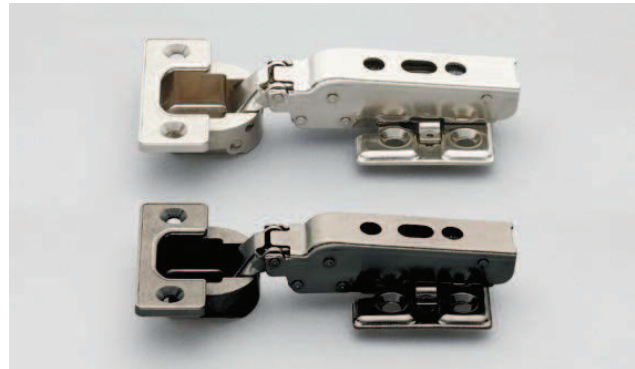


# HEAVY DUTY CONCEALED HINGE J95

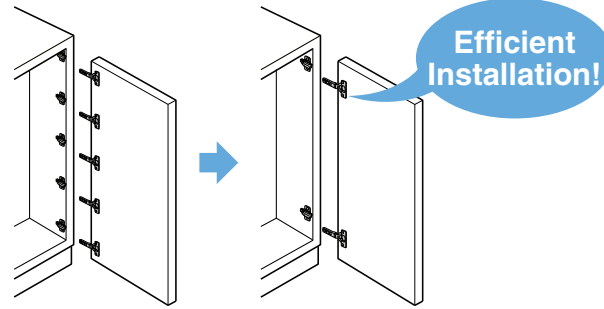
Max. Door Weight : **25 kg** with 2 pcs, **40 kg**\* with 3 pcs. ※35kg for glass doors

[Application Example] Chemical storage cabinets, etc.  
Operating temperature of J95: -10°C ~ 40°C



[Normal Concealed Hinges]  
5 pcs used

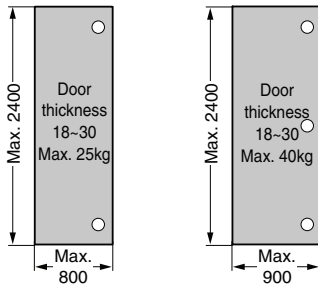
[J95]  
2 pcs used



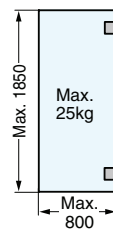
Less usage compared with normal concealed hinges, reducing construction and installation time and providing clean appearance.

### [Door Dimensions and Number of Hinges]

● In case of sheet metal door



● In case of glass door  
Glass thickness 8mm



Glass thickness 10 mm

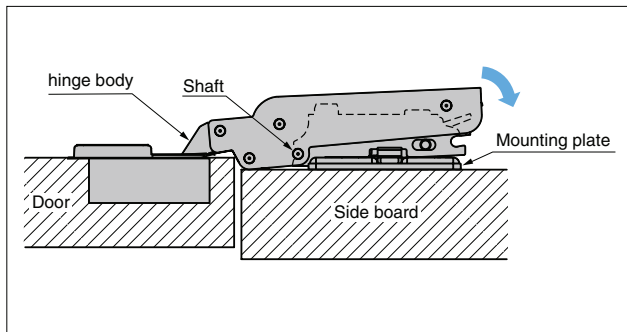


Install the upper and lower hinges within 200mm from the door end. Set equal installation pitch when using 3 pcs.

## Simple Installation and Detachment by One-Touch.

### [How to Install]

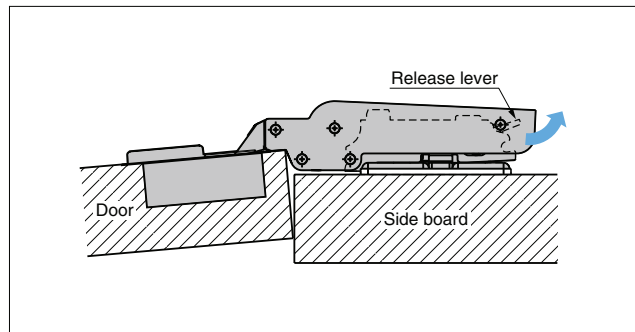
Align shaft of hinge body with front end of mounting plate, and press down back end of hinge body until it snaps into place.



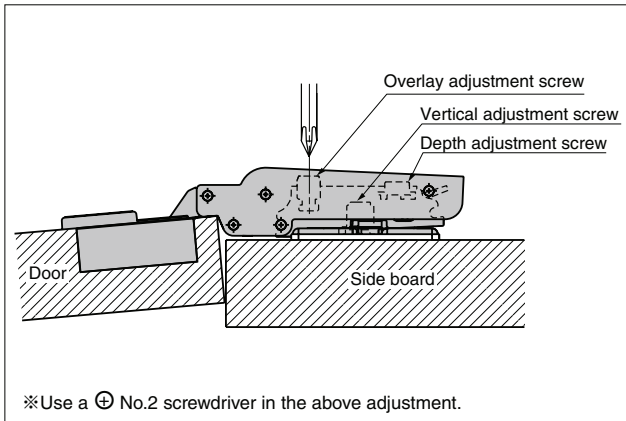
Check if hinge body is properly installed on mounting plate.

### [How to Detach]

Push up release level in direction, and remove hinge body from mounting plate.



## Easy and Fast Adjustment



With the eccentric cam mechanism, the door can be freely adjusted by only turning depth and vertical adjustment screws. Door position is easy to adjust without the need of loosening the adjustment screw, positioning and fixing. Overlay and tilting are adjustable by turning overlay adjustment screw.

