kg/2pcs
	GH34-8SS	Half Overlay Glass Door Hinge	450 mm	700 mm	4,5,6 mm	4kg/2pcs
	GH34-0	Inset Glass Door Hinge	450 mm	700 mm	4,5,6 mm	4kg/2pcs
	GH34-8	Half Overlay Glass Door Hinge	450 mm	700 mm	4,5,6 mm	4kg/2pcs

Product Image	Product Code	Description	Door Width (mm)	Door Height (mm)	Glass Door Thickness (mm)	Door Weight (Kg)
	GH34-0CR-K	Inset Glass Door Hinge	450 Max	700	4,5,6	4kg/2pcs
	GH34-8CR-K	Half Overlay Glass Door Hinge	450 Max	700	4,5,6	4kg/2pcs
	GHC34-8CR-K	Half Overlay Glass Door Hinge (w/Catch)	450 Max	700	4,5,6	4kg/2pcs
	XL-GH01-600	Glass Door Hinge	450 Max	700	4,5,6,8	4kg/2pcs
	XL-GH01-250	Glass Door Hinge	450 Max	700	4,5,6,8	4.8kg/2pcs
	GHC34-8CR-K	Half Overlay Glass Door Hinge (w/Catch)	450 Max	700	4,5,6	4kg/2pcs
	GH-PSL40	Inset Glass Door Pivot Hinge	450 Max	700	3,4,5,6,8	20kg/set
	GPH	Inset Glass Door Pivot Hinge	450 Max	700	4,5	4kg/pair
	PHB4	Socket For GPH40 Pivot Hinge				-
	PV-30	Inset Pivot Hinge	450 Max	700	Max 21	2.6kg/set
	XL-GH02AF-120	STAINLESS STEEL GRAVITY HINGE FOR GLASS DOOR	750	2000	10, 12	45kg/pair
	GH-G02	STAINLESS STEEL GRAVITY HINGE FOR GLASS DOOR	750	2000	10, 12	45kg/pair
	GH-G07	STAINLESS STEEL GRAVITY HINGE FOR GLASS DOOR	750	2000	10, 12	45kg/pair

HINGES

INDEX



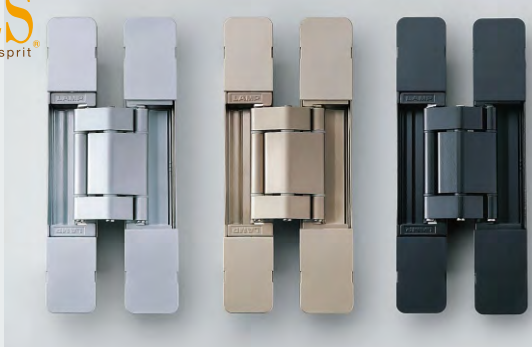
3-WAY ADJUSTABLE CONCEALED HINGE

LAMP®

3-WAY ADJUSTABLE CONCEALED HINGE



HES3D-E190



Features

- Thin profile allows for shallow mortise and makes installation easier
- Jig (sold separately) makes installation easy.
- Has a fire safety rating of ANSI/UL 10C, CAN/ULC-S104
- Vertical, horizontal and depth adjustment possible post-installation (3way)
- Can be split into two parts (one for the frame and one for the flap) making installation easy
- Temporary holding feature: can temporarily be hung and hold position without being affixed with screws. This makes installation much easier.
- Custom colors available on request. Please contact us for details.
- Passed a 300,000 open/close cycle test in private testing.

Parts Included

- Countersunk head screw 5x30 (4 pcs/hinge) • Allen key size 4

Sold Separately

- Installation template HES3D-E190-TMP • Metal door bracket E190BKT

No.	Part Name	Material	Finish/Colour		
			DC	DN	BL
①	Body	Zinc Alloy (ZDC)	Satin Chrome	Satin Nickel	Black
②	Base Frame	Zinc Alloy (ZDC)	Satin Chrome	Satin Nickel	Black
③	Arm	Aluminum Alloy	Satin Chrome	Satin Nickel	Black
④	Shaft	Stainless Steel	Plain	Plain	Plain
⑤	Cover	ABS	Satin Chrome	Satin Nickel	Black

Item Code	Item Name	Colour	Door Width	Door Thickness	Door Weight		Opening Angle	Weight	Box	Carton
170-025-498	HES3D-E190DC	Silver	Max. 900	Min. 38 mm	Max. 100 kg/2 pcs	Max. 125 kg/3 pcs	180°	1,113 g	2 pcs	12 pcs
170-025-499	HES3D-E190DN	Champagne Gold	Max. 900	Min. 38 mm	Max. 100 kg/2 pcs	Max. 125 kg/3 pcs	180°	1,113 g	2 pcs	12 pcs
170-025-539	HES3D-E190BL	Black	Max. 900	Min. 38 mm	Max. 100 kg/2 pcs	Max. 125 kg/3 pcs	180°	1,113 g	2 pcs	12 pcs

3-WAY ADJUSTABLE CONCEALED HINGE

HES3D-E160



Features

- Shallow drilling depth enables easy drilling of the door and frame.
- Three-way adjustment feature enables fine adjustment up, down, left, right, forward and back.
- The hinge can be divided between the door and frame and the door can be temporarily fastened to the frame, making it easy to hang the door.
- The structure is designed to prevent the door from sagging.
- Screw covers can be purchased separately in the event that the original covers are broken or lost.

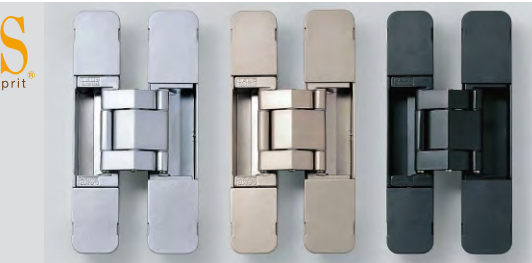
No.	Part Name	Material	Finish/Colour		
			DC	DN	BL
①	Body	Zinc Alloy (ZDC)			Baked Enamel
②	Base Frame		Satin Chrome	Satin Nickel	Finish/Black
③	Arm	Aluminium Alloy			
④	Shaft	Stainless Steel	Plain	Plain	Plain
⑤					

CAD	Item Code	Item Name	Colour	Door Width (mm)	Door Height (mm)	Door Thickness (mm)	Opening Angle
2D/3D	170-041-454	HES3D-E160DC	Silver	Max. 900	Max. 2400	Min. 36	180°
2D/3D	170-041-455	HES3D-E160DN	Champagne Gold				
2D/3D	170-041-456	HES3D-E160BL	Black				

3-WAY ADJUSTABLE CONCEALED HINGE



HES3D-120



Features

- Thin profile (21mm) allows for shallow mortise.
- Jig (sold separately) makes installation easy.
- Vertical, horizontal and depth adjustment possible post-installation (3way).
- Passed a 300,000 open/close cycle test in private testing.
- Can be split into two parts (one for the frame and one for the flap) making installation easy
- Temporary holding feature: can temporarily be hung and hold position without being affixed with screws. This makes installation much easier.
- Custom colors available on request. Please contact us for details.
- Max door weight: 30kg/2pc, 40kg/3pc
- Min. door thickness: 29mm
- Max door width: 900mm
- Max door height: 2400mm
- (recommended. Larger doors can be used if the weight is within specification)

Remarks

Recommend to use with bellow door closer/ damper as bellow.

- LAPCON DOOR DAMPER LDD-S • LAPCON DOOR DAMPER LDD-V

Parts Included

- Countersunk head tapping screw 5x20 • Hex. wrench (a nominal diameter 3)

Sold Separately

- Installation template HES3D-120-TMP (P.474) • Metal door bracket 120BKT (P.475)

Item Code	Item Name	Colour	Door Width	Door Height	Door Thickness	Door Weight		Opening Angle	Weight	Box	Carton
170-022-086	HES3D-120DC	Silver	Max. 900	Max. 2400	Min. 29	Max. 30 kg/2 pcs	Max. 40 kg/3 pcs	180°	401 g	2 pcs	24 pcs
170-022-087	HES3D-120DN	Champagne Gold	Max. 900	Max. 2400	Min. 29	Max. 30 kg/2 pcs	Max. 40 kg/3 pcs	180°	401 g	2 pcs	24 pcs
170-022-088	HES3D-120BL	Black	Max. 900	Max. 2400	Min. 29	Max. 30 kg/2 pcs	Max. 40 kg/3 pcs	180°	401 g	2 pcs	24 pcs

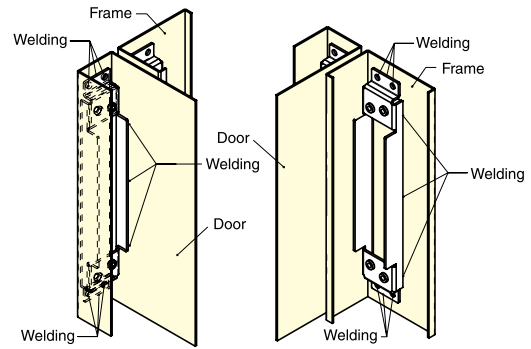
BRACKET OF HES3D-E190 FOR SHEET METAL

HES3D-E190BKT



Features

Bracket to use HES3D-E190 hinge (P.473) with sheet metal.



Item Code	Item Name	Type	Material	Finish/Colour	W1	W2	Weight	Carton
170-032-741	HES3D-E190BKT-D	For Door	Steel (SPCC)	Zinc Chromate	32.3	29.5	135 g	50 pcs
170-032-742	HES3D-E190BKT-F	For Frame			34.3	31.5	135 g	50 pcs

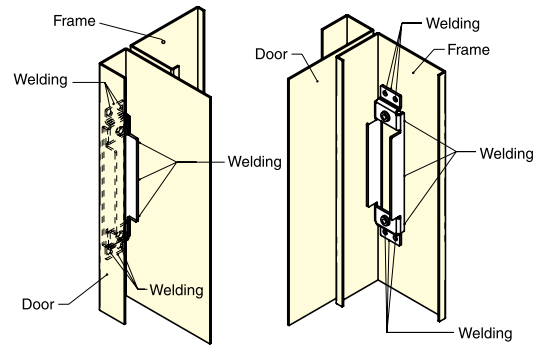
BRACKET OF HES3D-120 FOR SHEET METAL

HES3D-120BKT



Features

Bracket to use HES3D-120 hinge (P.471) with sheet metal.



*Dimensions: For flat surface in case of 1.6 mm thick sheet metal.

Item Code	Item Name	Type	Material	Finish/Colour	W1	W2	Weight	Carton
170-032-739	HES3D-120BKT-D	For Door	Steel (SPCC)	Zinc Chromate	23.3	20.5	58 g	50 pcs
170-032-740	HES3D-120BKT-F	For Frame			25.3	22.5	58 g	50 pcs

INSTALLATION TEMPLATE

HES3D-TMP



Features

- Installation template for HES3D hinges.
- The HES3D-70-TMP and HES3D-90-TMP are now available.

Remarks

- The HES3D-120TMP, HES3D-160-TMP, HES3D-E190-TMP, and HES3D-V135-TMP are sold in pairs, one for the door and one for the frame.
- The HES3D-70TMP and HES3D-90-TMP are sold singly, because they can be used on both the door and frame.
- Recommended working tool is a straight bit with guide bearings of which guide diameter and bit diameter are the same.

Sold Separately

- HES3D-70
- HES3D-90 (P.470)
- HES3D-120 (P.471)
- HES3D-160 (P.472)
- HES3D-E190 (P.473)
- HES3D- V135LGR (P.703)

Item Code	Item Name	Applicable Hinge	Material	Colour
170-040-988	HES3D-70-TMP	HES3D-70	Methacrylic Resin (PMMA)	Clear
170-029-034	HES3D-90-TMP	HES3D-90	Methacrylic Resin (PMMA)	Clear
170-024-569	HES3D-120-TMP	HES3D-120	Methacrylic Resin (PMMA)	Clear
170-024-570	HES3D-160-TMP	HES3D-160	Methacrylic Resin (PMMA)	Clear
170-028-808	HES3D-E190-TMP	HES3D-E190	Methacrylic Resin (PMMA)	Clear
170-024-572	HES3D-V135-TMP	HES3D-V135LGR	Methacrylic Resin (PMMA)	Clear

3-WAY ADJUSTABLE CONCEALED HINGE HES3D-W190 Wide Throw

INSTRUCTION

HEX KEY

STEEL

VIDEO



Silver

Champagne Gold



Black

Nickel

- Has a long arm for a wider throw. This allows for use on clad and thick doors.
- The small bore depth allows for easy mortising of doors and frames.
- Vertical, horizontal and depth adjustments are available.
- Easy and quick installation features:
 - Can separate into two parts during installation.
 - Can be provisionally hung on doors before fixing screws.
- Custom colours are available.
- Replacement screw covers are also available. Please contact us.

[Parts Included]

- Cross-recessed countersunk tapping screw 5 × 30 (8 pcs / hinge) stainless steel
- Hex key 4
- Cutout template

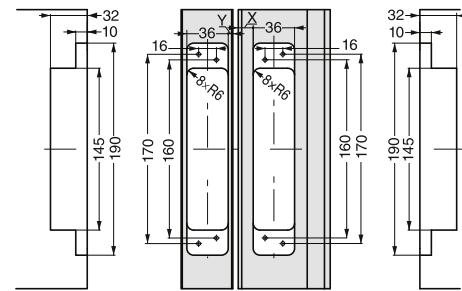
[Optional Parts]

- Installation jig HES3D-W190-TMP
- Stainless steel screw cover (made to order)

Video Link

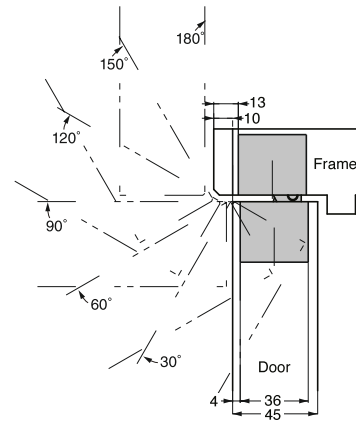


[Cut Out Dimension]

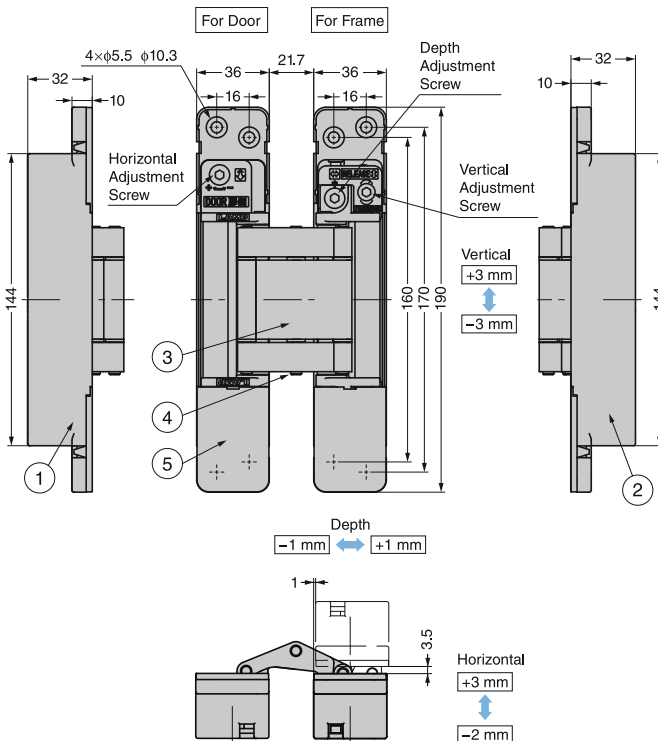


Please drill prepared holes for the tapping screws if the optional jig (HES3D-W190-TMP) is not used.

[Locus Chart]



The example drawing shows the case that there is a step of 10 mm between the door and the frame.



