

SUGATSUNE

Since 1930

Because details matter

LAMP®



CONCEALED HINGES

FOR CABINETS AND PARTITION DOORS

www.sugatsune.in



5-speed adjustable soft close. The first Sugatsune concealed hinge ever built with Lapcon technology.

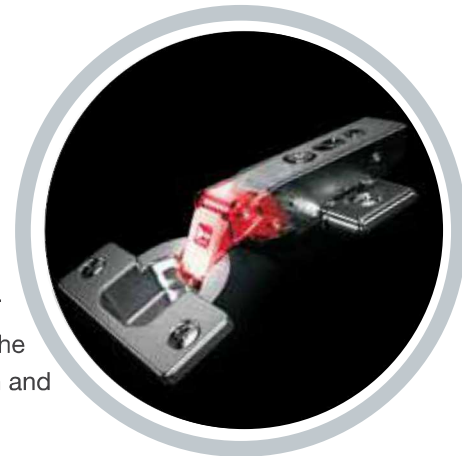
The first time Sugatsune's unique Lapcon technology has ever been used inside a concealed hinge. The innovative rotary damper is not only extremely compact, for sleek overall design, its force can also be adjusted in 5 steps for a perfect match regardless of the door size or weight.



Successfully passed 200,000 cycles test.

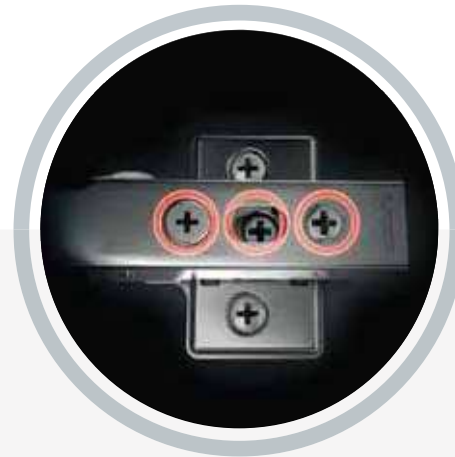
For a piece of furniture to last a lifetime, the hinge must perform flawlessly the whole time.

Despite official requirements by JIS (Japanese Standards) asking for only 40,000 cycles, the Olympia hinge has cleared 5 times as many to ensure that you will always be able to open and close your doors without worry.



Smooth assembly for a time-saving installation.

Using an original design of the Turn-Lock system, Olympia can be installed by simply pushing it from the top. This simplifies the installation compared to a traditional Front-First installation, especially in cases where multiple hinges are used.



One screwdriver for a one-handed 3D adjustment.

Depth, vertical, horizontal adjustment screws are all located on top. This was made possible because of our original damper. [Depth adjustment: +1.5mm, -2.5mm Vertical adjustment: ± 2.5 mm Overlay (Horizontal) adjustment: +0, -4mm]

lineup



Thick doors (40)

85° angle

Sprung-Open

Glass door face plate

are also available solutions.

Overlay			Item Code	Item Name	Description	Opening angle	Cup Size	Cup Depth	Type
	Wood Option Thick	Glass Option Thick	Full Overlay	Olympia 360 soft-close Concealed Hinge - 19mm Overlay					
19 mm	Wood Door 15~20	Glass Door 4~6	026840 + 026845	Olympia 360D Full Overlay with MP [Mounting Plate]	360-D26-19T+360-P4W-32T* 2 Pc.	105°	35 mm	11 mm	w/Damper [5-level]
19 mm	Wood Door 15~20	Glass Door 4~6	026832 + 026845	Olympia 360C Full Overlay with MP [Mounting Plate]	360-C26-19T+360-P4W-32T* 2 Pc.	105°	35 mm	11 mm	w/catch
19 mm	Wood Door 15~20	Glass Door 4~6	026836 + 026845	Olympia 360 Full Overlay with MP [Mounting Plate]	360-26-19T+360-P4W-32T* 2 Pc.	105°	35 mm	11 mm	w/o Catch

Half Overlay			Item Code	Item Name	Description	Opening angle	Cup Size	Cup Depth	Type
	Wood Option Thick	Glass Option Thick	Half Overlay	Olympia 360 Concealed Hinge with Catch - 19mm Overlay					
9 mm	Wood Door 15~20	Glass Door 4~6	026842 + 026845	Olympia 360D Half Overlay with MP [Mounting Plate]	360-D26-9T+360-P4W-32T* 2 Pc.	105°	35 mm	11 mm	w/Damper [5-level]
9 mm	Wood Door 15~20	Glass Door 4~6	026834 + 026845	Olympia 360C Half Overlay with MP [Mounting Plate]	360-C26-9T+360-P4W-32T* 2 Pc.	105°	35 mm	11 mm	w/catch
9 mm	Wood Door 15~20	Glass Door 4~6	026838 + 026845	Olympia 360 Half Overlay with MP [Mounting Plate]	360-26-9T+360-P4W-32T* 2 Pc.	105°	35 mm	11 mm	w/o Catch

Insetlay			Item Code	Item Name	Description	Opening angle	Cup Size	Cup Depth	Type
	Wood Option Thick	Glass Option Thick	Inset Lay	Olympia 360 Concealed Hinge without Catch - 19mm Overlay					
Inset	Wood Door 15~20	Glass Door 4~6	026843 + 026845	Olympia 360D Inset with MP [Mounting Plate]	360-D26-0T+360-P4W-32T* 2 Pc.	93°	35 mm	11 mm	w/Damper [5-level]
Inset	Wood Door 15~20	Glass Door 4~6	026835 + 026845	Olympia 360C Inset with MP [Mounting Plate]	360-C26-0T+360-P4W-32T* 2 Pc.	93°	35 mm	11 mm	w/catch
Inset	Wood Door 15~20	Glass Door 4~6	026839 + 026845	Olympia 360 Inset with MP [Mounting Plate]	360-26-0T+360-P4W-32T* 2 Pc.	93°	35 mm	11 mm	w/o Catch

OverLay			Item Code	Item Name	Description	Opening angle	Cup Size	Cup Depth	Type
	Wood Option Thick Door			Olympia 360 Thick door soft close Concealed Hinge - 26mm Overlay					
26 mm	Wood Door 18~30		029084 + 026845	Olympia 360HD Full Overlay with MP [Mounting Plate]	H360-D26-26T+360-P4W-32T* 2 Pc.	100°	40 mm	15 mm	w/Damper [5-level]
26 mm	Wood Door 18~30		029078 + 026845	Olympia 360HC Full Overlay with MP [Mounting Plate]	H360-C26-26T+360-P4W-32T* 2 Pc.	100°	40 mm	15 mm	w/catch
26 mm	Wood Door 18~30		029081 + 026845	Olympia 360H Full Overlay with MP [Mounting Plate]	H360-26-26T+360-P4W-32T* 2 Pc.	93°	40 mm	15 mm	w/o Catch
				Olympia 360 Thick door soft close Concealed Hinge - 16mm Half Overlay					
16 mm	Wood Door 18~30		029085 + 026845	Olympia 360HD HALF Overlay with MP [Mounting Plate]	H360-D26-16T+360-P4W-32T* 2 Pc.	100°	40 mm	15 mm	w/Damper [5-level]
16 mm	Wood Door 18~30		029079 + 026845	Olympia 360HC HALF Overlay with MP [Mounting Plate]	H360-C26-16T+360-P4W-32T* 2 Pc.	100°	40 mm	15 mm	w/catch
16 mm	Wood Door 18~30		029082 + 026845	Olympia 360H HALF Overlay with MP [Mounting Plate]	H360-26-16T+360-P4W-32T* 2 Pc.	93°	40 mm	15 mm	w/o Catch
				Olympia 360 Thick door soft close Concealed Hinge - Inset lay					
Inset	Wood Door 15~20		029086 + 026845	Olympia 360HD INSET with MP [Mounting Plate]	H360-D26-0T+360-P4W-32T* 2 Pc.	93°	40 mm	15 mm	w/Damper [5-level]
Inset	Wood Door 15~20		029080 + 026845	Olympia 360HC INSET with MP [Mounting Plate]	H360-C26-0T+360-P4W-32T* 2 Pc.	93°	40 mm	15 mm	w/catch
Inset	Wood Door 15~20		029083 + 026845	Olympia 360H INSET with MP [Mounting Plate]	H360-26-0T+360-P4W-32T* 2 Pc.	93°	40 mm	15 mm	w/o Catch

Specifications

14mm overlay / 105° opening, 85° opening

With damper function (5 levels)



Damper power adjustment lever

The picture above shows a combination of a concealed hinge (with damper) and a mounting plate (sold separately).

Overlay
10-14mm (when bore distance is 5mm)

Cup size $\phi 35$
Bore Depth 11mm Door Thickness 15-20mm

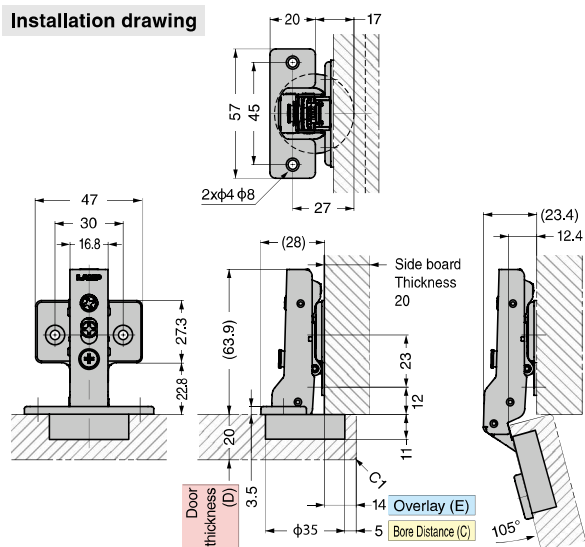
3D adjustment
Depth: +1.5, -2.5mm, Vertical: ± 2.5 mm,
Overlay: +0, -4mm

Sold separately: ▶ P.17 -

- ☐ Mounting plates ☐ Glass door face plate
- ☐ Countersunk head tapping screw 3.5 x 15NI ☐ Other
- ☐ Recommended screws: (Countersunk head wood/tapping screw 3.5)

► The installation drawing and locus chart shown are for a 20 mm thick door and side board, 14mm overlay and a 5mm bore distance. Opening angle is 105°.

Installation drawing



Drawings show a hinge, face plate and 360-P4W-30T mounting plate (sold separately).

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.

Opening clearance (B), door thickness (D) and bore distance (C) relationship

Door Thickness (D)	Bore Distance (C)		
	3	4	5
15	0.6	0.6	0.5
16	0.8	0.8	0.7
17	1.0	1.0	1.0
18	1.3	1.3	1.2
19	1.6	1.6	1.5
20	2	1.9	1.8
21*	2.4	2.3	2.2
22*	2.8	2.7	2.6
O.C. (B)			

* The table above shows O.C. (B) for C1 chamfering (chamfer plane).

* Please refer to the locus chart if door thickness is over 20mm. O.C. (B) can be made smaller by R chamfering (round chamfer) and C chamfering (chamfer plane) on the door.

Bore distance (C) and overlay (E) relationship

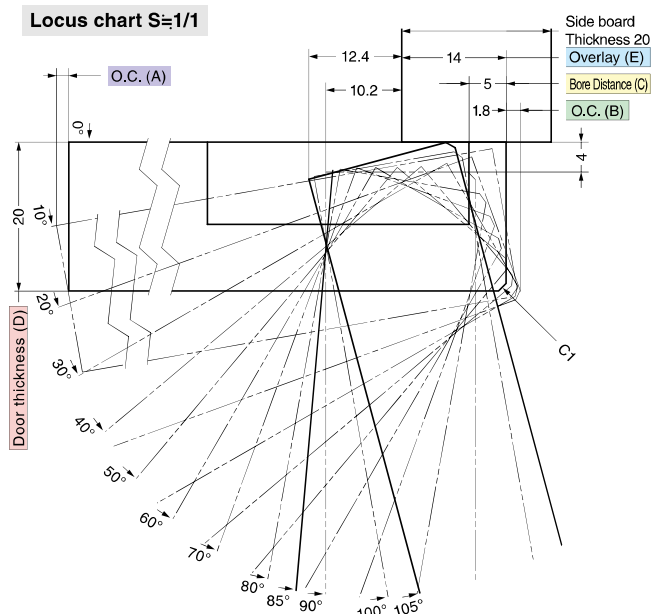
Bore Distance (C)	3	4	5
Overlay (E)	12	13	14

Overlay can be decreased by up to 4mm by turning the overlay adjustment screw.

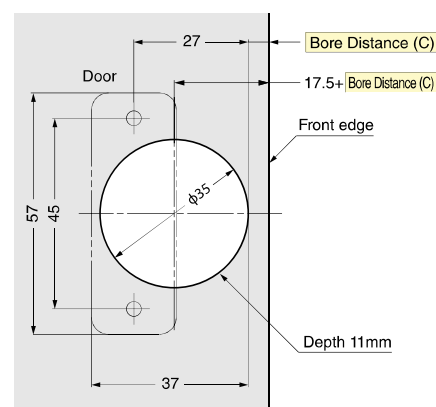
14 mm Overlay/105°, 85° Opening

	Item Code	Item Name	Opening angle	Type	Material	Finish	Cartoon
1	026840 + 026845	Olympia 360D Full Overlay with MP [Mounting Plate]	105°	w/Damper [5level]	Steel	Nickle	50 pairs
2	026842 + 026845	Olympia 360D Half Overlay with MP [Mounting Plate]	105°	w/catch	Steel	Nickle	50 pairs
3	026843 + 026845	Olympia 360D Inset with MP [Mounting Plate]	105°	w/o Catch	Steel	Nickle	50 pairs

Locus chart S $\approx$ 1/1



Cut out dimensions (wooden doors)



Opening clearance (A) and door width relationship (for 20mm thick door)

Door Width	300	400	500	600
O.C. (A)	0.13	0.09	0.07	0.06

Specifications

9mm overlay / 105° opening, 85° opening

With damper function (5 levels)



Damper power adjustment lever

The picture above shows a combination of a concealed hinge (with damper) and a mounting plate (sold separately).

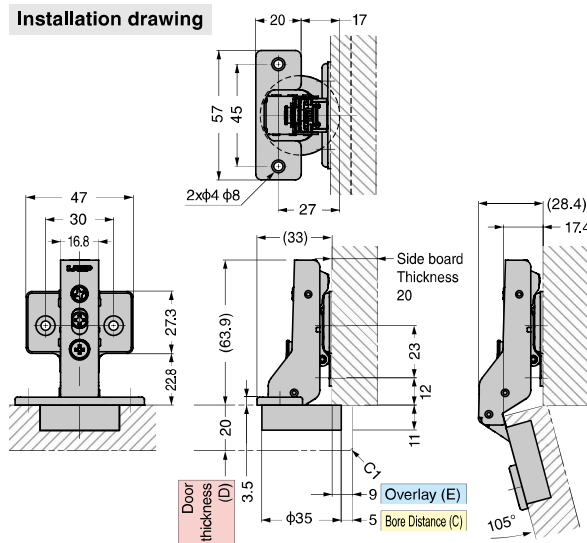
Overlay 5-9mm (when bore distance is 5mm)
Cup size $\phi 35$ Bore Depth 11mm Door Thickness 15-20mm
3D adjustment Depth: +1.5, -2.5mm, Vertical: ± 2.5 mm, Overlay: +0, -4mm

Sold separately: ▶ P.17 -

- ☐ Mounting plates ☐ Glass door face plate
- ☐ Countersunk head tapping screw 3.5 x 15NI ☐ Other
- ☐ Recommended screws: (Countersunk head wood/tapping screw 3.5)

► The installation drawing and locus chart shown are for a 20 mm thick door and side board, 9mm overlay and a 5mm bore distance. Opening angle is 105°.

Installation drawing



Drawings show a hinge, face plate and 360-P4W-30T mounting plate (sold separately).

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.

Opening clearance (B), door thickness (D) and bore distance (C) relationship

Door Thickness (D)	Bore Distance (C)		
	3	4	5
15	0.6	0.6	0.5
16	0.8	0.8	0.7
17	1.0	1.0	1.0
18	1.3	1.3	1.2
19	1.6	1.6	1.5
20	2	1.9	1.8
21*	2.4	2.3	2.2
22*	2.8	2.7	2.6
O.C. (B)			

* The table above shows O.C. (B) for C1 chamfering (chamfer plane).

* Please refer to the locus chart if door thickness is over 20mm. O.C. (B) can be made smaller by R chamfering (round chamfer) and C chamfering (chamfer plane) on the door.

Bore distance (C) and overlay (E) relationship

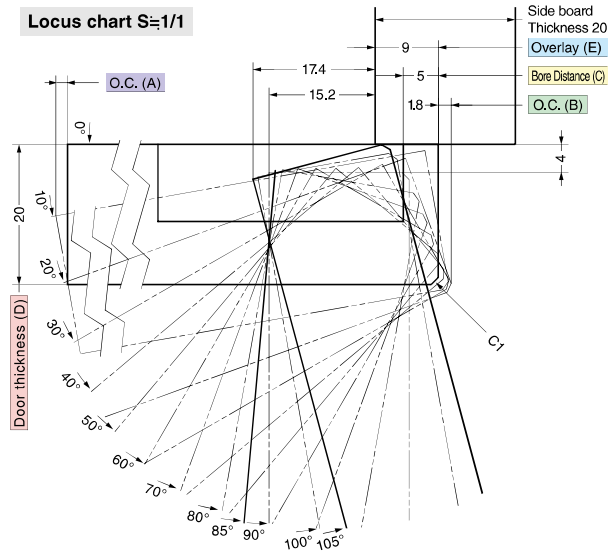
Bore Distance (C)	3	4	5
Overlay (E)	7	8	9

Overlay can be decreased by up to 4mm by turning the overlay adjustment screw.

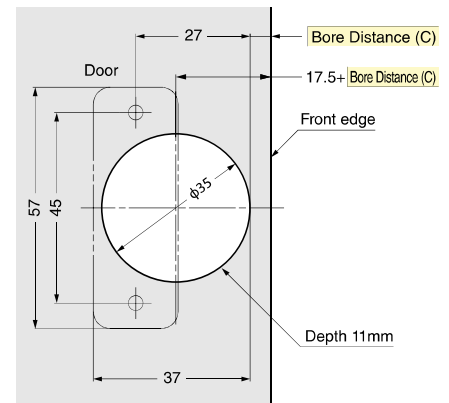
9 mm Overlay/105°, 85° Opening

	Item Code	Item Name	Opening angle	Type	Material	Finish	Cartoon
1	026832 + 026845	Olympia 360C Full Overlay with MP [Mounting Plate]	105°	w/Damper [5level]	Steel	Nickle	50 pairs
2	026834 + 026845	Olympia 360C Half Overlay with MP [Mounting Plate]	105°	w/catch	Steel	Nickle	50 pairs
3	026835 + 026845	Olympia 360C Inset with MP [Mounting Plate]	105°	w/o Catch	Steel	Nickle	50 pairs

Locus chart S $\approx$ 1/1



Cut out dimensions (wooden doors)



Specifications

Inset / 93° opening

With damper function (5 levels)



Damper power adjustment lever

The picture above shows a combination of a concealed hinge (with damper) and a mounting plate (sold separately).

Cup size $\phi 35$
Bore Depth 11mm Door Thickness 15-20mm

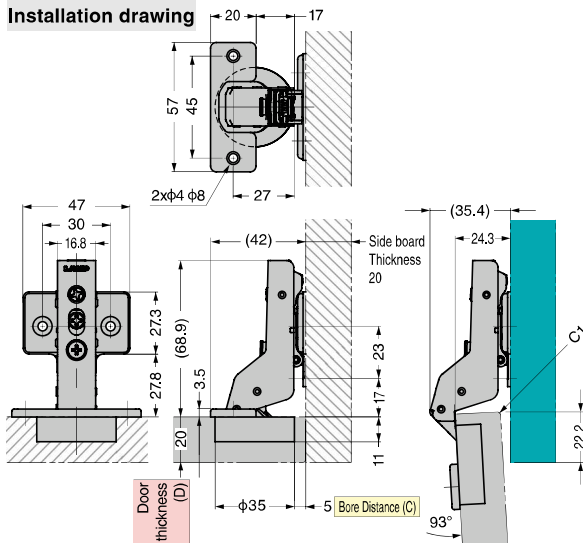
3D adjustment
Depth: +1.5, -2.5mm, Vertical: ± 2.5 mm,
Overlay: +0, -4mm

Sold separately: ▶ P.17 -

- ☐ Mounting plates ☐ Glass door face plate
- ☐ Countersunk head tapping screw 3.5 x 15NI ☐ Other
- ☐ Recommended screws: (Countersunk head wood/tapping screw 3.5)

▶ The installation drawing and locus chart shown are for a 20 mm thick door and side board, 5mm bore distance and inset installation.

Installation drawing



Drawings show a hinge, face plate and 360-P4W-30T mounting plate (sold separately).

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.

Opening clearance (B), door thickness (D) and bore distance (C) relationship

Door Thickness (D)	Bore Distance (C)		
	3	4	5
15	0	0	0
16	0	0	0
17	0	0	0
18	0	0	0
19	0.1	0.1	0.1
20	0.3	0.3	0.2
21*	0.5	0.4	0.4
22*	1.0	0.7	0.7
O.C. (B)			

* The table above shows O.C. (B) for C1 chamfering (chamfer plane).

* Please refer to the locus chart if door thickness is over 20mm. O.C. (B) can be made smaller by R chamfering (round chamfer) and C chamfering (chamfer plane) on the door.

Bore distance (C) and overlay (E) relationship

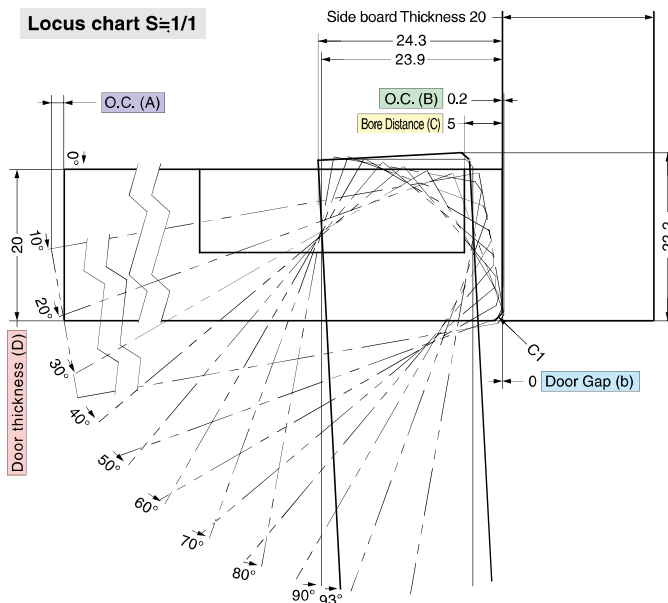
Bore Distance (C)	3	4	5
Overlay (E)	2	1	0

Overlay can be decreased by up to 4mm by turning the overlay adjustment screw.

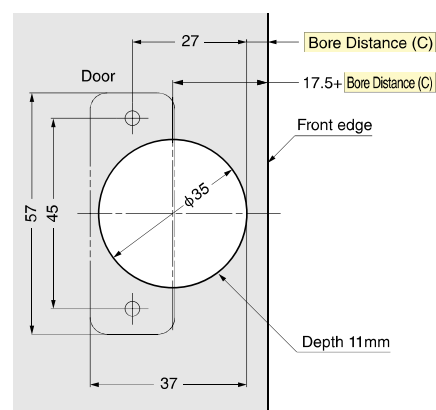
INSET/93° Opening

	Item Code	Item Name	Opening angle	Type	Material	Finish	Cartoon
1	026836 + 026845	Olympia 360 Full Overlay with MP [Mounting Plate]	93°	w/Damper [5level]	Steel	Nickle	50 pairs
2	026838 + 026845	Olympia 360 Half Overlay with MP [Mounting Plate]	93°	w/catch	Steel	Nickle	50 pairs
3	026839 + 026845	Olympia 360 Inset with MP [Mounting Plate]	93°	w/o Catch	Steel	Nickle	50 pairs

Locus chart S₂1/1



Cut out dimensions (wooden doors)



Opening clearance (A) and door width relationship (for 20mm thick door)

Door Width	300	400	500	600
O.C. (A)	0.44	0.32	0.25	0.21

Specifications

Thick doors 26mm overlay / 100° opening

With damper function (5 levels)



Damper power adjustment lever

The picture above shows a combination of a concealed hinge (with damper) and a mounting plate (sold separately).

Overlay
22-26mm (when bore distance is 8mm)

Cup size $\phi 40$
Bore Depth 15mm Door Thickness 18-30mm

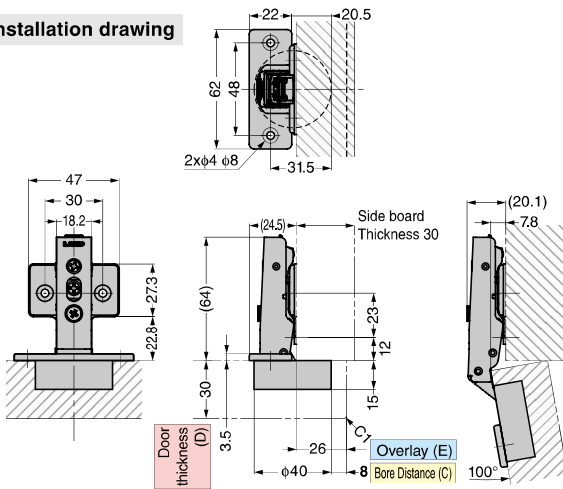
3D adjustment
Depth: +1.7, -2.8mm, Vertical: ± 2.5 mm,
Overlay: +0, -4mm

Sold separately: ▶ P.17 -

- ☐ Mounting plates
- ☐ Countersunk head tapping screw 3.5 x 15NI
- ☐ Recommended screws: (Countersunk head wood/tapping screw 3.5)

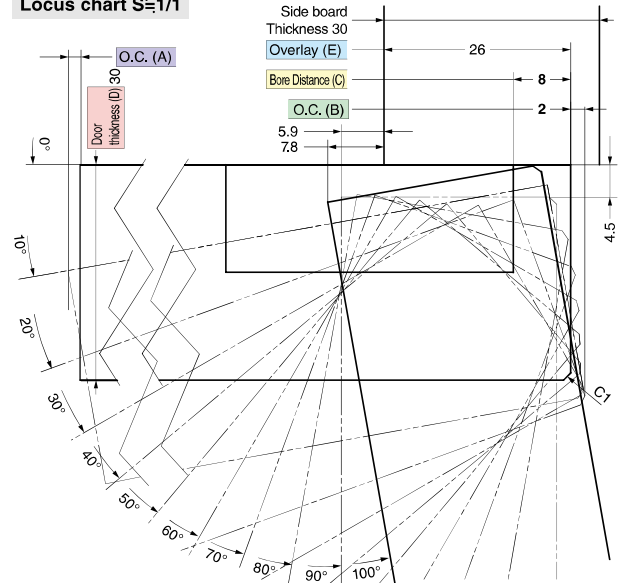
▶ The installation drawing and locus chart shown are for a 30 mm thick door and side board, 26mm overlay and a 8mm bore distance.

Installation drawing

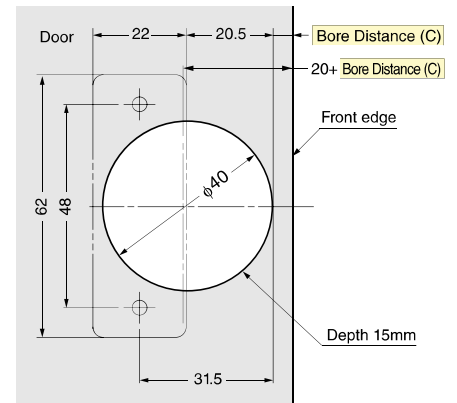


Drawings show a hinge, face plate and 360-P4W-30T mounting plate (sold separately).

Locus chart S=1/1



Cut out dimensions (wooden doors)



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.

Opening clearance (B), door thickness (D) and bore distance (C) relationship

Door Thickness (D)	Bore Distance (C)					
	3	4	5	6	7	8
18	0.1	0.1	0.1	0.1	0.1	0.1
20	0.3	0.3	0.3	0.3	0.3	0.3
22	0.5	0.5	0.5	0.5	0.5	0.5
24	0.8	0.8	0.8	0.8	0.8	0.8
26	1.3	1.2	1.2	1.1	1.1	1.1
28	3.6	2.6	1.6	1.6	1.5	1.5
30	6.0	5.0	4.0	3.0	2.1	2.0
32*	8.4	7.4	6.4	5.4	4.4	3.4
34*	10.8	9.8	8.8	7.8	6.8	5.8
O.C. (B)						

* The table above shows O.C. (B) for C1 chamfering (chamfer plane).

