

HEAVY DUTY CONCEALED HINGE J95

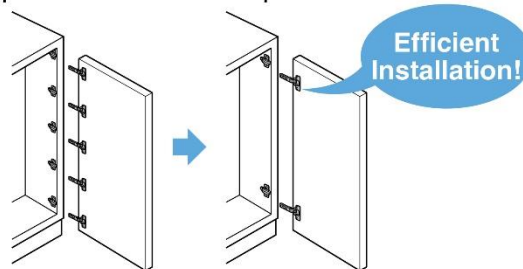
Max. Door Weight : **25 kg** with 2 pcs, **40 kg**※ with 3 pcs. ※35kg for glass doors

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



[Normal Concealed Hinges]
5 pcs used

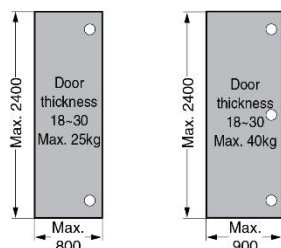
[J95]
2 pcs used



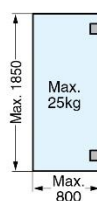
Less usage compared with normal concealed hinges, reducing construction and installation time and providing clean appearance.

[Door Dimensions and Number of Hinges]

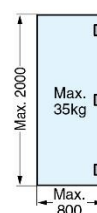
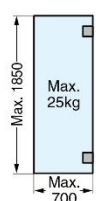
● In case of sheet metal door



● 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.

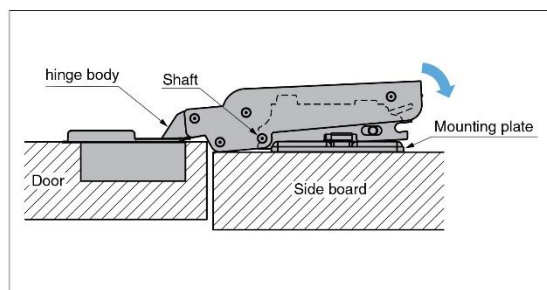
Simple Installation and Detachment by One-Touch.

[How to Install]

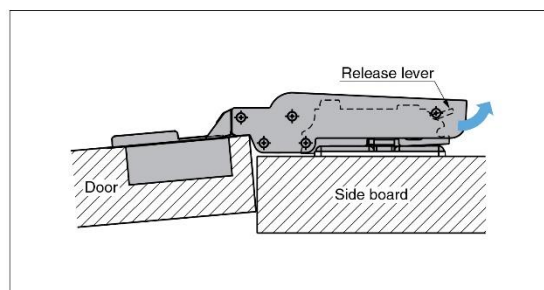
Align shaft of hinge body with front end of mounting plate, and press down back end of hinge body until it snaps into place.

[How to Detach]

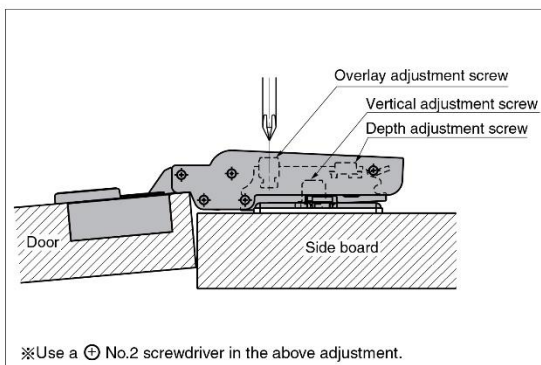
Push up release level in  direction, and remove hinge body from mounting plate.



Check if hinge body is properly installed on 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]

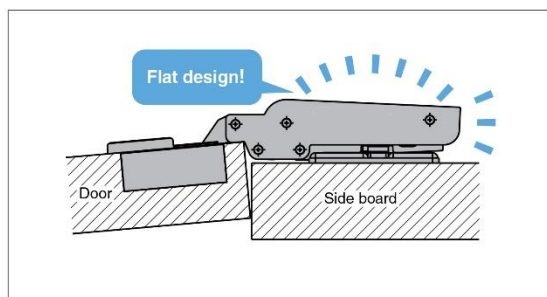
Be sure to use a manual screwdriver to fine tune adjustment screws within the adjustment range. Do not use pneumatic, electric or rechargeable screwdriver. Otherwise, the adjustment range may be exceeded and damage and malfunction of adjusting mechanism may occur.

[Adjustment Directions, Amount and Method]

Depth adjustment	+1.5 mm, -2.5 mm
	Turning the depth adjustment screw counterclockwise ⤿ to move the door forwards and clockwise ⤿ to move the door backwards.
Vertical adjustment	± 3 mm
	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.