No.	Part Name	Material	Finish/Colour			
			DC	DN	BL	PN
①	Body	Zinc Alloy (ZDC)	Satin	Nickel	Enamel Black	Polished Nickel
②	Base Frame					
③	Arm	Aluminium Alloy	Plain	Plain	Plain	Plain
④	Shaft					
⑤	Screw Cover	ABS	Silver	Champagne Gold	Black	Polished Nickel

3-WAY ADJUSTABLE CONCEALED HINGE HES2S-140-A125 125° Opening

INSTRUCTION



Dark Grey

Light Grey

Passed 300,000 open/close private cycle test



Closed

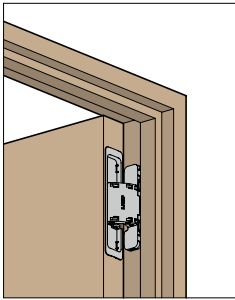


Back



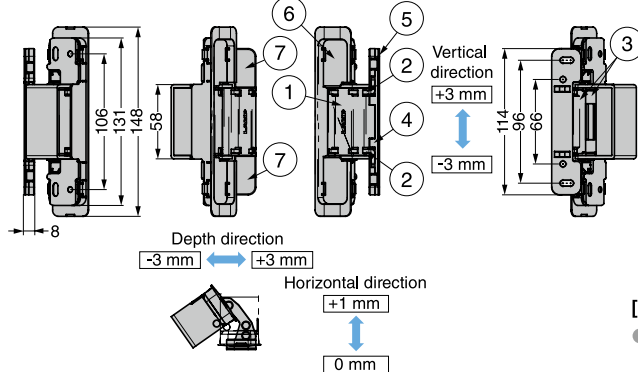
With cover and plate removed

[Usage Image]



With front screws not requiring frame side drilling, installation is simple.

[Opened to 125°] (with cover)



No.	Part Name	Material	Finish / Colour
①	Body	POM	Dark Grey, Light Grey
②	Base Plate	SPCC	Nickel
③	Arm	Zinc Alloy (ZDC)	Chemical Treatment
④	Distance Plate	PBT	
⑤	Horizontal Adjustment Plate	POM	Dark Grey, Light Grey
⑥	Socket Cover		
⑦	Base Plate Cover	ABS	

- Surface mount for door frame enables easy installation.
- 3-way adjustment function allows vertical, horizontal, and depth adjustment after hinge installed.

[Remarks]

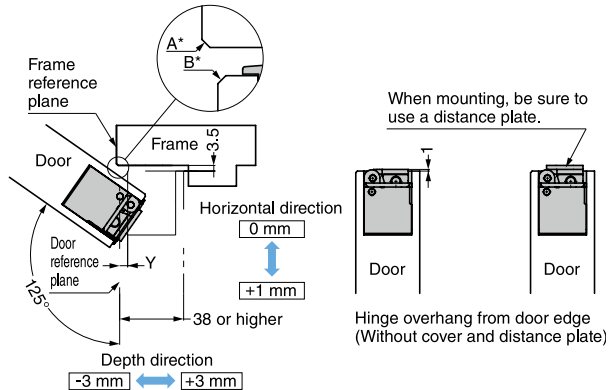
- Use with a door stopper, etc. to prevent opening farther than 125°.
- The hinge cannot be divided between the door and frame.

[Parts included]

- Countersunk head tapping screw 4×20 (8 pcs/hinge) Steel
- Door side drilling/frame side mounting template

[Locus Chart]

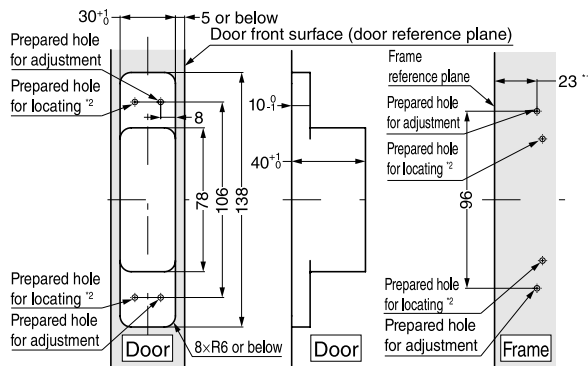
Drill at the * mark in the figure (door/frame corner).



Y: Door Machining Margin	B: Door chamfering	A: Frame chamfering
4 or below		
5	1 or higher	1 or higher

[Cut Out Dimensions]

Drill pilot holes at the positions of the adjustment and locating screws.

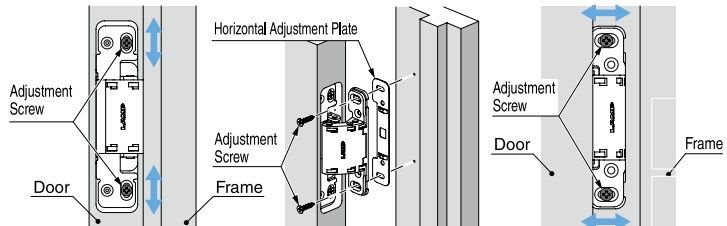


*1 When door machining margin is 5 mm.

*2 The position of prepared hole for locating changes according to adjustment.

[Door Position Adjustment]

- Vertical adjustment (±3 mm)
- Horizontal adjustment (+1 mm)
- Depth adjustment (±3 mm)



Adjust in the vertical/depth directions with oval hole screws and in the horizontal direction with the plate.

RoHS	CAD	Item Code	Item Name	Colour	Door Width	Door Height	Door Thickness	Door Weight kgf/2 pcs	Door Weight kgf/3 pcs	Opening Angle
—	3D	170-053-252	HES2S-140-A125-DGR	Dark Grey	Max. 900	Max. 2700	Min. 38	50	65	125°
—	3D	170-053-253	HES2S-140-A125-LGR	Light Grey						

2-WAY ADJUSTABLE PIVOT HINGE



PH-01



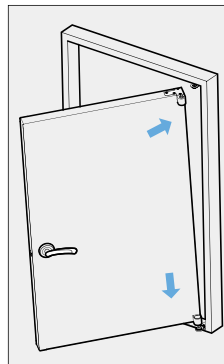
Features

- Hinge position adjustable without removing door.
- Sold in pairs (for top and bottom).

Parts Included

Countersunk head tapping screw 4×30

Door Installation



1. Insert bottom hinge to the bracket.
2. Install door while pushing the shaft of upper hinge.
3. Secure to check the door is fixed with the frame.

No.	Part Name	Material	Finish/Colour
①	Body	Zinc Alloy (ZDC)	Matte Silver
②	Bracket	Stainless Steel (SUS304)	Polished
③	Hex Bolt	Stainless Steel (SUS304)	-
④	Washer	Stainless Steel (SUS304)	-
⑤	Cover	ABS	White

Item Code	Item Name	Door Width	Door Height	Door Thickness	Door Weight	Weight	Box	Carton
170-090-622	PH-01	Max. 850	Max. 2300	33 - 42	Max. 35 kg/pair	593 g	1 pair	20 pairs
043465	AF-25-P10-BL	Max. 850	Max. 2300	33 - 42	Max. 35 kg/pair	593 g	1 pair	20 pairs

HEAVY DUTY PIVOT HINGE

100 kg/-

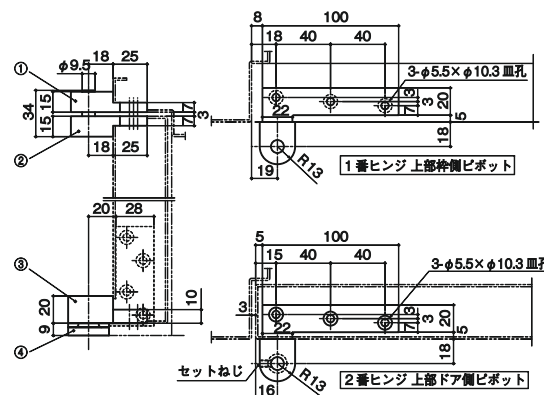


Load capacity : 100 kg
(W:900 x H:2500)

Material : Stainless steel

Item Number	Item Name	
041078	SUS-PHD5A-L	Pivot Hinge-Heavy Duty -left Side
041079	SUS-PHD5A-R	Pivot Hinge-Heavy Duty -Right Side

SUS-PHD-5A



HEAVY DUTY PIVOT HINGE

160 kg/-

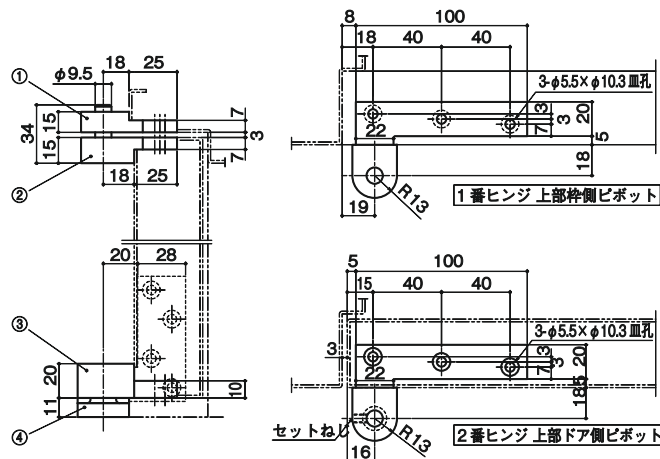


Load capacity : 160 kg
(W:1000 x H:2500)

Material : Stainless steel

Item Number	Item Name	
041076	SUS-PHD16-L	Pivot Hinge-Heavy Duty -left Side
041077	SUS-PHD16-R	Pivot Hinge-Heavy Duty -Right Side

SUS-PHD-16



HEAVY-DUTY STAINLESS STEEL BUTT HINGE



HG-LSH

Passed 200,000 cycles of in-house opening and closing testing



HG-LSH-204R

Features

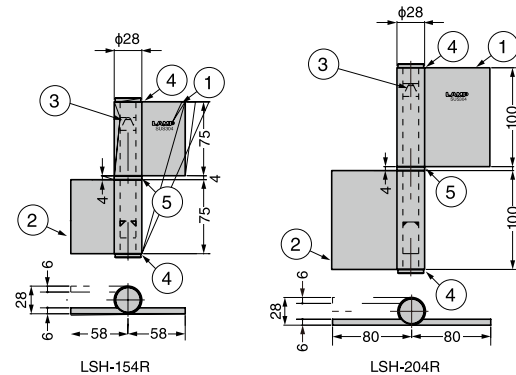
- Made from 6 mm thick stainless steel.
- Made with special rings (oiled bearings) for smooth movement.
- Outstanding design with head cap.

Application

Rotating mechanisms for large doors, gates and other heavy objects.

Remarks

The load capacity is the value when two hinges are used.
See the selection guide for details on calculation conditions.



No.	Part Name	Material	Finish
①	Door Side Hinge Plate	Stainless Steel (SUS304)	Satin
②	Frame Side Hinge Plate		
③	Pin		
④	Head Cap		Plain
⑤	Ring		

*The opening/closing test count indicates the following status.

3 hinges placed vertically, door size W900 x H2000

HG-LSH-154: Door weight 250 kg HG-LSH-204: Door weight 280 kg

CAD	Item Code	Item Name	Type	Load Capacity N/2 pcs	Load Capacity kgf/2 pcs	Weight (g)	Box (pcs)	Carton (pcs)
	170-034-219	HG-LSH-154L	Left Side	1961	200	1020	6	12
	170-034-220	HG-LSH-154R	Right Side				6	12
	170-034-221	HG-LSH-204L	Left Side	2177	222	1540	—	6
	170-034-222	HG-LSH-204R	Right Side				—	6

HEAVY-DUTY STAINLESS STEEL BUTT HINGE (INSTALLATION HOLE TYPE)



HG-LSW



HG-LSW-154R

Features

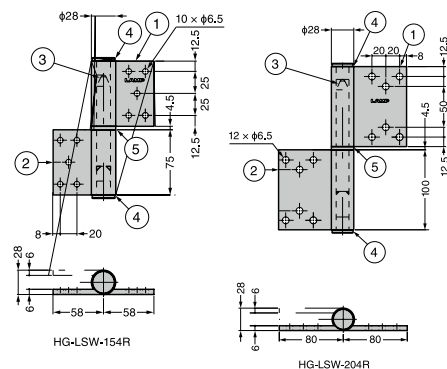
- Made from 6 mm thick stainless steel.
- Made with special rings (oiled bearings) for smooth movement.
- Outstanding design with head cap.

Application

Rotating mechanisms for large doors, gates and other heavy objects.

Remarks

The load capacity is the value when two hinges are used.
See the selection guide for details on calculation conditions.



No.	Part Name	Material	Finish
①	Door Side Hinge Plate	Stainless Steel (SUS304)	Satin
②	Frame Side Hinge Plate		
③	Pin		
④	Head Cap		Plain
⑤	Ring		Barrel Polished

CAD	Item Code	Item Name	Type	Load Capacity N/2 pcs	Load Capacity kgf/2 pcs	Box (pcs)	Carton (pcs)
	170-041-019	HG-LSW-154L	Left Side	1960	200	6	12
	170-041-020	HG-LSW-154R	Right Side			6	12
	170-041-021	HG-LSW-204L	Left Side	2180	222	—	6
	170-041-022	HG-LSW-204R	Right Side			—	6

STAINLESS STEEL HEAVY-DUTY BUTT HINGE

SUS

HG-LSC210

Passed 200,000 open/close private cycle test



HG-LSC210



HG-LSC210N

- 6mm thick stainless steel makes the hinge very strong.
- Made with special rings (oil-impregnated bearings) for smooth movement.
- Head caps hide shaft for clean appearance.

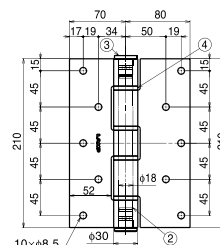
[Applications]

- Large doors, gate doors, and other heavy objects.

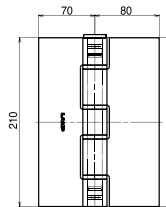
[Remarks]

- Be sure to read the "Cautions" [1](#).

[HG-LSC210]

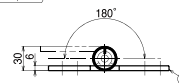


[HG-LSC210N]



*Open/close test is under the following conditions:

- Hinge: Using three hinges vertically
- Door size: W900 × H2000
- Door weight: 250kg



No.	Part Name	Material	Finish
①	Body	Stainless Steel (SUS304)	Satin
②	Shaft		Plain
③	Head Cap		-
④	Ring		Plain

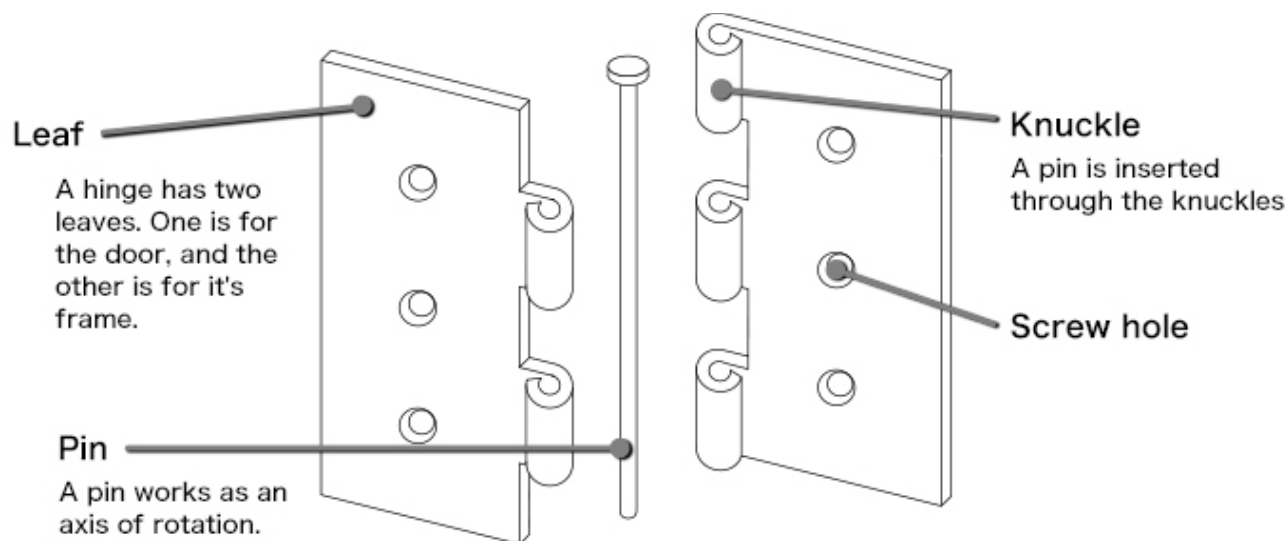
Rohs	CAD	Item Code	Item Name	Type	Load Capacity N / 2pcs	Load Capacity kgf / 2pcs	Weight (g)	Box (pc)	Carton (pcs)
		170-043-696	HG-LSC210	With screw holes	1960	200	2275	1	6
		170-043-697	HG-LSC210N	Without screw holes			2300	1	6

Parts of hinges

Common parts of hinges are shown in the picture below.