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

Bore distance (C) and overlay (E) relationship

Bore Distance (C)	3	4	5	6	7	8
Overlay (E)	21	22	23	24	25	26

Overlay can be decreased by up to 4mm by turning the overlay adjustment screw.

Opening clearance (A) and door width relationship (for 30mm thick door)

Door Width	300	400	500	600
O.C. (A)	0.35	0.25	0.19	0.16

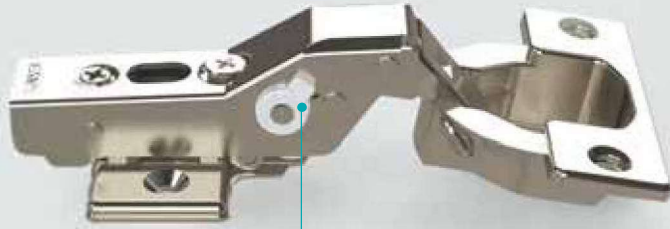
Olympia 360 Thick door soft close Concealed Hinge - 26mm Overlay

	Item Code	Item Name	Opening angle	Type	Material	Finish	Cartoon
1	029084 + 026845	Olympia 360HD Full Overlay with MP	100°	w/Damper [5level]	Steel	Nickle	50 pairs
2	029078 + 026845	Olympia 360HC Full Overlay with MP	100°	w/Catch Damper [5level]	Steel	Nickle	50 pairs
3	029081 + 026845	Olympia 360H Full Overlay with MP	93°	w/o Catch [5level]	Steel	Nickle	50 pairs

Specifications

Thick doors 16mm overlay / 100° opening

With damper function (5 levels)



Damper power adjustment lever

The picture above shows a combination of a concealed hinge (with damper) and a mounting plate (sold separately).

Overlay

12-16mm (when bore distance is 8mm)

Cup size $\phi 40$

Bore Depth 15mm Door Thickness 18-30mm

3D adjustment

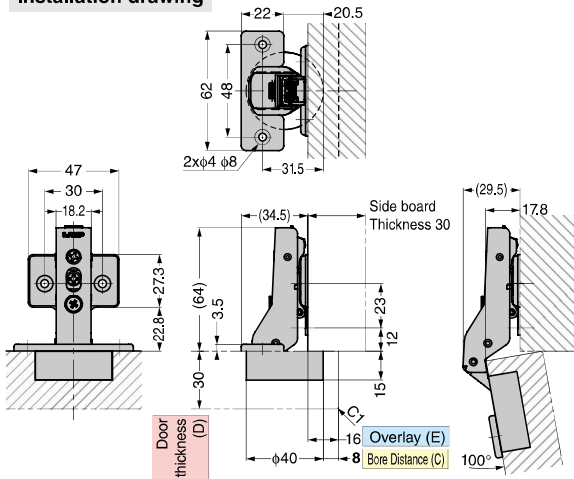
Depth: +1.7, -2.8mm, Vertical: ± 2.5 mm,
Overlay: +0, -4mm

Sold separately: ▶ P.17 -

- ☐ Mounting plates
- ☐ Countersunk head tapping screw 3.5 x 15NI
- ☐ Recommended screws: (Countersunk head wood/tapping screw 3.5)

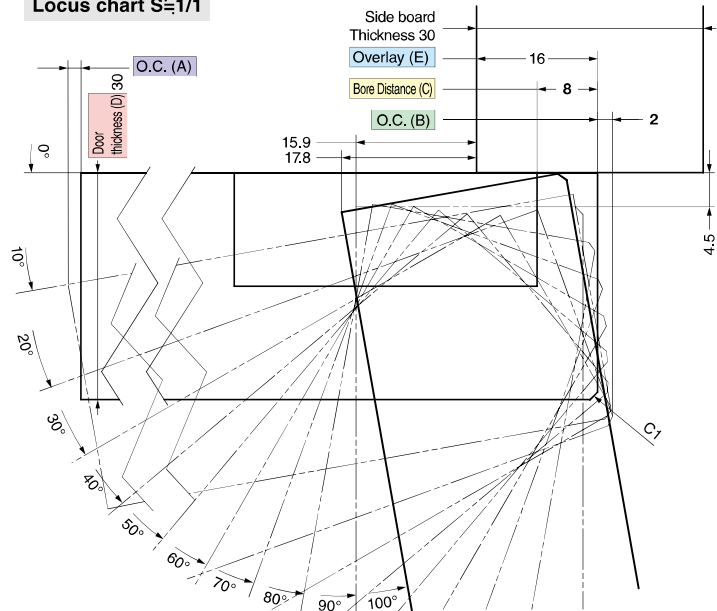
▶ The installation drawing and locus chart shown are for a 30 mm thick door and side board, 16mm overlay and a 8mm bore distance.

Installation drawing

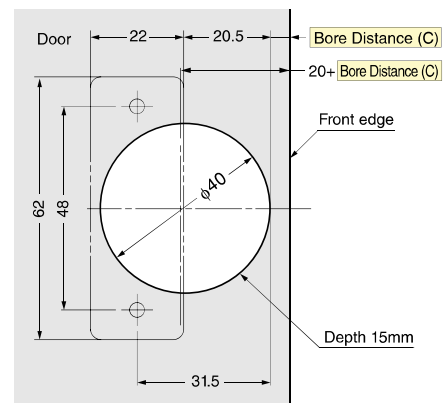


Drawings show a hinge, face plate and 360-P4W-30T mounting plate (sold separately).

Locus chart S=1/1



Cut out dimensions (wooden doors)



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.

Opening clearance (B), door thickness (D) and bore distance (C) relationship

Door Thickness (D)	Bore Distance (C)					
	3	4	5	6	7	8
18	0.1	0.1	0.1	0.1	0.1	0.1
20	0.3	0.3	0.3	0.3	0.3	0.3
22	0.5	0.5	0.5	0.5	0.5	0.5
24	0.8	0.8	0.8	0.8	0.8	0.8
26	1.3	1.2	1.2	1.1	1.1	1.1
28	3.6	2.6	1.6	1.6	1.5	1.5
30	6.0	5.0	4.0	3.0	2.1	2.0
32*	8.4	7.4	6.4	5.4	4.4	3.4
34*	10.8	9.8	8.8	7.8	6.8	5.8
O.C. (B)						

* The table above shows O.C. (B) for C1 chamfering (chamfer plane).

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

Bore distance (C) and overlay (E) relationship

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

Overlay can be decreased by up to 4mm by turning the overlay adjustment screw.

Opening clearance (A) and door width relationship (for 30mm thick door)

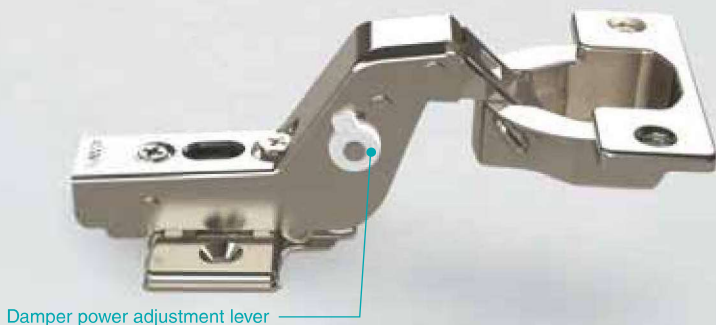
Door Width	300	400	500	600
O.C. (A)	0.35	0.25	0.19	0.16

	Item Code	Item Name	Opening angle	Type	Material	Finish	Cartoon
1	029085 + 026844	Olympia 360HD HALF Overlay with MP	100°	w/Damper [5level]	Steel	Nickle	50 pairs
2	029079 + 026844	Olympia 360HC HALF Overlay with MP	100°	w/Catch Damper [5level]	Steel	Nickle	50 pairs
3	029082 + 026844	Olympia 360H HALF Overlay with MP	100°	w/o Catch [5level]	Steel	Nickle	50 pairs

Specifications

Thick doors Inset / 93° opening

With damper function (5 levels)



The picture above shows a combination of a concealed hinge (with damper) and a mounting plate (sold separately).

Cup size $\phi 40$
Bore Depth 15mm Door Thickness 18-30mm

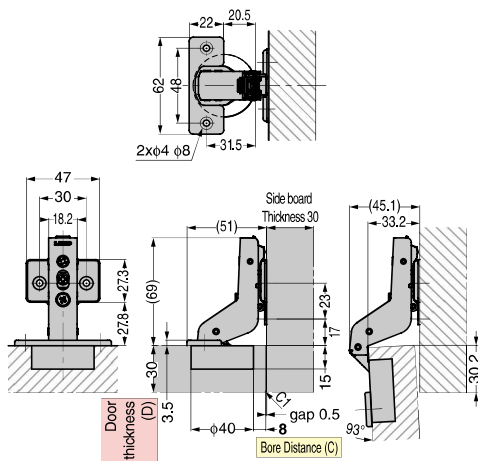
3D adjustment
Depth: +1.7, -2.8mm, Vertical: ± 2.5 mm,
Overlay: +0, -4mm

Sold separately: ▶ P.17 -

- ☐ Mounting plates
- ☐ Countersunk head tapping screw 3.5 x 15NI
- ☐ Recommended screws: (Countersunk head wood/tapping screw 3.5)

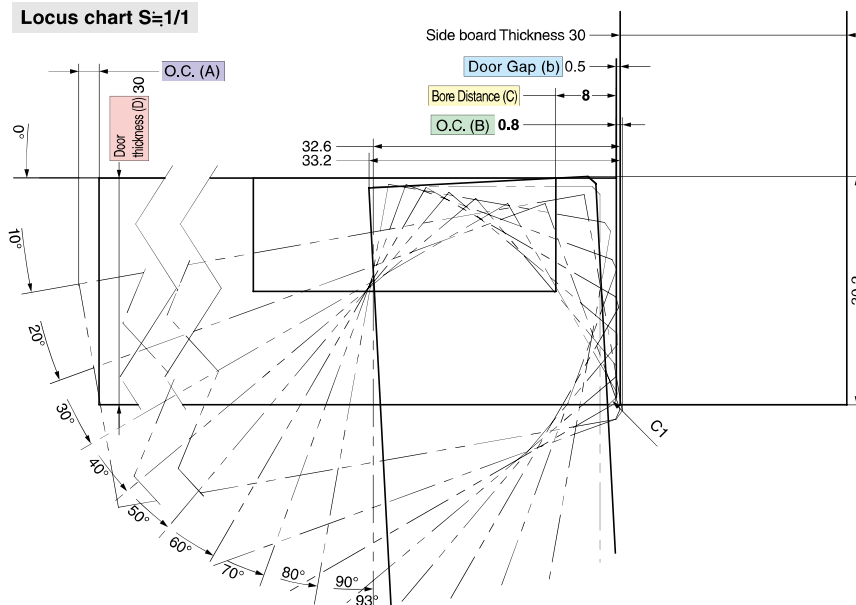
► The installation drawing and locus chart shown are for a 30 mm thick door and side board, a 8mm bore distance and inset installation.

Installation drawing



Drawings show a hinge, face plate and 360-P4W-30T mounting plate (sold separately).

Locus chart $S \equiv 1/1$



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.

Opening clearance (B), door thickness (D) and bore distance (C) relationship

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	0	0	0	0	0
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	0.7	0.5	0.5	0.5	0.5
30	3.9	2.9	2.0	1.4	0.8	0.8
32*	5.9	4.9	3.9	3.3	2.6	2.1
34*	8.1	7.1	6.1	5.1	4.5	3.9
	O.C. (B)					

- The table above shows O.C. (B) for C1 chamfering (chamfer plane).

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

Bore distance (C) and Door Gap (b) relationship

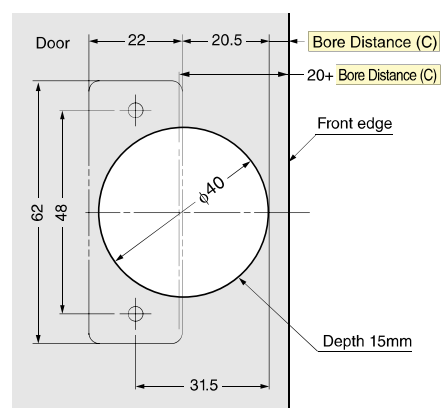
Bore Distance (C)	3	4	5	6	7	8
Door Gap (b)	5.5	4.5	3.5	2.5	1.5	0.5

Door Gap (b) adjustment (+4mm) by turning the overlay adjustment screw. Please check required O.C. (B) at the table below.

Opening clearance (A) and door width relationship (for 30mm thick door)

Door Width	300	400	500	600
O.C. (A)	0.78	0.55	0.43	0.35

Cut out dimensions (wooden doors)



19 mm overlay / 105° opening, 85° opening

With damper function (5 levels)



Damper power adjustment lever

The picture above shows a combination of a concealed hinge (with damper) and a mounting plate (sold separately).

Overlay
15-19mm (when bore distance is 5mm)

Cup size $\phi 35$
Bore Depth 11mm Door Thickness 15-20mm

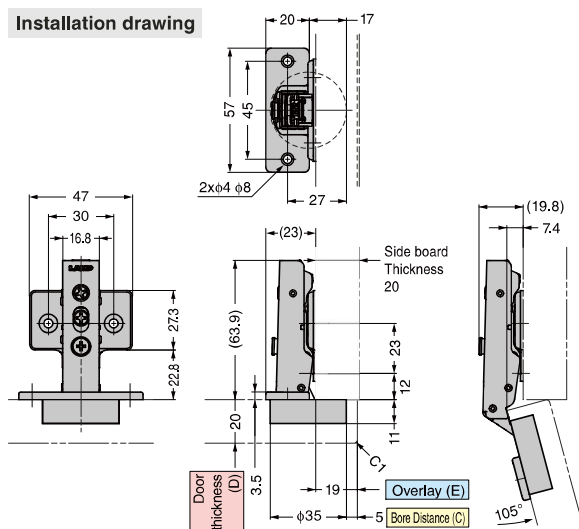
3D adjustment
Depth: +1.5, -2.5mm, Vertical: ± 2.5 mm,
Overlay: +0, -4mm

Sold separately:

- ☐ Mounting plates ☐ Glass door face plate
- ☐ Countersunk head tapping screw 3.5 x 15NI ☐ Other
- ☐ Recommended screws: (Countersunk head wood/tapping screw 3.5)

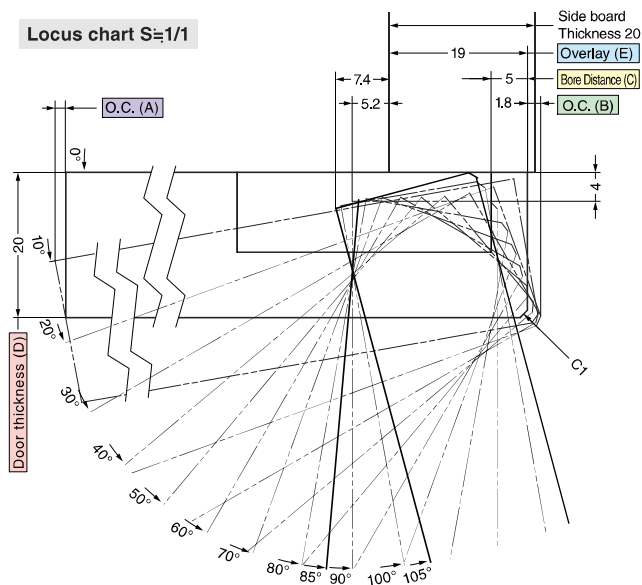
► The installation drawing and locus chart shown are for a 20 mm thick door and side board, 19mm overlay and a 5mm bore distance. Opening angle is 105°.

Installation drawing



Drawings show a hinge, face plate and 360-P4W-30T mounting plate (sold separately).

Locus chart S=1/1



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.

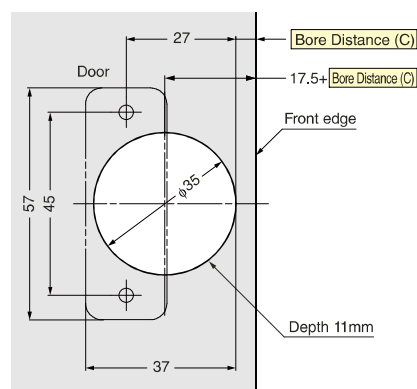
Opening clearance (B), door thickness (D) and bore distance (C) relationship

Door Thickness (D)	Bore Distance (C)		
	3	4	5
15	0.6	0.6	0.5
16	0.8	0.8	0.7
17	1.0	1.0	1.0
18	1.3	1.3	1.2
19	1.6	1.6	1.5
20	2	1.9	1.8
21*	2.4	2.3	2.2
22*	2.8	2.7	2.6
O.C. (B)			

* The table above shows O.C. (B) for C1 chamfering (chamfer plane).

* Please refer to the locus chart if door thickness is over 20mm. O.C. (B) can be made smaller by R chamfering (round chamfer) and C chamfering (chamfer plane) on the door.

Cut out dimensions (wooden doors)



Bore distance (C) and overlay (E) relationship

Bore Distance (C)	3	4	5
Overlay (E)	17	18	19

Overlay can be decreased by up to 4mm by turning the overlay adjustment screw.

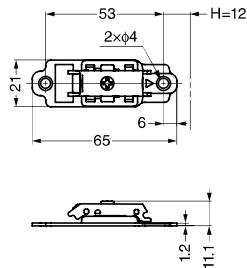
Opening clearance (A) and door width relationship (for 20mm thick door)

Door Width	300	400	500	600
O.C. (A)	0.13	0.09	0.07	0.06

Item code	Item name	Opening angle	Type	Material	Finish	Carton
CAD 160-026-840	360-D26-19T	105°	With damper (5 levels)	Steel	Nickel	100pcs
CAD 160-026-836	360-26-19T		Without catch			200pcs
CAD 160-026-832	360-C26-19T		With catch			
CAD 160-042-389	360-U26-19T		Sprung-open			100pcs
NEW CAD 160-034-889	360-D26-19T85	85°	With damper (5 levels)			
NEW CAD 160-034-886	360-26-19T85		Without catch			
NEW CAD 160-034-883	360-C26-19T85		With catch			200pcs

MOUNTING PLATE 360-P3W-53T Straight Type

OLYMPIA



- The slim design gives a sleek look.

[Specification]

- Vertical adjustment : ± 2.5 mm
- Standard height : 0 mm
- Value of H : door thickness + 17 mm in case of inset.
- Value of H : door thickness + 19 mm in use of GH-360FP. **1**

[Remarks]

- When using with two H360 hinges, door spec should be as below:
 - Door width : max. 450 mm
 - Door weight : max. 7 kg

[Sold Separately]

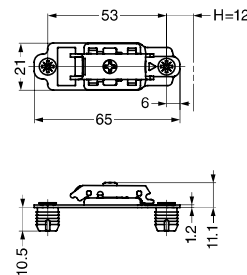
- Raised countersunk head tapping screw 3.5 x 15

RoHS	CAD	Item Code	Item Name	Material	Finish	Weight (g)	Box (pcs)
●	●	160-046-697	360-P3W-53T	Steel	Nickel Plating	20	400

Refer to **1**: P.A25

MOUNTING PLATE 360-P3W-53T-D10 Straight Type / With Dowels

OLYMPIA



- The slim design gives a sleek look.
- Pre-attached with press-in dowels.

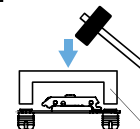
[Specification]

- Vertical adjustment : ± 2.5 mm
- Standard height : 0 mm
- Value of H : door thickness + 17 mm in case of inset.
- Value of H : door thickness + 19 mm in use of GH-360FP. **1**
- Mounting hole : $\phi 10$ (depth: 11mm and more)

[Remarks]

- Press in the dowels at the same time.
- When using with two H360 hinges, door spec should be as below:
 - Door width : max. 450 mm
 - Door weight : max. 7 kg

[Installation]



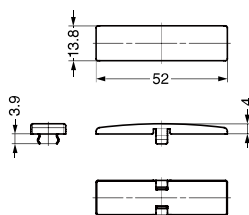
Please prepare a jig by yourself.

RoHS	CAD	Item Code	Item Name	Material	Finish	Dowel Material	Weight (g)	Box (pcs)
●	●	160-046-698	360-P3W-53T-D10	Steel	Nickel Plating	Polyamide (PA)	24	400



BODY COVER 360HC-19H26-NI For 19 and 26 mm Overlay

OLYMPIA



● Hides screws for a sleek look.

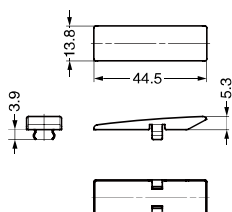
[Available Hinge]

- 360 (19 mm overlay type)
- H360 (26 mm overlay type)

RoHS	CAD	Item Code	Item Name	Material	Finish	Weight (g)	Box (pcs)
●	●	160-046-883	360HC-19H26-NI	Steel	Nickel Plating	2.6	400

BODY COVER 360HC-9H16-NI For 9 and 16 mm Overlay

OLYMPIA



● Hides screws for a sleek look.

[Available Hinge]

- 360 (9 mm overlay type)
- H360 (16 mm overlay type)

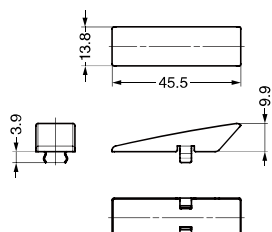
[Remarks]

- Cannot be used in 14 mm overlay installation.

RoHS	CAD	Item Code	Item Name	Material	Finish	Weight (g)	Box (pcs)
●	●	160-046-884	360HC-9H16-NI	Steel	Nickel Plating	2.2	400

BODY COVER 360HC-0H0-NI For Inset

OLYMPIA



● Hides screws for a sleek look.

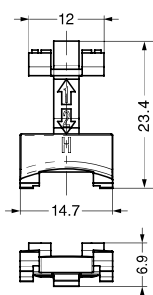
[Available Hinge]

- 360 (inset type)
- H360 (inset type)

RoHS	CAD	Item Code	Item Name	Material	Finish	Weight (g)	Box (pcs)
●	●	160-046-885	360HC-0H0-NI	Steel	Nickel Plating	2.7	400

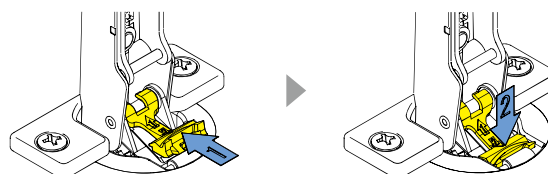
85° ANGLE LIMITER H360-85 For Thick Doors

OLYMPIA



- Limits the opening angle from 100° to 85° of the H360 hinge.
(The H360 is a thick door model of OLYMPIA hinge series.)

[How to Use]

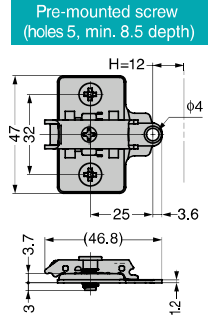
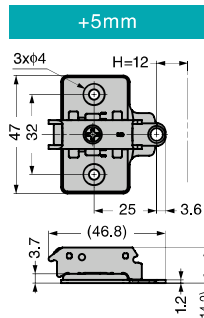
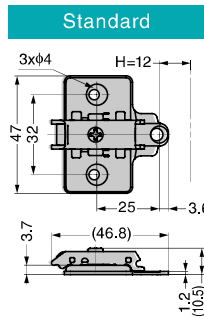


RoHS	CAD	Item Code	Item Name	Material	Colour	Box (pcs)
●	●	160-044-151	H360-85	PBT	Grey	1,000

Mounting Plates

LAMP. Mounting plates 360 - P4W - 32T

System 32



Specifications

○ Value of H for inset installation is door thickness + 17mm.

Item Code	Item name	Type	Height adjustment	Material	Finish	Carton
NEW 160-026-845	360-P4W-30T	Standard	±2.5mm	Steel	Nickel	400pcs
NEW 160-035-078	360-P4W-32T+5	+5mm				
NEW 160-042-395	360-P4W-32T-DS	Pre-mounted screw				

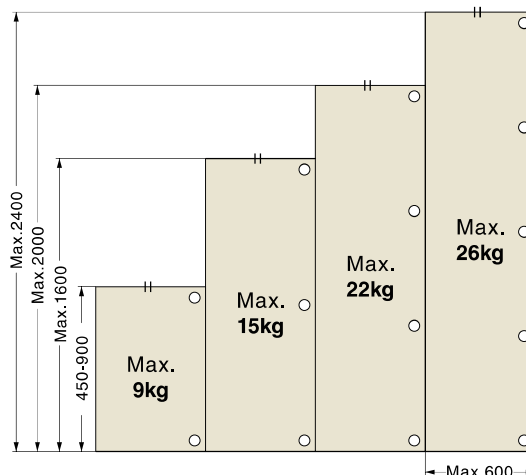
Door size and recommended hinge quantity

Standard wood doors 360



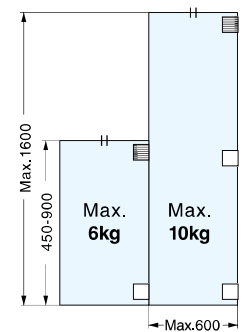
Door width	Door thickness	Material density	Installation pitch
Max. 600	Max. 20	Max. 0.6	Min. 300

Thick wood doors H360



Door width	Door thickness	Material density	Installation pitch
Max. 600	Max. 30	Max. 0.6	Min. 300

Glass doors 360 and GH-360FP



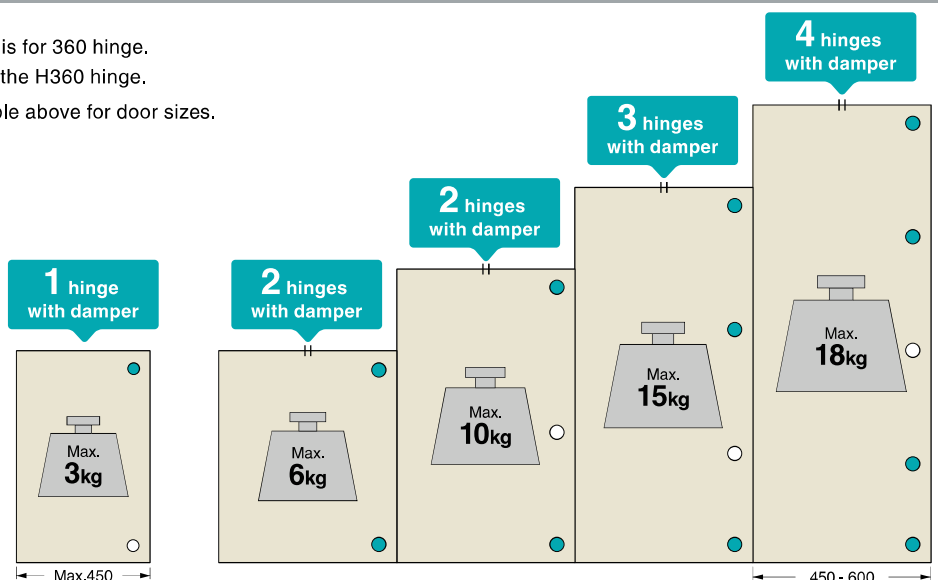
Glass thickness	Installation pitch
4 - 6	Min. 300

Recommended type of damper per installation

- With damper
- With catch

* The table on the right is for 360 hinge. Please contact us for the H360 hinge.
* Please refer to the table above for door sizes.

- Please set the door center of gravity as the door center.
- If you want to increase the door width, please increase the number of hinges accordingly.
- Attach the upper and lower hinges within 100 mm from the edge of the door. When using three or more, install at regular intervals
- Figures shown in the tables above are only indicative. Please always test before finalizing your design.
- Please contact us for any other configuration.
- The dimensions of the door and the number of hinges mounted are the results of tests made according to the JIS standard.
- All screw holes should be used.