### [Remarks]

Be sure to use a manual screwdriver to fine tune adjustment screws within the adjustment range. Do not use pneumatic, electric or rechargeable screwdriver. Otherwise, the adjustment range may be exceeded and damage and malfunction of adjusting mechanism may occur.

TORQUE HINGES

DAMPER HINGES

LIFT ASSIST HINGES

DETENT HINGES

CONCEALED HINGES

BUTT HINGES

PIANO HINGES

STEP HINGES

LIFT-OFF HINGES

PIVOT HINGES

SPRING HINGES

CLEAN ROOM HINGES

HINGES FOR ALUMINIUM FRAME

DROP HINGES

GLASS DOOR HINGES

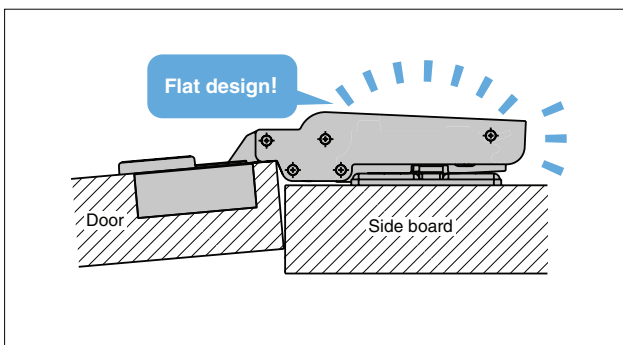
SPECIAL HINGES

### [Adjustment Directions, Amount and Method]

<p>Depth adjustment</p>	<p>+1.5 mm, -2.5 mm</p> <p>Turning the depth adjustment screw counterclockwise  to move the door forwards and clockwise  to move the door backwards.</p>
<p>Vertical adjustment</p>	<p>±3 mm</p> <p>In case of right-hanging, turning the vertical adjustment screw counterclockwise  to move the door upwards and clockwise  to move the door downwards. ※In case of left-hanging, door moves in the opposite direction.</p>

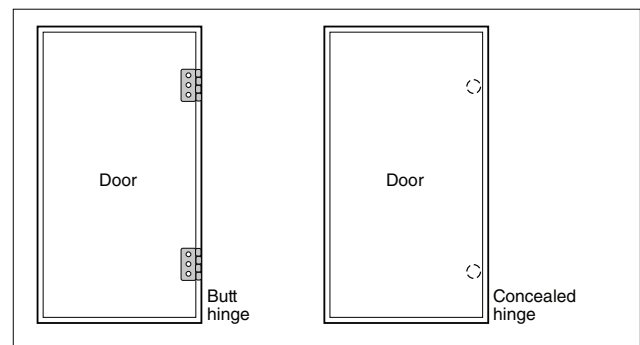
<p>Overlay adjustment (Horizontal adjustment)</p>	<p>+0 mm, -4 mm</p> <p>Turning the overlay adjustment screw clockwise  to decrease and counterclockwise  to increase the overlay.</p>
<p>Tilting Adjustment</p>	<p>—</p> <p>Turning the overlay adjustment screw counterclockwise or clockwise to adjust.</p>

## Flat Design



Flat design with no projections such as adjustment screws on the top of body. It is safe because the release level does not protrude from the back of body.

## Without Impairing Design



Since the hinge is not visible from outside when door is closed, it does not impair the design of cabinet.

### [Remarks]

- When using concealed hinge J95 for glass and metal door, applicable door size varies.
- Door weight has priority over door size.
- Set door centre of gravity at door centre.
- Maximise the hinge installation pitch. Set equal installation pitch when using 3 pcs. Besides, the warpage of door shall be considered.
- Door dimensions and number of hinges are for reference only. Please check in actual installation.
- Lubricate regularly during use.
- Watch your hands during handling before door installation.
- Do not repeatedly open and close with a single concealed hinge before installation. Otherwise, it may be damaged.
- Scattering prevention film is recommended for tempered glass.

Refer to : P.188

95° Opening

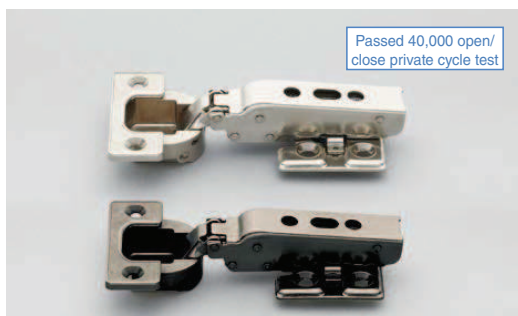
25mm Overlay

Overlay 21~25mm  
(When Bore Distance is 8 mm)

Cup Dia  $\phi 40$  Bore Depth 15mm  
Door Thickness 18~30mm/Glass Thickness 8, 10mm

Mounting Plate **1**  
J95-P6T

# HEAVY DUTY CONCEALED HINGE J95



RoHS	CAD	Item Code	Item Name	Type	Material	Finish	Weight (g)	Box (pcs)
		160-026-905	J95-24/25T	Without Catch	Body/Steel, Cup/Zinc Alloy (ZDC)	Nickel	134	100
		160-026-731	J95-C24/25T	With Catch		Nickel	146	100
		160-034-919	J95-24/25T BN	Without Catch		Black	134	100
		160-034-916	J95-C24/25T BN	With Catch		Nickel	146	100

A mounting plate (sold separately) is required for installation. Please order separately.