Hinges comprise two main parts, "leaf" and "pin".

The leaves rotate around the pin which is the rotational center for the hinges.

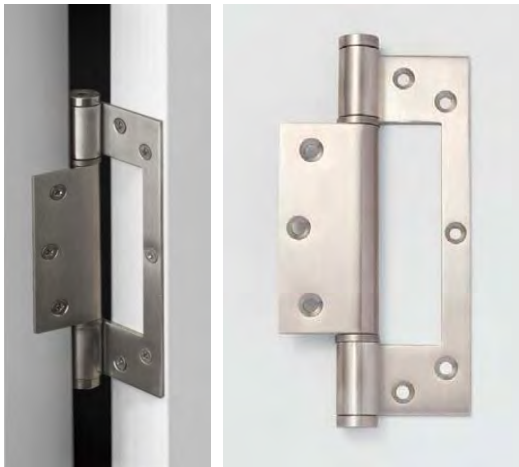


SPRING HINGE

L=R

STAINLESS
304
STEEL

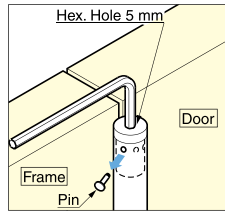
ST150-6314-05



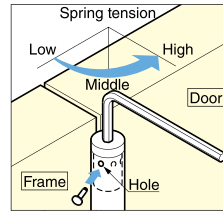
Features

- Successfully passed 500,000 open/close cycles in a private test.
- Spring powered to automatically close.
- Spring strength is adjustable.
- All parts made from stainless steel (SUS304) for high corrosion resistance.
- Easy surface installation does not require mortise.

How to Adjust Spring Tension

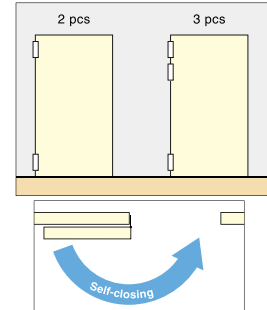


Loosen shaft with Hex key and remove the pin.



Adjust spring tension with three steps. Put the pin to the hole and fix.

Installation



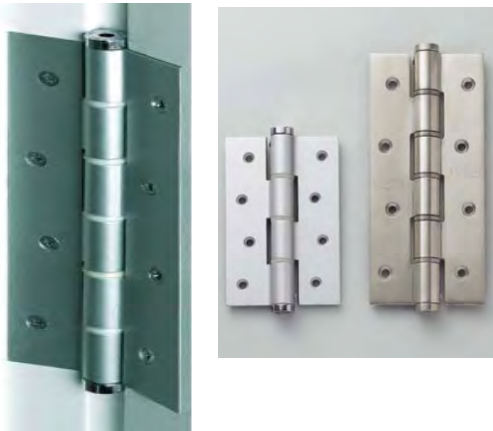
Item Code	Item Name	Material	Finish	Load Capacity (Door width Max. 1000 mm)		Weight	Box
170-022-486	ST150-6314-05	Stainless Steel (SUS304)	Plain	400 N (40 kgf)/2 pcs	600 N (60 kgf)/3 pcs	736 g	2 pcs

SPRING HINGE

L=R

STAINLESS
304
STEEL

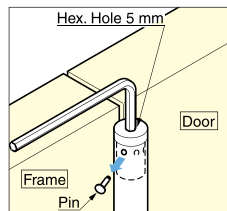
SA



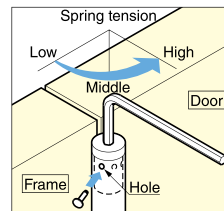
Features

- Successfully passed 500,000 open/close cycles in a private test.
- Spring powered to automatically close.
- Spring strength is adjustable.
- All parts made from stainless steel (SUS304) for high corrosion resistance.

How to Adjust Spring Tension

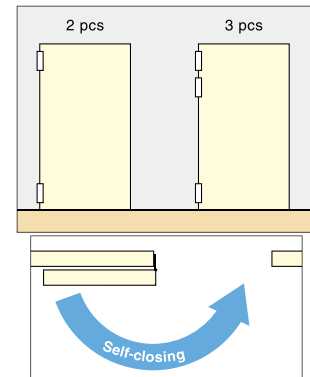


Loosen shaft with Hex key and remove the pin.



Adjust spring tension with three steps. Put the pin to the hole and fix.

Installation



Item Code	Item Name	Material	Finish	D	t	d ₁	d ₂	Load Capacity (Door width Max. 1000 mm)		Weight	Box
170-090-810	SA120-5314-01	Aluminium Alloy	Anodized	16	4	5	8	196 N (20 kgf)/2 pcs	294 N (30 kgf)/3 pcs	191 g	2 pcs
170-090-811	SA180-5814-01	Aluminium Alloy	Anodized	16	4	5	8	392 N (40 kgf)/2 pcs	588 N (60 kgf)/3 pcs	276 g	2 pcs
170-090-812	SA120-5314-05	Stainless Steel (SUS304)	Plain	17	2.5	5.5	9	196 N (20 kgf)/2 pcs	294 N (30 kgf)/3 pcs	276 g	2 pcs
170-090-813	SA180-5814-05	Stainless Steel (SUS304)	Plain	18	3	5.5	9	392 N (40 kgf)/2 pcs	588 N (60 kgf)/3 pcs	570 g	2 pcs

DOUBLE ACTION HINGE

L=R

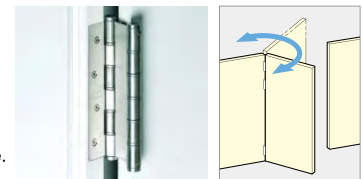
STAINLESS
304
STEEL

DA



Features

- Successfully passed 500,000 open/close cycles in a private test.
- Hinge allows door to be opened forwards or backwards.
- Spring powered to automatically close.
- Spring strength is adjustable.
- Angle of opening movement in either direction is 180°.
- All parts made from stainless steel (SUS304) for high corrosion resistance.



Item Code	Item Name	Material	Finish	W	W ₁	W ₂	P ₁	P ₂	D	t	d ₁	d ₂	Max. Door Thickness	Weight	Box
170-090-803	DA120-5404-01	Aluminium Alloy	Anodized	101	29.5	42	6.5	11.5	16	4	5	8	30	296 g	2 pcs
170-090-804	DA120-5414-01	Aluminium Alloy	Anodized	133	40	53	11	16	16	4	5	8	40	337 g	2 pcs
170-090-805	DA120-5414-05	Stainless Steel (SUS304)	Plain	133	40	53	11	16	17	2.5	5.5	9	36	599 g	2 pcs
170-090-806	DA180-5904-01	Aluminium Alloy	Anodized	101	29.5	42	6.5	11.5	16	4	5	8	30	431 g	2 pcs
170-090-807	DA180-5914-01	Aluminium Alloy	Anodized	133	40	53	11	16	16	4	5	8	40	492 g	2 pcs
170-090-808	DA180-5914-05	Stainless Steel (SUS304)	Plain	133	40	53	11	16	18	3	5.5	9	38	1,006 g	2 pcs
170-090-809	DA180-5934-01	Aluminium Alloy	Anodized	157	48.5	60	19.5	24.5	16	4	5	8	50	560 g	2 pcs

ALUMINIUM SPRING HINGE

DAW

L=R

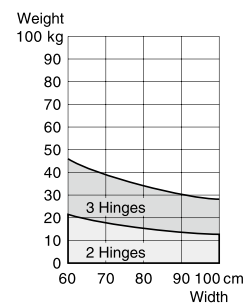


Features

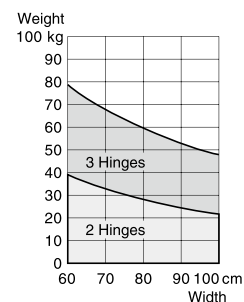
- Hinge allows door to be opened forwards or backwards.
- Spring powered to automatically close.
- Spring strength is adjustable.
- Angle of opening movement in either direction is 180°.
- Please use in combination with door stoppers.

Remarks

Please use with door stopper.

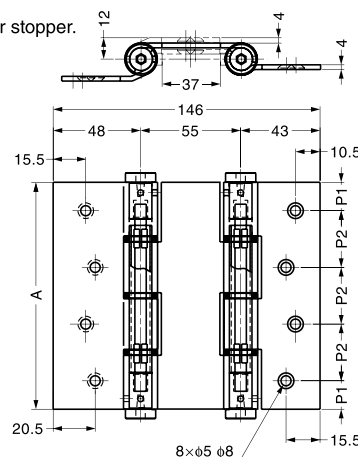
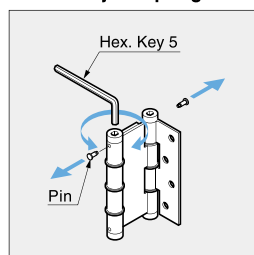
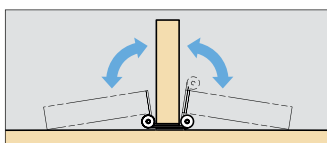


DAW120



DAW180

How to Adjust Spring Tension



Item Code	Item Name	Material	Finish	A	P1	P2	Door Thickness	Weight	Box
170-017-703	DAW120	Aluminium Alloy	Anodized	120	15	30	Max. 35	342 g	2 pcs
170-017-702	DAW180	Aluminium Alloy	Anodized	180	22.5	45	Max. 35	506 g	2 pcs

ALUMINIUM SPRING LIFT-OFF HINGE

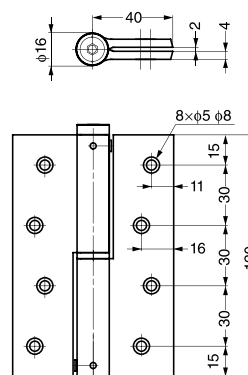
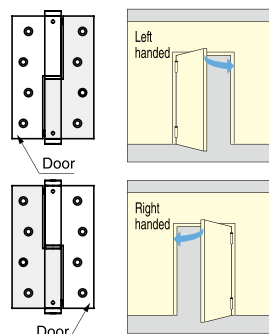
PM120



Features

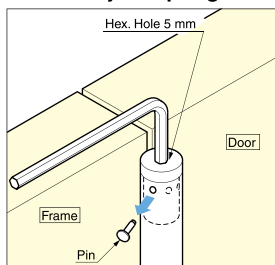
- Successfully passed 250,000 open/close cycles in a private test.
- Spring powered to automatically close.
- Spring strength is adjustable.
- Easy to remove door from frame post-installation.

Installation

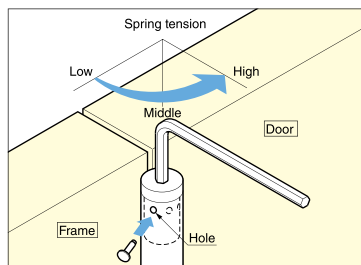


PM120-524401L

How to Adjust Spring Tension



Loosen shaft with Hex key and remove the pin.



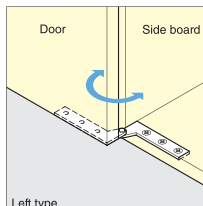
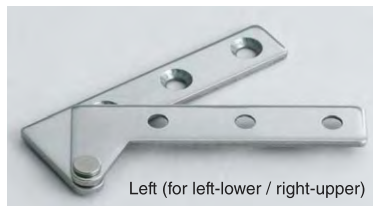
Adjust spring tension with three steps. Put the pin to the hole and fix.

Item Code	Item Name	Material	Finish	Load Capacity (Door Width Max. 1000 mm)		Weight	Box
170-022-484	PM120-524401L	Aluminium Alloy	Anodized	200 N (20 kgf)/2 pcs	300 N (30 kgf)/3 pcs	380 g	2 pcs
170-022-485	PM120-525401R	Aluminium Alloy	Anodized	200 N (20 kgf)/2 pcs	300 N (30 kgf)/3 pcs	380 g	2 pcs

INSET DOOR PIVOT HINGE

STAINLESS
430
STEEL

PP-60



Left (for left-lower / right-upper)

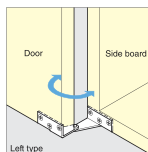
Left type

Item Code	Item Name	Type	Material	Finish	Door Width	Door Height	Door Weight	Weight	Box	Carton
170-090-261	PP-60R	Right (for right-lower / left-upper)	Stainless Steel (SUS430)	Plain	Max. 450	Max. 700	Max. 2.6 kg	22 g	100 pcs	1000 pcs
170-090-262	PP-60L	Left (for left-lower / right-upper)	Stainless Steel (SUS430)	Plain	Max. 450	Max. 700	/pair	22 g	100 pcs	1000 pcs

OVERLAY DOOR PIVOT HINGE

STAINLESS
430
STEEL

WP1, WP3



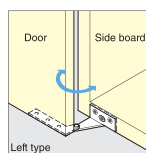
Left (for left-lower / right-upper)

Item Code	Item Name	Type	Material	Finish	Door Width	Door Height	Door Thickness	Door Weight	Weight	Box	Carton
170-090-257	WP1R	Right (for right-lower / left-upper)	Stainless Steel (SUS430)	Plain	Max. 300	Max. 700	Max. 24	Max. 1.8 kg	23 g	100 pcs	1000 pcs
170-090-258	WP1L	Left (for left-lower / right-upper)	Stainless Steel (SUS430)	Plain	Max. 300	Max. 700	Max. 24	/pair	23 g	100 pcs	1000 pcs
170-090-259	WP3R	Right (for right-lower / left-upper)	Stainless Steel (SUS430)	Plain	Max. 300	Max. 700	Max. 18	Max. 1.8 kg	21 g	100 pcs	1000 pcs
170-090-260	WP3L	Left (for left-lower / right-upper)	Stainless Steel (SUS430)	Plain	Max. 300	Max. 700	Max. 18	/pair	21 g	100 pcs	1000 pcs

OVERLAY DOOR PIVOT HINGE

STAINLESS
430
STEEL

PL-60



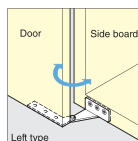
Left (for left-lower / right-upper)

Item Code	Item Name	Type	Material	Finish	Door Width	Door Height	Door Thickness	Door Weight	Weight	Box	Carton
170-090-263	PL-60R	Right (for right-lower / left-upper)	Stainless Steel (SUS430)	Plain	Max. 450	Max. 700	22	Max. 2.6 kg	27 g	100 pcs	1000 pcs
170-090-264	PL-60L	Left (for left-lower / right-upper)	Stainless Steel (SUS430)	Plain	Max. 450	Max. 700	22	/pair	27 g	100 pcs	1000 pcs

OVERLAY DOOR PIVOT HINGE

STAINLESS
430
STEEL

PL-65



Left (for left-lower / right-upper)

Item Code	Item Name	Type	Material	Finish	Door Width	Door Height	Door Thickness	Door Weight	Weight	Box	Carton
170-099-190	PL-65R	Right (for right-lower / left-upper)	Stainless Steel (SUS430)	Plain	Max. 450	Max. 700	22	Max. 4 kg	55 g	40 pcs	400 pcs
170-099-191	PL-65L	Left (for left-lower / right-upper)	Stainless Steel (SUS430)	Plain	Max. 450	Max. 700	22	/pair	55 g	40 pcs	400 pcs