Faceplate

LAMP. Glass door face plate GH - 360FP

System 30

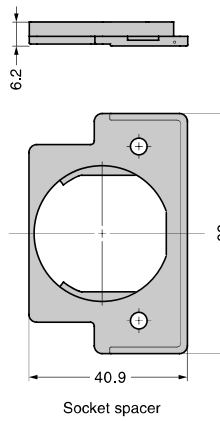
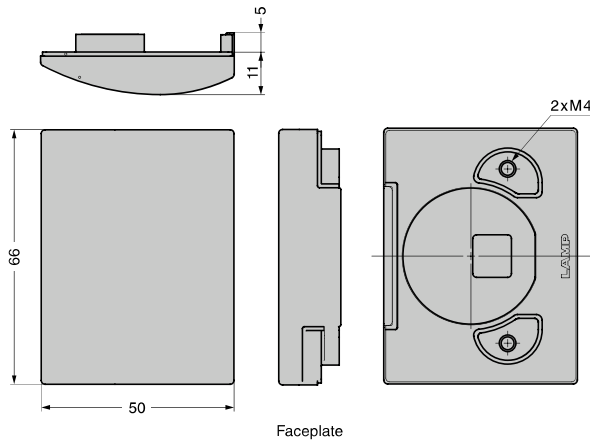


- Glass door face plate designed specifically for the Olympia hinge.(Not suitable for the H360 hinge).
- For tempered glass doors.
- Use the screws supplied and tighten to 0.75~1.5N.m

<Accessory>

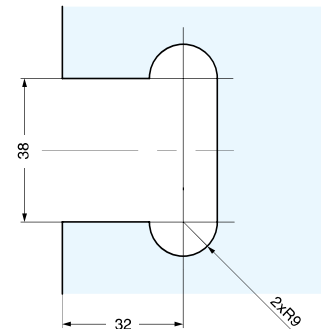
- Cross Recessed Flat Head Machine Screw M4 × 14

Item Code	Item name	Finish / Colour	Material
NEW 160-43-631	GH-360FP-CR	Chrome plating	Zinc Alloy (ZDC) Polyacetal (POM)
NEW 160-043-632	GH-360FP-SN	Satin nickel	
NEW 160-043-724	GH-360FP-GP	24K Gold plating	
NEW 160-043-633	GH-360FP-BL	Black	



Cut Out Dimensions

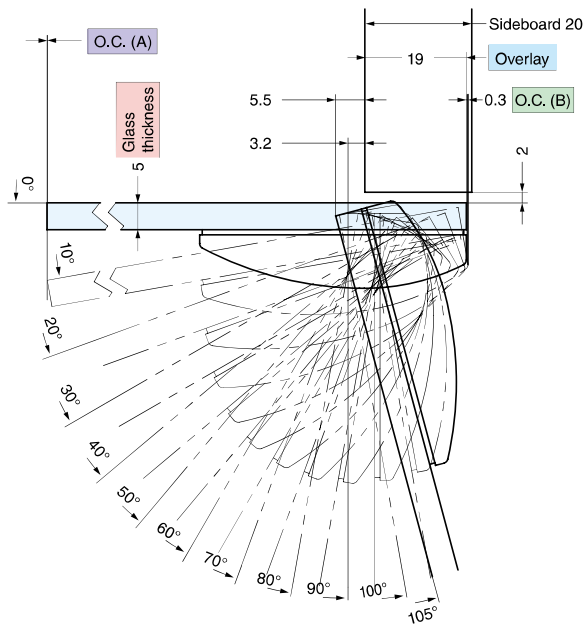
- Please use 4 - 6mm tempered glass.
- Use of shatterproof film is recommended.



Side board and face plate relationship

► For a 5mm door, 20mm sideboard and 19 overlay.

Locus chart S $\geq$ 7/10 Overlay (19mm)



Opening clearance (O.C.)

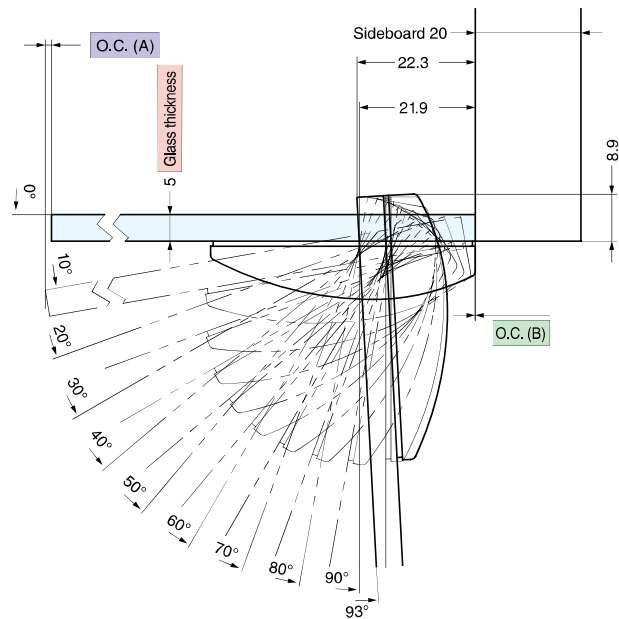
Glass thickness	4	5	6
O.C. (B)	0.2	0.3	0.5

Opening clearance (A) and door width relationship (for 5mm door)

Glass width	300	400	500	600
O.C. (A)	0.07	0.05	0.04	0.03

► For a 5mm door, 20mm sideboard and inset installation.

Locus chart S $\geq$ 7/10 Inset



Opening clearance (O.C.)

Glass thickness	4	5	6
O.C. (B)	0	0	0

Opening clearance (A) and door width relationship (for 5mm door)

Glass width	300	400	500	600
O.C. (A)	0.34	0.25	0.19	0.16

HEAVY DUTY CONCEALED HINGE

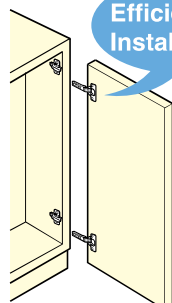
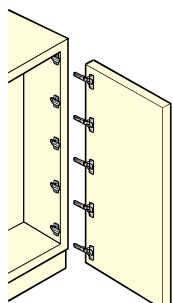
J95

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

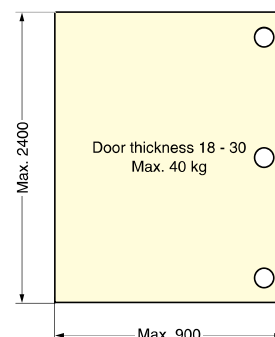
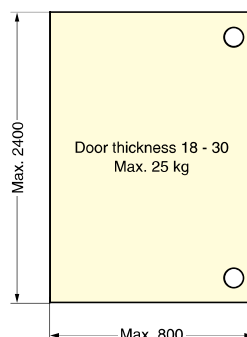
You can reduce the time spending over construction and installation since you don't need to install as many as regular concealed hinges. It can be used for heavy door applications such as big cabinets in houses or stores.

Normal Concealed Hinges
(5 pcs used)

J95
(2 pcs used)

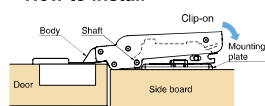


The Number of Necessary Hinges with Door Dimensions

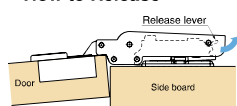


Simple Installation and Detachment by One-Touch

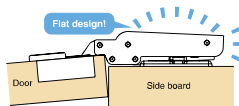
• **How to Install**



• **How to Release**

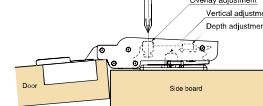


Flat Design

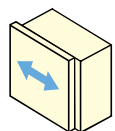


Easy and Fast Adjustment

Door can be adjusted by turning adjustment screws.

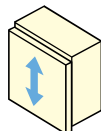


Overlay Adjustment
(Horizontal Adjustment)



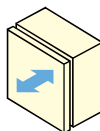
+0 mm, -4 mm

Vertical Adjustment



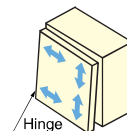
±3 mm

Depth Adjustment



+1.5 mm, -2.5 mm

Tilting Adjustment



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

For One-Touch Sliding Hinge for Heavy Doors J95 Series

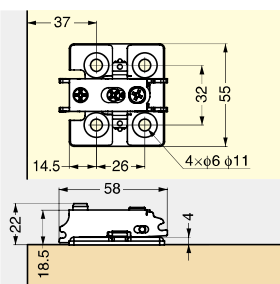
TAP518



CAD	Item Code	Item Name	Material	Finish
-	160-032-356	TAP518NI	Steel	Nickel
-	160-043-496	TAP518BN		Black Nickel

MOUNTING PLATE

J95-P6T



Features

- Depth adjustment : + 1.5 -2.5 mm
- Vertical adjustment : ± 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

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 (P.368)



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

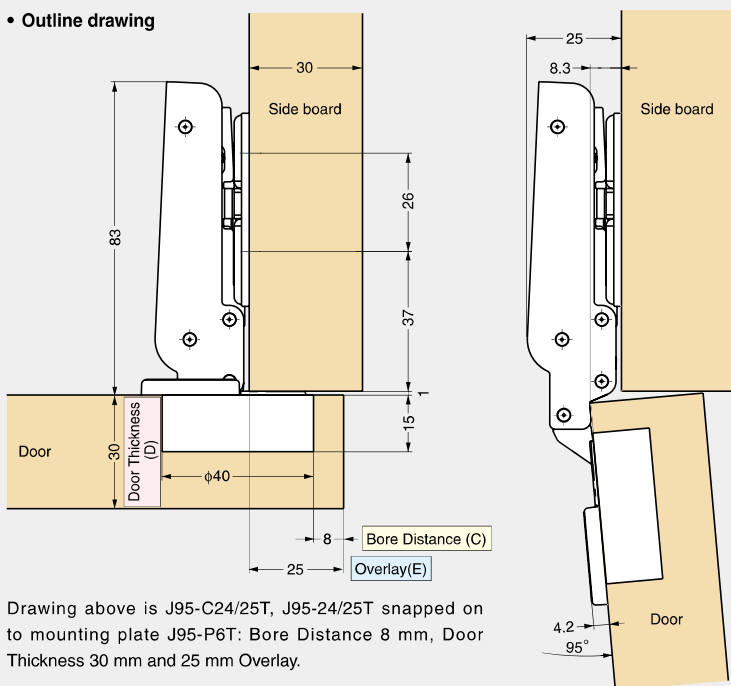
Features

- 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

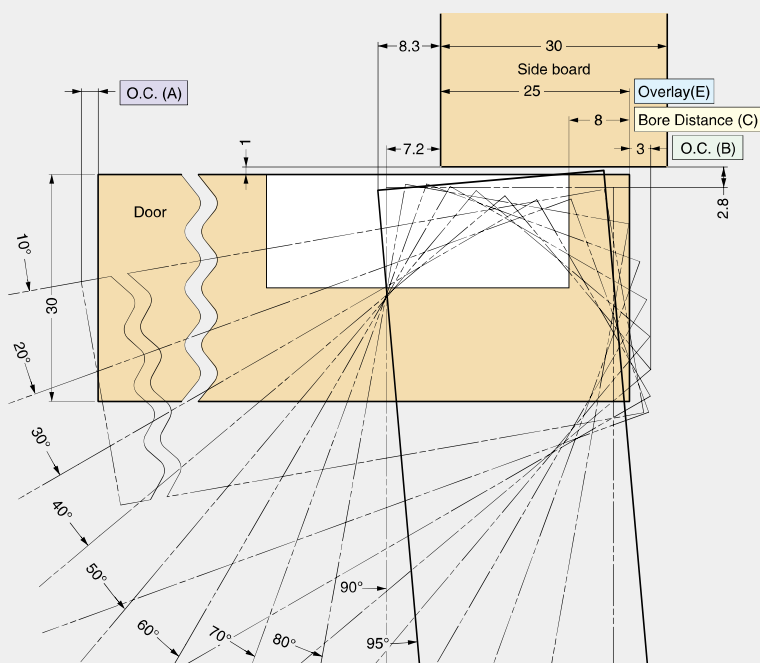
- Mounting plate (P.368)
- Face plate for glass door (P.373)
- Safety cover (P.373)
- Cover for mounting plate (P.373)

• Outline drawing



Drawing above is J95-C24/25T, J95-24/25T snapped on to mounting plate J95-P6T: Bore Distance 8 mm, Door Thickness 30 mm and 25 mm Overlay.

• Locus chart



Drawing above is Bore Distance 8 mm, Door Thickness 30 mm, Side Board Thickness 30 mm and 25 mm Overlay.

Bore Distance (C)

Bore Distance (C)	3	4	5	6	7	8
Overlay (E)	20	21	22	23	24	25

Overlay adjustment (- 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)

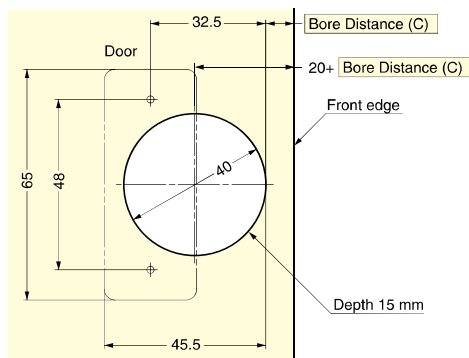
Door Thickness (D)	Bore Distance (C)					
	3	4	5	6	7	8
18	0.3	0.3	0.3	0.3	0.3	0.3
20	0.5	0.5	0.5	0.5	0.5	0.5
22	0.8	0.8	0.8	0.7	0.7	0.7
24	1.1	1.1	1.1	1.1	1.1	1.0
26	1.7	1.6	1.6	1.5	1.5	1.5
28	3.2	2.8	2.5	2.2	2.1	2.0
30	5.0	4.5	4.0	3.6	3.3	3.0
32	6.8	6.2	5.7	5.2	4.8	4.4
34	8.6	8.0	7.5	6.9	6.5	6.0
O.C.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

Please refer to the locus chart if door thickness is over 30 mm.

O.C. (A)

Door Thickness (D) 30	Door Width						
	300	400	500	600	700	800	900
	0.50	0.30	0.30	0.20	0.20	0.20	0.20
	O.C. (A)						

Cut Out Dimensions



- Recommended screw
Size 5 raised countersunk head tapping screw or wood screw.

Door Dimensions and Number of Hinges

Please refer to P.368.

160° Opening

Overlay: 25 mm

Overlay Range: 21 - 25 mm
(when the bore distance is 8 mm)

Recommended Door Thickness:
18 - 36 mm

WIDE-ANGLE HEAVY-DUTY CONCEALED HINGE J160 Built-in Damper



- The built-in damper allows doors to close slowly providing premium door motion.
- Comes with a mounting plate and screw covers.

[Specification]

- 3-way adjustment of door position is available as below:
 - Depth : +1.5 mm / -2.5 mm
 - Vertical : ±3 mm
 - Overlay (horizontal) : +0 mm / -4 mm

[Remarks]

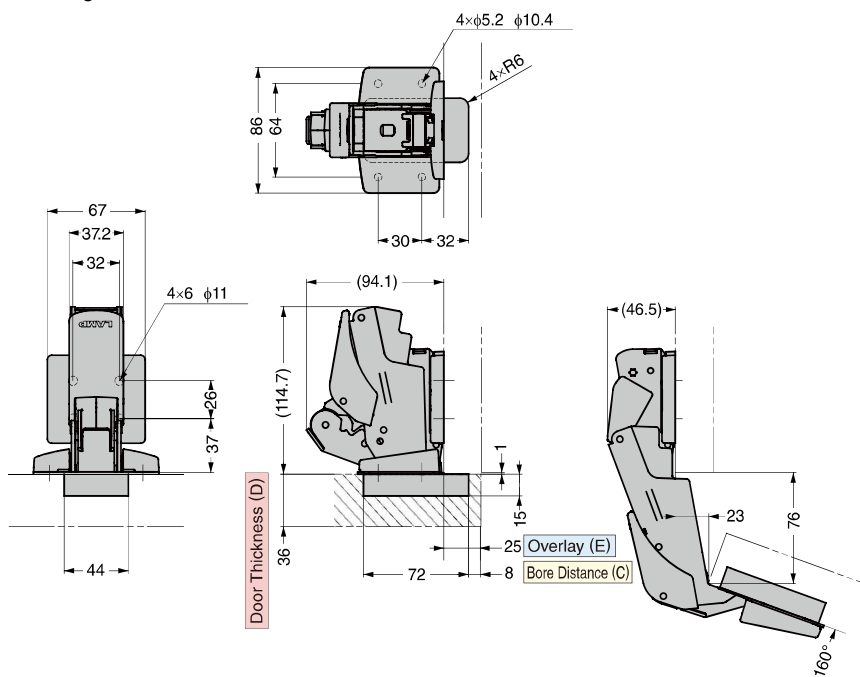
- Comes with a red holding pin which holds the hinge angle. Please do not detach it until the hinge is installed
- Please do not open and close the hinge while the holding pin is attached.

[Parts Included]

- Cross-recessed raised countersunk tapping screw 5×18

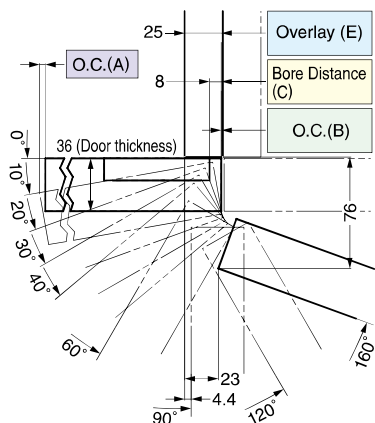
RoHS	CAD	Item Code	Item Name	Specification	Material	Finish	Weight (g)	Carton (pcs)
2030	2030	160-044-973	J160-D22-25T-NI	Built-in Damper	Steel, Zinc Alloy (ZDC), Glass Filled Polyamide (PA)	Nickel	710	50
2030	2030	160-044-974	J160-D22-25T-BN			Black Nickel	710	50

[Drawing]



[Locus Chart]

(How to use the locus chart 1)



[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
34 and under	0.1 and under					
36	0.2	0.2	0.2	0.2	0.2	0.2
38*	0.5	0.5	0.5	0.5	0.6	0.6
40*	1.0	1.0	1.1	1.2	1.3	1.4
O.C. (B)						

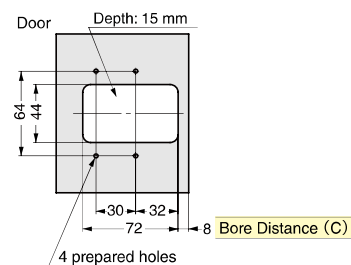
*Please refer to the locus chart if door thickness is over 36 mm. (O.C. (B) can be made smaller by R chamfering (round chamfer) or C chamfering (chamfer plane) on the door)

[O.C. (A)]

Table-3

Door Thickness (D)	Door Width					
	300	400	500	600	700	800
20	1.6	1.2	1.0	0.8	0.7	0.6
30	1.9	1.4	1.2	1.0	0.8	0.7
36	1.9	1.5	1.2	1.0	0.8	0.7
O.C. (A)						

[Cut Out Dimensions]



[Door Dimensions and Number of Hinges] 2

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 (P.368)



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

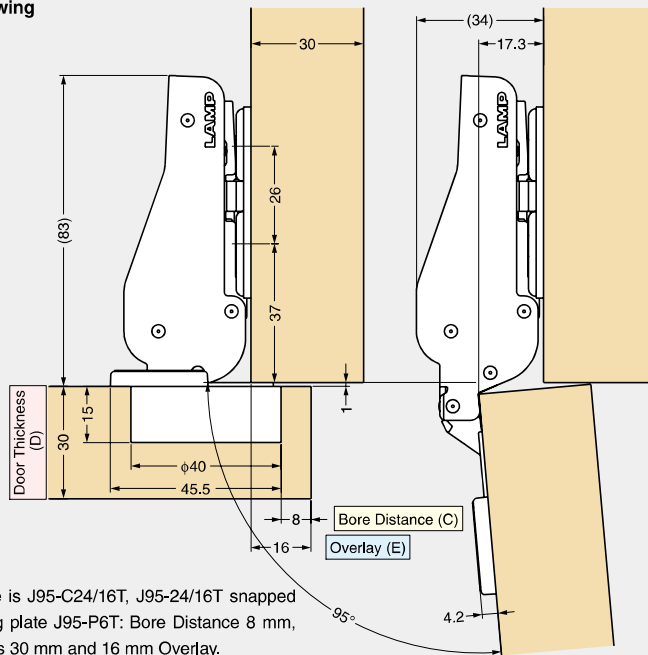
Features

- 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

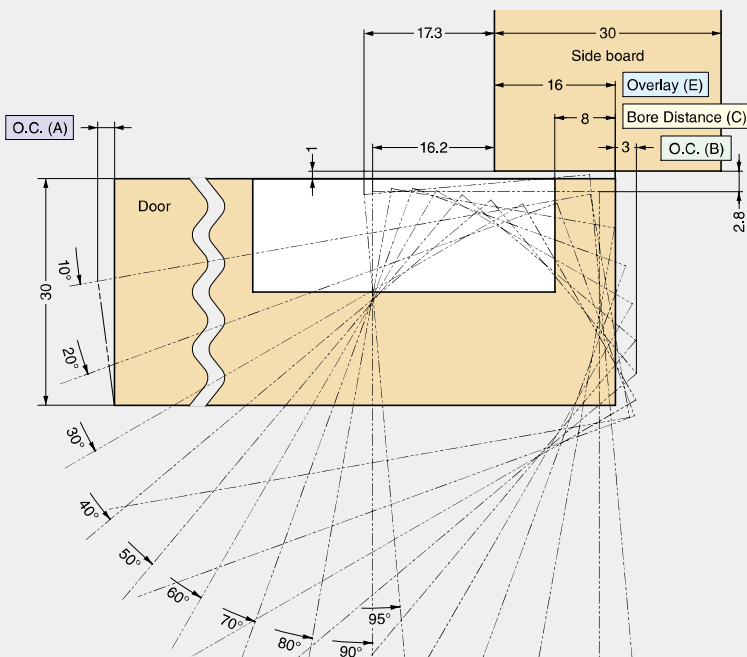
- Mounting plate (P.368)
- Face plate for glass door (P.373)
- Safety cover (P.373)
- Cover for mounting plate (P.373)

• Outline drawing



Drawing above is J95-C24/16T, J95-24/16T snapped on to mounting plate J95-P6T: Bore Distance 8 mm, Door Thickness 30 mm and 16 mm Overlay.

• Locus chart



Drawing above is Bore Distance 8 mm, Door Thickness 30 mm, Side Board Thickness 30 mm and 16 mm Overlay.

Bore Distance (C)

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)

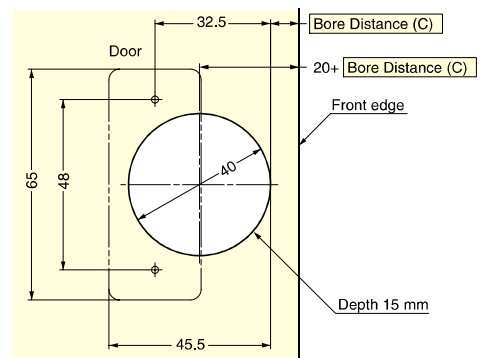
Door Thickness (D)	Bore Distance (C)					
	3	4	5	6	7	8
18	0.3	0.3	0.3	0.3	0.3	0.3
20	0.5	0.5	0.5	0.5	0.5	0.5
22	0.8	0.8	0.8	0.7	0.7	0.7
24	1.1	1.1	1.1	1.1	1.1	1.0
26	1.7	1.6	1.6	1.5	1.5	1.5
28	3.2	2.8	2.5	2.2	2.1	2.0
30	5.0	4.5	4.0	3.6	3.3	3.0
32	6.8	6.2	5.7	5.2	4.8	4.4
34	8.6	8.0	7.5	6.9	6.5	6.0
O.C.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

Please refer to the locus chart if door thickness is over 30 mm.

O.C. (A)

Door Thickness (D)	Door Width						
	300	400	500	600	700	800	900
20	0.50	0.30	0.30	0.20	0.20	0.20	0.20
O.C. (A)							

Cut Out Dimensions



• Recommended screw

Size 5 raised countersunk head tapping screw or wood screw.

Door Dimensions and Number of Hinges

Please refer to P.368.

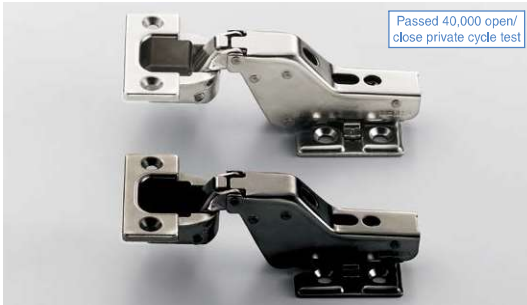
93° Opening

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 (P.368)



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/OT	w/o Catch	Body/Steel, Cup/Zinc Alloy (ZDC)	Nickel	148 g	50 pcs
160-033-659	J95-C24/OT	w/ Catch		Nickel	160 g	50 pcs
160-034-921	J95-24/OT BN	w/o Catch		Black	148 g	50 pcs
160-034-918	J95-C24/OT BN	w/ Catch		Nickel	160 g	50 pcs

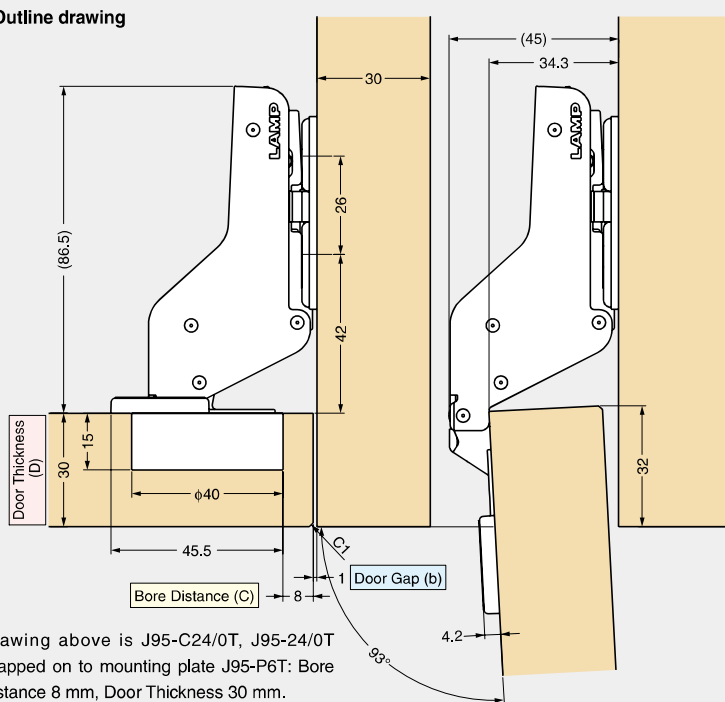
Features

- 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

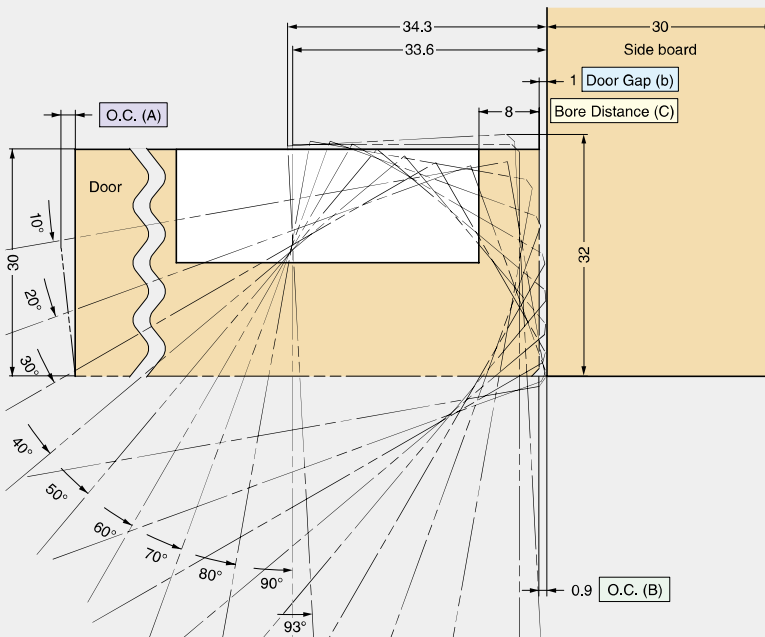
- Mounting Plate (P.368)
- Face plate for glass door (P.373)
- Safety cover (P.373)
- Cover for mounting plate (P.373)

• Outline drawing



Drawing above is J95-C24/OT, J95-24/OT snapped on to mounting plate J95-P6T: Bore Distance 8 mm, Door Thickness 30 mm.

• Locus chart



Drawing above is J95-C24/OT Bore Distance 8 mm, Door Thickness 30 mm, Side Board Thickness 30 mm.

Bore Distance (C)

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

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)

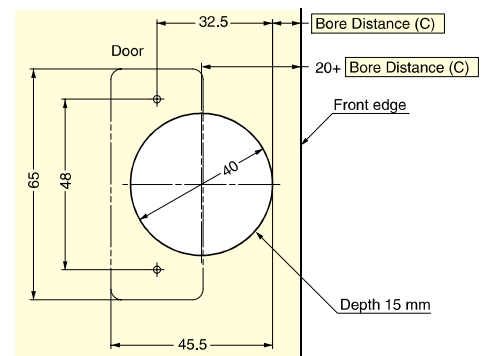
Door Thickness (D)	Bore Distance (C)					
	3	4	5	6	7	8
18	0	0	0	0	0	0
20	0	0	0	0	0	0
22	0.1	0.1	0.1	0.1	0	0.1
24	0.1	0.1	0.1	0.1	0.1	0.1
26	0.3	0.3	0.3	0.3	0.3	0.3
28	1.7	1.1	0.6	0.5	0.5	0.5
30	3.5	2.9	2.3	1.8	1.0	0.9
32	5.4	4.7	4.1	3.6	3.0	2.5
34	7.3	6.6	6.0	5.4	4.8	4.3
O.C. (B)						

Please refer to the locus chart if door thickness is over 30 mm.