**[Sold Separately]**

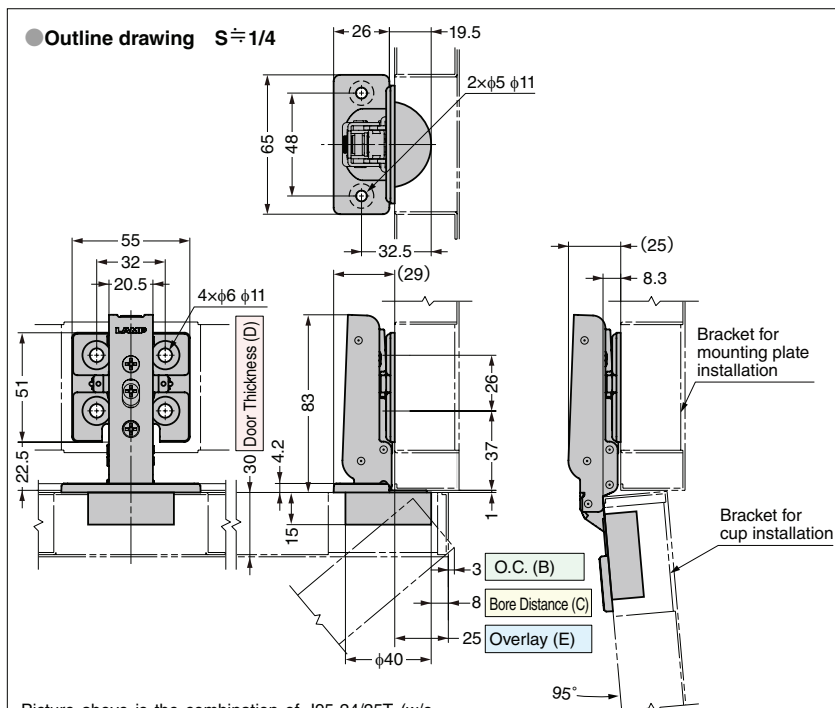
- Mounting plate J95-P6T **1**
- Face plate for glass door GH-J95FP **2**
- Safety cover J95SC-25GR **3**
- Cover for mounting plate J95ZC-GR **4**

**[Recommended Screws]**

- M5 countersunk head screw,  
M5 raised countersunk head screw

Picture above is the combination of concealed hinge and mounting plate (sold separately).

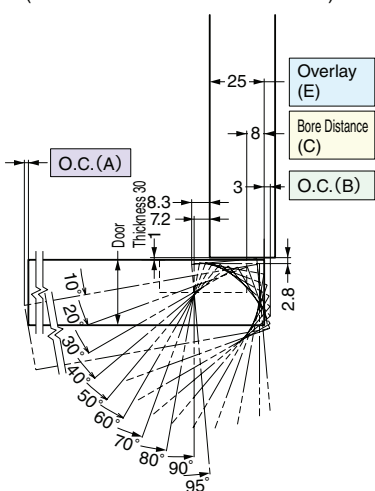
**In case of sheet metal door**



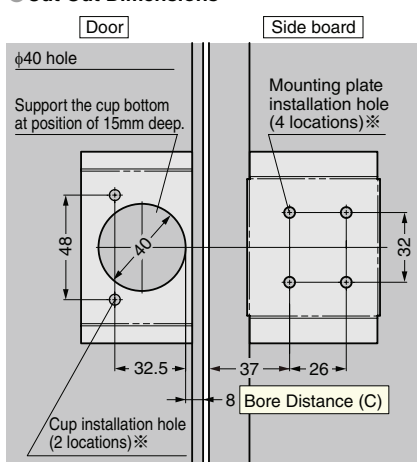
Picture above is the combination of J95-24/25T (w/o catch) or J95-C24/25T (w/catch) and mounting plate J95-P6T (sold separately).

**● Locus chart S ≒ 1/4**

(How to Use the Locus Chart **5**)



**● Cut Out Dimensions**



※Internal threads need to be made by welding nut or burring.

**[Bore Distance (C)]**

Table-1

Bore Distance (C)	3	4	5	6	7	8
Overlay (E)	20	21	22	23	24	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.

**[O.C.(B)]**

Table-2

Door Thickness (D)	Bore Distance (C)					
	3	4	5	6	7	8
18	0.3	0.3	0.3	0.3	0.3	0.3
20	0.5	0.5	0.5	0.5	0.5	0.5
22	0.8	0.8	0.8	0.7	0.7	0.7
24	1.1	1.1	1.1	1.1	1.1	1.0
26	1.7	1.6	1.6	1.5	1.5	1.5
28	3.2	2.8	2.5	2.2	2.1	2.0
30	5.0	4.5	4.0	3.6	3.3	3.0
32※	6.8	6.2	5.7	5.2	4.8	4.4
34※	8.6	8.0	7.5	6.9	6.5	6.0

※Please refer to the locus chart if door thickness is over 30 mm. (O.C. (B) can be made smaller by R chamfering (round chamfer) or C chamfering (chamfer plane) on the door)

**[O.C.(A)]**

Table-3

Door Thickness (D)	Door Width						
	300	400	500	600	700	800	900
30	0.5	0.3	0.3	0.2	0.2	0.2	0.2

**[Door Dimensions and Number of Hinges] **6****



Refer to **1** : P.197, **4** : P.199, **3** : P.198, **5** : P.201, **6** : P.188