OVERLAY DOOR PIVOT HINGE

STAINLESS
304
STEEL

PL-100



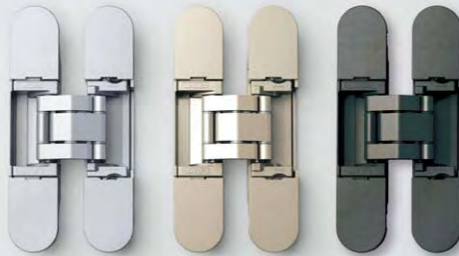
Item Code	Item Name	Type	Material	Finish	Door Width	Door Height	Door Weight	Weight	Box	Carton
170-099-379	PL-100R	Right (for right-lower / left-upper)	Stainless Steel (SUS304)	Polished	Max. 600	Max. 750	Max. 6 kg	55 g	70 pcs	420 pcs
170-099-380	PL-100L	Left (for left-lower / right-upper)	Stainless Steel (SUS304)	Polished	Max. 600	Max. 750	/pair	55 g	70 pcs	420 pcs

Right (for right-lower / left-upper)

3-WAY ADJUSTABLE CONCEALED HINGE



HES3D-90



Features

- Thin profile allows for shallow mortise and makes installation easier
- Jig (sold separately) makes installation easy
- Vertical, horizontal and depth adjustment possible post-installation (3way)
- Can be split into two parts (one for the frame and one for the flap) making installation easy
- Custom colors available on request. Please contact us for details.
- Minimum door thickness: 23mm
- Max door width: 600mm
- Max door height: 1500mm (Can be used on taller doors if weight is within specifications)

Parts Included

- Countersunk head screw 4x20 (4pcs./hinge)
- Hexagonal spanner x 2

No.	Part Name	Material	Finish		
			DC	DN	BL
①	Body	Zinc Alloy (ZDC)	Satin Chrome	Satin Nickel	Black
②	Base Frame	Zinc Alloy (ZDC)	Satin Chrome	Satin Nickel	Black
③	Arm	Zinc Alloy (ZDC)	Satin Chrome	Satin Nickel	Black
④	Shaft	Stainless Steel	—	—	—
⑤	Cover	ABS	Satin Chrome	Satin Nickel	Black

Item Code	Item Name	Colour	Door Width	Door Height	Door Thickness	Door Weight		Opening Angle	Weight	Box	Carton
170-029-221	HES3D-90DC	Silver	Max. 600	Max. 1500	Min. 23	Max. 12 kg/2 pcs	Max. 16 kg/3 pcs	180°	198 g	2 pcs	48 pcs
170-029-222	HES3D-90DN	Champagne Gold	Max. 600	Max. 1500	Min. 23	Max. 12 kg/2 pcs	Max. 16 kg/3 pcs	180°	198 g	2 pcs	48 pcs
170-033-588	HES3D-90BL	Black	Max. 600	Max. 1500	Min. 23	Max. 12 kg/2 pcs	Max. 16 kg/3 pcs	180°	198 g	2 pcs	48 pcs

3-WAY ADJUSTABLE CONCEALED HINGE

INSTRUCTION

HES3D-70



Passed 50,000 open/close private cycle test

Features

- Small HES series can be applied with Min. door thickness of 19 mm.
- Small bore depth, easy to cut out the door and frame.
- 3-way adjustment function allows vertical, horizontal, and depth adjustment after hinge installed.
- Hinge can be split into the door side and the frame side.

Remarks

- Can not be used with LAPCON DOOR DAMPER LDD or LAPCON DOOR CLOSER LDC-N2.
- Use below opening angle 180°.

Parts Included

- Countersunk head tapping screw 4 × 20 (4 pcs/hinge) SUS
- Hex key 2

No.	Part Name	Material	Finish		
			DC	DN	BL
①	Body	Zinc Alloy (ZDC)	Satin Chrome	Dull Nickel	Black Paint
②	Cover (2 pairs)	ABS	Silver Paint	Champagne Gold Paint	Black

CAD	Item Code	Item Name	Colour	Door Width (mm)	Door Height (mm)	Door Thickness (mm)	Door Weight kg/2 pcs	Door Weight kg/3 pcs	Opening Angle	Weight (g)	Box (pcs)	Carton (pcs)
	170-035-441	HES3D-70DC	Silver	Max. 600	Max. 1200	Min. 19	Max. 9	Max. 12	180°	95	2	48
	170-035-442	HES3D-70DN	Champagne Gold								2	48
	170-035-443	HES3D-70BL	Black								2	48

CONCEALED HINGE

L=R

INO-66N



Features

Front plate is made of stainless steel 304.

Remarks

- For using 3 pcs per one door, distance between top hinge and centre hinge must be 200 mm.
- Distance between door edge and hinge (marked * on below drawings) must be less than 4 mm.

Recommended Screw

Countersunk head wood screw 5.8

No.	Part Name	Material	Finish
①	Body	Polyamide (PA)	-
②	Front Plate	Stainless Steel (SUS304)	Satin
③	Arm	Stainless Steel (SUS304)	-

Item Code	Item Name	Door Width	Door Height	Door Weight		Opening Angle	Weight	Box	Carton
170-095-018	*1 INO-66N	Max. 800	Max. 2100	Max. 30 kg/2 pcs	Max. 50 kg/3 pcs	180°	100 g	24 pcs	144 pcs

HINGE

FURNITURE WOODEN DOOR

CONCEALED HINGE

CONCEALED HINGE

L=R

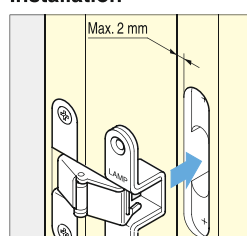
STAINLESS 304 STEEL

Y STAINLESS

RK-50



Installation



Features

For light door.

Remarks

Recommended for use in pairs.

Parts Included

Countersunk head wood screw 2.4x13 (SUS)

No.	Part Name	Material	Finish
①	Body	Stainless Steel (SUS304)	Satin
②	Cover	Stainless Steel (SUS304)	Plain
③	Arm	Stainless Steel (SUS304)	Satin
④	Eyelet	Stainless Steel (SUS304)	Plain
-	Other Axis Parts	Stainless Steel (SUS304)	Plain

Item Code	Item Name	Door Width	Door Height	Door Thickness	Door Weight	Opening Angle	Weight	Box	Carton
170-090-086	RK-50	Max. 450	Max. 700	Min. 15	Max. 2.6 kg/2 pcs	180°	28 g	24 pcs	240 pcs

CONCEALED HINGE

L=R

Y STAINLESS

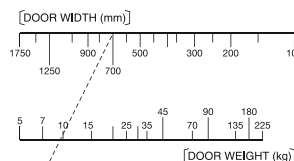
R



Reference for Your Choice

To determine the number of hinges required for each door:

- Using the chart to the right, locate the correct door width (upper scale) and door weight (lower scale). Draw a line connecting these 2 points to the chart below (point "a"). Then draw a vertical line through the lower chart to find the number and type of hinges required.
- Check door thickness requirements.



Item No.	Required Number Of Hinges (pcs)				Min. Door Thickness
R-43	2	3	4		13 mm
R-45	2	3	4		19 mm
R-60	2	3	4		19 mm
R-70	2	3	4		25 mm
R-100	2	3	4		29 mm

Parts Included

- Countersunk head wood screw (SUS)
- Countersunk head tapping screw (SUS) (R-70 only)

Item No.	Qty of Hinges
R- 43	3 pcs
R- 45	3 pcs
R- 60	3 pcs
R- 70	2 pcs
R-100	2 pcs

Features

Door size: Max. W450 x H700 x t 21 mm

No.	Part Name	Material					Finish
		R-43	R-45	R-60	R-70	R-100	
①	Body	Zinc Alloy					Satin Chrome
②	Arm	Stainless Steel (SUS304)					Plain
③	Shaft	Stainless Steel		Stainless Steel (SUS303)		Stainless Steel	
④	Shaft	Stainless Steel (SUS304)		Stainless Steel (SUS303)		Steel	
⑤	Shaft						
*	Roller	-					Nickel

[In case of door width, 700 mm and door weight, 15 kg]

Item Code	Item Name	L	L ₁	B	B ₁	P ₁	P ₂	H	h	t	d	D	C	X	Screw	Number of Arm	Opening Angle	Weight	Box	Carton
170-090-079	R-43	43	22	29	11	32	18	13	5	5	3.5	6.2	0.8	2.3	3.1×16	12	180°	42 g	30 pcs	300 pcs
170-090-084	R-45	45	19	35.7	13	32	22.7	18.5	6	5	3.5	7	0.8	3	3.1×20	8	180°	61 g	20 pcs	200 pcs
170-090-081	R-60	60	33	35.2	13	47	22.2	18.5	6.5	6.5	4.3	8.3	1	3	3.5×20	12	180°	104 g	10 pcs	100 pcs
170-095-200	R-70	70	35	42.6	16.1	53	26.6	23	7.3	7	4.6	9.1	1.2	3.5	4 ×25	12	180°	164 g	10 pcs	100 pcs
170-095-201	R-100	100	52	53.2	20	80	33.2	27.5	9.5	9.5	5.3	10	1.8	4.8	4.5×32	16	180°	351 g	10 pcs	60 pcs

100° Opening

19 mm Overlay

Overlay
15 - 19 mm

Cup Dia Φ 35 Bore Depth 11 mm
Door Thickness 15 - 20 mm

Stainless Steel Mounting Plate
100 Series (P.377)



CONCEALED HINGE (STAINLESS STEEL)

STAINLESS
304
STEEL

100

Item Code	Item Name	Type	Material	Finish	Weight	Carton
160-073-865	100-46/19 SUS304B	w/o Catch	Stainless Steel (SUS304)	Polished	39 g	200 pcs
160-073-870	100-C46/19 SUS304B	w/ Catch	Stainless Steel (SUS304)	Polished	44 g	200 pcs

Features

Screw mount.

Sold Separately

Stainless steel 100 series mounting plate (P.377)

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

100° Opening

14 mm Overlay

Overlay
10 - 14 mm

Cup Dia Φ 35 Bore Depth 11 mm
Door Thickness 15 - 20 mm

Stainless Steel Mounting Plate
100 Series (P.377)



CONCEALED HINGE (STAINLESS STEEL)

STAINLESS
304
STEEL

100

Item Code	Item Name	Type	Material	Finish	Weight	Carton
160-073-875	100-46/14 SUS304B	w/o Catch	Stainless Steel (SUS304)	Polished	41 g	200 pcs
160-073-880	100-C46/14 SUS304B	w/ Catch	Stainless Steel (SUS304)	Polished	45 g	200 pcs

Features

Screw mount.

Sold Separately

Stainless steel 100 series mounting plate (P.377)

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

100° Opening

9 mm Overlay

Overlay
5 - 9 mm

Cup Dia Φ 35 Bore Depth 11 mm
Door Thickness 15 - 20 mm

Stainless Steel Mounting Plate
100 Series (P.377)



CONCEALED HINGE (STAINLESS STEEL)

STAINLESS
304
STEEL

100

Item Code	Item Name	Type	Material	Finish	Weight	Carton
160-073-883	100-46/9 SUS304B	w/o Catch	Stainless Steel (SUS304)	Polished	42 g	200 pcs
160-073-884	100-C46/9 SUS304B	w/ Catch	Stainless Steel (SUS304)	Polished	46 g	200 pcs

Features

Screw mount.

Sold Separately

Stainless steel 100 series mounting plate (P.377)

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

STAINLESS STEEL MOUNTING PLATE 100 SERIES

STANDARD TYPE

100-P3A-SUS304B

STAINLESS
304
STEEL



Standard height: 0 mm

Item Code	Item Name	Finish	Weight	Carton
160-074-155	100-P3A-SUS304B	Polished	22 g	400 pcs

SYSTEM 35, 30 TYPE

100-P4A-30-SUS304B



Standard height: 0 mm

Item Code	Item Name	Finish	Weight	Carton
160-074-152	100-P4A-30-SUS304B	Polished	26 g	400 pcs

SYSTEM 37, 32 TYPE

100-P4A-32-SUS304B



Standard height: 0 mm

Item Code	Item Name	Finish	Weight	Carton
160-074-149	100-P4A-32-SUS304B	Polished	27 g	400 pcs

SYSTEM 37, 32 TYPE

100-P4A/32-3WAY-SUS304B



Standard height: 0 mm

Item Code	Item Name	Finish	Weight	Carton
160-079-044	100-P4A/32-3WAY-SUS304B	Polished	26 g	400 pcs

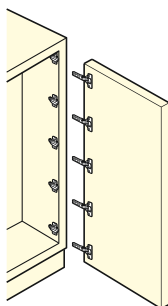
HEAVY DUTY CONCEALED HINGE

J95

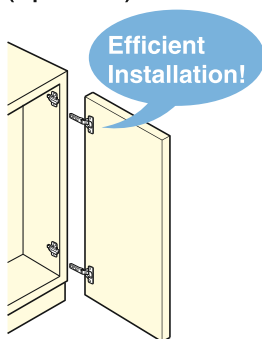
Max. Door Weight : 25 kg with 2 pcs, 40 kg with 3 pcs.

You can reduce the time spending over construction and installation since you don't need to install as many as regular concealed hinges. It can be used for heavy door applications such as big cabinets in houses or stores.

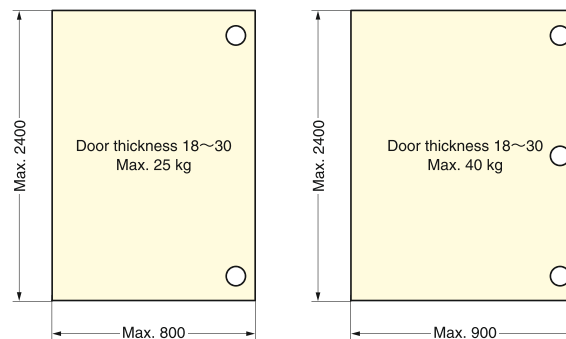
Normal Concealed Hinges
(5 pcs used)



J95
(2 pcs used)

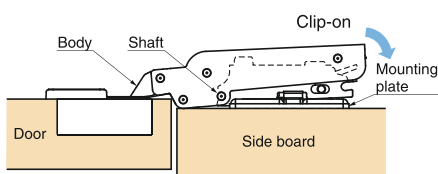


The Number of Necessary Hinges with Door Dimensions



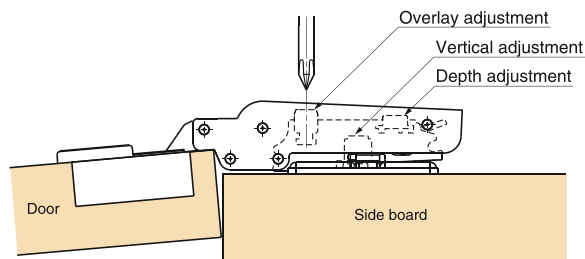
Simple Installation and Detachment by One-Touch

How to Install

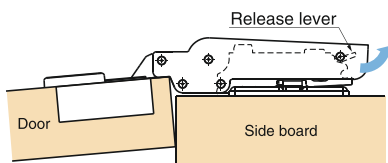


Easy and Fast Adjustment

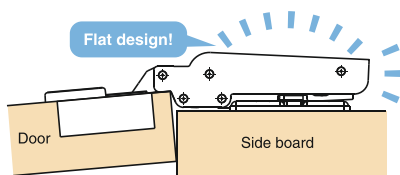
Door can be adjusted by turning adjustment screws.



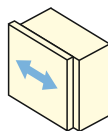
How to Release



Flat Design

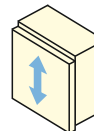


Overlay Adjustment (Horizontal Adjustment)



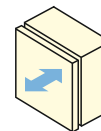
+ 0 mm, - 4 mm

Vertical Adjustment



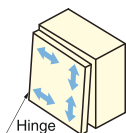
± 3 mm

Depth Adjustment



+ 1.5 mm, - 2.5 mm

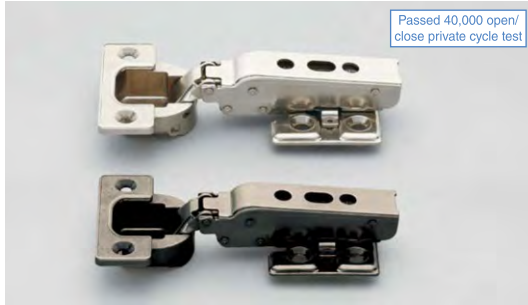
Tilting Adjustment



Tilting adjustment can be done by using these three ways of adjustments.