O.C. (A)

Door Thickness (D)	Door Width						
	300	400	500	600	700	800	900
20	0.90	0.60	0.50	0.40	0.40	0.30	0.30
O.C. (A)							

Cut Out Dimensions



• Recommended screw

Size 5 raised countersunk head tapping screw or wood screw.

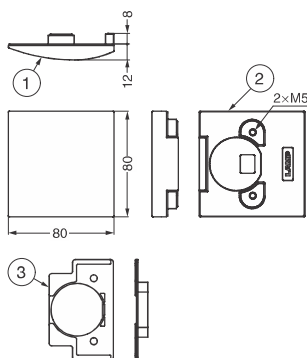
Door Dimensions and Number of Hinges

Please refer to P.368.

FACE PLATE FOR GLASS DOOR



GH-J95FP



J95 Application



Parts Included

Countersunk head screw M5x18

Sold Separately

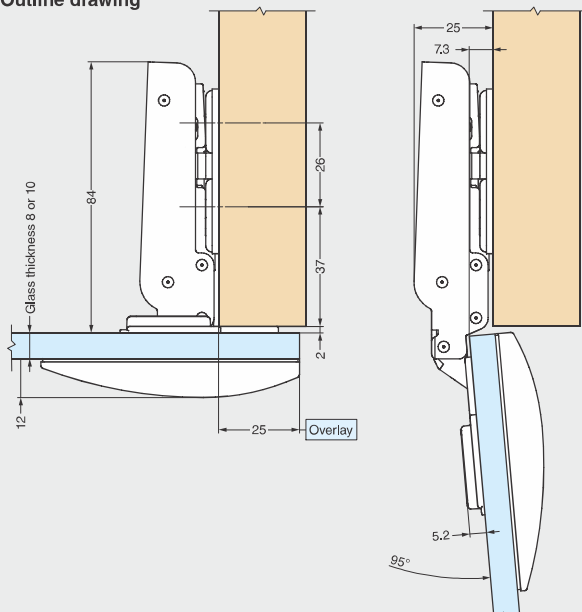
- Heavy duty concealed hinge J95 (P.368 - 371).
- Mounting plate J95-P6T (P.368)

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

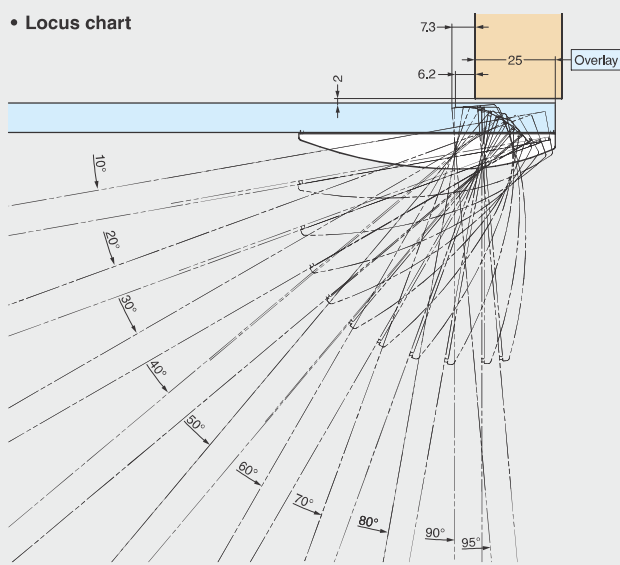
*Black Nickel will be available soon.

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
160-043-378	GH-J95FP-BL		Black		20 pcs

• Outline drawing



• Locus chart



Example (glass thickness : 8 mm / side board : 27 mm / overlay : 25 mm)

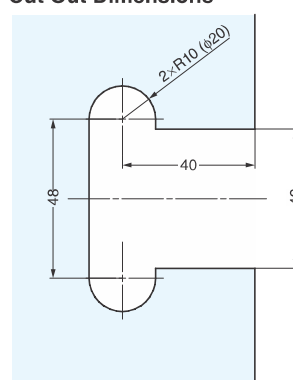


Opening Clearance

Hinge side = 0 mm

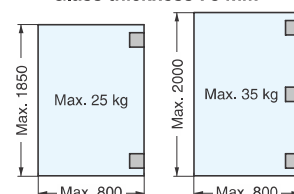
Handle side = 0 mm

Cut Out Dimensions

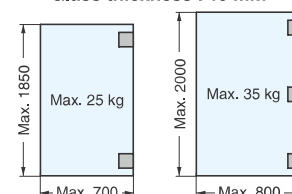


Door Dimensions and Number of Hinges

Glass thickness : 8 mm

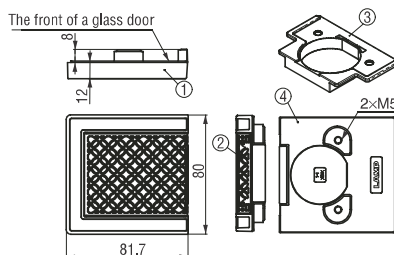


Glass thickness : 10 mm



FACE PLATE FOR GLASS DOOR

GH-J95FP-Q1



Parts Included

Countersunk head screw M5×18

Sold Separately

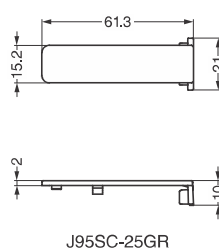
- Heavy duty concealed hinge J95 (P.368 - 371).
- Mounting plate J95-P6T (P.368)

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

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

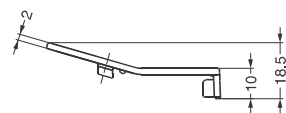
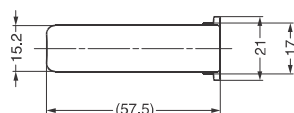
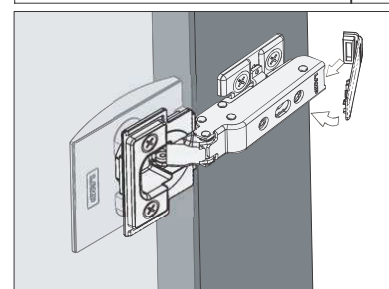
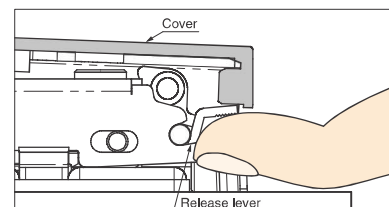
SAFETY COVER

J95SC

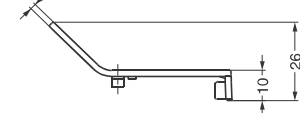
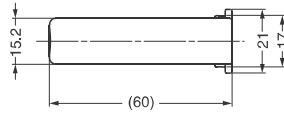


Features

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



J95SC-16GR

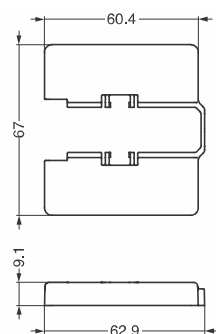
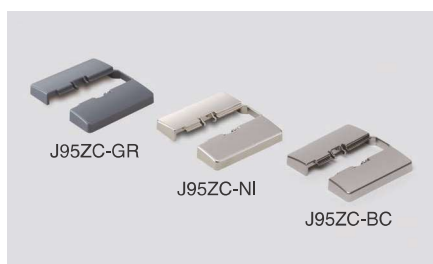


J95SC-0GR

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
160-044-249	J95SC-25BC	J95-(C)24/25	ABS	3 g	Black Chrome	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
160-044-250	J95SC-16BC	J95-(C)24/16	ABS	3 g	Black Chrome	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
160-044-251	J95SC-0BC	J95-(C)24/0	ABS	3 g	Black Chrome	500 pcs

COVER FOR MOUNTING PLATE

J95ZC



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
160-044-252	J95ZC-BC	J95-P6T	ABS	9 g	500 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

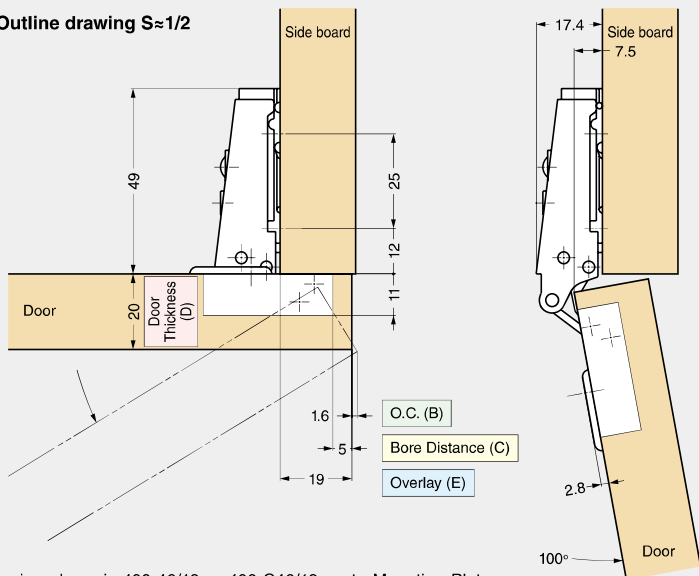
Screw mount.

Sold Separately

Stainless steel 100 series mounting plate (P.377)

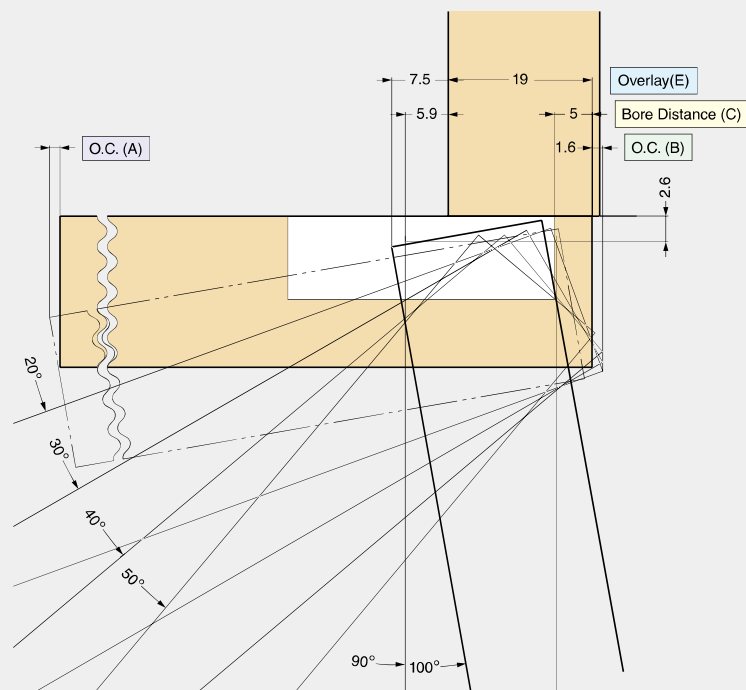
Picture above is the combination of concealed hinge and mounting plate.

• Outline drawing S $\approx$ 1/2



Drawing above is 100-46/19 or 100-C46/19 on to Mounting Plate 100-P3A: Bore Distance 5 mm, Door Thickness 20 mm and 19 mm Overlay.

• Locus chart S $\approx$ 1/1



Drawing above is Bore Distance 5 mm, Door Thickness 20 mm, Side Board Thickness 20 mm and 19 mm Overlay.

Bore Distance (C)

Bore Distance (C)	3	4	5
Overlay (E)	17	18	19

For standard type mounting plate 0 mm thickness.

Turning the overlay adjustment screw or using distance plate (2 mm thickness) to adjust overlay (Max. - 6 mm).

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)

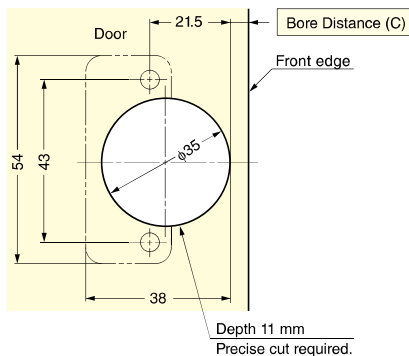
Door Thickness (D)	Bore Distance (C)		
	3	4	5
15	0.5	0.5	0.4
16	0.6	0.6	0.6
17	0.9	0.8	0.8
18	1.1	1.1	1.0
19	1.4	1.3	1.3
20	1.7	1.6	1.6
21	2.1	2.0	1.9
22	2.5	2.4	2.3
O.C. (B)			

Please refer to the locus chart if door thickness is over 20 mm.

O.C. (A)

Door Thickness (D)	Door Width			
	300	400	500	600
20	0.2	0.1	0.1	0.1
O.C. (A)				

Cut Out Dimensions



• Recommended screw

Size 3.5 raised countersunk head tapping screw or wood screw.

Door Dimensions and Number of Hinges

Please refer to P.394.

100° Opening

14 mm Overlay

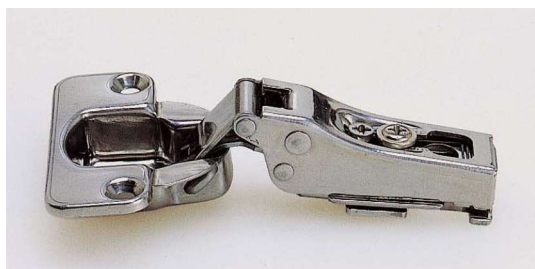
Overlay
10 - 14 mm

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

Stainless Steel Mounting Plate
100 Series (P.377)

STAINLESS
304
STEEL

100



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

CONCEALED HINGE (STAINLESS STEEL)

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.

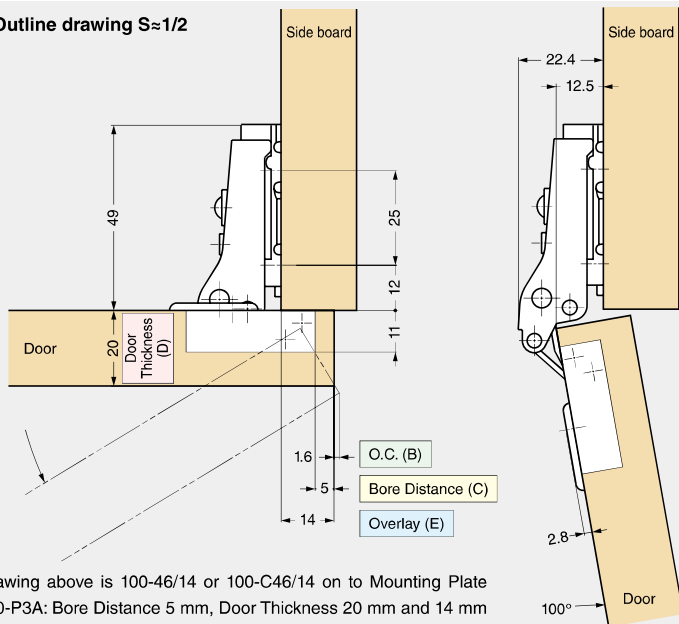
Sold Separately

Stainless steel 100 series mounting plate (P.377)

HINGES

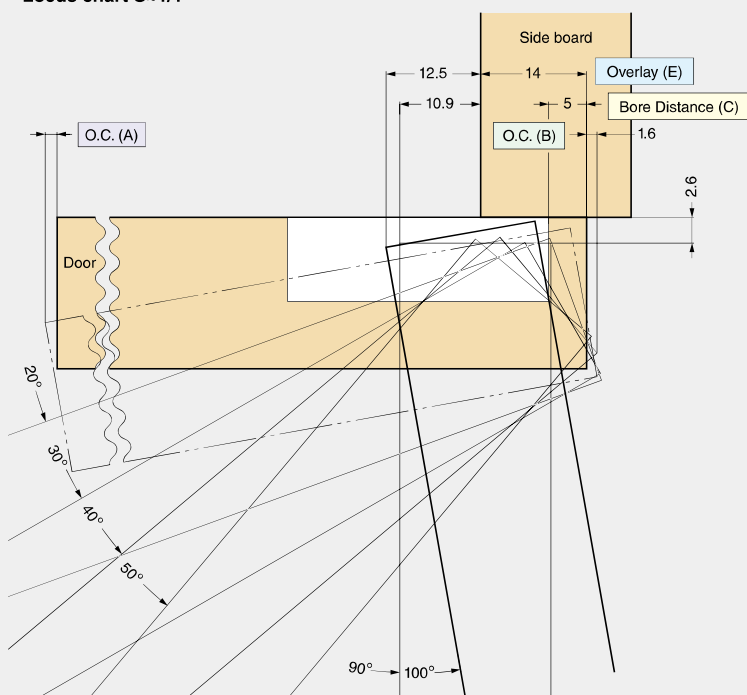
CONCEALED HINGE (STAINLESS STEEL)

• Outline drawing S≈1/2



Drawing above is 100-46/14 or 100-C46/14 on to Mounting Plate 100-P3A: Bore Distance 5 mm, Door Thickness 20 mm and 14 mm Overlay.

• Locus chart S≈1/1



Drawing above is Bore Distance 5 mm, Door Thickness 20 mm, Side Board Thickness 20 mm and 14 mm Overlay.

Bore Distance (C)

Bore Distance (C)	3	4	5
Overlay (E)	12	13	14

For standard type mounting plate 0 mm thickness.

Turning the overlay adjustment screw or using distance plate (2 mm thickness) to adjust overlay (Max. - 6 mm).

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)

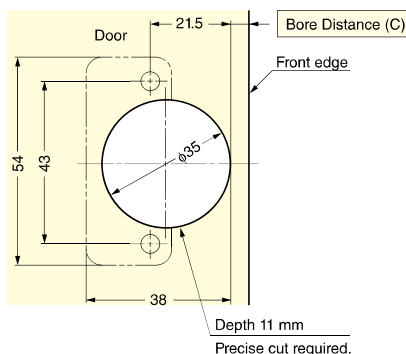
Door Thickness (D)	Bore Distance (C)		
	3	4	5
15	0.5	0.5	0.4
16	0.6	0.6	0.6
17	0.9	0.8	0.8
18	1.1	1.1	1.0
19	1.4	1.3	1.3
20	1.7	1.6	1.6
21	2.1	2.0	1.9
22	2.5	2.4	2.3
O.C. (B)			

Please refer to the locus chart if door thickness is over 20 mm.

O.C. (A)

Door Thickness (D)	Door Width			
	300	400	500	600
20	0.2	0.1	0.1	0.1
O.C. (A)				

Cut Out Dimensions



• Recommended screw

Size 3.5 raised countersunk head tapping screw or wood screw.

Door Dimensions and Number of Hinges

Please refer to P.394.

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

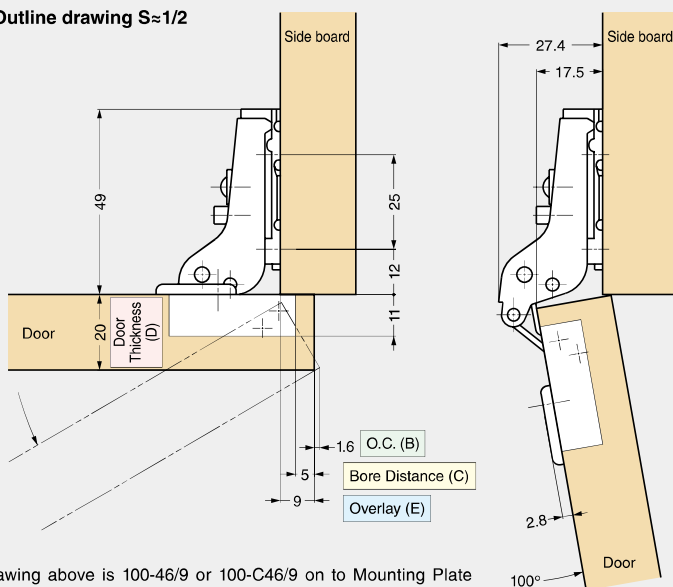
Screw mount.

Sold Separately

Stainless steel 100 series mounting plate (P.377)

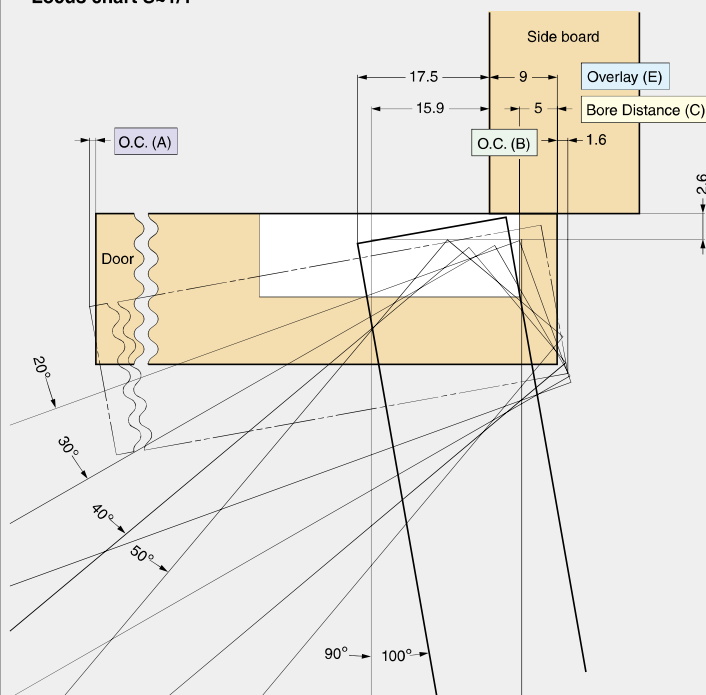
Picture above is the combination of concealed hinge and mounting plate.

• Outline drawing S≈1/2



Drawing above is 100-46/9 or 100-C46/9 on to Mounting Plate 100-P3A: Bore Distance 5 mm, Door Thickness 20 mm and 9 mm Overlay.

• Locus chart S≈1/1



Drawing above is Bore Distance 5 mm, Door Thickness 20 mm, Side Board Thickness 20 mm and 9 mm Overlay.

Bore Distance (C)

Bore Distance (C)	3	4	5
Overlay (E)	7	8	9

For standard type mounting plate 0 mm thickness.

Turning the overlay adjustment screw or using distance plate (2 mm thickness) to adjust overlay (Max. - 6 mm).

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 tables and charts below when designing cabinets.

O.C. (B)

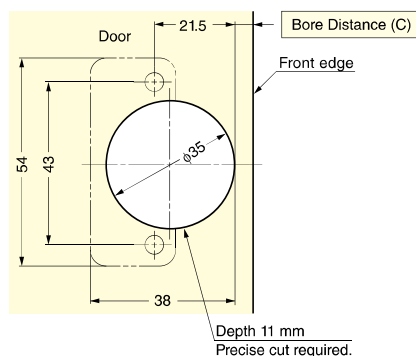
Door Thickness (D)	Bore Distance (C)		
	3	4	5
15	0.5	0.5	0.4
16	0.6	0.6	0.6
17	0.9	0.8	0.8
18	1.1	1.1	1.0
19	1.4	1.3	1.3
20	1.7	1.6	1.6
21	2.1	2.0	1.9
22	2.5	2.4	2.3
O.C. (B)			

Please refer to the locus chart if door thickness is over 20 mm.

O.C. (A)

Door Thickness (D)	Door Width			
	300	400	500	600
20	0.2	0.1	0.1	0.1
O.C. (A)				

Cut Out Dimensions



• Recommended screw

Size 3.5 raised countersunk head tapping screw or wood screw.

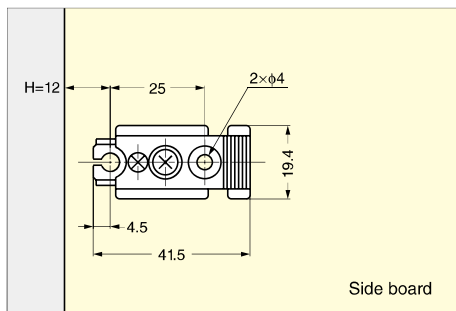
Door Dimensions and Number of Hinges

STAINLESS STEEL MOUNTING PLATE 100 SERIES

STANDARD TYPE

STAINLESS
304
STEEL

100-P3A-SUS304B



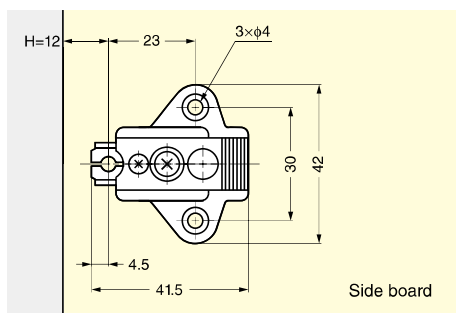
Standard height: 0 mm

Item Code	Item Name	Material	Finish	Weight	Carton
160-074-155	100-P3A-SUS304B	Stainless Steel (SUS304)	Polished	22 g	400 pcs

SYSTEM 35, 30 TYPE

STAINLESS
304
STEEL

100-P4A-30-SUS304B



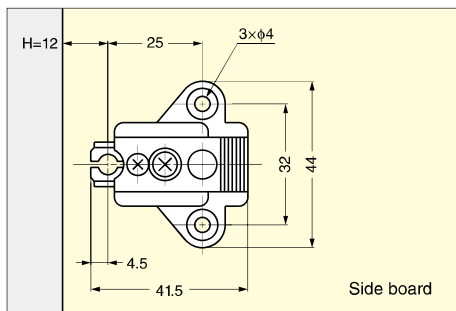
Standard height: 0 mm

Item Code	Item Name	Material	Finish	Weight	Carton
160-074-152	100-P4A-30-SUS304B	Stainless Steel (SUS304)	Polished	26 g	400 pcs

SYSTEM 37, 32 TYPE

STAINLESS
304
STEEL

100-P4A-32-SUS304B



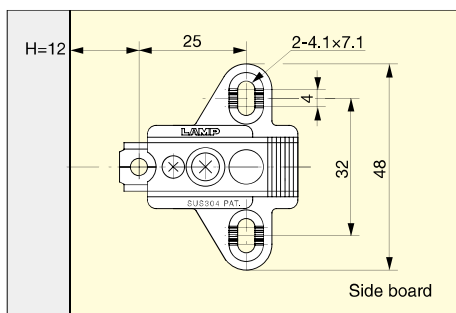
Standard height: 0 mm

Item Code	Item Name	Material	Finish	Weight	Carton
160-074-149	100-P4A-32-SUS304B	Stainless Steel (SUS304)	Polished	27 g	400 pcs

SYSTEM 37, 32 TYPE

STAINLESS
304
STEEL

100-P4A/32-3WAY-SUS304B



Standard height: 0 mm

Item Code	Item Name	Material	Finish	Weight	Carton
160-079-044	100-P4A/32-3WAY-SUS304B	Stainless Steel (SUS304)	Polished	26 g	400 pcs

HINGES

STAINLESS STEEL MOUNTING PLATE 100 SERIES

120° Opening

19 mm Overlay

Overlay
14 - 19 mm

Cup Dia Φ 35 Bore Depth 13.5 mm
Door Thickness 17 - 20 mm

Mounting Plate 100 Series
(P.389-392)

CONCEALED HINGE

120



Item Code	Item Name	Type	Material	Finish	Weight	Carton
160-073-930	120-34/19	w/o Catch	Body/Steel, Cup/Zinc Alloy (ZDC)	Chrome	65 g	200 pcs
160-073-935	120-C34/19	w/ Catch	Body/Steel, Cup/Zinc Alloy (ZDC)	Chrome	69 g	200 pcs

Features

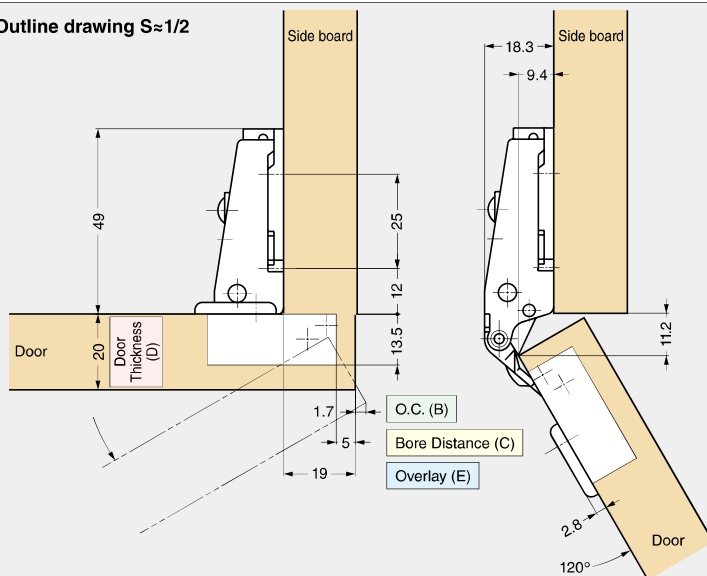
Screw mount.