TORQUE HINGES

DAMPER HINGES

LIFT ASSIST HINGES

DETENT HINGES

CONCEALED HINGES

BUTT HINGES

PIANO HINGES

STEP HINGES

LIFT-OFF HINGES

PIVOT HINGES

SPRING HINGES

CLEAN ROOM HINGES

HINGES FOR ALUMINIUM FRAME

DROP HINGES

GLASS DOOR HINGES

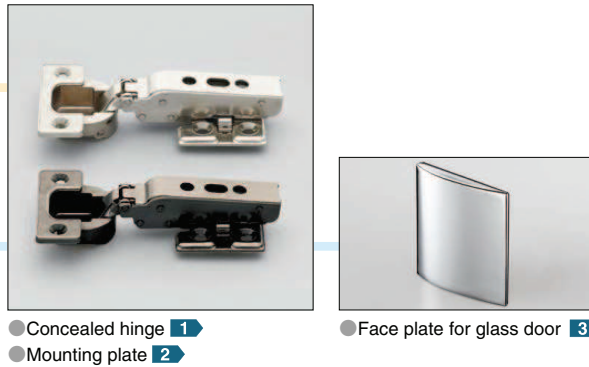
SPECIAL HINGES

[How to Select Products]

Necessary Parts

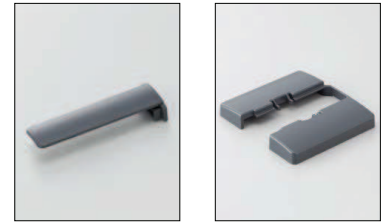
In case of sheet metal door

In case of glass door



- Concealed hinge 1
- Mounting plate 2
- Face plate for glass door 3

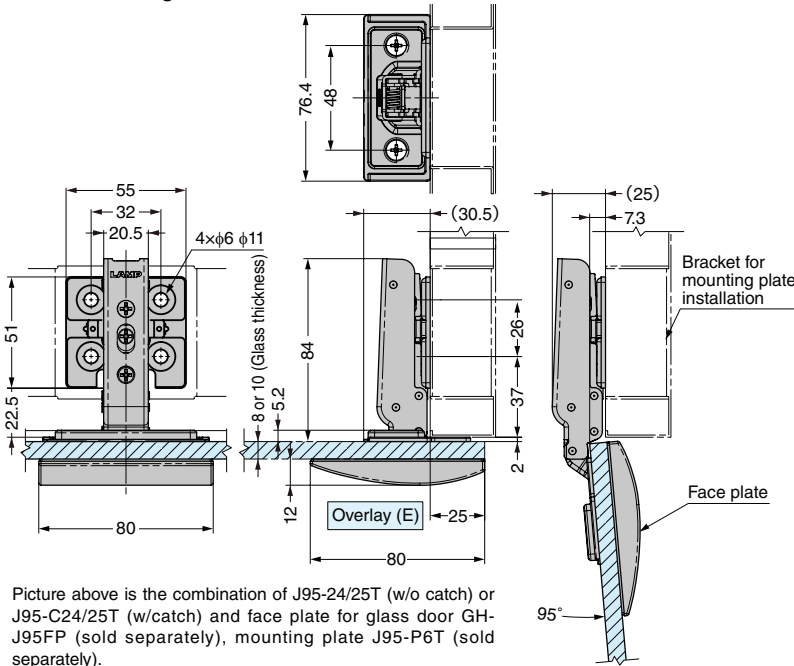
Optional Parts



- Safety cover J95SC-25GR 4
- Cover for mounting plate 5

In case of glass door

● Outline drawing S ≒ 1/4



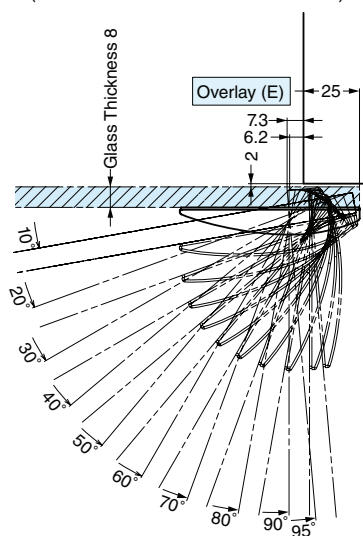
[Opening Clearance (O.C.)]

When using a concealed hinge, although door edge O.C.(A) and hinge side O.C.(B) are required, but for glass door, hinge side O.C.(B) is 0 (zero) because the door thickness (glass thickness) is much thinner than that of the wooden door. Besides, O.C.(A) is identical to Table-3 7.

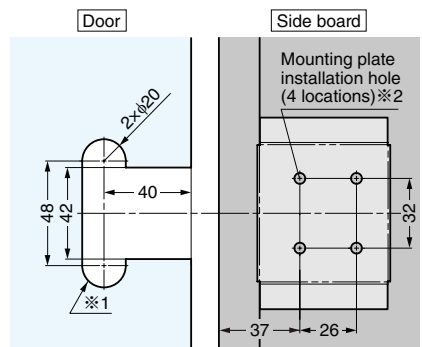
[Door Dimensions and Number of Hinges] 8

● Locus chart S ≒ 1/4

(How to Use the Locus Chart 6)



● Cut out dimensions



- ※1: Use tempered glass. Scattering prevention film is recommended.
- ※2: Internal threads need to be made by welding nut or burring.

Refer to 1, 7 : P.190, 2, 5 : P.197, 3 : P.199, 4 : P.198, 6 : P.201, 8 : P.188

95° Opening

16mm Overlay

Overlay 12~16mm  
(When Bore Distance is 8 mm)

Cup Dia  $\phi 40$  Bore Depth 15mm  
Door Thickness 18~30mm/Glass Thickness 8, 10mm

Mounting Plate **1**  
J95-P6T

# HEAVY DUTY CONCEALED HINGE J95



Picture above is the combination of concealed hinge and mounting plate (sold separately).