95° Opening
25 mm Overlay
Overlay 21 - 25 mm
(When Bore Distance is 8 mm)

Cup Dia Φ 40 Bore Depth 15 mm
Door Thickness 18 - 30 mm

Mounting Plate
J95-P6T


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

CONCEALED HINGE

J95

Item Code	Item Name	Type	Material	Finish	Weight	Carton
160-026-905	J95-24/25T	w/o Catch	Body/Steel, Cup/Zinc Alloy (ZDC)	Nickel	131 g	100 pcs
160-026-731	J95-C24/25T	w/ Catch		Nickel	143 g	100 pcs
160-034-919	J95-24/25T BN	w/o Catch		Black	134 g	100 pcs
160-034-916	J95-C24/25T BN	w/ Catch		Nickel	146 g	100 pcs

Features

- 3-way-adjustment function by mounting plate (depth + 1.5, - 2.5 mm, vertical $\pm$ 3 mm, overlay [horizontal] + 0, - 4 mm).
- Snap on mount.

Sold Separately

- Mounting plate (P.368) • Face plate for glass door (P.373) • Safety cover
- Cover for mounting plate (P.373)

95° Opening
16 mm Overlay
Overlay 12 - 16 mm
(When Bore Distance is 8 mm)

Cup Dia Φ 40 Bore Depth 15 mm
Door Thickness 18 - 30 mm

Mounting Plate
J95-P6T


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

CONCEALED HINGE

J95

Item Code	Item Name	Type	Material	Finish	Weight	Carton
160-033-658	J95-24/16T	w/o Catch	Body/Steel, Cup/Zinc Alloy (ZDC)	Nickel	131 g	50 pcs
160-033-657	J95-C24/16T	w/ Catch		Nickel	143 g	50 pcs
160-034-920	J95-24/16T BN	w/o Catch		Black	143 g	50 pcs
160-034-917	J95-C24/16T BN	w/ Catch		Nickel	155 g	50 pcs

Features

- 3-way-adjustment function by mounting plate (depth + 1.5, - 2.5 mm, vertical $\pm$ 3 mm, overlay [horizontal] + 0, - 4 mm).
- Snap on mount.

Sold Separately

- Mounting plate (P.368)
- Face plate for glass door (P.373)
- Safety cover (P.373)
- Cover for mounting plate (P.373)

93° Opening
Inset
Overlay -4 - 0 mm
(When Bore Edge Distance is 8 mm)

Cup Dia Φ 40 Bore Depth 15 mm
Door Thickness 18 - 30 mm

Mounting Plate
J95-P6T


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

CONCEALED HINGE

J95

Item Code	Item Name	Type	Material	Finish	Weight	Carton
160-033-660	J95-24/0T	w/o Catch	Body/Steel, Cup/Zinc Alloy (ZDC)	Nickel	148 g	50 pcs
160-033-659	J95-C24/0T	w/ Catch		Nickel	160 g	50 pcs
160-034-921	J95-24/0T BN	w/o Catch		Black	148 g	50 pcs
160-034-918	J95-C24/0T BN	w/ Catch		Nickel	160 g	50 pcs

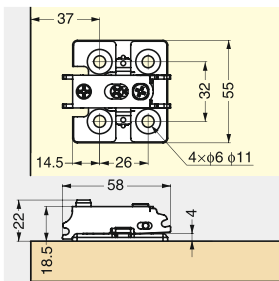
Features

- 3-way-adjustment function by mounting plate (depth + 1.5, - 2.5 mm, vertical $\pm$ 3 mm, overlay [horizontal] + 0, - 4 mm).
- Snap on mount.

Sold Separately

- Mounting Plate (P.368)
- Safety cover (P.373)
- Face plate for glass door (P.373)
- Cover for mounting plate (P.373)

MOUNTING PLATE

J95-P6T


Features

- Depth adjustment : + 1.5 -2.5 mm
- Vertical adjustment : $\pm$ 3 mm
- Overlay distance adjustment : + 0, - 4 mm
- Thickness: 0 mm (Standard)

Recommended Screw

Size 5 raised countersunk head tapping screw or wood screw.

Item Code	Item Name	Material	Finish	Weight	Carton
160-026-732	J95-P6T	Steel/Zinc Alloy (ZDC)	Nickel	94 g	100 pcs
160-034-927	J95-P6T BN		Black Nickel	94 g	100 pcs

SPECIALTY OVERLAY HINGE W/ SOFT-CLOSE (25mm Overlay)



J160-D22



Nickel (NI)

Black Nickel (BN)

- 3-way adjustability with built-in damper.
- Load capacity: 55 lbs (25 kg)/2 pcs, 88 lbs (40 kg)/3 pcs.
- Maximum door width: 31-1/2" (800 mm)/2 pcs, 35-7/16" (900 mm)/3 pcs.
- Wide-opening hinge allowing 160° opening.
- Successfully passed 50,000 open/close private cycle test.
- Recommended door thickness: 11/16~1-7/16" (18~36 mm).
- Includes mounting plates and screw covers.
- Built in damper allows doors to soft-close.

■ Door edge to bore edge distance (C) and Overlay distance (E)

Table-1

Door edge to bore edge distance (C)	1/8"(3)	5/32"(4)	13/64"(5)	15/64"(6)	9/32"(7)	15/16"(8)
Overlay distance (E)	25/32"(20)	53/64"(21)	55/64"(22)	29/32"(23)	15/16"(24)	63/64"(25)

Overlay adjustment (Max.-4mm) by turning the overlay adjustment screw.

Opening Clearance (O.C.)

Clearances for door edge O.C. (A) and hinge side O.C. (B) are necessary. O.C. (A) and (B) change depending on door thickness and bore distance (C). Refer to locus chart and tables below when designing cabinets.

■ Hinge side opening clearance chart

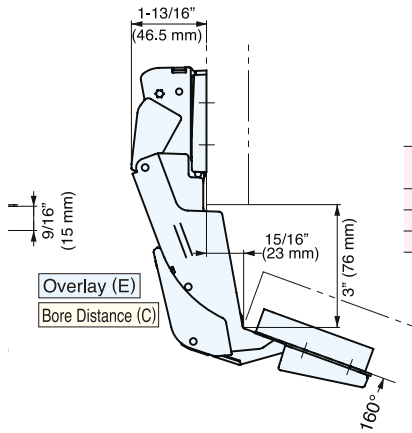
Table-2

Door Thickness (D)*	Door edge to bore edge distance (C)					
	1/8"(3)	5/32"(4)	13/64"(5)	15/64"(6)	9/32"(7)	15/16"(8)
1-11/32"(34) and under	0.1 and under					
1-27/64"(36)	1/64"(0.2)	1/64"(0.2)	1/64"(0.2)	1/64"(0.2)	1/64"(0.2)	1/64"(0.2)
1-1/2"(38)*	1/64"(0.5)	1/64"(0.5)	1/64"(0.5)	1/64"(0.5)	1/32"(0.6)	1/32"(0.6)
1-37/64"(40)*	3/64"(1.0)	3/64"(1.0)	3/64"(1.1)	3/64"(1.2)	3/64"(1.3)	1/16"(1.4)
Hinge side O.C (B)						

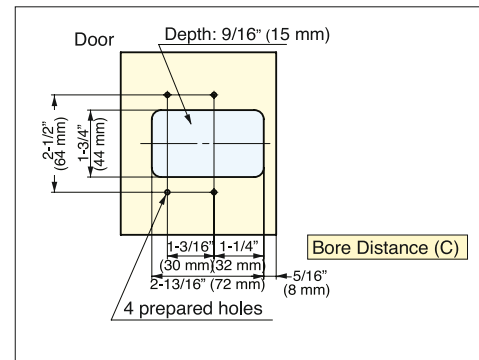
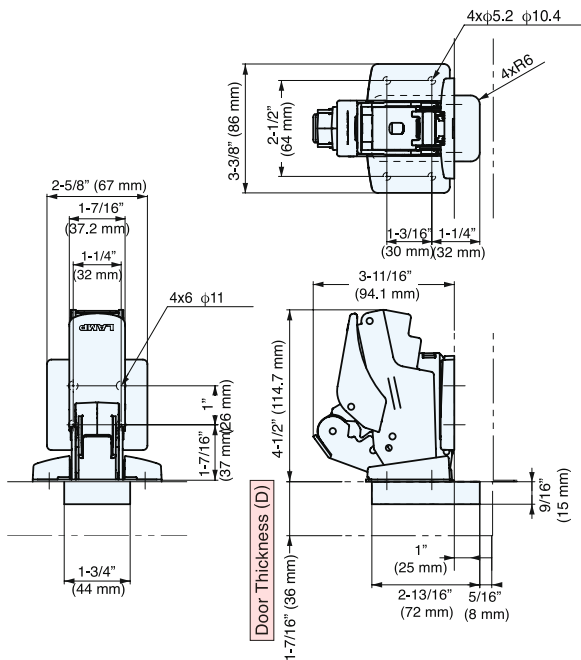
*Please refer to the locus chart if door thickness is over 36 mm. (O.C. (B) can be made smaller by R chamfering (round chamfer) or C chamfering (chamfer plane) on the door)

Table-3

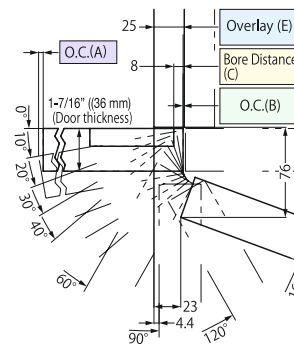
Door Thickness (D)*	Door Width					
	11-13/16"(300)	15-3/4"(400)	19-11/16"(500)	23-5/8"(600)	27-9/16"(700)	31-1/2"(800)
25/32"(20)	1/16"(1.6)	3/64"(1.2)	3/64"(1.0)	1/32"(0.8)	1/32"(0.7)	1/32"(0.6)
1-3/16"(30)	5/64"(1.9)	1/16"(1.4)	3/64"(1.2)	3/64"(1.0)	1/32"(0.8)	1/32"(0.7)
1-27/64"(36)	5/64"(1.9)	1/16"(1.5)	3/64"(1.2)	3/64"(1.0)	1/32"(0.8)	1/32"(0.7)
O.C.(A)						



Overlay (E)
Bore Distance (C)



Bore Dimensions



Item No.	Weight (g)	Box (pcs)	Carton (pcs)	Material	Finish
J160-D22-25T-NI	710	1	12	Steel, Zinc Alloy (ZDC), Glass Filled Polyamide (PA)	Nickel (NI)
J160-D22-25T-BN					Black Nickel (BN)

DROP HINGE (ADJUSTABLE TYPE)

L=R

SDH-001

HINGE

FURNITURE WOODEN DOOR



SDH-001

SDH-001BL

■ Features

- Opening angle 90° .
- 3-way adjustment: Door gap : +1 mm / Horizontal : ±1 mm / Overlay : 14-16 mm
- Flush when opened, ideal for writing desk application.
- Can be used with soft-down stay SDS-100 (P.510) or NSDX-10 (P.518).
- Glass door type SDH-G (P.412) is also available.

■ Recommended Screws

Pan head tapping screw 3×13

■ Sold Separately

Pan head tapping screw 3×13 coated in black for SDH-001BL (300 pcs/1 pack)



■ Pan Head Tapping Screw 3×13 in Black (For SDH-001BL)

Item Code	Item Name	1 pack
170-011-885	SDH-001-S-BL	300 pcs

Item Code	Item Name	Material	Finish	Overlay	Door Thickness	Opening Angle	Weight	Box	Carton
170-090-471	SDH-001	Zinc Alloy (ZDC)	Nickel	14~16	16~20	90°	85 g	50 pcs	200 pcs
170-010-648	SDH-001BL	Zinc Alloy (ZDC)	Black	14~16	16~20	90°	85 g	50 pcs	200 pcs

DROP HINGE (ADJUSTABLE TYPE)

DROP HINGE (ADJUSTABLE TYPE)

L=R

SDH-P



Drop Hinge + Covers

Features

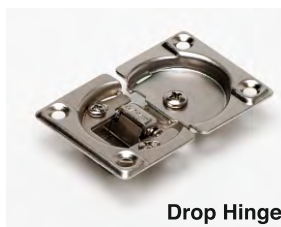
- 3-way adjustment.
- Overlay: 16-19 mm / Horizontal: ±1 mm / Door gap: 1-3 mm
- Can be used with soft-down stay SDS-100, SDS-100TV, NSDX-10(R/L)K, NSDX-10(R/L)K-TV, CSD-10-TV.

Recommended Screws

Pan head tapping screw 3.5

Sold Separately

Cover cap SDH-PSC-BL and SDH-PMC-BL



Drop Hinge

Drop Hinge + Covers

Item Code	Item Name
170-035-444	SDH-P-BL-SET
170-037-357	SDH-P-WT-SET
170-037-358	SDH-P-NI-SET

Cover Set (Covers for Socket and Mounting Plate)

Item Code	Item Name	Material	Colour
170-034-769	SDH-PC-BL	ABS	Black
170-034-828	SDH-PC-WT	ABS	White
170-034-829	SDH-PC-NI	ABS	Nickel

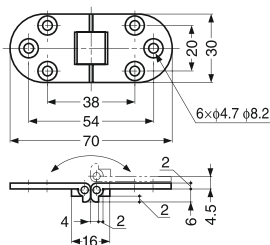
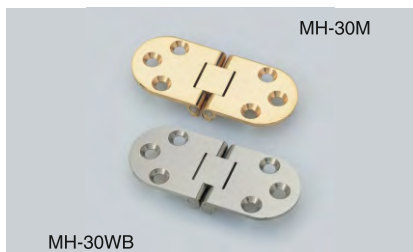
Drop Hinge

Item Code	Item Name	Material	Finish	Overlay	Door Thickness	Opening Angle	Box	Carton
170-034-200	SDH-P	Steel	Nickel	16 - 19	16 - 20	90°	50 pcs	200 pcs

TABLETOP HINGE

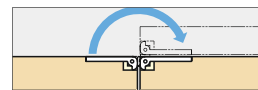
L=R

MH-30



Features

Double pivot hinge allows 180° opening.

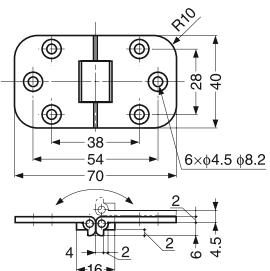


Item Code	Item Name	Material	Finish	Door Width	Door Height	Door Thickness	Door Weight	Weight	Box	Carton
170-090-052	MH-30M	Brass	Polished	Max. 450	Max. 700	Max. 21	Max. 4 kg/2 pcs	45 g	24 pcs	360 pcs
170-090-051	MH-30WB	Brass	Satin Nickel	Max. 450	Max. 700	Max. 21	Max. 4 kg/2 pcs	45 g	24 pcs	360 pcs
170-090-050	MH-30CR	Brass	Chrome	Max. 450	Max. 700	Max. 21	Max. 4 kg/2 pcs	45 g	24 pcs	360 pcs

TABLETOP HINGE

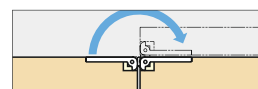
L=R

MH-40



Features

Double pivot hinge allows 180° opening.