Sold Separately

100 series mounting plate (P.389-392).

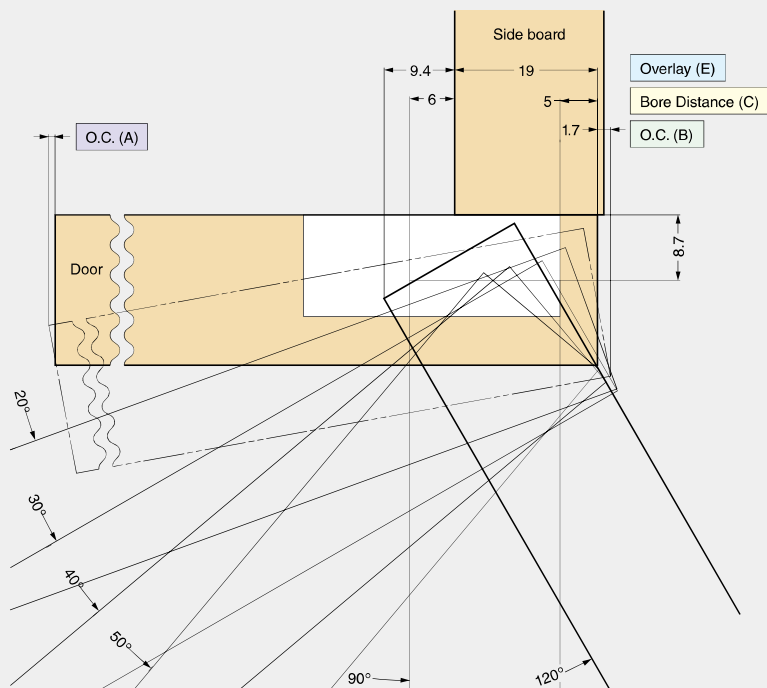
Picture above is the combination of concealed hinge and mounting plate.

• Outline drawing S≈1/2



Drawing above is 120-34/19 or 120-C34/19 on to Mounting Plate 100-03A: Bore Distance 5 mm, Door Thickness 20 mm and 19 mm Overlay.

• Locus chart S≈1/1



Drawing above is Bore Distance 5 mm, Door Thickness 20 mm, Side Board Thickness 20 mm and 19 mm Overlay.

Bore Distance (C)

Bore Distance (C)	3	4	5
Overlay (E)	17	18	19

For standard type mounting plate 0 mm thickness.

Turning the overlay adjustment screw or using distance plate (2 mm thickness) to adjust overlay (Max. - 6 mm).

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)

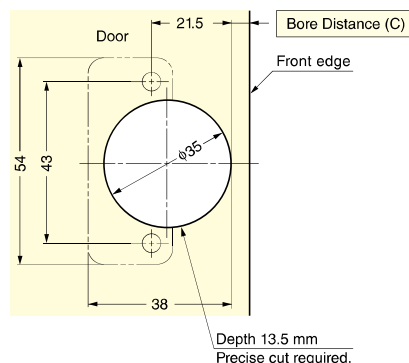
Door Thickness (D)	Bore Distance (C)		
	3	4	5
17	1.1	1.1	1.1
18	1.3	1.3	1.3
19	1.5	1.5	1.5
20	2.7	2.0	1.7
21	4.5	3.7	2.7
22	6.5	5.5	4.5
O.C. (B)			

Please refer to the locus chart if door thickness is over 20 mm.

O.C. (A)

Door Thickness (D)	Door Width			
	300	400	500	600
20	0.1	0.1	0.1	0.1
O.C. (A)				

Cut Out Dimensions



- Recommended screw
Size 3.5 raised countersunk head tapping screw or wood screw.

Door Dimensions and Number of Hinges

120° Opening

14 mm Overlay

Overlay
9 - 14 mm

Cup Dia Φ 35 Bore Depth 13.5 mm
Door Thickness 17 - 20 mm

Mounting Plate 100 Series
(P.389-392)



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

CONCEALED HINGE

120

Item Code	Item Name	Type	Material	Finish	Weight	Carton
160-073-931	120-34/14	w/o Catch	Body/Steel, Cup/Zinc Alloy (ZDC)	Chrome	65 g	200 pcs
160-073-936	120-C34/14	w/ Catch	Body/Steel, Cup/Zinc Alloy (ZDC)	Chrome	69 g	200 pcs

Features

Screw mount.

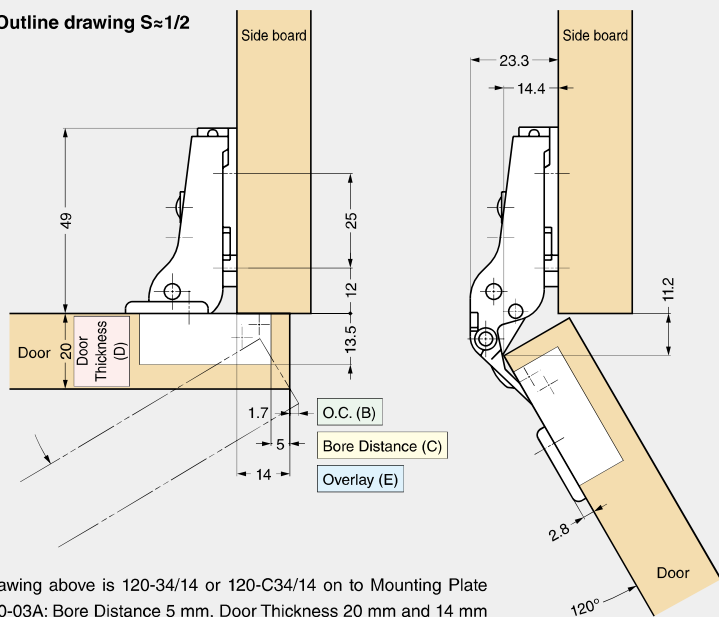
Sold Separately

100 series mounting plate (P.389-392).

HINGES

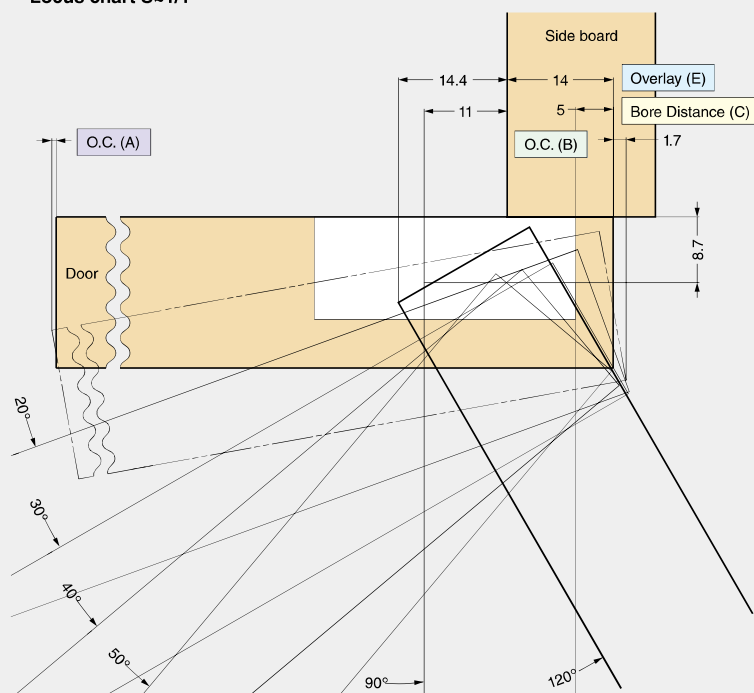
CONCEALED HINGE

• Outline drawing S≈1/2



Drawing above is 120-34/14 or 120-C34/14 on to Mounting Plate 100-03A: Bore Distance 5 mm, Door Thickness 20 mm and 14 mm Overlay.

• Locus chart S≈1/1



Drawing above is Bore Distance 5 mm, Door Thickness 20 mm, Side Board Thickness 20 mm and 14 mm Overlay.

Bore Distance (C)

Bore Distance (C)	3	4	5
Overlay (E)	12	13	14

For standard type mounting plate 0 mm thickness.

Turning the overlay adjustment screw or using distance plate (2 mm thickness) to adjust overlay (Max. - 6 mm).

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)

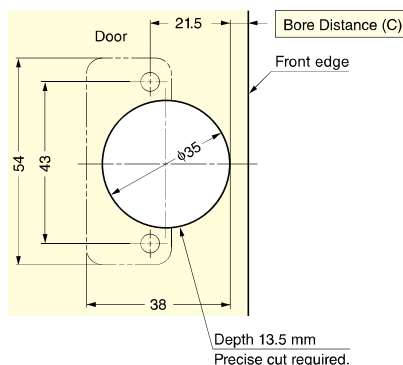
Door Thickness (D)	Bore Distance (C)		
	3	4	5
17	1.1	1.1	1.1
18	1.3	1.3	1.3
19	1.5	1.5	1.5
20	2.7	2.0	1.7
21	4.5	3.7	2.7
22	6.5	5.5	4.5
	O.C. (B)		

Please refer to the locus chart if door thickness is over 20 mm.

O.C. (A)

Door Thickness (D)	Door Width			
20	300	400	500	600
	0.1	0.1	0.1	0.1
	O.C. (A)			

Cut Out Dimensions



• Recommended screw

Size 3.5 raised countersunk head tapping screw or wood screw.

Door Dimensions and Number of Hinges

120° Opening

9 mm Overlay

Overlay
4 - 9 mm

Cup Dia Φ 35 Bore Depth 13.5 mm
Door Thickness 17 - 20 mm

Mounting Plate 100 Series
(P.389-392)

CONCEALED HINGE

120



Item Code	Item Name	Type	Material	Finish	Weight	Carton
160-073-932	120-34/9	w/o Catch	Body/Steel, Cup/Zinc Alloy (ZDC)	Chrome	66 g	200 pcs
160-073-937	120-C34/9	w/ Catch	Body/Steel, Cup/Zinc Alloy (ZDC)	Chrome	72 g	200 pcs

Features

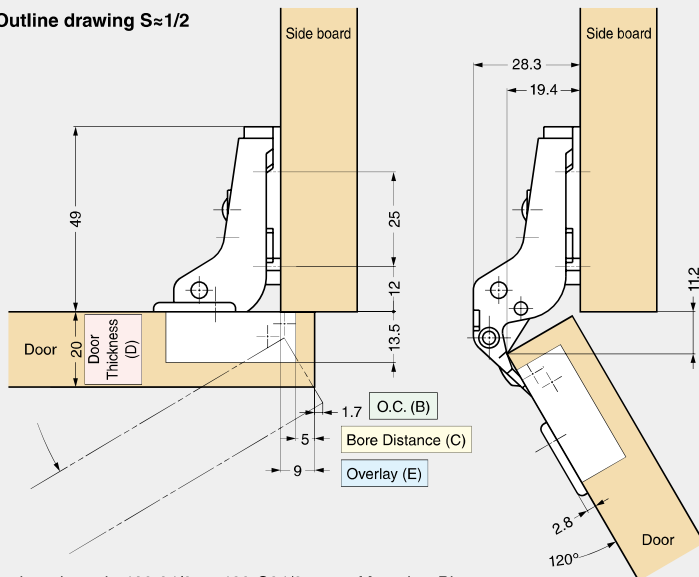
Screw mount.

Sold Separately

100 series mounting plate (P.389-392).

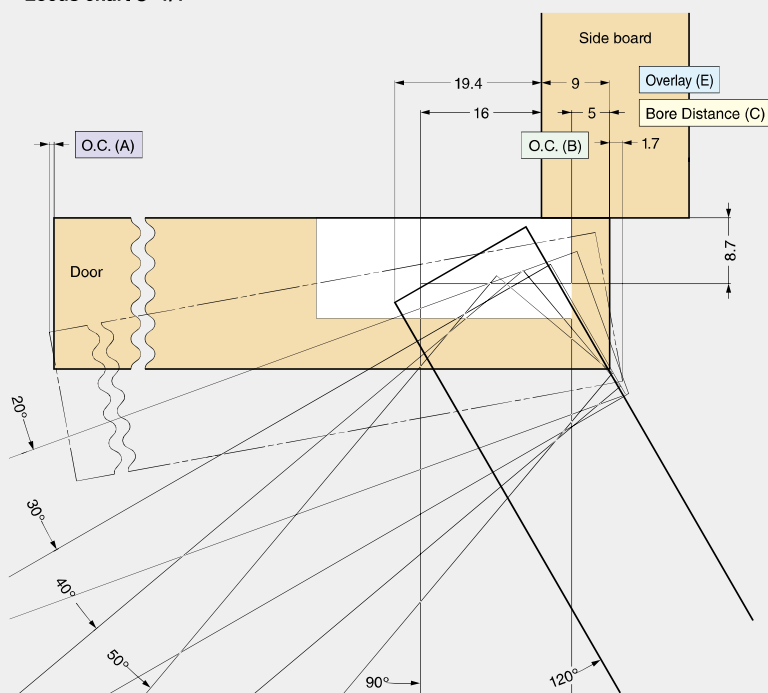
Picture above is the combination of concealed hinge and mounting plate.

• Outline drawing S≈1/2



Drawing above is 120-34/9 or 120-C34/9 on to Mounting Plate 100-03A: Bore Distance 5 mm, Door Thickness 20 mm and 9 mm Overlay.

• Locus chart S≈1/1



Drawing above is Bore Distance 5 mm, Door Thickness 20 mm, Side Board Thickness 20 mm and 9 mm Overlay.

Bore Distance (C)

Bore Distance (C)	3	4	5
Overlay (E)	7	8	9

For standard type mounting plate 0 mm thickness.

Turning the overlay adjustment screw or using distance plate (2 mm thickness) to adjust overlay (Max. - 6 mm).

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)

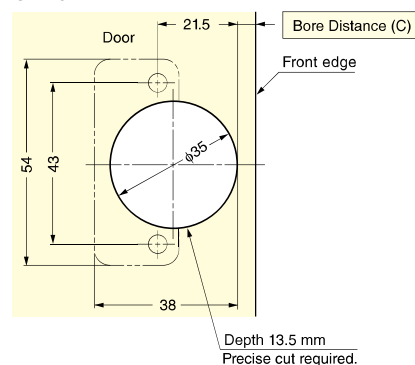
Door Thickness (D)	Bore Distance (C)		
	3	4	5
17	1.1	1.1	1.1
18	1.3	1.3	1.3
19	1.5	1.5	1.5
20	2.7	2.0	1.7
21	4.5	3.7	2.7
22	6.5	5.5	4.5
O.C. (B)			

Please refer to the locus chart if door thickness is over 20 mm.

O.C. (A)

Door Thickness (D)	Door Width			
	300	400	500	600
20	0.1	0.1	0.1	0.1
O.C. (A)				

Cut Out Dimensions



• Recommended screw

Size 3.5 raised countersunk head tapping screw or wood screw.

Door Dimensions and Number of Hinges

110° Opening

Inset

Cup Dia Φ 35 Bore Depth 13.5 mm
Door Thickness 17 - 20 mm

Mounting Plate 100 Series
(P.389-392)



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

CONCEALED HINGE

120

Item Code	Item Name	Type	Material	Finish	Weight	Carton
160-073-933	120-34/0	w/o Catch	Zinc Alloy (ZDC)	Chrome	73 g	200 pcs
160-073-938	120-C34/0	w/ Catch	Zinc Alloy (ZDC)	Chrome	79 g	200 pcs

Features

Screw mount.

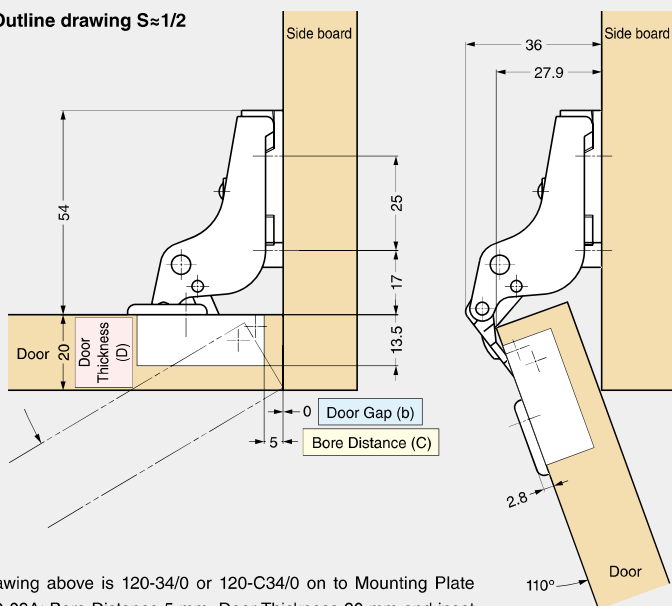
Sold Separately

100 series mounting plate (P.389-392).

HINGES

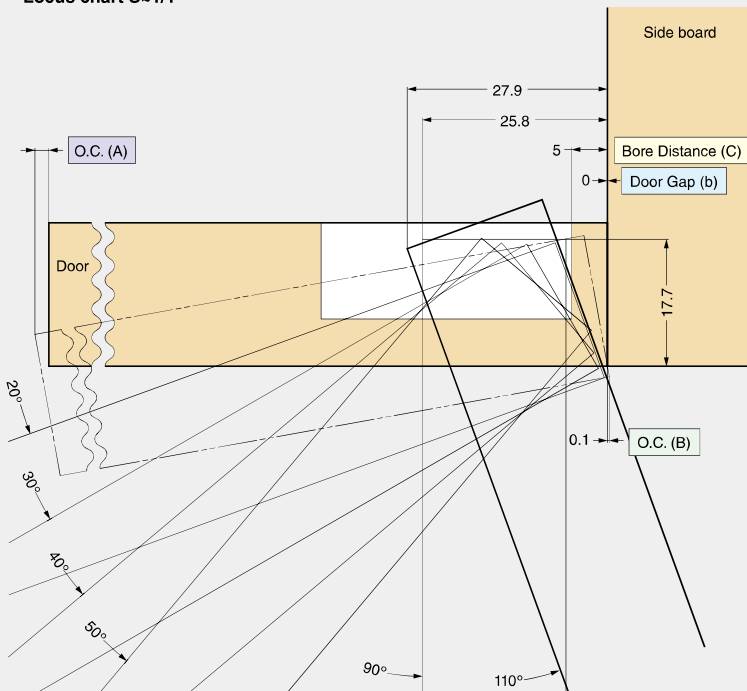
CONCEALED HINGE

• Outline drawing S≈1/2



Drawing above is 120-34/0 or 120-C34/0 on to Mounting Plate 100-03A: Bore Distance 5 mm, Door Thickness 20 mm and inset use.

• Locus chart S≈1/1



Drawing above is Bore Distance 5 mm, Door Thickness 20 mm, Side Board Thickness 20 mm and inset type.

Bore Distance (C)

Bore Distance (C)	3	4	5
Door Gap (b)	2	1	0

For standard type mounting plate 0 mm thickness.

Turning the overlay adjustment screw to adjust the gap.

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)

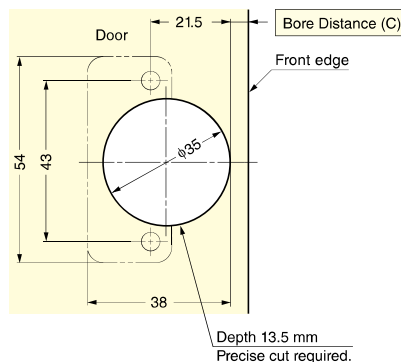
Door Thickness (D)	Bore Distance (C)		
	3	4	5
17	0.1	0.1	0.1
18	0.1	0.1	0.1
19	0.5	0.1	0.1
20	2.0	1.0	0.1
21	3.5	2.6	1.5
22	5.0	4.0	3.0
O.C. (B)			

Please refer to the locus chart if door thickness is over 20 mm.

O.C. (A)

Door Thickness (D)	Door Width			
	300	400	500	600
20	0.55	0.4	0.35	0.3
O.C. (A)				

Cut Out Dimensions



• Recommended screw

Size 3.5 raised countersunk head tapping screw or wood screw.

Door Dimensions and Number of Hinges

160° Opening

28 mm Overlay

Overlay
19 - 28 mm

Cup Dia Φ 40 Bore Depth 15 mm
Door Thickness 18 - 34 mm

Mounting Plate 100 Series
(P.389-392)

CONCEALED HINGE

H160



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

Item Code	Item Name	Type	Material	Finish	Weight	Carton
160-073-620	H160-34/28	w/o Catch	Body/Steel, Cup/Zinc Alloy (ZDC)	Chrome	182 g	100 pcs
160-073-630	H160-C34/28	w/ Catch	Body/Steel, Cup/Zinc Alloy (ZDC)	Chrome	195 g	100 pcs

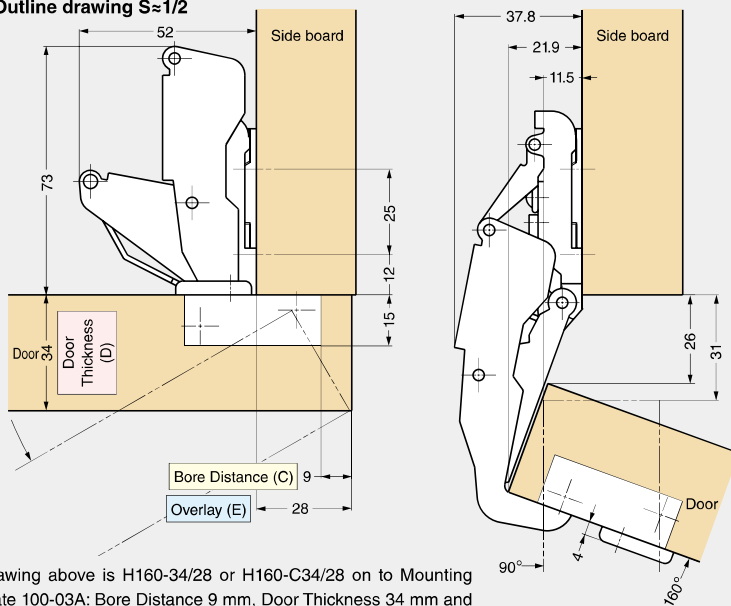
Features

Screw mount.

Sold Separately

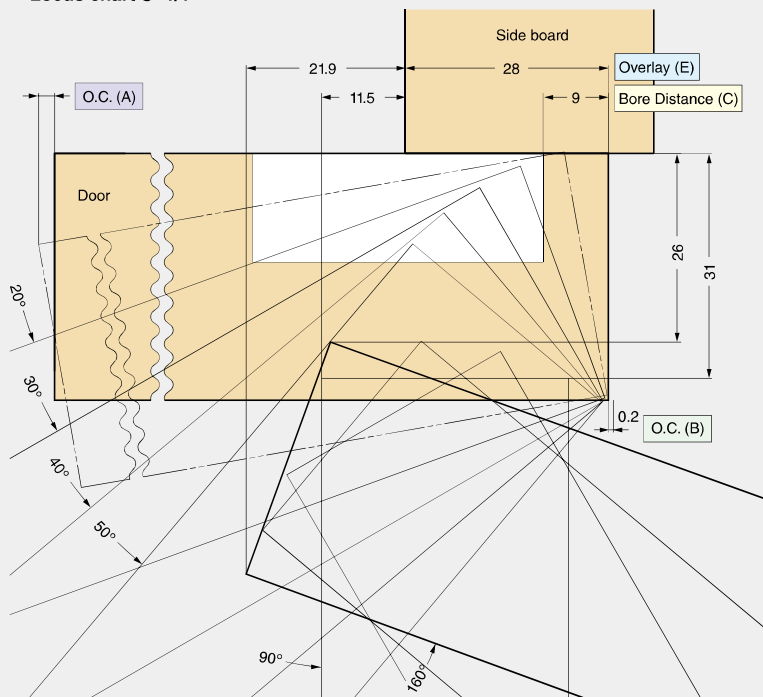
100 series mounting plate (P.389-392).

• Outline drawing S≈1/2



Drawing above is H160-34/28 or H160-C34/28 on to Mounting Plate 100-03A: Bore Distance 9 mm, Door Thickness 34 mm and 28 mm Overlay.

• Locus chart S≈1/1



Drawing above is Bore Distance 9 mm, Door Thickness 34 mm, Side Board Thickness 34 mm and 28 mm Overlay.

Bore Distance (C)

Bore Distance (C)	3	4	5	6	7	8	9
Overlay (E)	22	23	24	25	26	27	28

For standard type mounting plate 0 mm thickness.

Turning the overlay adjustment screw or using distance plate (2 mm thickness) to adjust overlay (Max. - 6 mm).

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)

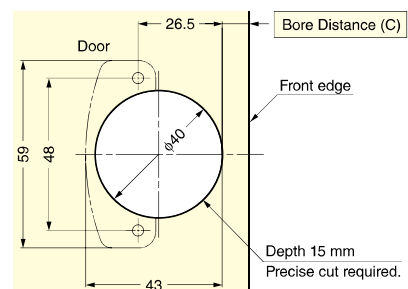
Door Thickness (D)	Bore Distance (C)						
	3	4	5	6	7	8	9
Max. 33	Max. 0.1						
34	0.2	0.2	0.2	0.2	0.2	0.2	0.2
35	0.3	0.3	0.3	0.3	0.3	0.3	0.3
36	2.0	1.6	1.5	1.4	1.0	0.7	0.5
37	3.7	3.1	2.7	2.4	2.0	1.4	0.9
38	5.0	4.4	3.8	3.3	2.8	2.2	1.7
39	6.2	5.4	4.9	4.3	3.7	3.0	2.6
40	7.2	6.4	5.7	5.3	4.6	3.9	3.4
O.C. (B)							

Please refer to the locus chart if door thickness is over 34 mm.

O.C. (A)

Door Thickness (D)	Door Width			
	300	400	500	600
20	1.6	1.1	1.0	0.9
30	2.2	1.4	1.1	1.0
34	2.2	1.5	1.1	1.0
O.C. (A)				

Cut Out Dimensions



• Recommended screw

Size 3.5 raised countersunk head tapping screw or wood screw.

Door Dimensions and Number of Hinges

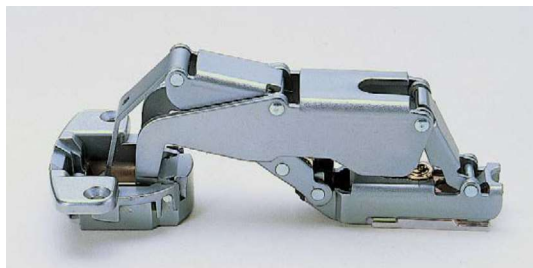
160° Opening

23 mm Overlay

Overlay
14 - 23 mm

Cup Dia Φ 40 Bore Depth 15 mm
Door Thickness 18 - 34 mm

Mounting Plate 100 Series
(P.389-392)



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

CONCEALED HINGE

H160

Item Code	Item Name	Type	Material	Finish	Weight	Carton
160-073-621	H160-34/23	w/o Catch	Body/Steel, Cup/Zinc Alloy (ZDC)	Chrome	186 g	100 pcs
160-073-631	H160-C34/23	w/ Catch	Body/Steel, Cup/Zinc Alloy (ZDC)	Chrome	200 g	100 pcs

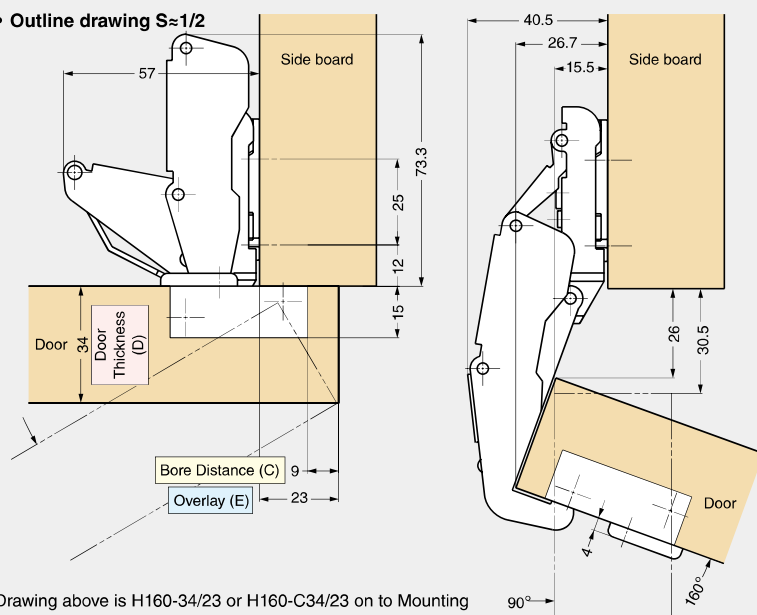
Features

Screw mount.