RoHS	CAD	Item Code	Item Name	Type	Material	Finish	Weight (g)	Box (pcs)
		160-033-658	J95-24/16T	Without Catch	Body/Steel, Cup/Zinc Alloy (ZDC)	Nickel	143	50
		160-033-657	J95-C24/16T	With Catch		Nickel	155	50
		160-034-920	J95-24-16T BN	Without Catch		Black	143	50
		160-034-917	J95-C24-16T BN	With Catch		Nickel	155	50

A mounting plate (sold separately) is required for installation. Please order separately.

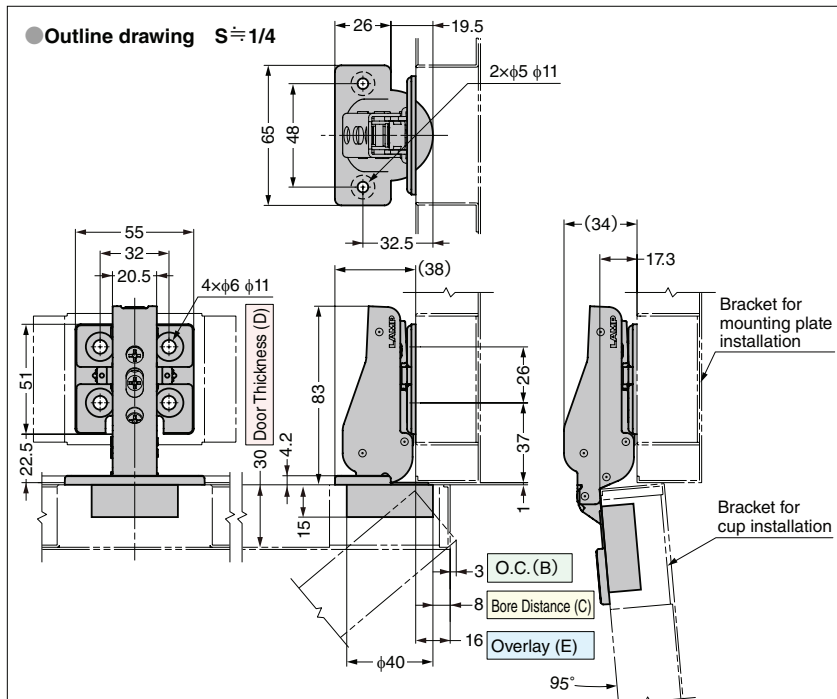
**[Sold Separately]**

- Mounting plate J95-P6T **1**
- Face plate for glass door GH-J95FP **2**
- Safety cover J95SC-16GR **3**
- Cover for mounting plate J95ZC-GR **4**

**[Recommended Screws]**

- M5 countersunk head screw,  
M5 raised countersunk head screw

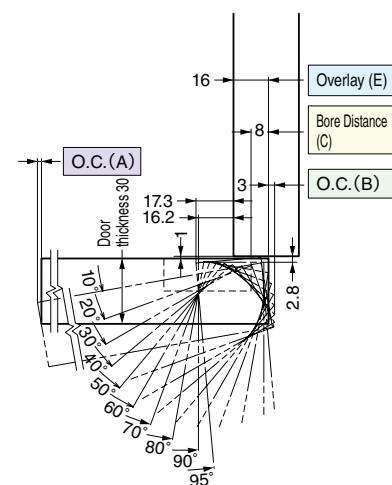
**In case of sheet metal door**



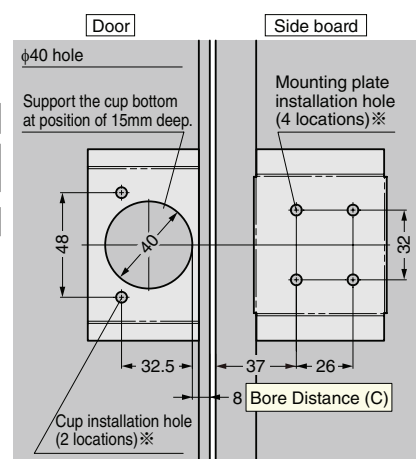
Picture above is the combination of J95-24/16T (w/o catch) or J95-C24/16T (w/catch) and mounting plate J95-P6T (sold separately).

**Locus chart S ≒ 1/4**

(How to Use the Locus Chart **5**)



**Cut out dimensions**



\* Internal threads need to be made by welding nut or burring.

**[Bore Distance (C)]**

Table-1

Bore Distance (C)	3	4	5	6	7	8
Overlay (E)	11	12	13	14	15	16

Overlay adjustment (Max. -4 mm) 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.

**[O.C. (B)]**

Table-2

Door Thickness (D)	Bore Distance (C)					
	3	4	5	6	7	8
18	0.3	0.3	0.3	0.3	0.3	0.3
20	0.5	0.5	0.5	0.5	0.5	0.5
22	0.8	0.8	0.8	0.7	0.7	0.7
24	1.1	1.1	1.1	1.1	1.1	1.0
26	1.7	1.6	1.6	1.5	1.5	1.5
28	3.2	2.8	2.5	2.2	2.1	2.0
30	5.0	4.5	4.0	3.6	3.3	3.0
32*	6.8	6.2	5.7	5.2	4.8	4.4
34*	8.6	8.0	7.5	6.9	6.5	6.0
O.C. (B)						

\*Please refer to the locus chart if door thickness is over 30 mm. (O.C. (B) can be made smaller by R chamfering (round chamfer) or C chamfering (chamfer plane) on the door)

**[O.C. (A)]**

Table-3

Door Thickness (D)	Door Width						
	300	400	500	600	700	800	900
30	0.5	0.3	0.3	0.2	0.2	0.2	0.2
O.C. (A)							

**[Door Dimensions and Number of Hinges] **6****



Refer to **1** : P.197, **4** : P.199, **3** : P.198, **5** : P.201, **6** : P.188