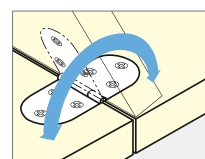
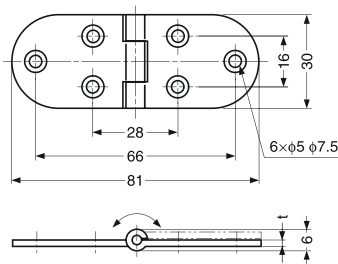
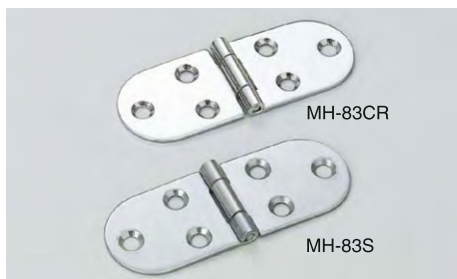
Item Code	Item Name	Material	Finish	Door Width	Door Height	Door Thickness	Door Weight	Weight	Box	Carton
170-090-057	MH-40M	Brass	Polished	Max. 450	Max. 700	Max. 21	Max. 4 kg/2 pcs	64 g	16 pcs	240 pcs
170-090-056	MH-40WB	Brass	Satin Nickel	Max. 450	Max. 700	Max. 21	Max. 4 kg/2 pcs	64 g	16 pcs	240 pcs
170-090-055	MH-40CR	Brass	Chrome	Max. 450	Max. 700	Max. 21	Max. 4 kg/2 pcs	64 g	16 pcs	240 pcs

TABLETOP HINGE

L=R

STAINLESS 304 STEEL

MH-83



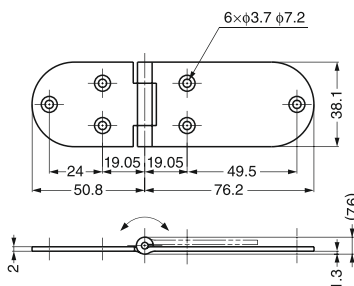
Item Code	Item Name	Material	Finish	t	Door Width	Door Height	Door Thickness	Door Weight	Weight	Box	Carton
170-090-046	MH-83CR	Steel	Chrome	1.6	Max. 450	Max. 700	Max. 21	Max. 4 kg/2 pcs	31 g	100 pcs	1000 pcs
170-090-045	MH-83S	Stainless Steel (SUS304)	Satin	1.5	Max. 450	Max. 700	Max. 21	Max. 4 kg/2 pcs	28 g	100 pcs	1000 pcs

TABLETOP HINGE

L=R

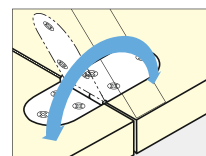
STAINLESS 304 STEEL

MA-5



Recommended Screw

Countersunk head wood screw 3.5



Item Code	Item Name	Material	Finish	Door Width	Door Height	Door Thickness	Door Weight	Weight	Box	Carton
170-918-023	MA-5	Stainless Steel (SUS304)	Mirror	Max. 450	Max. 700	Max. 21	Max. 4 kg/2 pcs	77 g	35 pcs	350 pcs

DAMPER HINGES DIGEST



Hinges with an in built torque damper to control the movement of lids and flaps.
An elegant solution using one unit rather than two
Soft closing lids are safer and don't bang shut.
Can be configured for self opening or lift assist too

DAMPER HINGES



Item Name	Damper Hinge
Item Code	HG-JHM11
Load Capacity N (kgf)	0.05-0.1 to 2.96-4.08
Material	Polyacetal (POM)
Finish/Colour	Black/White



Item Name	Damper Hinge
Item Code	HG-JHM14
Load Capacity N (kgf)	0.05-0.8 to 20.39
Material	Polyacetal (POM)
Finish/Colour	Black/White



Item Name	Damper Hinge
Item Code	HG-JHM16
Load Capacity N (kgf)	0.05-0.8 to 20.39
Material	Polyacetal (POM)
Finish/Colour	Black/White



Item Name	Damper Hinge
Item Code	HG-JHM20
Load Capacity N (kgf)	61.2 to 811.6 kgf cm/pair
Material	Polyacetal (POM)
Finish/Colour	Black/White



Item Name	Damper Hinge (surface Mount Type)
Item Code	HG-JHM20T
Load Capacity N (kgf)	5.61kg ~ 3.90 kg
Material	Steel (SPCC)/ZDC, POM, ABS
Finish/Colour	Nickle Black



Item Name	Damper Hinge
Item Code	HG-JHW16S
Load Capacity N (kgf)	2.0~3.4 N.m/pc
Material	PBT
Finish/Colour	Emboss/Dark Grey



Item Name	Stainless Steel Damper Hinge
Item Code	HG-JH14-50
Load Capacity N (kgf)	30.6 to 51 kgf cm/pair
Material	SCS13 Steel
Finish/Colour	Mirror



Item Name	Damper Hinge
Item Code	HG-JH
Load Capacity N (kgf)	30.6 to 51 kgf cm/pair
Material	PBT Resin
Finish/Colour	Dark Grey



Item Name	Damper Hinge
Item Code	HG-JHW16S
Load Capacity N (kgf)	5.61kg ~ 3.90 kg
Material	PBT Resin, Zinc
Finish/Colour	Dark Grey

J-95 HEAVY DUTY CONCEALED HINGE



95° Opening

J-95 Concealed Hinge For Framless Glass Door (ref to pg. 27)

Mounting Plate
J95-P6T



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

CONCEALED HINGE

J95

Item Code	Item Name	Type	Material	Finish	Weight	Carton
160-026-905	J95-24/25T	w/o Catch	Body/Steel, Cup/Zinc Alloy (ZDC)	Nickel	131 g	100 pcs
160-026-731	J95-C24/25T	w/ Catch		Nickel	143 g	100 pcs
160-034-919	J95-24/25T BN	w/o Catch		Black Nickel	134 g	100 pcs
160-034-916	J95-C24/25T BN	w/ Catch		Nickel	146 g	100 pcs

Features

- 3-way-adjustment function by mounting plate (depth + 1.5, - 2.5 mm, vertical $\pm$ 3 mm, overlay [horizontal] + 0, - 4 mm).
- Snap on mount.

Sold Separately

- Mounting plate (P.368) • Face plate for glass door (P.373) • Safety cover
- Cover for mounting plate (P.373)

95° Opening

J-95 Concealed Hinge For Framless Glass Door (ref to pg. 27)

Mounting Plate
J95-P6T



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

CONCEALED HINGE

J95

Item Code	Item Name	Type	Material	Finish	Weight	Carton
160-033-658	J95-24/16T	w/o Catch	Body/Steel, Cup/Zinc Alloy (ZDC)	Nickel	131 g	50 pcs
160-033-657	J95-C24/16T	w/ Catch		Nickel	143 g	50 pcs
160-034-920	J95-24/16T BN	w/o Catch		Black Nickel	143 g	50 pcs
160-034-917	J95-C24/16T BN	w/ Catch		Nickel	155 g	50 pcs

Features

- 3-way-adjustment function by mounting plate (depth + 1.5, - 2.5 mm, vertical $\pm$ 3 mm, overlay [horizontal] + 0, - 4 mm).
- Snap on mount.

Sold Separately

- Mounting plate (P.368) • Safety cover (P.373)
- Face plate for glass door (P.373) • Cover for mounting plate (P.373)

93° Opening

J-95 Concealed Hinge For Framless Glass Door (ref to pg. 27)

Mounting Plate
J95-P6T



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

CONCEALED HINGE

J95

Item Code	Item Name	Type	Material	Finish	Weight	Carton
160-033-660	J95-24/0T	w/o Catch	Body/Steel, Cup/Zinc Alloy (ZDC)	Nickel	148 g	50 pcs
160-033-659	J95-C24/0T	w/ Catch		Nickel	160 g	50 pcs
160-034-921	J95-24/0T BN	w/o Catch		Black Nickel	148 g	50 pcs
160-034-918	J95-C24/0T BN	w/ Catch		Nickel	160 g	50 pcs

Features

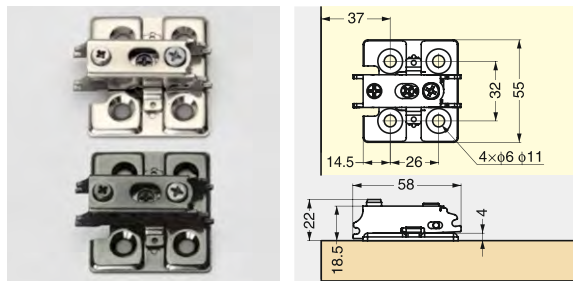
- 3-way-adjustment function by mounting plate (depth + 1.5, - 2.5 mm, vertical $\pm$ 3 mm, overlay [horizontal] + 0, - 4 mm).
- Snap on mount.

Sold Separately

- Mounting Plate (P.368) • Safety cover (P.373)
- Face plate for glass door (P.373) • Cover for mounting plate (P.373)

MOUNTING PLATE

J95-P6T



Features

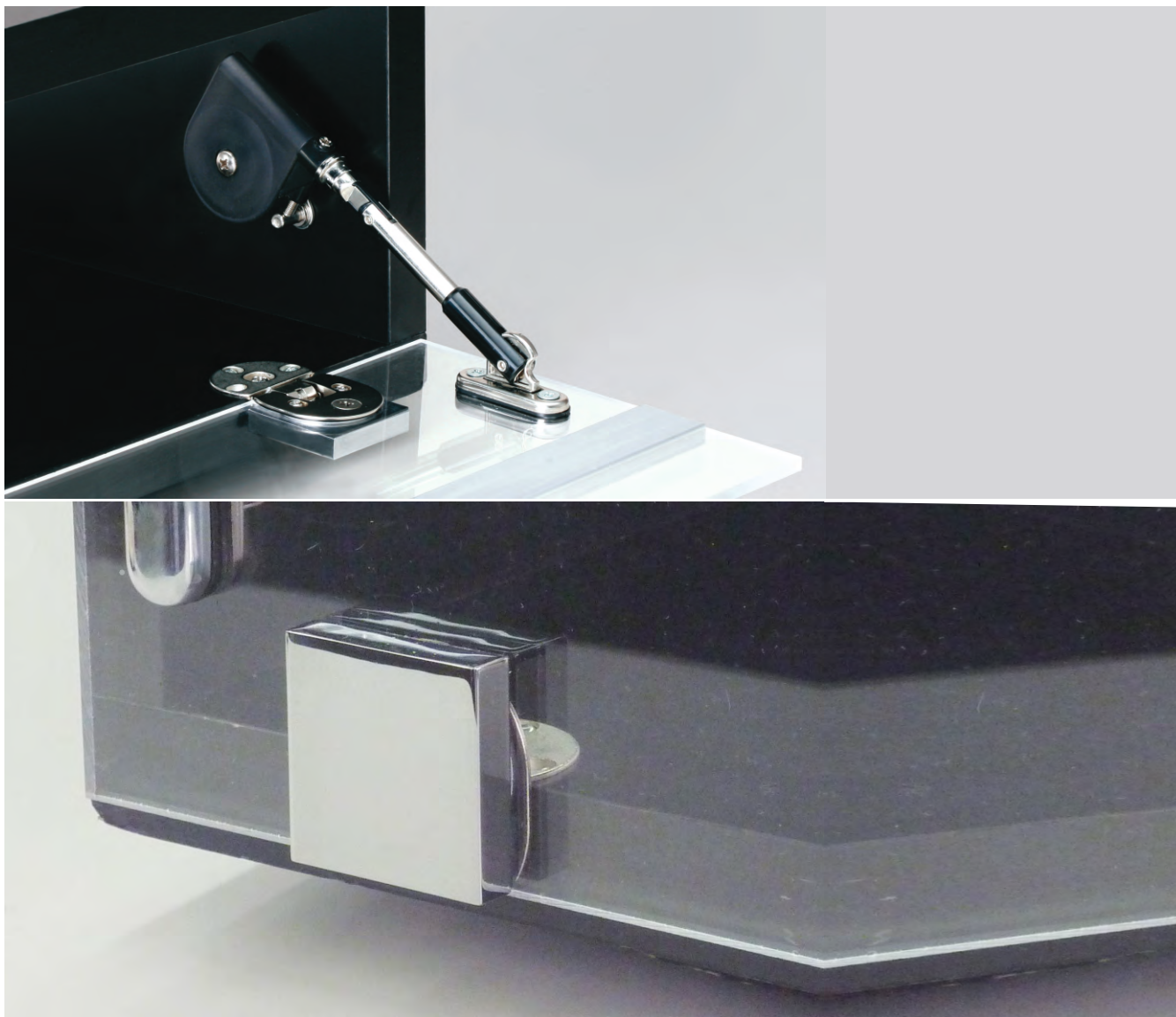
- Depth adjustment : + 1.5 -2.5 mm
- Vertical adjustment : $\pm$ 3 mm
- Overlay distance adjustment : + 0, - 4 mm
- Thickness: 0 mm (Standard)

Recommended Screw

Size 5 raised countersunk head tapping screw or wood screw.

Item Code	Item Name	Material	Finish	Weight	Carton
160-026-732	J95-P6T	Steel/Zinc Alloy (ZDC)	Nickel	94 g	100 pcs
160-034-927	J95-P6T BN		Black Nickel	94 g	100 pcs

DROP HINGE FOR GLASS



DROP HINGE (FOR GLASS DOOR)

L=R

SDH-G



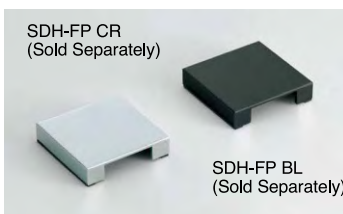
Features

- Opening angle 90°.
- 3-way adjustment:
Door gap : 2-3 mm / Horizontal : ± 1 mm / Overlay : 14-16 mm
- Can be used with soft-down stay SDS-100 or NSDX-10

Sold Separately

Face plate SDH-FP

Item Code	Item Name	Material	Finish	Overlay	Glass Thickness	Opening Angle	Weight	Box
170-016-331	SDH-G	Zinc Alloy (ZDC)	Nickel	14 - 16	4 - 6	90°	91 g	50 pcs



Face Plate (Sold Separately)

Item Code	Item Name	Material	Finish/Colour	Weight	Box
170-016-332	SDH-FP CR	Zinc Alloy (ZDC)	Chrome	43 g	50 pcs
170-016-333	SDH-FP BL	Zinc Alloy (ZDC)	Black	43 g	50 pcs

FACE PLATE FOR GLASS DOOR

J95 Application



GH-J95FP



GH-J95FP-CR



GH-J95FP-SN



Parts Included

Countersunk head screw M5x18

Sold Separately

- Heavy duty concealed hinge J95
- Mounting plate J95-P6T

*Black Nickel will be available soon.

Item Code	Item Name	Material	Finish	Weight	Carton
160-032-418	GH-J95FP-CR	Zinc Alloy (ZDC)	Chrome	320 g	20 pcs
160-033-893	GH-J95FP-SN		Satin Nickel		20 pcs

No.	Part Name	Material	Finish/Colour
①	Face Plate	Zinc Alloy (ZDC)	Chrome/Satin Nickel
②	Face Plate Spacer	Polyacetal (POM)	Black
③	Socket Spacer		

FACE PLATE FOR GLASS DOOR

GH-J95FP-Q1



Parts Included

Countersunk head screw M5x18

Sold Separately

- Heavy duty concealed hinge J95
- Mounting plate J95-P6T

No.	Part Name	Material	Finish/Colour
①	Face Plate	Zinc Alloy (ZDC)	Chrome
			24 Karat Gold Plated
			Antique Brass
②	Decorative Plate	Brass	(As Left)
③	Socket Spacer	Polyacetal (POM)	Black
④	Face Plate Spacer		

Item Code	Item Name	Finish/Colour	Weight	Carton
160-035-782	GH-J95FP-Q1-SL	Nickel	305 g	20pc
160-035-783	GH-J95FP-Q1-GL	24 Karat Gold Plated		20pc
160-035-784	GH-J95FP-Q1-BR	Antique Brass		20pc
160-035-785	GH-J95FP-Q1-BL	Black Nickel		20pc

SAFETY COVER

J95SC



J95SC-25GR



J95SC-25NI

Features

The cover locks the release lever of J95 hinge to prevent accidental release.