Sold Separately

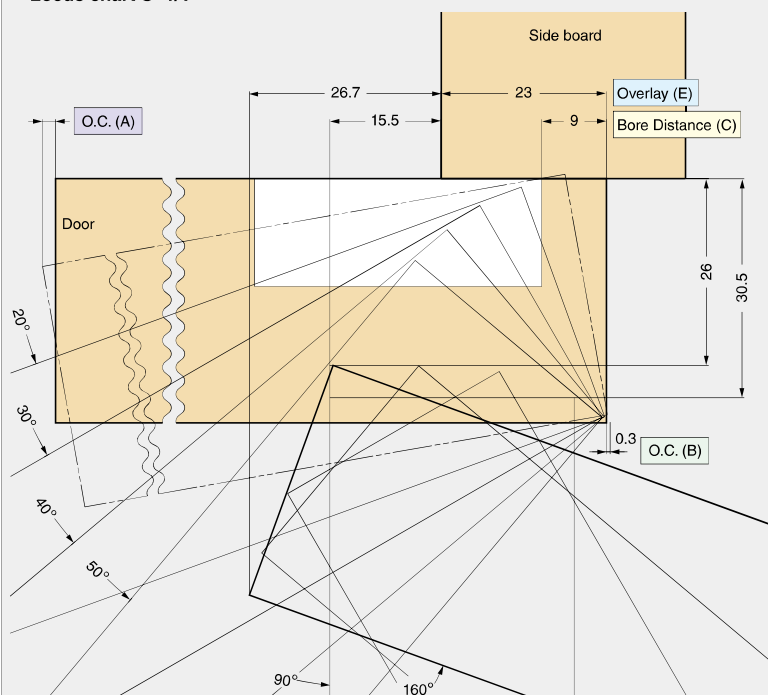
100 series mounting plate (P.389-392).

• Outline drawing S≈1/2



Drawing above is H160-34/23 or H160-C34/23 on to Mounting Plate 100-03A: Bore Distance 9 mm, Door Thickness 34 mm and 23 mm Overlay.

• Locus chart S≈1/1



Drawing above is Bore Distance 9 mm, Door Thickness 34 mm, Side Board Thickness 34 mm and 23 mm Overlay.

Bore Distance (C)

Bore Distance (C)	3	4	5	6	7	8	9
Overlay (E)	17	18	19	20	21	22	23

For standard type mounting plate 0 mm thickness.

Turning the overlay adjustment screw or using distance plate (2 mm thickness) to adjust overlay (Max. - 6 mm).

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)

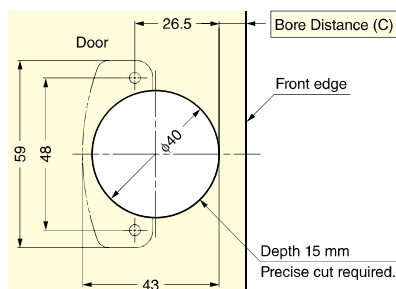
Door Thickness (D)	Bore Distance (C)						
	3	4	5	6	7	8	9
Max. 33	Max. 0.2						
34	0.3	0.3	0.3	0.3	0.3	0.3	0.3
35	0.7	0.7	0.7	0.7	0.7	0.6	0.5
36	3.2	3.0	2.7	2.3	1.6	1.3	0.9
37	5.0	4.4	3.8	3.2	2.6	2.1	1.6
38	6.2	5.5	4.8	4.2	3.5	2.9	2.4
39	7.2	6.4	5.7	5.1	4.4	3.9	3.3
40	8.3	7.3	6.6	6.0	5.4	4.7	4.2
O.C. (B)							

Please refer to the locus chart if door thickness is over 34 mm.

O.C. (A)

Door Thickness (D)	Door Width			
	300	400	500	600
20	1.4	1.1	0.8	0.7
30	1.8	1.3	1.0	0.8
34	1.8	1.3	1.0	0.8
O.C. (A)				

Cut Out Dimensions



• Recommended screw

Size 3.5 raised countersunk head tapping screw or wood screw.

Door Dimensions and Number of Hinges

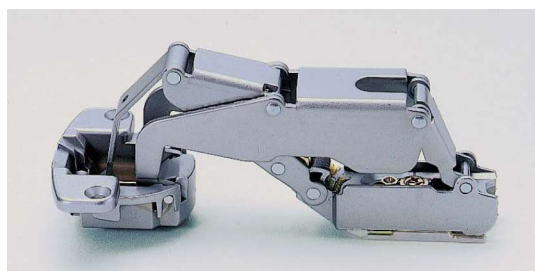
160° Opening

18 mm Overlay

Overlay
9 - 18 mm

Cup Dia Φ 40 Bore Depth 15 mm
Door Thickness 18 - 34 mm

Mounting Plate 100 Series
(P.389-392)



CONCEALED HINGE

H160

Item Code	Item Name	Type	Material	Finish	Weight	Carton
160-073-622	H160-34/18	w/o Catch	Zinc Alloy (ZDC)	Chrome	193 g	100 pcs
160-073-632	H160-C34/18	w/ Catch	Zinc Alloy (ZDC)	Chrome	205 g	100 pcs

Features

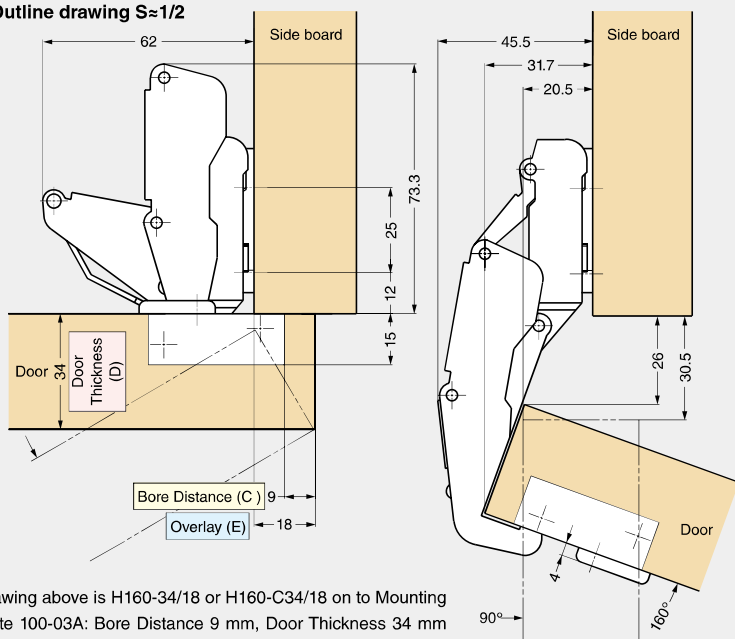
Screw mount.

Sold Separately

100 series mounting plate (P.389-392).

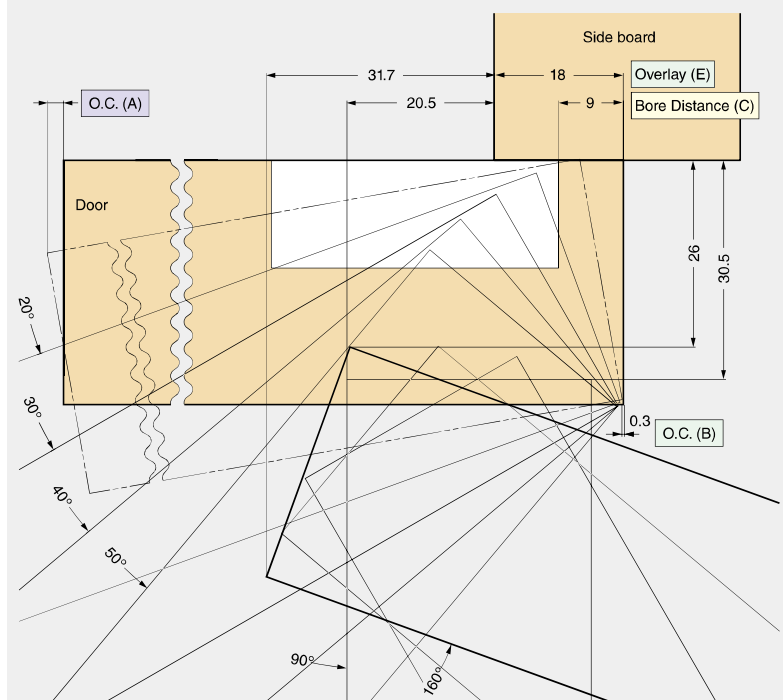
Picture above is the combination of concealed hinge and mounting plate.

• Outline drawing S≈1/2



Drawing above is H160-34/18 or H160-C34/18 on to Mounting Plate 100-03A: Bore Distance 9 mm, Door Thickness 34 mm and 18 mm Overlay.

• Locus chart S≈1/1



Drawing above is Bore Distance 9 mm, Door Thickness 34 mm, Side Board Thickness 34 mm and 18 mm Overlay.

Bore Distance (C)

Bore Distance (C)	3	4	5	6	7	8	9
Overlay (E)	12	13	14	15	16	17	18

For standard type mounting plate 0 mm thickness.

Turning the overlay adjustment screw or using distance plate (2 mm thickness) to adjust overlay (Max. - 6 mm).

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)

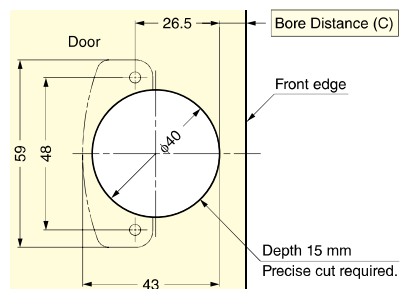
Door Thickness (D)	Bore Distance (C)						
	3	4	5	6	7	8	9
Max. 33	Max. 0.2						
34	0.3	0.3	0.3	0.3	0.3	0.3	0.3
35	0.7	0.7	0.7	0.7	0.7	0.6	0.5
36	3.2	3.0	2.7	2.3	1.6	1.3	0.9
37	5.0	4.4	3.8	3.2	2.6	2.1	1.6
38	6.2	5.5	4.8	4.2	3.5	2.9	2.4
39	7.2	6.4	5.7	5.1	4.4	3.9	3.3
40	8.3	7.3	6.6	6.0	5.4	4.7	4.2
O.C. (B)							

Please refer to the locus chart if door thickness is over 34 mm.

O.C. (A)

Door Thickness (D)	Door Width	300	400	500	600
20		1.4	1.1	0.8	0.7
30		1.8	1.3	1.0	0.8
34		1.8	1.3	1.0	0.8
O.C. (A)					

Cut Out Dimensions



• Recommended screw

Size 3.5 raised countersunk head tapping screw or wood screw.

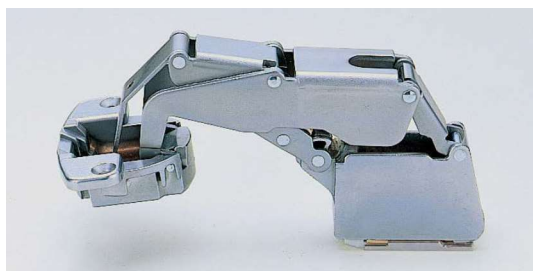
Door Dimensions and Number of Hinges

160° Opening

Inset

Cup Dia Φ 40 Bore Depth 15 mm
Door Thickness 18 - 34 mm

Mounting Plate 100 Series
(P.389-392)



CONCEALED HINGE

H160

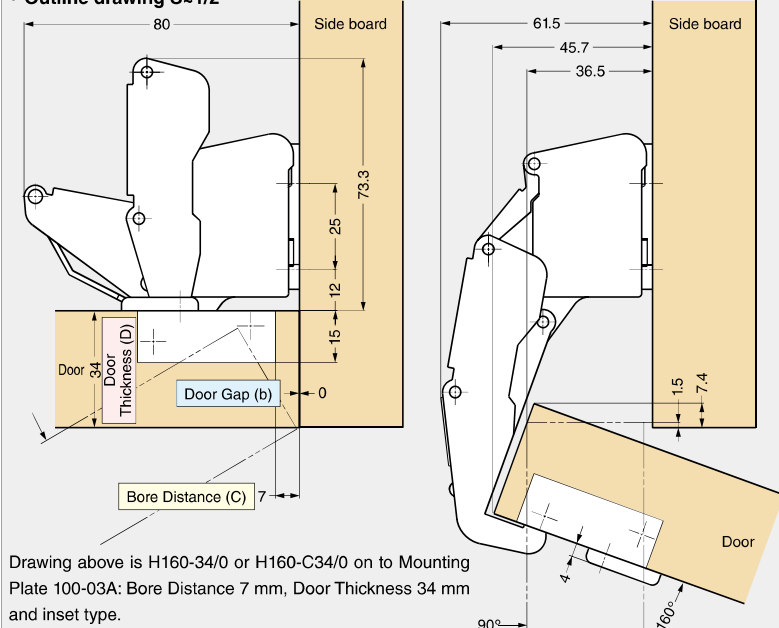
Item Code	Item Name	Type	Material	Finish	Weight	Carton
160-073-623	H160-34/0	w/o Catch	Zinc Alloy (ZDC)	Chrome	234 g	100 pcs
160-073-633	H160-C34/0	w/ Catch	Zinc Alloy (ZDC)	Chrome	242 g	100 pcs

Option

100 series mounting plate (P.389-392).

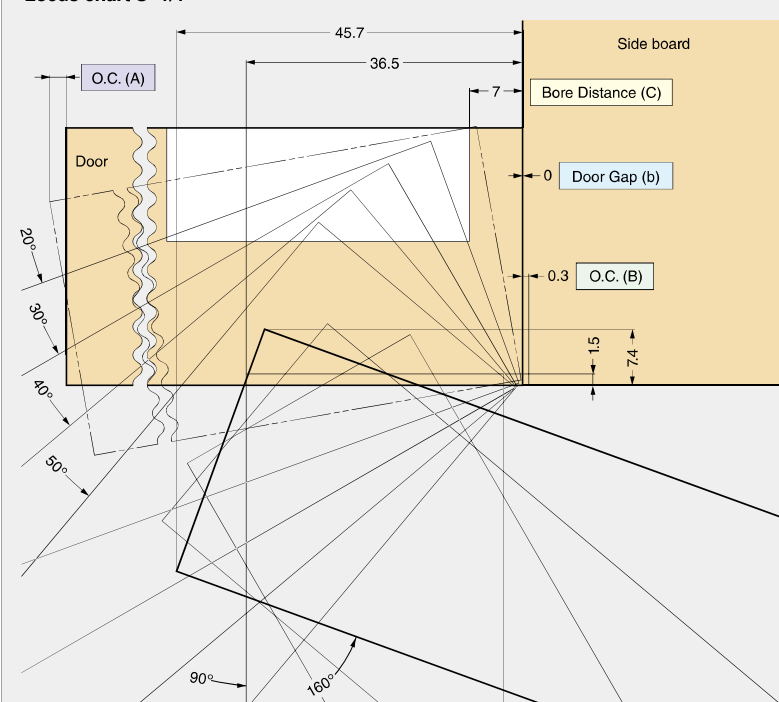
Picture above is the combination of concealed hinge and mounting plate.

• Outline drawing S $\approx$ 1/2



Drawing above is H160-34/0 or H160-C34/0 on to Mounting Plate 100-03A: Bore Distance 7 mm, Door Thickness 34 mm and inset type.

• Locus chart S $\approx$ 1/1



Drawing above is Bore Distance 7 mm, Door Thickness 34 mm, Side Board Thickness 34 mm and inset type.

Bore Distance (C)

Bore Distance (C)	3	4	5	6	7
Door Gap (b)	4	3	2	1	0

For standard type mounting plate 0 mm thickness.

Turning the overlay adjustment screw to adjust the gap.

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)

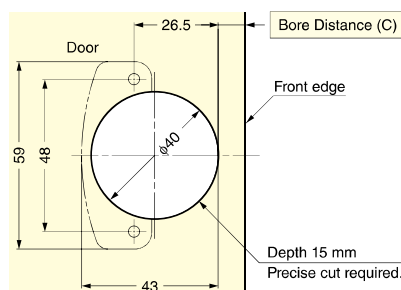
Door Thickness (D)	Bore Distance (C)				
	3	4	5	6	7
Max. 30	Max. 0.1				
31	0.1	0.1	0.1	0.1	0.1
32	0.2	0.2	0.2	0.2	0.2
33	0.2	0.2	0.2	0.2	0.2
34	0.3	0.3	0.3	0.3	0.3
35	0.9	0.9	0.9	0.8	0.8
36	3.4	3.1	2.8	2.2	1.6
O.C. (B)					

Please refer to the locus chart if door thickness is over 34 mm.

O.C. (A)

Door Thickness (D)	Door Width			
	300	400	500	600
20	1.4	1.1	0.8	0.7
30	1.7	1.3	1.0	0.8
34	1.7	1.3	1.0	0.8
O.C. (A)				

Cut Out Dimensions



• Recommended screw

Size 3.5 raised countersunk head tapping screw or wood screw.

Door Dimensions and Number of Hinges

170° Opening

19 mm Overlay

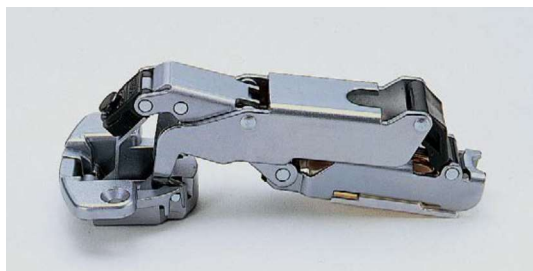
Overlay
15 - 20 mm

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

Mounting Plate 100 Series
(P.389-392)

CONCEALED HINGE

170



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

Item Code	Item Name	Type	Material	Finish	Weight	Carton
160-073-390	170-34/19	w/o Catch	Body/Steel, Cup/Zinc Alloy (ZDC)	Chrome	117 g	100 pcs
160-073-400	170-C34/19	w/ Catch	Body/Steel, Cup/Zinc Alloy (ZDC)	Chrome	125 g	100 pcs

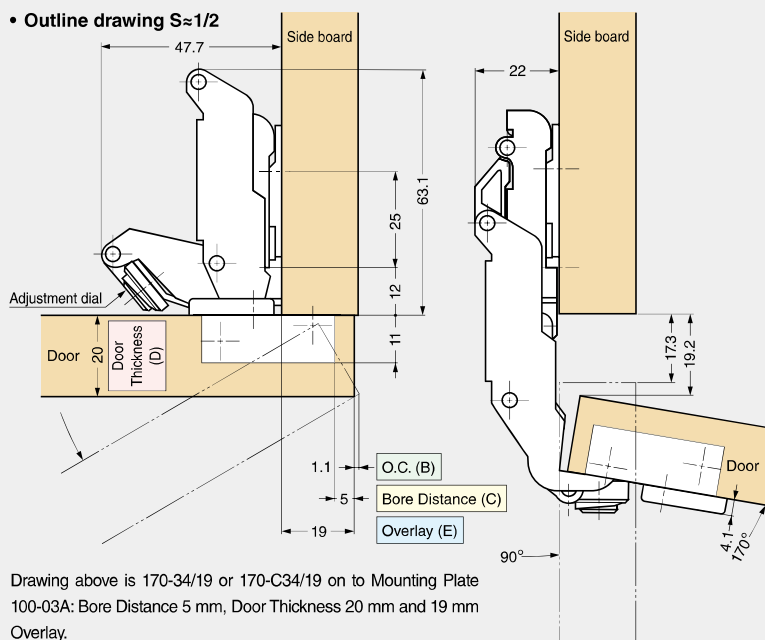
Features

- Opening angle can be adjusted 140 - 170 degrees by turning the dial on the hinge.
- Screw mount.

Sold Separately

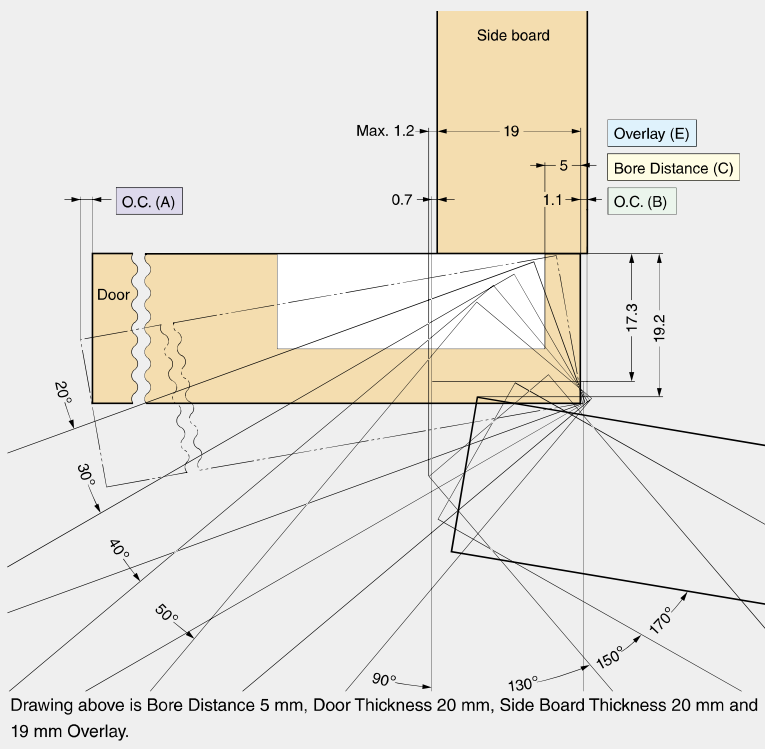
100 series mounting plate (P.389-392).

• Outline drawing S≈1/2



Drawing above is 170-34/19 or 170-C34/19 on to Mounting Plate 100-03A: Bore Distance 5 mm, Door Thickness 20 mm and 19 mm Overlay.

• Locus chart S≈1/1



Drawing above is Bore Distance 5 mm, Door Thickness 20 mm, Side Board Thickness 20 mm and 19 mm Overlay.

Bore Distance (C)

Bore Distance (C)	3	4	5	6
Overlay (E)	17	18	19	20

For standard type mounting plate 0 mm thickness.

Turning the overlay adjustment screw or using distance plate (2 mm thickness) to adjust overlay (Max. - 6 mm).

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)

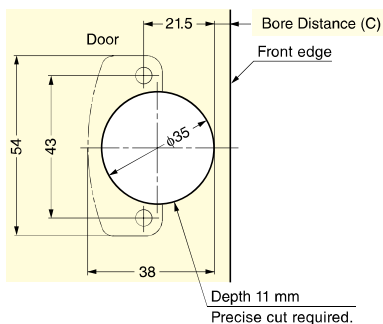
Door Thickness (D)	Bore Distance (C)			
	3	4	5	6
15	0	0	0	0
16	0	0	0	0
17	0.1	0.1	0.1	0.1
18	0.1	0.1	0.1	0.1
19	1.1	0.8	0.3	0.1
20	2.5	1.7	1.1	0.6
21	3.5	2.7	2.0	1.5
22	4.5	3.7	2.9	2.3
O.C. (B)				

Please refer to the locus chart if door thickness is over 20 mm.

O.C. (A)

Door Thickness (D)	Door Width		
	300	400	500
15	0.7	0.6	0.5
20	0.7	0.6	0.5
22	0.7	0.6	0.5
O.C. (A)			

Cut Out Dimensions



- Recommended screw

Size 3.5 raised countersunk head tapping screw or wood screw.

Door Dimensions and Number of Hinges

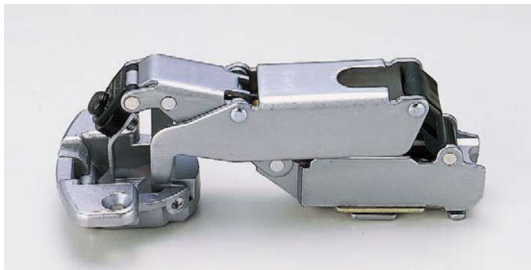
170° Opening

9 mm Overlay

Overlay
5 - 10 mm

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

Mounting Plate 100 Series
(P.389-392)



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

CONCEALED HINGE

170

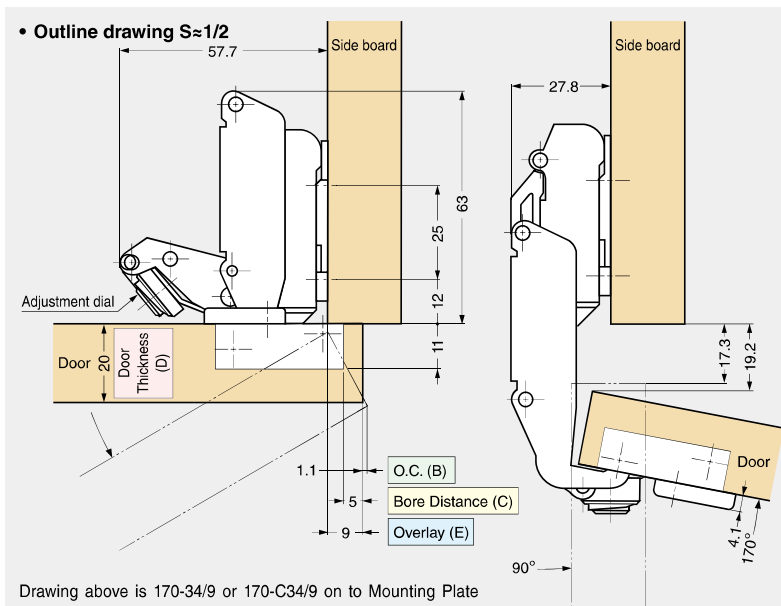
Item Code	Item Name	Type	Material	Finish	Weight	Carton
160-073-392	170-34/9	w/o Catch	Zinc Alloy (ZDC)	Chrome	133 g	100 pcs
160-073-402	170-C34/9	w/ Catch	Zinc Alloy (ZDC)	Chrome	141 g	100 pcs

Features

- Opening angle can be adjusted 140 - 170 degrees by turning the dial on the hinge.
- Screw mount.

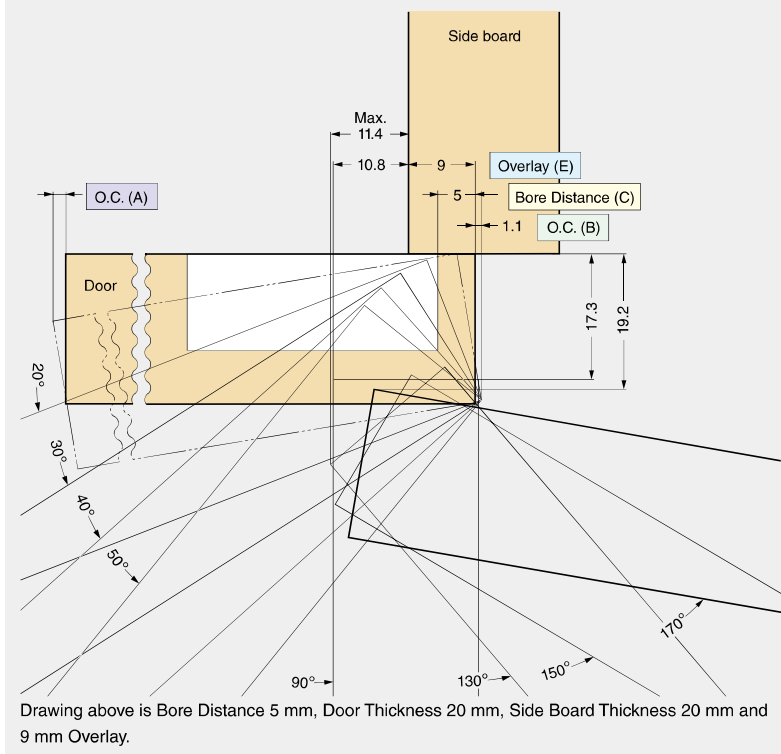
Sold Separately

100 series mounting plate (P.389-392).



Drawing above is 170-34/9 or 170-C34/9 on to Mounting Plate 100-03A: Bore Distance 5 mm, Door Thickness 20 mm and 9 mm Overlay.

• Locus chart S $\approx$ 1/1



Bore Distance (C)

Bore Distance (C)	3	4	5	6
Overlay (E)	7	8	9	10

For standard type mounting plate 0 mm thickness.

Turning the overlay adjustment screw or using distance plate (2 mm thickness) to adjust overlay (Max. - 6 mm).