TORQUE HINGES

DAMPER HINGES

LIFT ASSIST HINGES

DETENT HINGES

CONCEALED HINGES

BUTT HINGES

PIANO HINGES

STEP HINGES

LIFT-OFF HINGES

PIVOT HINGES

SPRING HINGES

CLEAN ROOM HINGES

HINGES FOR ALUMINIUM FRAME

DROP HINGES

GLASS DOOR HINGES

SPECIAL HINGES

[How to Select Products]

Necessary Parts

In case of sheet metal door

In case of glass door



- Concealed hinge 1
- Mounting plate 2



- Face plate for glass door 3

Optional Parts



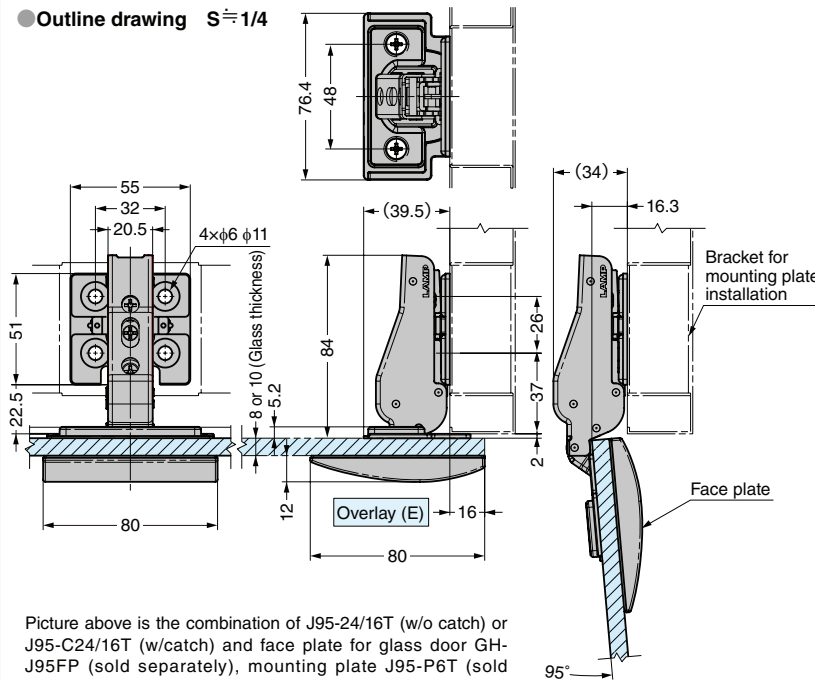
- Safety cover J95SC-16GR 4



- Cover for 5 mounting plate

In case of glass door

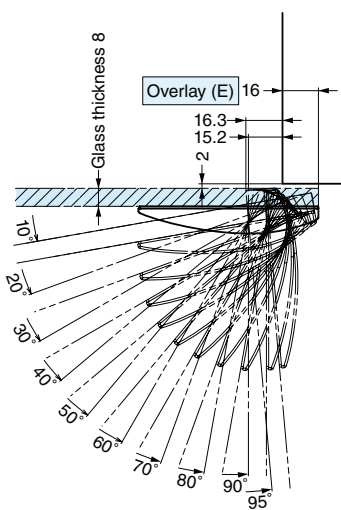
● Outline drawing S ≒ 1/4



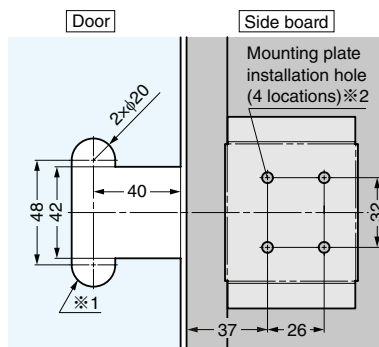
Picture above is the combination of J95-24/16T (w/o catch) or J95-C24/16T (w/catch) and face plate for glass door GH-J95FP (sold separately), mounting plate J95-P6T (sold separately).

● Locus chart S ≒ 1/4

(How to Use the Locus Chart 6)



● Cut out dimensions



- ※1: Use tempered glass. Scattering prevention film is recommended.
- ※2: Internal threads need to be made by welding nut or burring.

[Opening Clearance (O.C.)]

When using a concealed hinge, although door edge O.C.(A) and hinge side O.C.(B) are required, but for glass door, hinge side O.C.(B) is 0 (zero) because the door thickness (glass thickness) is much thinner than that of the wooden door. Besides, O.C.(A) is identical to Table-3 7.

[Door Dimensions and Number of Hinges] 8

Refer to 1 7 : P.192, 2 5 : P.197, 3 : P.199, 4 : P.198, 6 : P.201, 8 : P.188

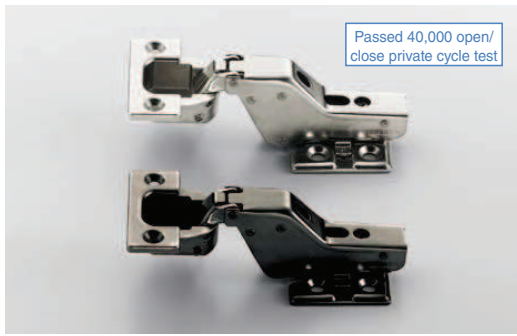
93° Opening

Inset

Cup Dia  $\phi 40$  Bore Depth 15mm  
Door Thickness 18-30mm/Glass Thickness 8, 10mm

Mounting Plate **1**  
J95-P6T

HEAVY DUTY CONCEALED HINGE J95



RoHS	CAD	Item Code	Item Name	Type	Material	Finish	Weight (g)	Box (pcs)
		160-033-660	J95-24/OT	Without Catch	Body/Steel, Cup/Zinc Alloy (ZDC)	Nickel	148	50
		160-033-659	J95-C24/OT	With Catch		Nickel	160	50
		160-034-921	J95-24-OT BN	Without Catch		Black	148	50
		160-034-918	J95-C24-OT BN	With Catch		Nickel	160	50

A mounting plate (sold separately) is required for installation. Please order separately.