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

Flat Design



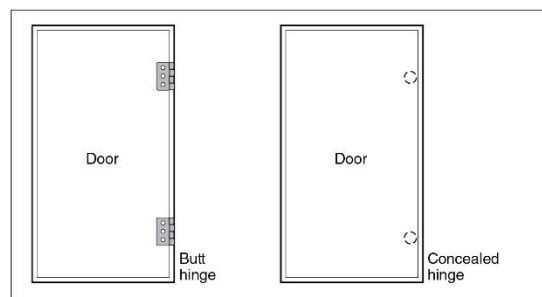
Flat design with no projections such as adjustment screws on the top of body. It is safe because the release level does not protrude from the back of body.

[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 1 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 1 : P.100

Without Impairing Design



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

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
ALUMINUM
FRAME

DROP
HINGES

GLASS
DOOR
HINGES

SPECIAL
HINGES

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**

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)
30	30	160-026-905	J95-24/25T	Without Catch	Body/Steel, Cup/Zinc Alloy (ZDC)	Nickel	134	100
30	30	160-026-731	J95-C24/25T	With Catch		Nickel	146	100
30	30	-	J95-24/25T BN	Without Catch		Black	134	100
30	30	-	J95-C24/25T BN	With Catch		Nickel	146	100

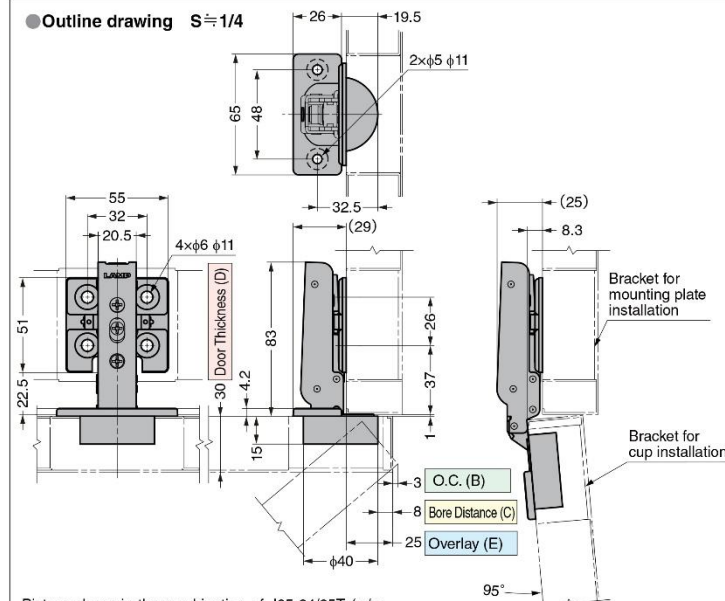
A mounting plate (sold separately) is required for installation. Please order separately.

[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]

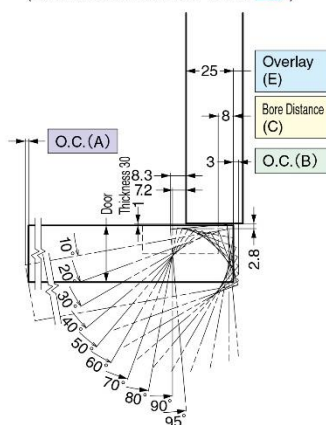
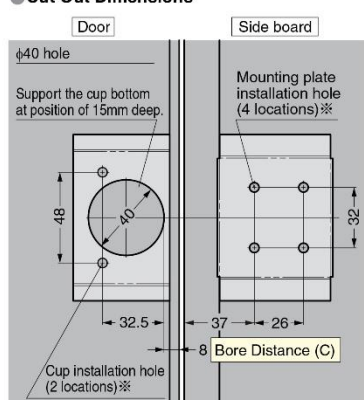
- M5 countersunk head screw,
M5 raised countersunk head screw

■ In case of sheet metal door**● Outline drawing S $\approx 1/4$** 

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 $\approx 1/4$

(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	0.3
20	0.5	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	0.7
24	1.1	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	1.5
28	3.2	2.8	2.5	2.2	2.1	2.0	2.0
30	5.0	4.5	4.0	3.6	3.3	3.0	3.0
32※	6.8	6.2	5.7	5.2	4.8	4.4	4.4
34※	8.6	8.0	7.5	6.9	6.5	6.0	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.108, **2** : P.110, **3** : P.109, **5** : P.111, **6** : P.100