Item Code	Item Name	Use With	Material	Weight	Finish/Color	Carton
160-032-763	J95SC-25GR	J95-(C)24/25	ABS	3 g	Gray	500 pcs
160-034-673	J95SC-25NI	J95-(C)24/25	ABS	3 g	Nickel	500 pcs
160-032-764	J95SC-16GR	J95-(C)24/16	ABS	3 g	Gray	500 pcs
160-034-674	J95SC-16NI	J95-(C)24/16	ABS	3 g	Nickel	500 pcs
160-032-765	J95SC-0GR	J95-(C)24/0	ABS	3 g	Gray	500 pcs
160-034-675	J95SC-0NI	J95-(C)24/0	ABS	3 g	Nickel	500 pcs

COVER FOR MOUNTING PLATE

J95ZC



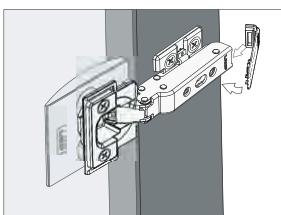
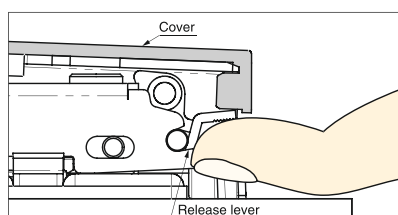
J95ZC-GR



J95ZC-NI

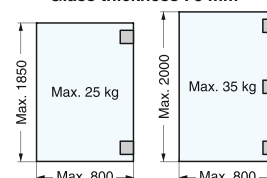


Item Code	Item Name	Use With	Material	Weight	Carton
160-032-766	J95ZC-GR	J95-P6T	ABS	9 g	500 pcs
160-034-743	J95ZC-NI	J95-P6T	ABS	9 g	500 pcs

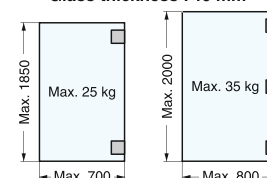


Door Dimensions and Number of Hinges

Glass thickness : 8 mm



Glass thickness : 10 mm



3-WAY ADJUSTABLE CONCEALED HINGE



HES3D-90



Features

- Thin profile allows for shallow mortise and makes installation easier
- Jig (sold separately) makes installation easy
- Vertical, horizontal and depth adjustment possible post-installation (3way)
- Can be split into two parts (one for the frame and one for the flap) making installation easy
- Custom colors available on request. Please contact us for details.
- Minimum door thickness: 23mm
- Max door width: 600mm
- Max door height: 1500mm (Can be used on taller doors if weight is within specifications)

Parts Included

- Countersunk head screw 4x20 (4pcs./hinge)
- Hexagonal spanner x 2

Item Code	Item Name	Colour	Door Width	Door Height	Door Thickness	Door Weight		Opening Angle	Weight	Box	Carton
170-029-221	HES3D-90DC	Silver	Max. 600	Max. 1500	Min. 23	Max. 12 kg/2 pcs	Max. 16 kg/3 pcs	180°	198 g	2 pcs	48 pcs
170-029-222	HES3D-90DN	Champagne Gold	Max. 600	Max. 1500	Min. 23	Max. 12 kg/2 pcs	Max. 16 kg/3 pcs	180°	198 g	2 pcs	48 pcs
170-033-588	HES3D-90BL	Black	Max. 600	Max. 1500	Min. 23	Max. 12 kg/2 pcs	Max. 16 kg/3 pcs	180°	198 g	2 pcs	48 pcs

3-WAY ADJUSTABLE CONCEALED HINGE



HES3D-70



Features

- Small HES series can be applied with Min. door thickness of 19 mm.
- Small bore depth, easy to cut out the door and frame.
- 3-way adjustment function allows vertical, horizontal, and depth adjustment after hinge installed.
- Hinge can be split into the door side and the frame side.

Remarks

- Can not be used with LAPCON DOOR DAMPER LDD or LAPCON DOOR CLOSER LDC-N2.
- Use below opening angle 180°.

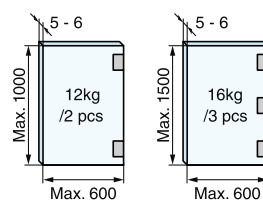
Parts Included

- Countersunk head tapping screw 4 × 20 (4 pcs/hinge) SUS
- Hex key 2

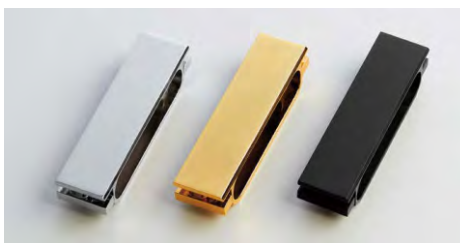
GLASS DOOR BRACKET



HES3D-G90BKT



Door Dimensions and Number of Hinges



Features

- Glass door bracket for HES3D-90 series
- Screw covers match the bracket with the finish.

Parts Included

- Hexagon socket countersunk head screw M5 x 12
- Countersunk head screw M4 x 12
- Screw covers
- Hex key size 3



CAD	Item Code	Item Name	Colour	Weight (g)	Box (pcs)	Carton (pcs)
2030	170-035-802	HES3D-G90BKT-CR	Silver	245	2	24
2030	170-035-803	HES3D-G90BKT-GP	Gold	245	2	24
2030	170-035-804	HES3D-G90BKT-BL	Black	245	2	24

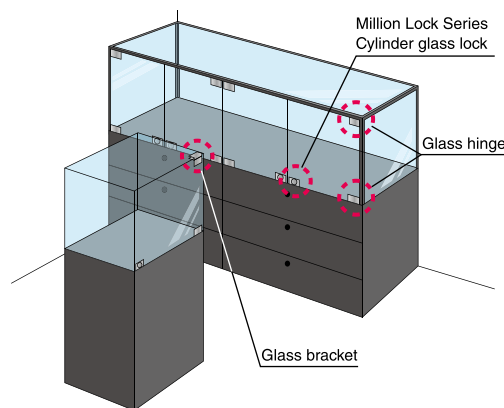
The GS-G Series

Glass Showcase Fittings

Exquisitely coordinated brackets, hinges, and locks



Total Design Coordination



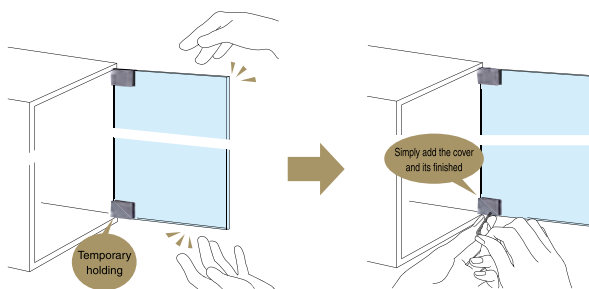
Total Lock Function

A single key can be used on multiple locks

The Million Lock Series enables you to operate different cabinets with the same key.
(You need to order keys of the Million Lock Series which have the same number)

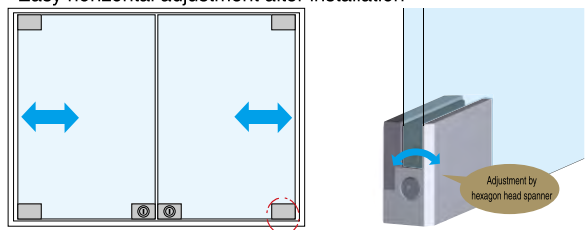
Outstanding Easy Installation

- Temporary holding feature allows the door to be installed easily by one person.

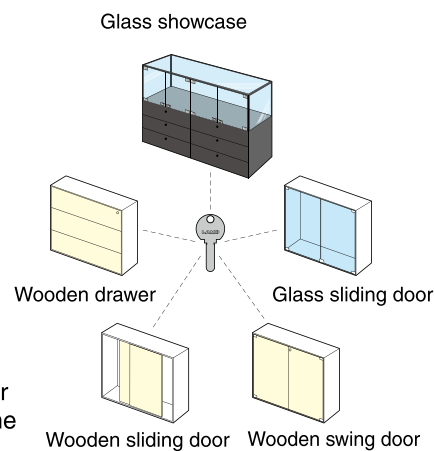


The hinges and brackets can temporarily hold the glass door after they are mounted. This function makes it possible for a single person to install it easily.

- Easy horizontal adjustment after installation



You can adjust the position of the glass door horizontally after installation by simply turning the screw.



GLASS HINGE (INSET)



GS-GH5



Including 2 pcs of axes and inserts

Features

- For inset glass doors
- Can be used together with glass bracket GS-GB5 and glass door lock GSGL5 for a total design of your showcase.
- Temporary holding feature allows the door to be installed easily by one person.
- Sideways adjustment (± 2.5 mm) possible after installation of the door.

Remarks

- Please refer to glass weight as the main reference when installing glass door.
- Please use different gasket supplied with item for 5 mm thickness glass door.
- Film for glass door is recommended for safe usage.
- Please prepare a door stop separately.

Parts included

- Gaskets • Spanner Hex.2.5

CAD	Item CD	Item Name	Finish/Colour	Door Width	Door Height	Glass Thickness	Door Weight N/set	Door Weight kgf/set	Box (sets)	Carton (sets)
2030	170-037-123	GS-GH5-CR	Chrome	Max. 600 mm	Max. 900 mm	5, 6 mm	49	8	1	24
2030	170-037-124	GS-GH5-GP	Gold (24K) Plated						1	24
2030	170-042-197	GS-GH5-BL	Black						1	24

No.	Part Name	Material	Finish/Colour		
			CR	GP	BL
①	Body	Zinc Alloy (ZDC)	Chrome	Gold (24K) Plated	Black
②	Cover Plate				
③	Gasket	Chloroprene Rubber (CR)			Black
④	Axis	Stainless Steel			Plain
⑤	Plastic Washer	Polyamide (PA)			Black
⑥	Metal Plate	Stainless Steel (SUS304)			Plain
⑦	Insert	Zinc Alloy (ZDC)			-

GLASS BRACKET



GS-GB5



Features

- For use with glass hinge GS-GH5 for installation on cabinets with a glass top.
- Can be used together with glass hinge GS-GH5 and lock GS-GL5 for a complete unified design for your showcase.

Remarks

- Film for glass door is recommended for safe usage.
- Please prepare a door stop separately.

CAD	Item Code	Item Name	Type	Finish	Glass Thickness	Box (pcs)	Carton (pcs)	No.	Part Name	Material	Finish/Colour		
-	170-037-125	GS-GB5-R-CR	Right Side	Chrome	8 mm	1	24	①	Body	Zinc Alloy (ZDC)	Chrome	Gold (24K) Plated	Black
-	170-037-126	GS-GB5-L-CR	Left Side	Chrome		1	24	②	Plate	Stainless Steel (SUS430)			
-	170-037-127	GS-GB5-R-GP	Right Side	Gold (24K)		1	24	③	Washer	Chloroprene Rubber (CR)		Black	
-	170-037-128	GS-GB5-L-GP	Left Side	Plated		1	24	④	Axis	Stainless Steel		Plain	
-	170-042-198	GS-GB5-R-BL	Right Side	Black		1	24	⑤	Tube	Polyvinyl Chloride (PVC)		Clear	
-	170-042-207	GS-GB5-L-BL	Left Side	Black		1	24						

GLASS HINGE (INSET)



GS-GH20



Features

- For inset glass doors
- Can be used together with glass bracket GS-GB20 and lock GS-GL20 for a total design of your showcase.
- Temporary holding feature allows the door to be installed easily by one person.
- Sideways adjustment (± 2.5 mm) possible after installation of the door.

Remarks

- Glass door weight is preferred to door size.
- Please use different gaskets supplied with item for 6 mm thickness glass door.
- Film on glass door is recommended for safe usage.
- Prepare door stopper separately.

Parts supplied with set

- Gasket (For 6 mm thickness glass door) • Spanner Hex.3

CAD	Item Code	Item Name	Finish	Door Width (mm)	Door Height (mm)	Glass Thickness (mm)	Door Weight N/set	Door Weight kgf/set	No.	Part Name	Material	Finish/Colour
2030	170-041-445	GS-GH20-CR	Chrome	Max. 700	Max. 1,600	6, 8	196	20	①	Body	Zinc Alloy (ZDC)	Chrome, Gold (24K) Plated, Black
2030	170-041-446	GS-GH20-GP	Gold (24K) Plated						②	Back Plate		
2030	170-041-447	GS-GH20-BL	Black						③	Gasket	Chloroprene Rubber (CR)	Black
									④	Axis	Stainless Steel	Plain
									⑤	Insert	Zinc Alloy (ZDC)	-

GLASS BRACKET



GS-GB20



Features

- For use with glass hinge GS-GH20 in case of glass top cabinet.
- Can be used together with glass hinge GS-GH20 and lock GS-GL20 for a total design of your showcase.

Remarks

- For use with glass hinge GS-GH20 for installation on cabinets with a glass top.
- Can be used together with glass hinge GS-GH20 and lock GS-GL20 for a complete unified design for your showcase.

Parts supplied with set

- Gasket (For 8 mm thickness glass door)

CAD	Item Code	Item Name	Type	Finish	Glass Thickness (mm)
2030	170-041-448	GS-GB20-R-CR	Right Side	Chrome	8, 10
2030	170-041-449	GS-GB20-L-CR	Left Side	Chrome	
2030	170-041-450	GS-GB20-R-GP	Right Side	Gold (24K) Plated	
2030	170-041-451	GS-GB20-L-GP	Left Side	Gold (24K) Plated	
2030	170-041-452	GS-GB20-R-BL	Right Side	Black	Black
2030	170-041-453	GS-GB20-L-BL	Left Side	Black	

No.	Part Name	Material	Finish/Colour
①	Body	Zinc Alloy (ZDC)	Chrome, Gold (24K) Plated, Black
②	Plate	Stainless Steel (SUS430)	
③	Gasket	Chloroprene Rubber (CR)	Black
④	Axis	Stainless Steel	Plain

GLASS HINGE

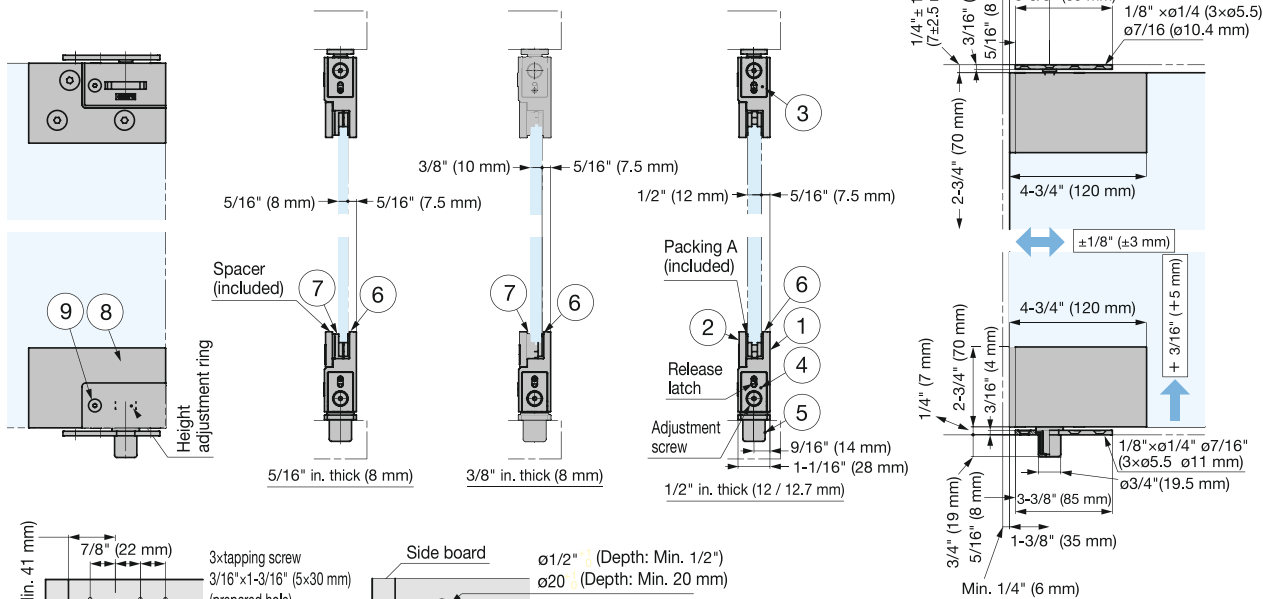
Chrome (CR)

Black (BL)



Gold Plated (GP)

- Designed for large inset glass showcases, sold in sets of 2.
- Recommended for use with the GS-GL50 lock for design coordination.
- Doors can be temporary held in frames before fixing screws for easy installation.
- The door position can be adjusted by ± 3 mm right and left post installation. (Horizontal adjustment screw).
- The gap below the door can be adjusted from 7 up to 12 mm post installation. (Height adjustment ring)
- Prioritize the door weight when determining the glass size.
- Shatter proof films are recommended to be used on glass doors for safety.