[Sold Separately]

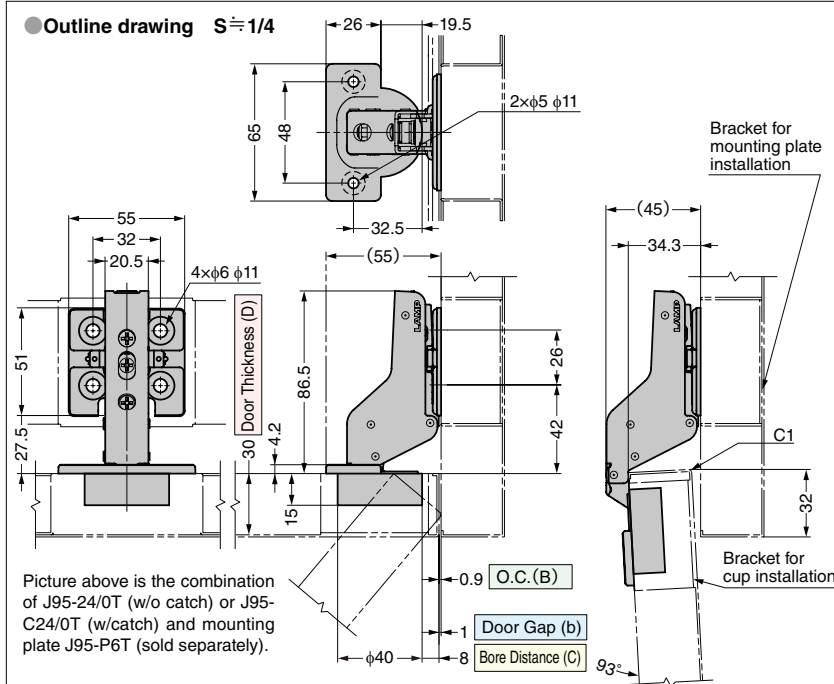
- Mounting plate J95-P6T **1**
- Face plate for glass door GH-J95FP **2**
- Safety cover J95SC-0GR **3**
- Cover for mounting plate J95ZC-GR **4**

[Recommended Screws]

- M5 countersunk head screw,  
M5 raised countersunk head screw

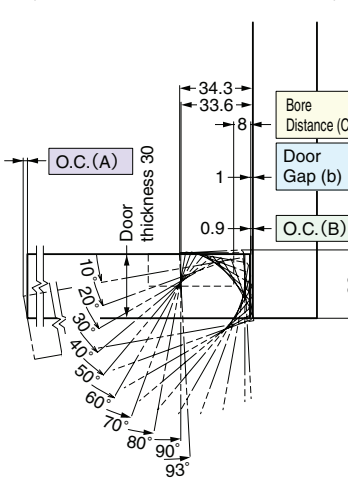
Picture above is the combination of concealed hinge and mounting plate (sold separately).

In case of sheet metal door

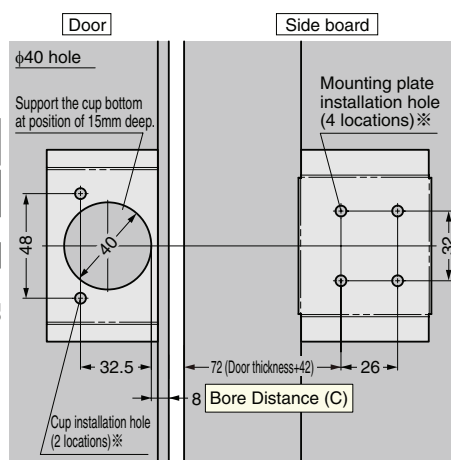


● Locus chart  $S \approx 1/4$

(How to Use the Locus Chart **5**)

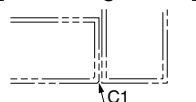


● Cut out dimensions



※ Internal threads need to be made by welding nut or burring.

[Chamfering of Door]



[Bore Distance (C)]

Table-1

Bore Distance (C)	3	4	5	6	7	8
Door Gap (b)	6	5	4	3	2	1

Door gap can be adjusted 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.

[O.C. (B)]

Table-2

Door Thickness (D)	Bore Distance (C)					
	3	4	5	6	7	8
18	0	0	0	0	0	0
20	0	0	0	0	0	0
22	0.1	0.1	0.1	0.1	0	0.1
24	0.1	0.1	0.1	0.1	0.1	0.1
26	0.3	0.3	0.3	0.3	0.3	0.3
28	1.7	1.1	0.6	0.5	0.5	0.5
30	3.5	2.9	2.3	1.8	1.0	0.9
32※	5.4	4.7	4.1	3.6	3.0	2.5
34※	7.3	6.6	6.0	5.4	4.8	4.3

※ Please refer to the locus chart if door thickness is over 30 mm. (O.C. (B) can be made smaller by R chamfering (round chamfer) or C chamfering (chamfer plane) on the door)

[O.C. (A)]

Table-3

Door Thickness (D)	Door Width						
	300	400	500	600	700	800	900
30	0.9	0.6	0.5	0.4	0.4	0.3	0.3