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)

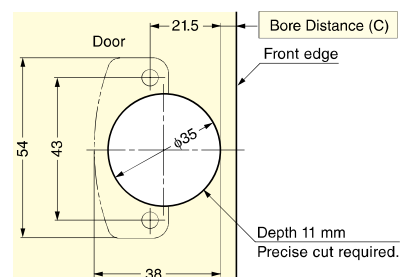
Door Thickness (D)	Bore Distance (C)			
	3	4	5	6
15	0	0	0	0
16	0	0	0	0
17	0	0	0	0
18	0.1	0.1	0	0
19	1.0	0.6	0.2	0
20	2.3	1.7	1.1	0.6
21	3.5	2.6	2.0	1.5
22	4.4	3.5	2.9	2.2
O.C. (B)				

Please refer to the locus chart if door thickness is over 20 mm.

O.C. (A)

Door Thickness (D)	Door Width		
	300	400	500
15	0.7	0.5	0.5
20	0.7	0.5	0.5
22	0.7	0.5	0.5
O.C. (A)			

Cut Out Dimensions

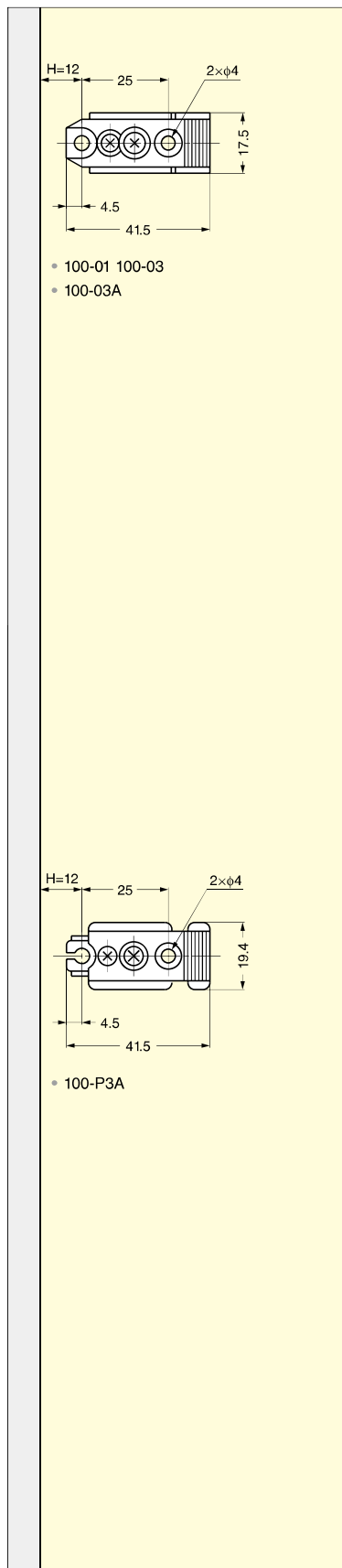


- Recommended screw
Size 3.5 raised countersunk head tapping screw or wood screw.

Door Dimensions and Number of Hinges

MOUNTING PLATE 100 SERIES

STANDARD TYPE



Value of H: Door thickness + 17 mm in use of INSET type (Door thickness + 12 mm in use of INSET type of H160 or 170 hinge).

100-01

Features

Standard height: 0 mm

Recommended Screw

Size 3.5 tapping screw or wood screw (do not use flat head screws).



Item Code	Item Name	Material	Colour	Weight	Carton
160-074-070	100-01	Polyamide (PA)	Ivory	7 g	800 pcs

100-03

Features

Standard height: 0 mm

Recommended Screw

Size 3.5 tapping screw or wood screw (do not use flat head screws).



Item Code	Item Name	Material	Finish	Weight	Carton
160-074-079	100-03	Zinc Alloy (ZDC)	Chrome	22 g	800 pcs

100-03A

Features

- Overlay adjustable.
- Standard height: 0 mm

Recommended Screw

Size 3.5 tapping screw or wood screw (do not use flat head screws).



*The finish has been changed. Please check with actual item.

Item Code	Item Name	Material	Finish	Weight	Carton
160-074-083	100-03A	Zinc Alloy (ZDC)/Steel	Nickel/Yellow Zinc Chromate	28 g	800 pcs

100-P3A

Features

- Overlay adjustable.
- Standard height: 0 mm

Recommended Screw

Size 3.5 tapping screw or wood screw (do not use flat head screws).

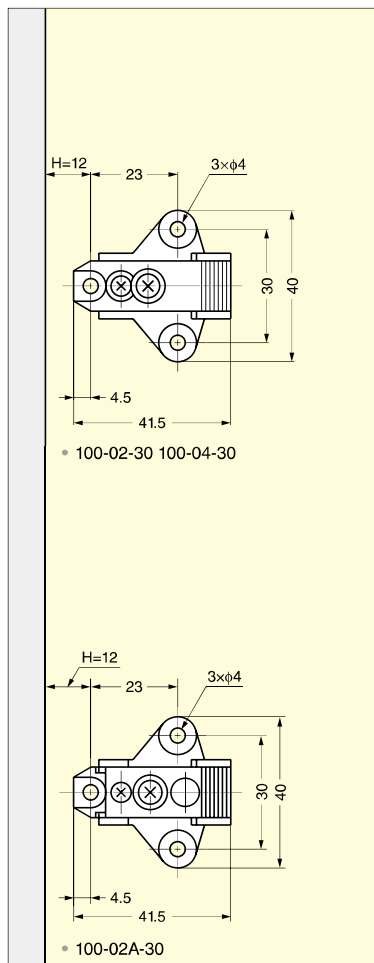


*The finish has been changed. Please check with actual item.

Item Code	Item Name	Material	Finish	Weight	Carton
160-074-244	100-P3A	Steel	Chrome/Yellow Zinc Chromate	22 g	800 pcs

MOUNTING PLATE 100 SERIES

SYSTEM 30 TYPE



100-02-30

Features

Standard height: 0 mm

Recommended Screw

Size 3.5 tapping screw or wood screw (do not use flat head screws).

Item Code	Item Name	Material	Colour	Weight	Carton
160-074-071	100-02-30	Polyamide (PA)	Ivory	8 g	400 pcs



100-04-30

Features

Standard height: 0 mm

Recommended Screw

Size 3.5 tapping screw or wood screw (do not use flat head screws).

Item Code	Item Name	Material	Finish	Weight	Carton
160-074-085	100-04-30	Zinc Alloy (ZDC)	Chrome	29 g	400 pcs



100-02A-30

Features

- Overlay adjustable.
- Standard height: 0 mm

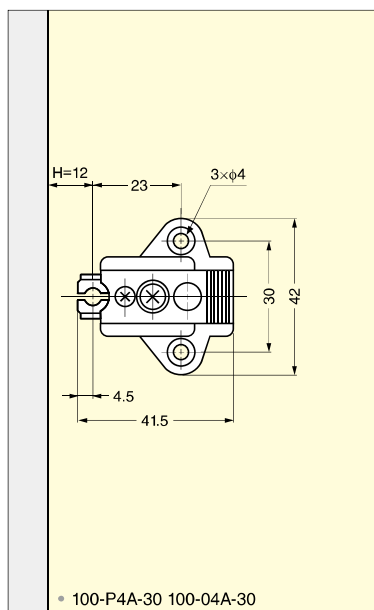
Recommended Screw

Size 3.5 tapping screw or wood screw (do not use flat head screws).

*The finish has been changed. Please check with actual item.

Item Code	Item Name	Material	Finish/Colour	Weight	Carton
160-074-074	100-02A-30	Polyamide (PA)/Steel	Ivory/Yellow Zinc Chromate	17 g	400 pcs

SYSTEM 30 TYPE



100-04A-30

Features

- Overlay adjustable.
- Standard height: 0 mm

Recommended Screw

Size 3.5 tapping screw or wood screw (do not use flat head screws).

*The finish has been changed. Please check with actual item.

Item Code	Item Name	Material	Finish	Weight	Carton
160-074-087	100-04A-30	Zinc Alloy (ZDC)/Steel	Chrome/Yellow Zinc Chromate	43 g	400 pcs



100-P4A-30

Features

- Overlay adjustable.
- Standard height: 0 mm

Recommended Screw

Size 3.5 tapping screw or wood screw (do not use flat head screws).

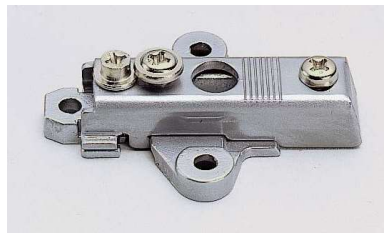
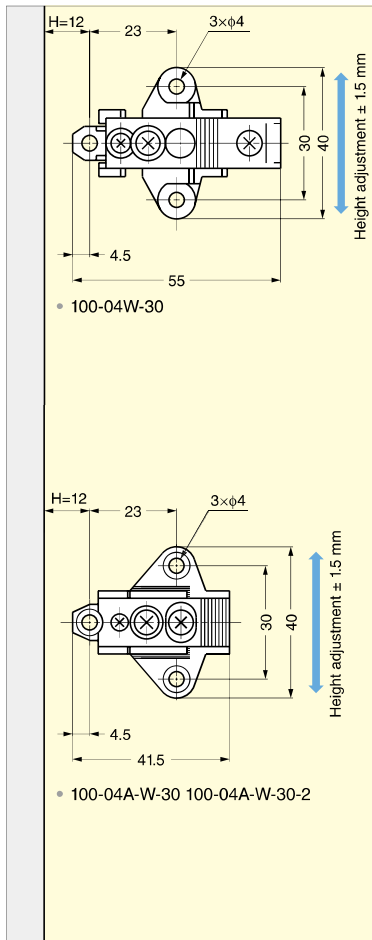
*The finish has been changed. Please check with actual item.

Item Code	Item Name	Material	Finish	Weight	Carton
160-074-161	100-P4A-30	Steel	Chrome/Yellow Zinc Chromate	27 g	400 pcs

Value of H: Door thickness + 17 mm in use of INSET type (Door thickness + 12 mm in use of INSET type of H160 or 170 hinge).

MOUNTING PLATE 100 SERIES

SYSTEM 30 TYPE



100-04W-30

Features

- Height adjustable.
- Standard height: 0 mm

Recommended Screw

Size 3.5 tapping screw or wood screw (do not use flat head screws).

Item Code	Item Name	Material	Finish	Weight	Carton
160-074-095	100-04W-30	Zinc Alloy (ZDC)/Steel	Chrome	35 g	800 pcs



100-04A-W-30

Features

- Overlay and height adjustable.
- Standard height: 0 mm

Recommended Screw

Size 3.5 tapping screw or wood screw (do not use flat head screws).

*The finish has been changed. Please check with actual item.

Item Code	Item Name	Material	Finish	Weight	Carton
160-074-115	100-04A-W-30	Steel	Chrome/Yellow Zinc Chromate	32 g	800 pcs



100-04A-W-30-2

Features

- Overlay and height adjustable.
- Height: 2 mm

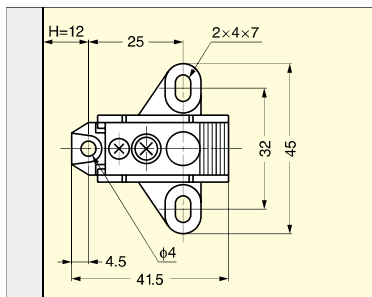
Recommended Screw

Size 3.5 tapping screw or wood screw (do not use flat head screws).

*The finish has been changed. Please check with actual item.

Item Code	Item Name	Material	Finish	Weight	Carton
160-074-158	100-04A-W-30-2	Zinc Alloy (ZDC)/Steel	Chrome/Yellow Zinc Chromate	35 g	800 pcs

SYSTEM 32 TYPE



100-04A-32-3

Features

- Overlay adjustable.
- Standard height: 3 mm

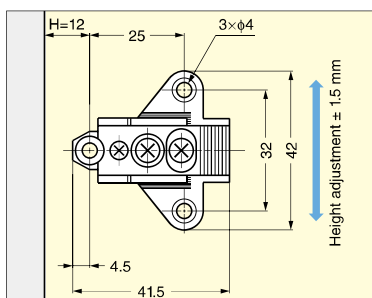
Recommended Screw

Size 3.5 tapping screw or wood screw (do not use flat head screws).

*The finish has been changed. Please check with actual item.

Item Code	Item Name	Material	Finish	Weight	Carton
160-074-089	100-04A-32-3	Zinc Alloy (ZDC)/Steel	Chrome/Yellow Zinc Chromate	37 g	400 pcs

SYSTEM 32 TYPE



100-04A-W-32

Features

- Overlay and height adjustable.
- Standard height: 0 mm

Recommended Screw

Size 3.5 tapping screw or wood screw (do not use flat head screws).

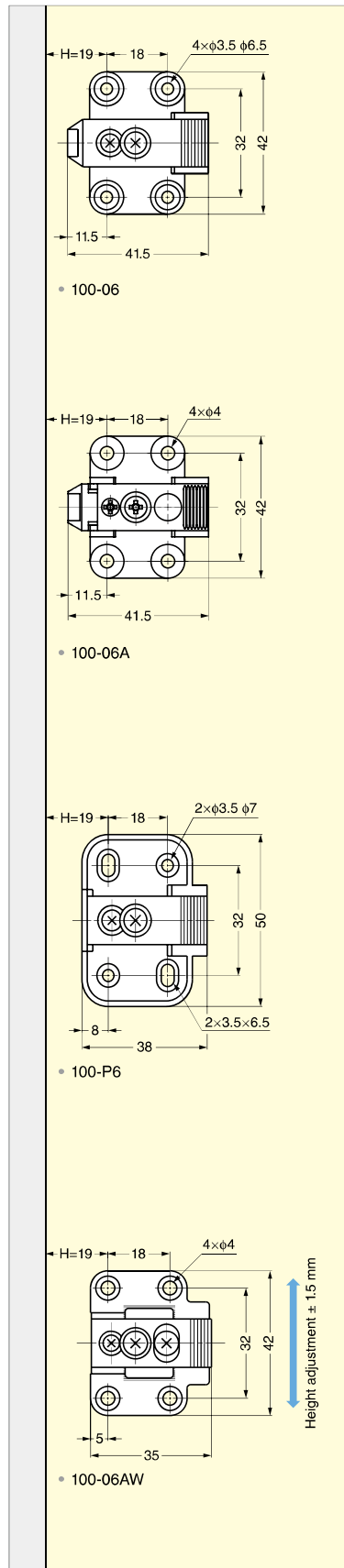
*The finish has been changed. Please check with actual item.

Item Code	Item Name	Material	Finish	Weight	Carton
160-074-116	100-04A-W-32	Steel	Chrome/Yellow Zinc Chromate	33 g	800 pcs

Value of H: Door thickness + 17 mm in use of INSET type (Door thickness + 12 mm in use of INSET type of H160 or 170 hinge).

MOUNTING PLATE 100 SERIES

SYSTEM 32 TYPE



Value of H: Door thickness + 17 mm in use of INSET type (Door thickness + 12 mm in use of INSET type of H160 or 170 hinge).



100-06

Features

Standard height: 0 mm

Recommended Screw

Size 3.5 tapping screw or wood screw (do not use flat head screws).

Item Code	Item Name	Material	Finish	Weight	Carton
160-074-110	100-06	Zinc Alloy (ZDC)	Chrome	29 g	400 pcs



100-06A

Features

- Overlay adjustable.
- Standard height: 0 mm

Recommended Screw

Size 3.5 tapping screw or wood screw (do not use flat head screws).

*The finish has been changed. Please check with actual item.

Item Code	Item Name	Material	Finish	Weight	Carton
160-074-111	100-06A	Zinc Alloy (ZDC)/Steel	Chrome/Yellow Zinc Chromate	36 g	400 pcs



100-P6

Features

Standard height: 0 mm

Recommended Screw

Size 3.5 tapping screw or wood screw (do not use flat head screws).

Item Code	Item Name	Material	Finish	Weight	Carton
160-074-160	100-P6	Steel	Chrome	23 g	400 pcs



100-06AW

Features

- Overlay and height adjustable.
- Standard height: 0 mm

Recommended Screw

Size 3.5 tapping screw or wood screw (do not use flat head screws).

*The finish has been changed. Please check with actual item.

Item Code	Item Name	Material	Finish	Weight	Carton
160-074-171	100-06AW	Steel	Chrome/Yellow Zinc Chromate	37 g	400 pcs

SPACER FOR 100 SERIES MOUNTING PLATE

100-DP2



Features
Used to make overlay 2 mm smaller.

Use with the following mounting plates:

100-01	100-03
100-03A	100-P3A
100-P3A-SUS304B	

Item Code	Item Name	Material	Colour	Weight	Box	Carton
160-074-100	100-DP2	Polyamide (PA)	Ivory	2 g	800 pcs	3200 pcs

100-DP2-32



Features
Used to make overlay 2 mm smaller.

Use with the following mounting plates:

100-04A-32-3	100-04A-W-32
100-P4A-32-SUS304B	

Item Code	Item Name	Material	Colour	Weight	Box	Carton
160-074-107	100-DP2-32	Polyamide (PA)	Ivory	2 g	800 pcs	3200 pcs

100-DP2-30



Features
Used to make overlay 2 mm smaller.

Use with the following mounting plates:

100-02-30	100-02A-30
100-04-30	100-04A-30
100-04W-30	100-P4A-30
100-04A-W-30	100-04A-W-30-2
100-P4A-30-SUS304B	

Item Code	Item Name	Material	Colour	Weight	Box	Carton
160-074-105	100-DP2-30	Polyamide (PA)	Ivory	2 g	800 pcs	3200 pcs

100-DP2-06



Features
Used to make overlay 2 mm smaller.

Use with the following mounting plates:

100-06	100-06AW
100-06A	

Item Code	Item Name	Material	Colour	Weight	Box	Carton
160-074-145	100-DP2-06	Polyamide (PA)	Ivory	3 g	800 pcs	3200 pcs

JIG FOR 100 SERIES MOUNTING PLATE

JIG



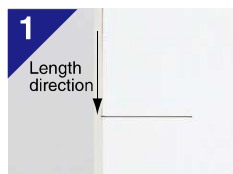
Item Code	Item Name	Box	Carton
160-074-109	JIG-100	50 pcs	500 pcs

Cannot be used with the following mounting plates:

100-P3A	100-P4A-30	100-04W-30
100-06	100-06A	100-P6
100-06AW		

(Cannot be used for inset type plates.)

Installation:



Draw a line where you want to install the mounting plate.



Use the jig to align the V shape with the line.



Insert the mounting plate into the jig for correct installation position.



Hold the jig while fixing the mounting plate with a screw.

Other Examples:



Can also be used with mounting plates designed for System 30 and 32.



Mark the holes for easy installation.



Attach the jig to a bar when installing several mounting plates at the same time.

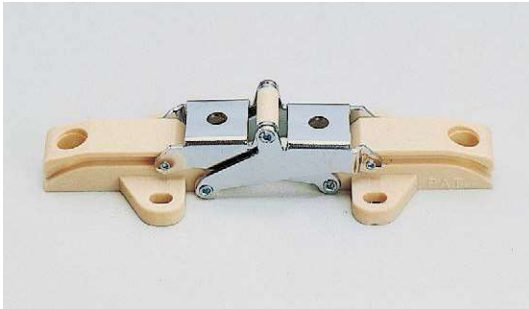


The bar will help you decide the correct distance between the plates.

CONCEALED HINGE (SURFACE MOUNT)

L=R

T-90-200



Features

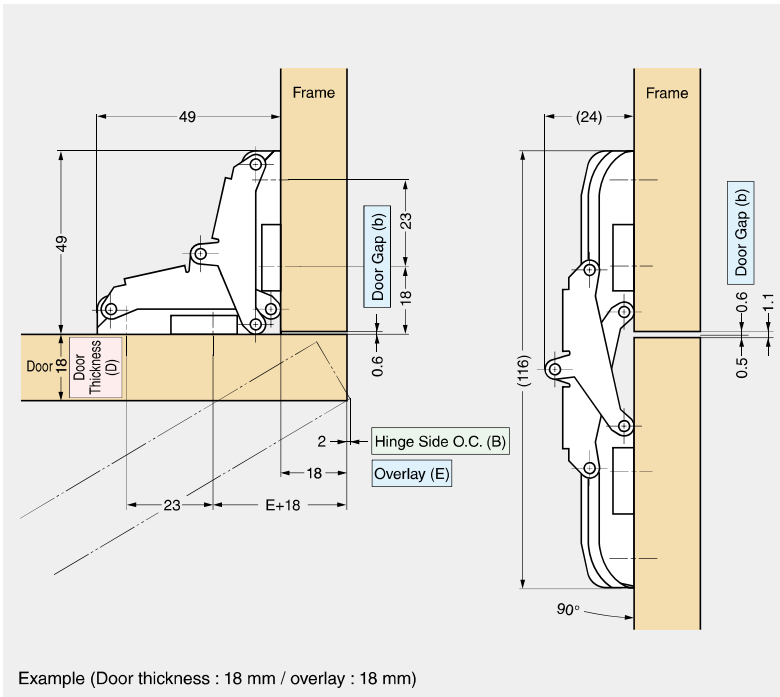
- Opening angle 90°.
- Can be used both for inset and overlay doors.
- Without catch.

Recommended Screws

Pan head tapping screw size 4

Part Name	Material	Finish/Colour
Body	Polyamide (PA)	Ivory
Arm	Steel	Chrome

Item Code	Item Name	Type	Overlay	Door Thickness	Opening Angle	Weight	Carton
170-090-090	T-90-200	Without Catch	15 - 18	15 - 18	90°	42 g	200 pcs



Hinge Side O.C. (B)

Door Thickness (D)	Overlay (E)			
	15	16	17	18
15	1.1	0.5	0	0
16	2.0	1.4	0.8	0.2
17	2.9	2.3	1.7	1.1
18	3.8	3.2	2.6	2.0

Hinge Side O.C. (B)

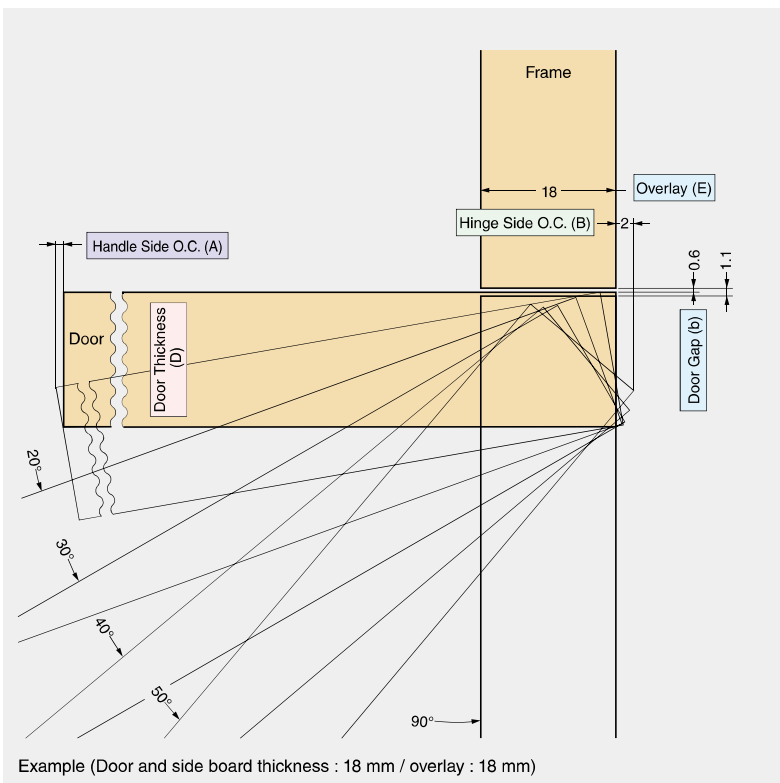
Handle Side O.C. (A)

Door Thickness (D)	Door Width		
	300	400	500
15	0.5	0.4	0.3
16	0.5	0.4	0.4
17	0.5	0.4	0.4
18	0.5	0.4	0.4

Handle Side O.C. (A)

Overlay (E) and Door Gap (b)

Overlay (E)	15	16	17	18
Door Gap (b)	0.2	0.3	0.5	0.6



HINGES

CONCEALED HINGE (SURFACE MOUNT)

DROP HINGE (ADJUSTABLE TYPE)

L=R

SDH-P



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 + Covers

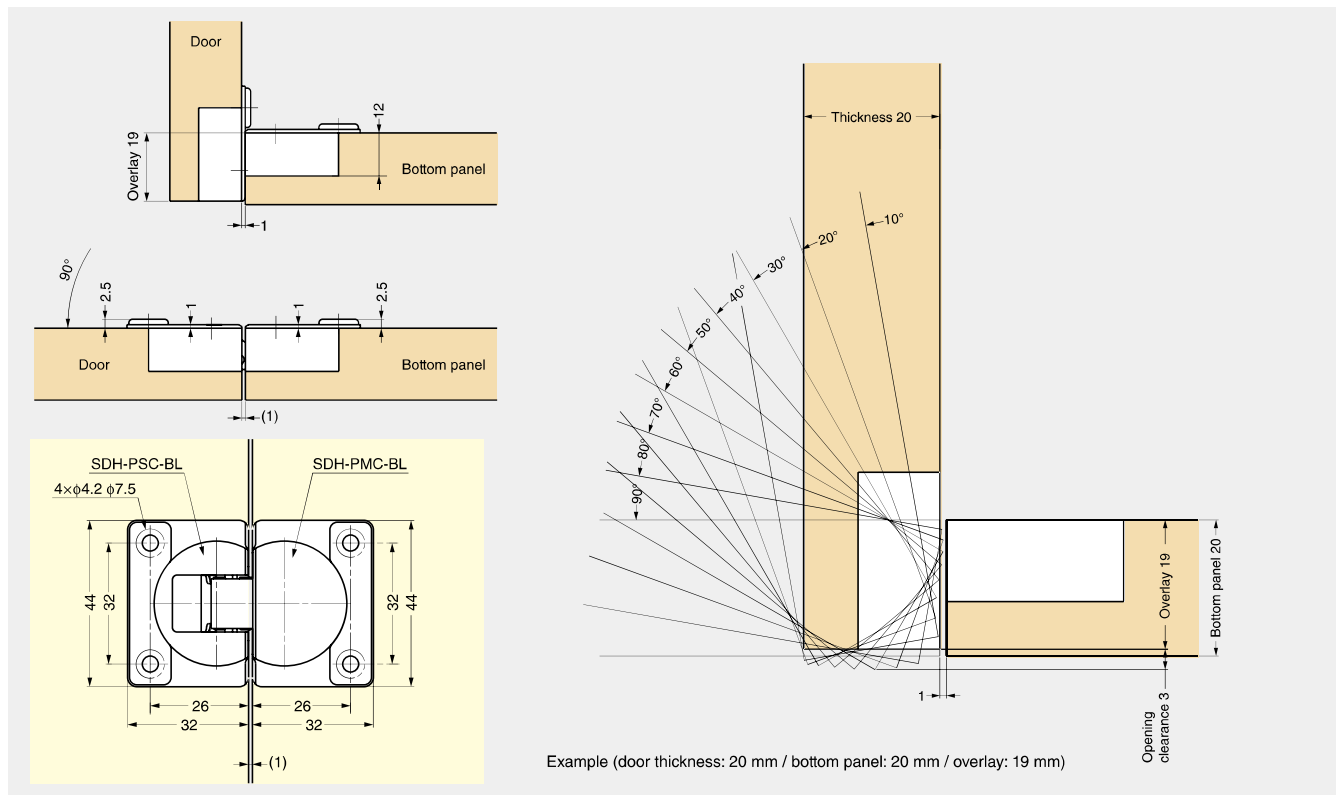
Item Code	Item Name
170-035-444	SDH-P-BL-SET
170-037-357	SDH-P-WT-SET
170-037-358	SDH-P-NI-SET

Cover Set (Covers for Socket and Mounting Plate)

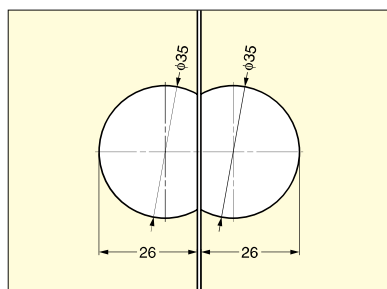
Item Code	Item Name	Material	Colour
170-034-769	SDH-PC-BL	ABS	Black
170-034-828	SDH-PC-WT	ABS	White
170-034-829	SDH-PC-NI	ABS	Nickel

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

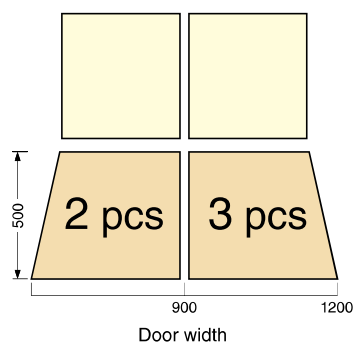


Cut Out Dimensions



Number of Hinges

In case of door thickness up to 20 mm. Material: particle board.