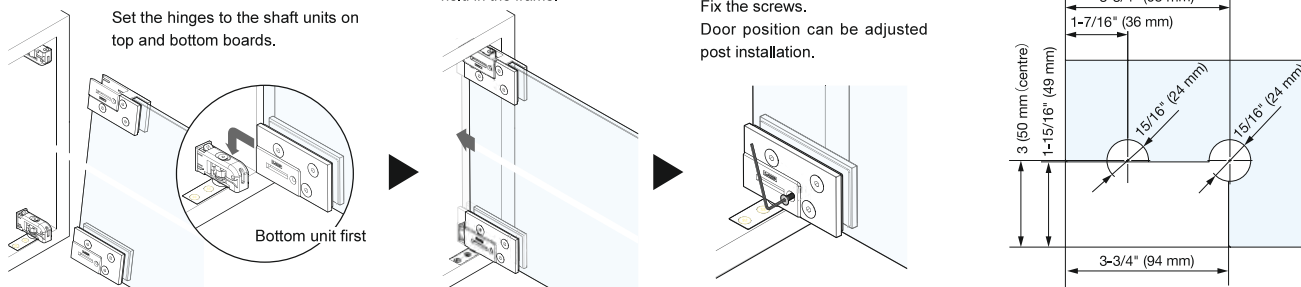
No.	Part Name	Material	Finish		
			CR	GP	BL
①	Body (front)	Zinc Alloy	Chrome Plated	Gold Plated (24K)	Matte Black
②	Body (back)				
③	Upper Shaft				
④	Bottom Shaft Unit				
⑤	Bottom Mounting Plate				
⑥	Packing A (t: 1.5)	Chloroprene	Black		
⑦	Packing B (t: 3.5)	Rubber (CR)			
⑧	Hex socket bolt M8×16	Steel	Chrome	Gold Plated (24K)	Matte Black
⑨	Hex socket bolt M5×10				

Easy Installation

Set the hinges to the shaft units on top and bottom boards.

The door can be temporarily held in the frame.

Fix the screws.
Door position can be adjusted
post installation.



Item Name	Finish	Available Glass Size			Load Capacity	Finish
		Width	Height	Glass Thickness		
GS-GH50-CR	Chrome	35-7/16" (Max. 900 mm)	98-7/16" (Max. 2500 mm)	5/16", 3/8", 15/32", 1/2" (8, 10, 12, 12.7 mm)	110.23 lbs/2 pcs (50 kgf/2 pcs)	Chrome
GS-GH50-GP	Gold Plated (24K)					Gold Plated (24K)
GS-GH50-BL	Matte Black					Matte Black



GLASS SHOWCASE HARDWARE SERIES

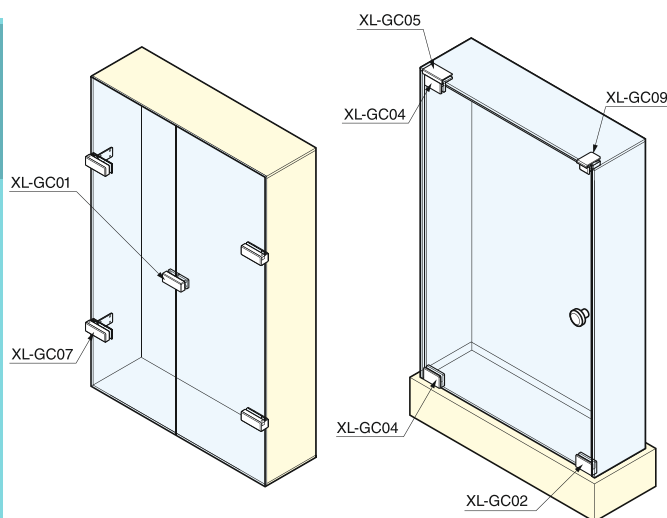
GLASS SHOWCASE HARDWARE SERIES DIGEST

XL-GC

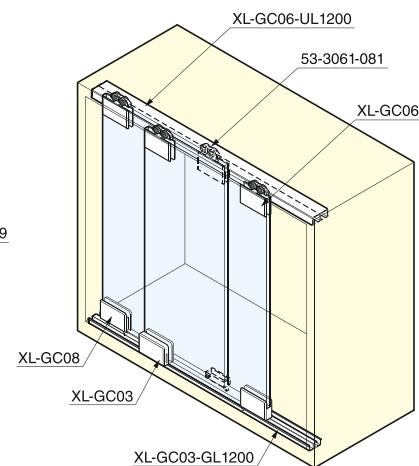
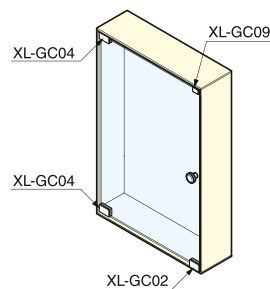
Double Door

Swing Door

Sliding Door



Can be installed on wooden cabinet.



Locks

Part Name	Item Name	
For Double Doors	XL-GC01-CR	
For Swing Doors	XL-GC02-CR	
For Sliding Doors	XL-GC03-CR	

Hinges

Part Name	Item Name	
Inset Type	XL-GC04-CR	
Overlay Type	XL-GC07-CR	
Glass Bracket	XL-GC05-CR	

Sliding Door Hardware

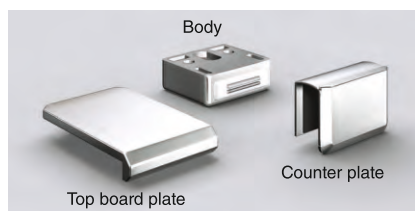
Part Name	Item Name	
Upper Bracket	XL-GC06-CR	
Bottom Guide Bracket	XL-GC08-CR	

Catch

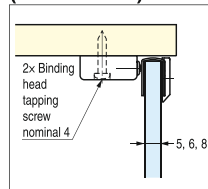
Part Name	Item Name	
Magnetic Catch	XL-GC09-CR	

MAGNETIC CATCH

XL-GC09-CR

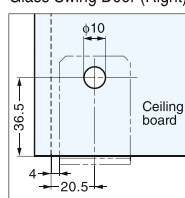


Application (Wood Panel)

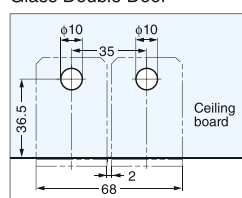


Cut Out Dimensions

Glass Swing Door (Right)



Glass Double Door

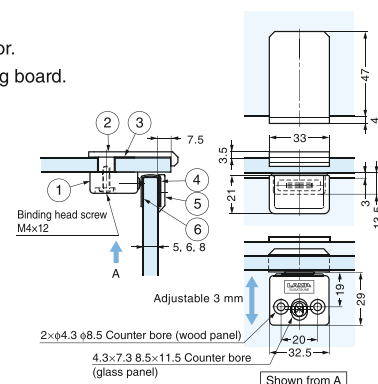


Features

- Magnetic catch for cabinet door.
- Both for glass and wood ceiling board.
- Total cabinet design available with XL-GC01 (P.337), XL-GC02 (P.337) and XL-GC01-CR (P.337)
- Recommended to use with XL-G01-CR, XL-GC02, handles or knobs.

Screw Included

Binding head screw M4 × 12



No.	Part Name	Material	Finish/Colour
①	Body	Zinc Alloy (ZDC)	Chrome
②	Top Board Plate	Zinc Alloy (ZDC)	Chrome
③	Spacer	Rubber	Black
④	Strike	Steel	Chrome
⑤	Counter Plate	Zinc Alloy (ZDC)	Chrome
⑥	Gasket	Foam Rubber	Black

Item Code	Item Name	Glass Thickness	Magnetic Force	Weight	Box	Carton
140-017-556	XL-GC09-CR	5, 6, 8	14.7 N 1.5 kgf	110 g	1 pc	24 pcs

CABINET GLASS DOOR SERIES DIGEST



Item Name	Inset Glass Door Hinge
Item Code	GH-450
Load Capacity N (kgf)	15 Kg/ 2 Pcs
Material	Brass
Finish/Colour	Satin, Nickle, Chrome, Gold



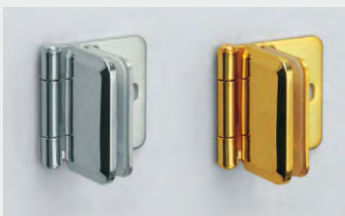
Item Name	Inset Glass Door Hinge
Item Code	GH-450G
Load Capacity N (kgf)	15 Kg/ 2 Pcs
Material	Brass
Finish/Colour	Satin, Nickle, Chrome, Gold



Item Name	Half Overlay Glass Door Hinge (w/ Catch)
Item Code	GH-456C
Load Capacity N (kgf)	15 Kg/ 2 Pcs
Material	Brass
Finish/Colour	Satin, Nickle, Chrome, Gold



Item Name	Half Overlay Glass Door Hinge (w/o Catch)
Item Code	GH-456N
Load Capacity N (kgf)	15 Kg/ 2 Pcs
Material	Brass
Finish/Colour	Satin, Nickle, Chrome, Gold



Item Name	Inset Glass Door Hinge
Item Code	XL-GH03-48-0
Load Capacity N (kgf)	12Kg/ 2 Pcs
Material	SS 304
Finish/Colour	Mirror, Gold Clear



Item Name	Half Overlay Glass Door Hinge
Item Code	XL-GH03-48-8
Load Capacity N (kgf)	12Kg/ 2 Pcs
Material	SS 304
Finish/Colour	Mirror, Gold Clear



Item Name	Inset Glass Door Lift-off Hinge
Item Code	GH36-NCR
Load Capacity N (kgf)	4Kg/ 2 Pcs
Material	Steel, Brass
Finish/Colour	Chrome



Item Name	Half Overlay Glass Door Hinge (w/ Catch)
Item Code	GHC34-8
Load Capacity N (kgf)	4Kg/ 2 Pcs
Material	SS304
Finish/Colour	Gold Clear, Black, Chrome, Polyacetal



Item Name	Inset Glass Door Hinge
Item Code	GH34-0SS
Load Capacity N (kgf)	12Kg/ 2 Pcs
Material	SUS 304
Finish/Colour	Plain Anodized



Item Name	Half Overlay Glass Door Hinge
Item Code	GH34-8SS
Load Capacity N (kgf)	12Kg/ 2 Pcs
Material	SUS 304
Finish/Colour	Plain Anodized



Item Name	Inset Glass Door Hinge
Item Code	GH34-0
Load Capacity N (kgf)	12Kg/ 2 Pcs
Material	Steel
Finish/Colour	Chrome, Paint Black



Item Name	Half Overlay Glass Door Hinge
Item Code	GH34-8
Load Capacity N (kgf)	12Kg/ 2 Pcs
Material	Steel
Finish/Colour	Chrome, Paint Black

CABINET GLASS DOOR SERIES DIGEST

HINGE

FURNITURE GLASS DOOR

SHELF ORGANIZERS DIGEST



Item Name	Inset Glass Door Hinge
Item Code	GH34-0CR-K
Load Capacity N (kgf)	12Kg/ 2 Pcs
Material	Steel
Finish/Colour	Chrome



Item Name	Half Overlay Glass Door Hinge
Item Code	GH34-8CR-K
Load Capacity N (kgf)	12Kg/ 2 Pcs
Material	Steel
Finish/Colour	Chrome



Item Name	Half Overlay Glass Door Hinge (w/ Catch)
Item Code	GHC34-8CR-K
Load Capacity N (kgf)	12Kg/ 2 Pcs
Material	Steel
Finish/Colour	Chrome



Item Name	Glass Door Hinge
Item Code	XL-GH01-600
Load Capacity N (kgf)	12Kg/ 2 Pcs
Material	Stainless Steel (SCS13)
Finish/Colour	Mirror



Item Name	Glass Door Hinge
Item Code	XL-GH01-250
Load Capacity N (kgf)	4.8 kg/2 pcs
Material	Stainless Steel (SCS13)
Finish/Colour	Mirror



Item Name	Half Overlay Glass Door Hinge (w/ Catch)
Item Code	GHC34-8CR-K
Load Capacity N (kgf)	4 kg/2 pcs
Material	Brass
Finish/Colour	Satin Nickel



Item Name	Inset Glass Door Pivot Hinge
Item Code	GH-PSL40
Load Capacity N (kgf)	20 kg/ set
Material	Brass
Finish/Colour	Chorme



Item Name	Inset Glass Door Pivot Hinge
Item Code	GPH
Load Capacity N (kgf)	4 kg/ Pair
Material	Steel
Finish/Colour	Painted Black, Black



Item Name	Socket For GPH40 Pivot Hinge
Item Code	PHB4
Load Capacity N (kgf)	-
Material	Polyamide (PA)
Finish/Colour	Black



Item Name	Inset Pivot Hinge
Item Code	PV-30
Load Capacity N (kgf)	2.6 kg/set
Material	Polyamide (PA), Steel (Pin)
Finish/Colour	White/Nickel

FRAMELESS GLASS DOOR HINGE - WALL TO GLASS



FRAMELESS GLASS DOOR HINGE - GLASS TO GLASS



STAINLESS STEEL GRAVITY HINGE FOR GLASS DOOR



XL-GH02AF-120

Passed 100,000 cycles of in-house testing



XL-GH02AF-120R



XL-GH02AF-120L (Reverse side view)

Features

- Can even be used for areas such as shower booths where water is used.
- Use a glass edge protector suitable for the installation area (sold separately).
- This product is the same shape as the XL-GH02F-120 Hinge for Stainless Steel Glass Door but does not automatically close.

Left-hand opening shown. The right-handed opening is symmetrical.

Sold in sets (2 pcs).

Item Code	Item Name	Type	Material	Finish	Door Width (mm) /1Set	Door Height (mm) /1Set	Glass Thickness (mm)	Load Capacity N/1Set	Load Capacity kgf/1Set
170-032-186	XL-GH02AF-120R	Right Side	Stainless Steel (SUS304)	Mirror	Max. 750	Max. 2000	10 - 12	441	45
170-032-185	XL-GH02AF-120L	Left Side							

STAINLESS STEEL GRAVITY HINGE FOR GLASS DOOR



GH-G02



GH-G02-L



Reverse side

Features

- Can even be used for areas such as shower booths where water is used.
- The door closes automatically between 0° and about 70°.
- It opens automatically between about 70° and 160°. The door can be held open by placing a door stopper in this area.
- A maximum of about 3 mm rise occurs when open 70°.
- Use a glass edge protector suitable for the installation area (sold separately).
- To unify the finish of the screws, use our polished screws (sold separately, size M5 x 15 countersunk hex socket bolts, size M5 x 50 cross-recessed tapping screws) instead of the provided screws.

Left-hand opening shown. The right-handed opening is symmetrical.

Item Code	Item Name	Type	Material	Finish	Door Width (mm)	Door Height (mm)	Glass Thickness (mm)	Load Capacity N/2 pcs	Load Capacity kgf/2 pcs	Opening Angle
170-037-581	GH-G02-R	Right Side	Stainless Steel (SCS13)	Mirror	Max. 800	Max. 2000	8 - 12	441	45	160°
170-037-582	GH-G02-L	Left Side								

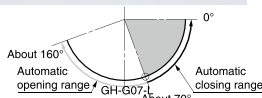
STAINLESS STEEL GRAVITY HINGE FOR GLASS DOOR



GH-G07



Reverse side



Features

- Can even be used for areas such as shower booths where water is used.
- The door closes automatically between 0° and about 70°.
- It opens automatically between about 70° and 160°. The door can be held open by placing a door stopper in this area.
- A maximum of about 3 mm rise occurs when open 70°.
- Use a glass edge protector suitable for the installation area (sold separately).
- To unify the finish of the screws, use our polished screws (sold separately, size M5 x 15 countersunk hex socket bolts, size M5 x 50 cross-recessed tapping screws) instead of the provided screws.

Left-hand opening shown. The right-handed opening is symmetrical.

Item Code	Item Name	Type	Material	Finish	Door Width (mm)	Door Height (mm)	Glass Thickness (mm)	Load Capacity N/2 pcs	Load Capacity kgf/2 pcs	Opening Angle
170-037-583	GH-G07-R	Right Side	Stainless Steel (SCS13)	Mirror	Max. 800	Max. 2000	8 - 12	441	45	160°
170-037-584	GH-G07-L	Left Side								

THE J95 - A BIGGER STRONGER CONCEALED HINGE



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