[Door Dimensions and Number of Hinges] **6**

Video Link



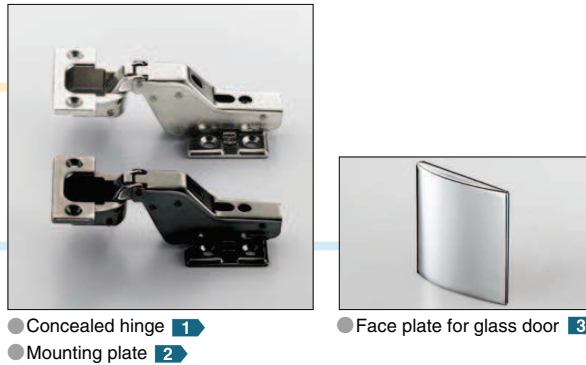
Refer to **1** : P.197, **2** : P.199, **3** : P.198, **5** : P.201, **6** : P.188

[How to Select Products]

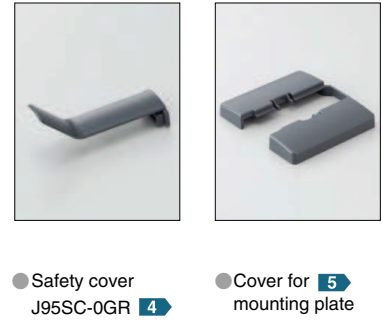
Necessary Parts

In case of sheet metal door

In case of glass door

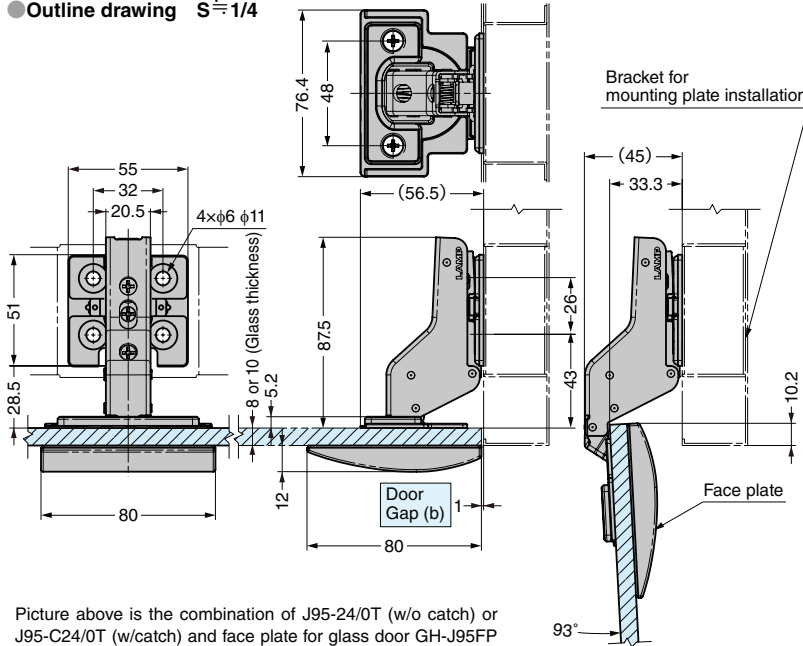


Optional Parts



In case of glass door

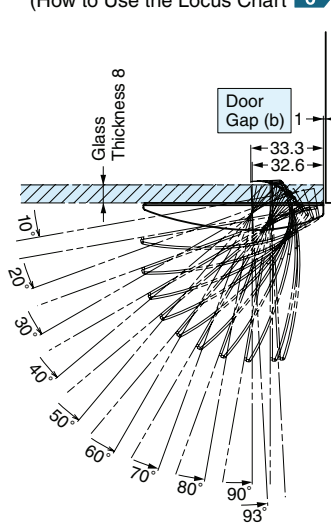
● Outline drawing S ≒ 1/4



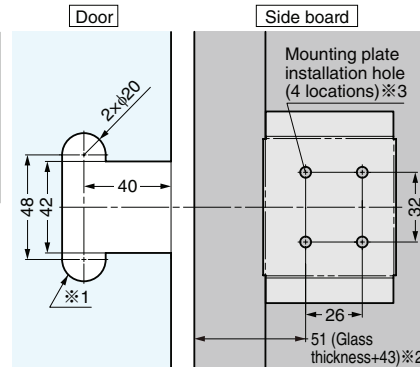
Picture above is the combination of J95-24/OT (w/o catch) or J95-C24/OT (w/catch) and face plate for glass door GH-J95FP (sold separately), mounting plate J95-P6T (sold separately).

● Locus chart S ≒ 1/4

(How to Use the Locus Chart 6)



● Cut out dimensions



- ※1: Use tempered glass.Scattering prevention film is recommended.
- ※2: The size is 53 when using 10mm thick glass door.
- ※3: Internal threads need to be made by welding nut or burring.

[Opening Clearance (O.C.)]

When using a concealed hinge, although door edge O.C.(A) and hinge side O.C.(B) are required, but for glass door, hinge side O.C.(B) is 0 (zero) because the door thickness (glass thickness) is much thinner than that of the wooden door.Besides, O.C.(A) is identical to Table-3 7 .

[Door Dimensions and Number of Hinges] 8

Refer to 1 7 : P.194, 2 5 : P.197, 3 : P.199, 4 : P.198, 6 : P.201, 8 : P.188

TORQUE HINGES

DAMPER HINGES

LIFT ASSIST HINGES

DETENT HINGES

CONCEALED HINGES

BUTT HINGES

PIANO HINGES

STEP HINGES

LIFT-OFF HINGES

PIVOT HINGES

SPRING HINGES

CLEAN ROOM HINGES

HINGES FOR ALUMINIUM FRAME

DROP HINGES

GLASS DOOR HINGES

SPECIAL HINGES