DROP HINGE (FOR GLASS DOOR)

L=R

SDH-G



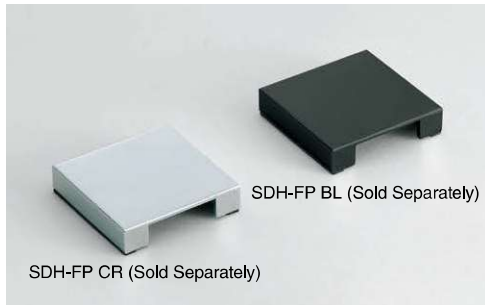
Features

- 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 (P.510) or NSDX-10 (P.518).

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

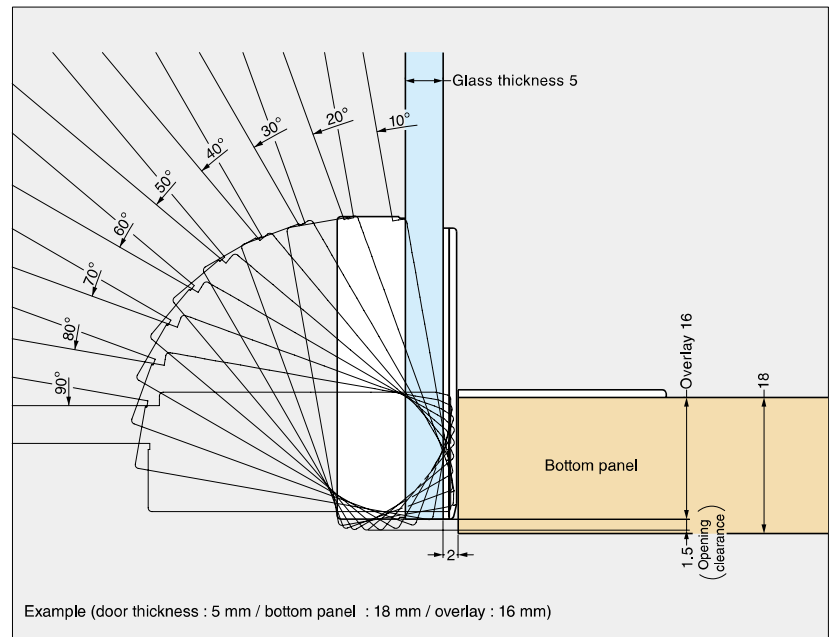
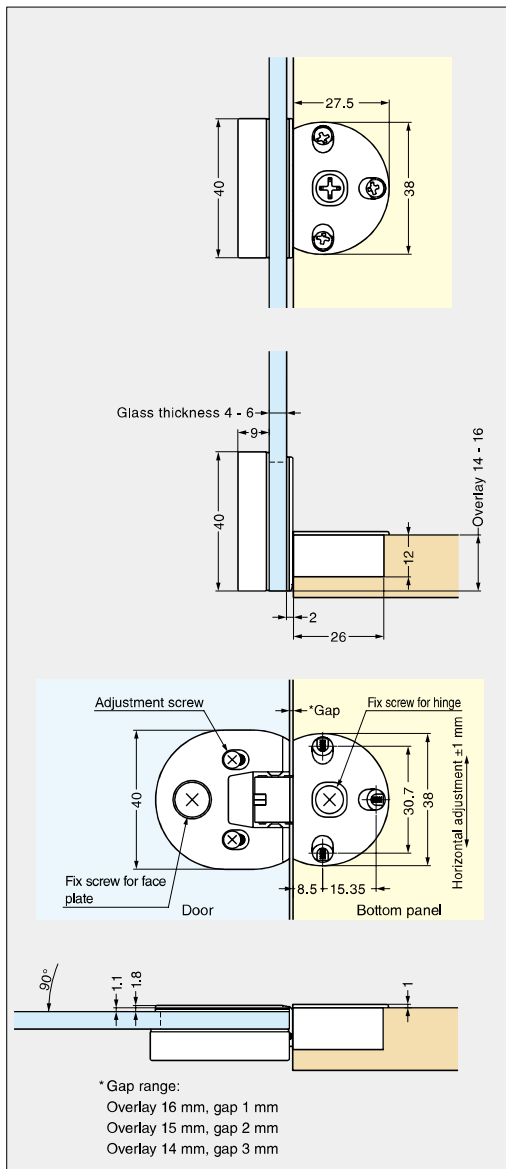


Face Plate (Sold Separately)

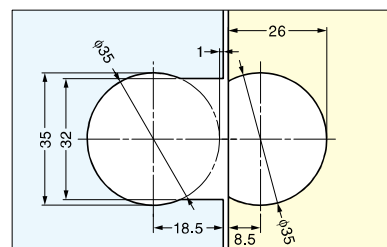
Item Code	Item Name	Material	Finish/Colour	Weight	Box
170-016-332	SDH-FP CR	Zinc Alloy (ZDC)	Chrome	43 g	50 pcs
170-016-333	SDH-FP BL	Zinc Alloy (ZDC)	Black	43 g	50 pcs

HINGES FOR GLASS DOORS

DROP HINGE (FOR GLASS DOOR)

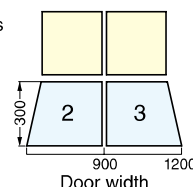


Cut Out Dimensions



Qty of Hinges

In case glass thickness is from 4 to 6 mm.



Application Example



DROP HINGE (ADJUSTABLE TYPE)

L=R

SDH-001



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

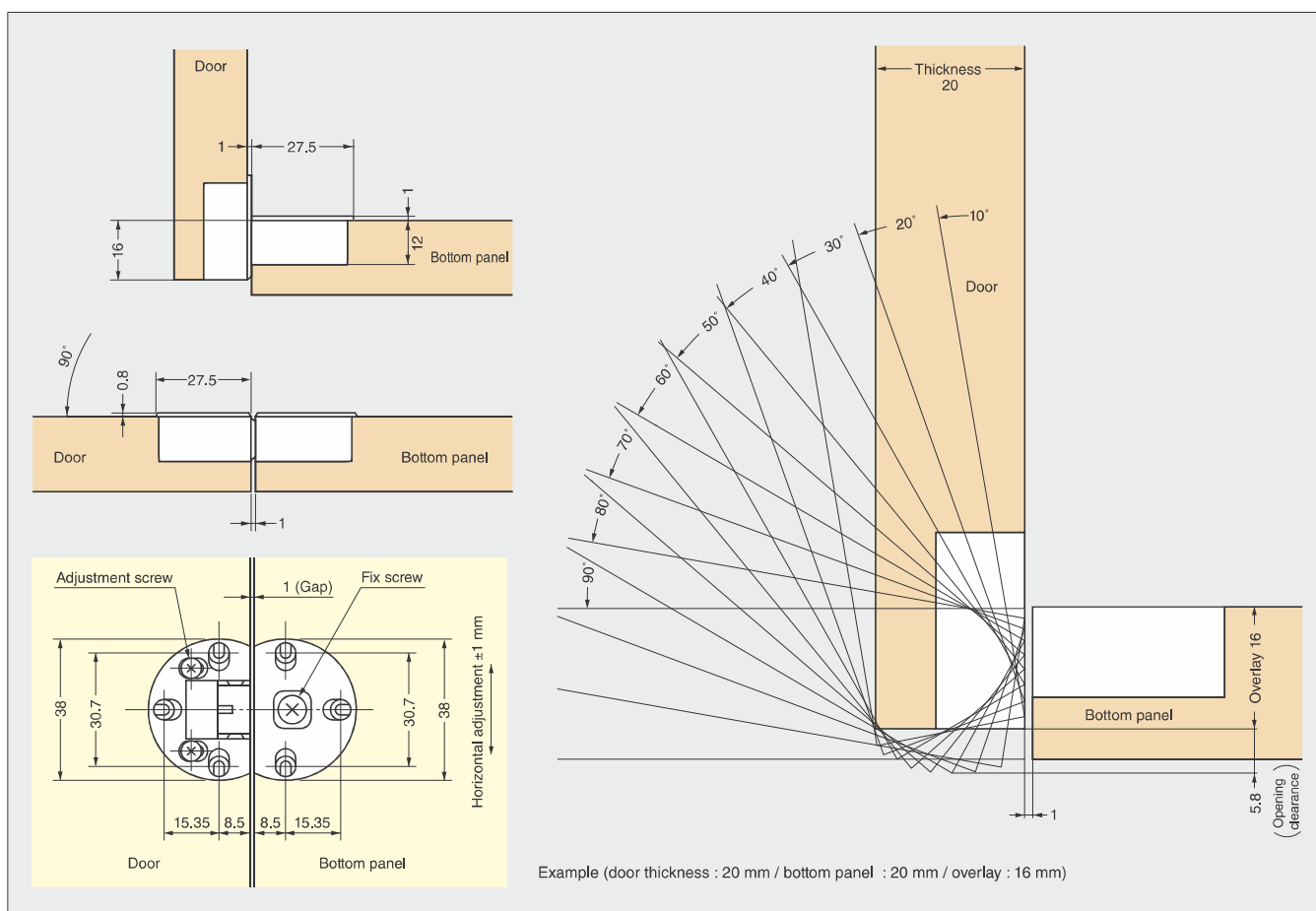
Sold Separately

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	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

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

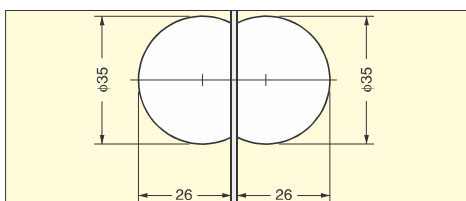


Application Example



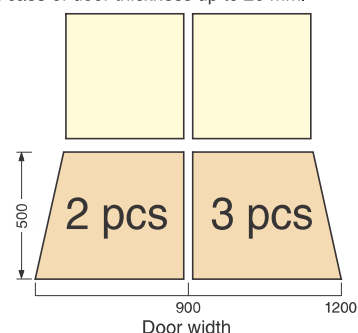
Combination of HDS-10 lid support (P.504).

Cut Out Dimensions



Number of Hinges

In case of door thickness up to 20 mm.

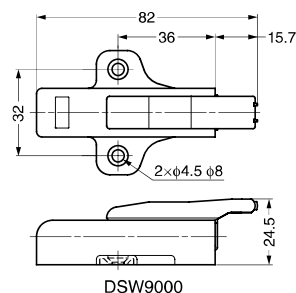
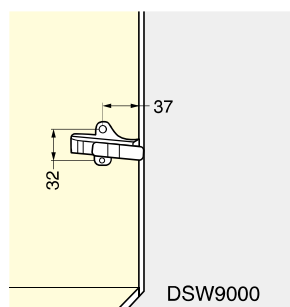


CABINET DAMPER

DSW



Installation



Features

- Enables soft-close for swing doors.
- For full overlay.

Item Code	Item Name	Material	Finish/Colour	Weight	Box
210-031-051	DSW9000	Zinc Alloy (ZDC)	Paint, Grey	49 g	200 pcs

CABINET DAMPER

DS



Features

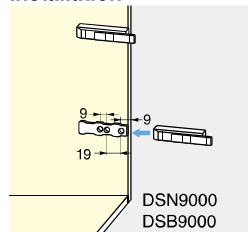
- Enables soft-close for swing doors.
- For full overlay.
- Can be used with ACC-DAM to support half overlay and inset type doors.

Options

Support plate ACC-DAM (Below)

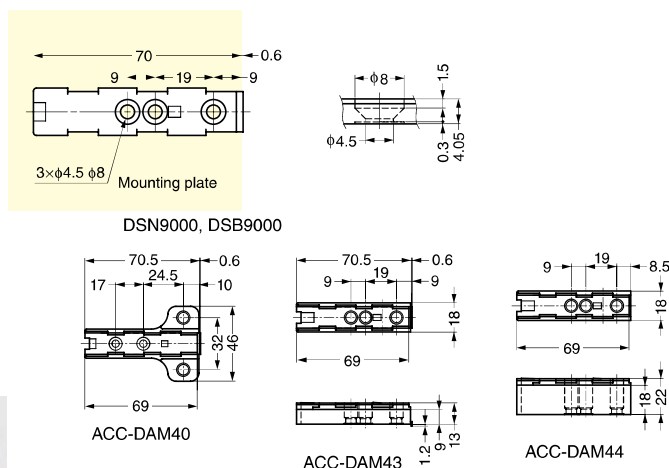
Item Code	Item Name	Material	Finish/Colour	Weight	Box
210-031-053	DSN9000	ABS	Paint, Grey	18 g	200 pcs
210-031-052	DSB9000	ABS	Black	20 g	200 pcs

Installation



Options

Support Plate ACC-DAM



Item Code	Item Name	Door Type	Material	Colour	Weight	Box
210-011-287	ACC-DAM40	Full Overlay	ABS	Silver	7 g	300 pcs
210-011-288	ACC-DAM43	Half Overlay	ABS	Silver	7 g	300 pcs
210-011-877	ACC-DAM43-BLACK	Half Overlay	ABS	Black	7 g	300 pcs
210-011-289	ACC-DAM44	Inset	ABS	Silver	10 g	200 pcs

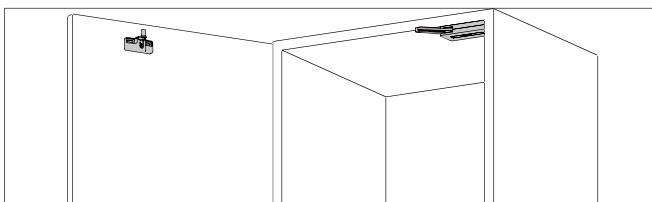
DAMPER CATCH



DC-200

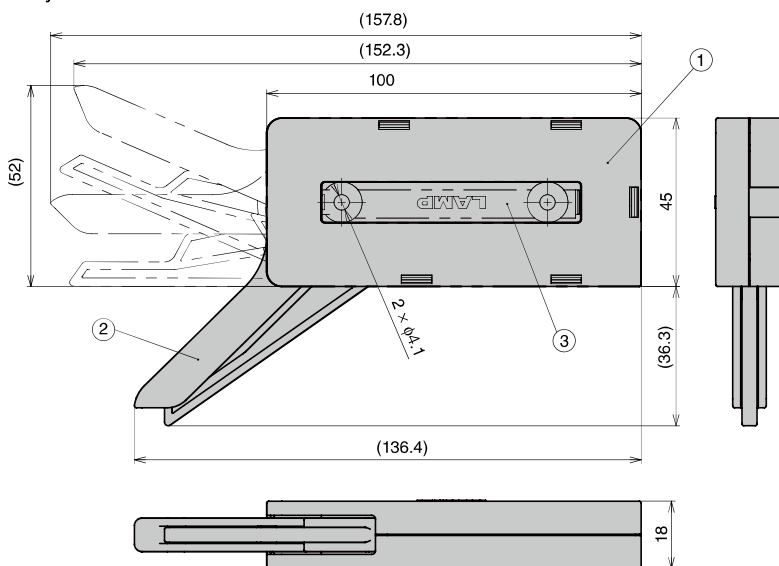


Installation Example

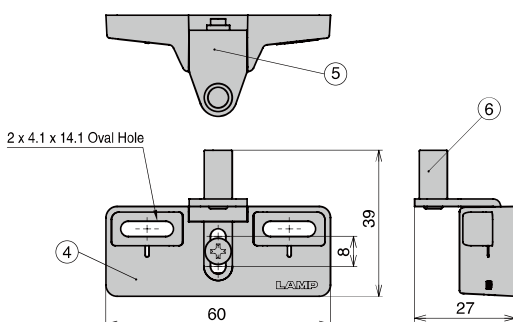


Attach to the interior of the cabinet.

Body



Counter Plate



Features

- Damper and catch combination for sideways opening doors.
- Prevents doors from slamming.
- Holds doors in closed position.
- Easy to install by simply aligning body with the interior wall.
- Non-handed.
- Can handle doors up to 40 kg. (When using DC-200 - 40).
- Strike can be adjusted post-installation: horizontally ± 5 mm, vertically ± 4 mm.
- Passed 50,000 open/close cycles in a private test.

Recommended hinges

- Heavy Duty Concealed Hinge J95 (With catch type)
- 3way Adjustable Concealed Hinge HES3D-90
- Single axis furniture hinges

Caution

- The screws for installing on sheet metal are not included. We recommend the following screws:
Recommended screws for body: Cross binding head M4 $\times$ 30
Recommended screws for counter plate: Cross binding head M4 $\times$ 15
- Do not install to body or strike to hollow surfaces.
- If there is a large resistant force during closing, the door may not close fully.

Parts included

- Body Cover
- Counter
- Screws to attach body: 3.5 $\times$ 30
- Screws to attach counter: 3.5 $\times$ 15

DAMPER CATCH

No.	Item Name	Materials	Finish/Colour
①	Body	PC/ABS	White / Black
②	Arm	PA	White / Black
③	Body Cover	ABS	White / Black
④	Counter	PC/ABS	White / Black
⑤	Counter Plate	Steel (SPCC)	Nickel Plating
⑥	Bumper	Elastomer	Gray

CAD	Item Code	Item Name	Colour	Door Width	Door Height	Load Capacity (kg)	Weight (g)	
	140-043-604	DC-200-25WT	White	450 - 900	Under 2400	7 - 25	105	
	140-043-605	DC-200-25BL	Black					
	140-043-606	DC-200-40WT	White			25 - 40		
	140-043-607	DC-200-40BL	Black					

Concealed Hinge Series Digest

Picture, Item Name	Door Width	Door Thickness	Door Weight	3-WAY Adjustment Function	Temporary Holding Feature	Page
 HES3D-70	Max. 600	Min. 19	Max. 9 kgf / 2 pcs	○	x	P.367-8
			Max. 12 kgf / 3 pcs			
 HES3D-90	Max. 600	Min. 23	Max. 12 kgf / 2 pcs	○	x	P.470
			Max. 16 kgf / 3 pcs			
 HES3D-120	Max. 900	Min. 29	Max. 30 kgf / 2 pcs	○	○	P.471
			Max. 40 kgf / 3 pcs			
 HES3D-V135LGR	Max. 600	Min. 19	Max. 9 kgf / 2 pcs	x	x	P.367-10
			Max. 12 kgf / 3 pcs			
 HES3D-W120-A100 100° OPENING	Max. 900	Min. 29	Max. 30 kgf / 2 pcs	○	○	P.F22 ADDITIONAL CATALOGUE
			Max. 40 kgf / 3 pcs			
 HES3D-W190 WIDE THROW	Max. 900	Min. 38	Max. 100 kgf / 2 pcs	○	○	P.F33 ADDITIONAL CATALOGUE
			Max. 125 kgf / 3 pcs			
 HES3D-160	Max. 900	Min. 35	Max. 45 kgf / 2 pcs	○	○	P.472
			Max. 60 kgf / 3 pcs			
 HES3D-E190	Max. 900	Min. 38	Max. 100 kgf / 2 pcs	○	○	P.473
			Max. 125 kgf / 3 pcs			
 INO-66N	700 max	15 mm	30kg / 2 pcs	○	○	P.478
 RK-50	700 max	21 mm max	50kg / 2 pcs	○	○	P.416
 R	700 max	check the locus chart	2.6kg / 2 pcs	○	○	P.416

COLOUR CUSTOMIZATION FOR HES CONCEALED HINGES

Possible to customize the colour for special requirements.

HINGES



COLOUR CUSTOMIZATION FOR HES CONCEALED HINGES / INSTALLATION TEMPLATE



GLASS DOOR BRACKET



HES3D-G90BKT



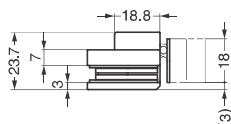
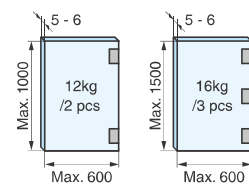
Features

- Glass door bracket for HES3D-90 series (P.470).
- Screw covers match the bracket with the finish. For the black type, please use the covers which are included with the HES3D-90 hinge.

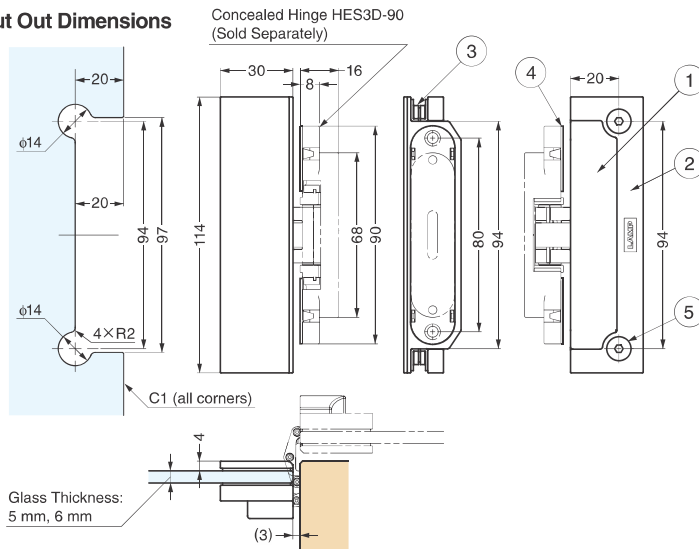
Parts Included

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

Door Dimensions and Number of Hinges



Cut Out Dimensions



No.	Part Name	Material	Finish		
			CR	GP	BL
①	Body	Zinc Alloy (ZDC)	Chrome	24K Gold plating	Black Enamel Finish
②	Back Plate				
③	Gasket	Chloroprene Rubber (CR)	—	—	—
④	Screw Cover	ABS	Chrome	24K Gold plating	—
⑤	Hexagon Socket Countersunk Head Screw M5 x 12	Steel			Black Enamel Finish

CAD	Item Code	Item Name	Colour	Weight (g)	Box (pcs)	Carton (pcs)
2D 3D	170-035-802	HES3D-G90BKT-CR	Silver	245	2	24
2D 3D	170-035-803	HES3D-G90BKT-GP	Gold	245	2	24
2D 3D	170-035-804	HES3D-G90BKT-BL	Black	245	2	24

GLASS DOOR BRACKET HES3D-G120BKT

INSTRUCTION

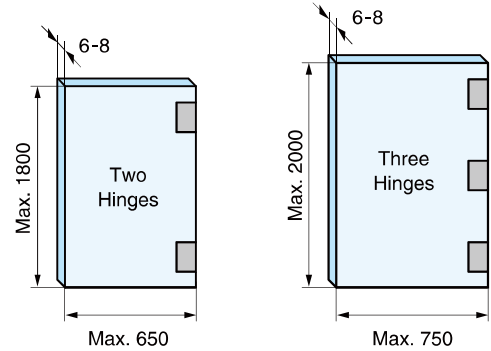


- Allows the HES3D-120 hinge 1 to be installed on glass doors.
- The silver and gold types come with screw covers in the same colours. For the black type, please use the ones included with HES3D-120BL.

[Parts Included]

- Hexagon socket countersunk head screw M5 × 12
- Countersunk head screw M4 × 12
- Hex key (size: 3)

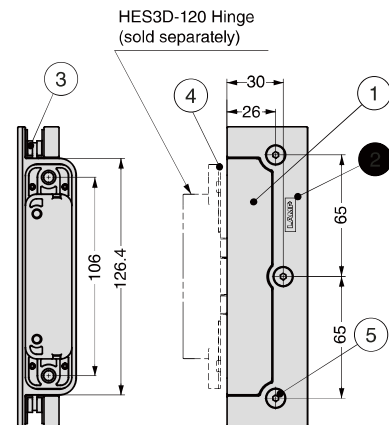
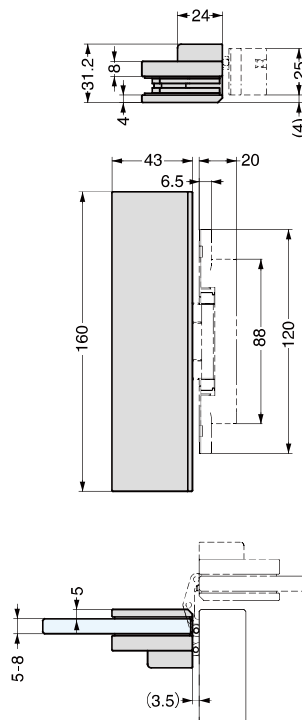
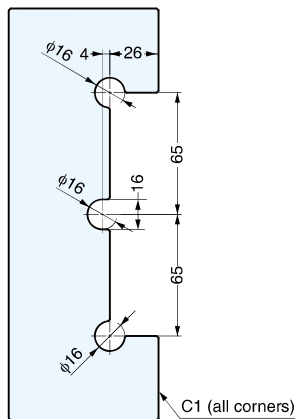
[Door Sizes and Number of Hinges]



[Component Parts]



[Cut Out Dimensions]



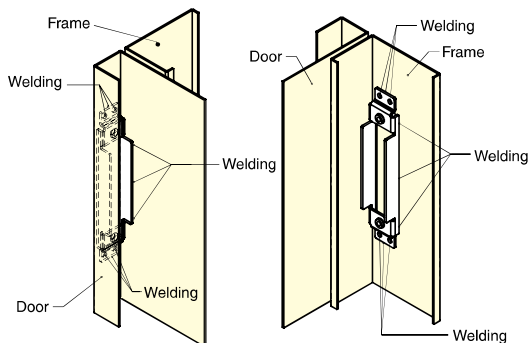
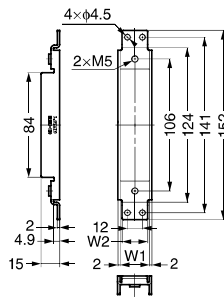
No.	Part Name	Material	Finish		
			CR	GP	BL
①	Body	Zinc Alloy (ZDC)	Chrome	24K Gold Plating	Black Enamel
②	Back Plate				
③	Gasket	Chloroprene Rubber (CR)	—	—	—
④	Screw Cover	ABS	Chrome	24K Gold Plating	—
⑤	Hexagon Socket Countersunk Head Screw M5 x 14	Steel			Black Paint

Rolts	CAD	Item Code	Item Name	Colour	Glass Thickness	Box (pcs)	Carton (pcs)
●	●	170-043-469	HES3D-G120BKT-CR	Silver	6-8	2	12
●	●	170-043-470	HES3D-G120BKT-GP	Gold		2	12
●	●	170-043-471	HES3D-G120BKT-BL	Black		2	12

Refer to 1: No.240A P.471

BRACKET OF HES3D-120 FOR SHEET METAL

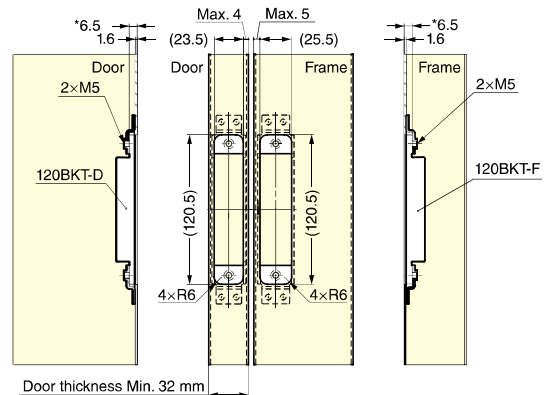
HES3D-120BKT



Features

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

Installation

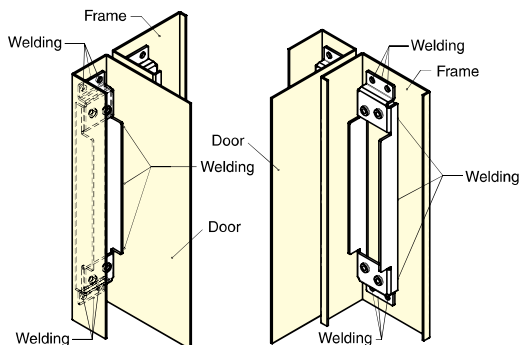
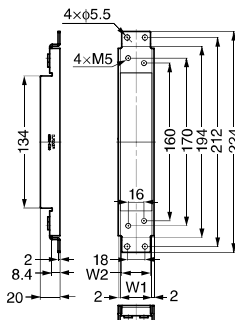


*Dimensions: For flat surface in case of 1.6 mm thick sheet metal.

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

BRACKET OF HES3D-E190 FOR SHEET METAL

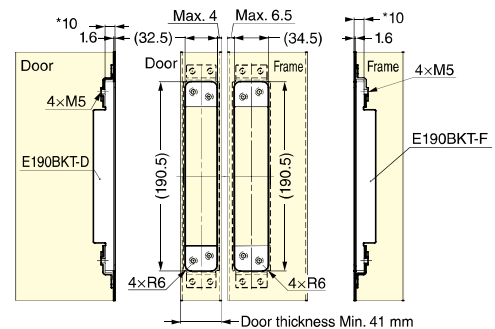
HES3D-E190BKT



Features

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

Installation



*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
170-032-741	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

THE J95 - A BIGGER STRONGER CONCEALED HINGE



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