

concept.04
Ingenious 3-way adjustment [P.07]

concept.03
Easy, time-saving installation [P.07]

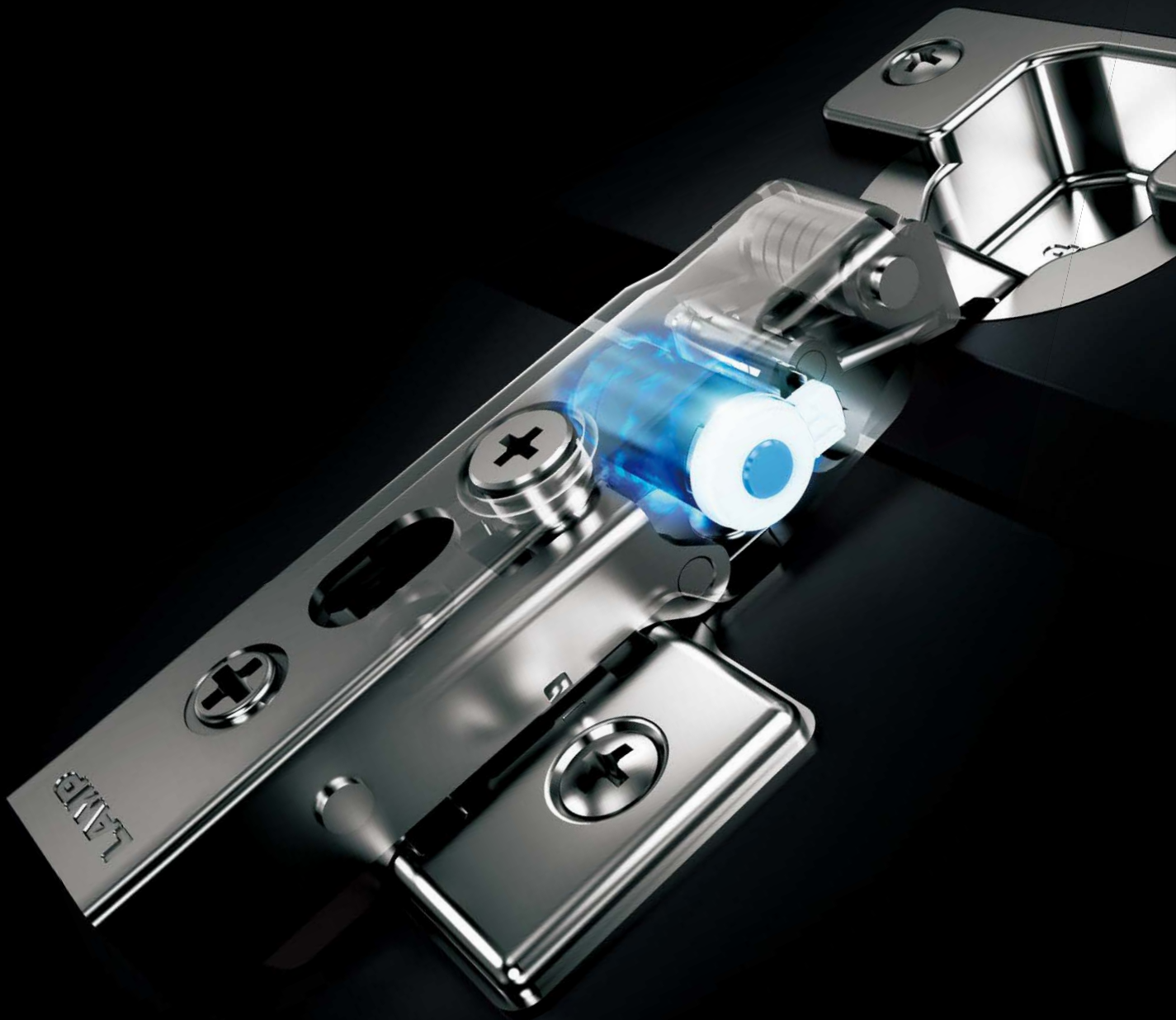
concept.01
5-speed adjustable soft close [P.04]

The Japanese hinge

Containing over 80 years of
Sugatsune knowhow

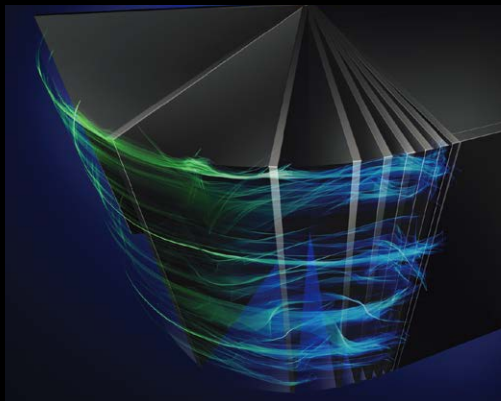
OLYMPIA
360 POWERED BY  Lapcon.

concept
01





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.

■ ■
concept
02
■ ■

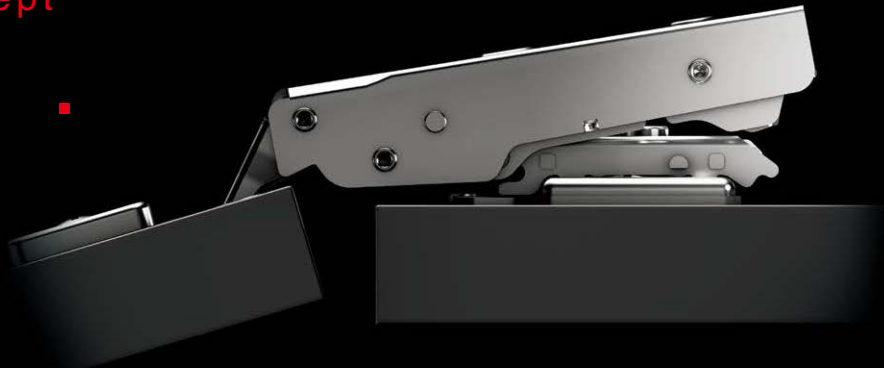
Successfully passed 200,000 cycles test.

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.
(The H360 successfully passed
100,000 private cycle test)



concept
03

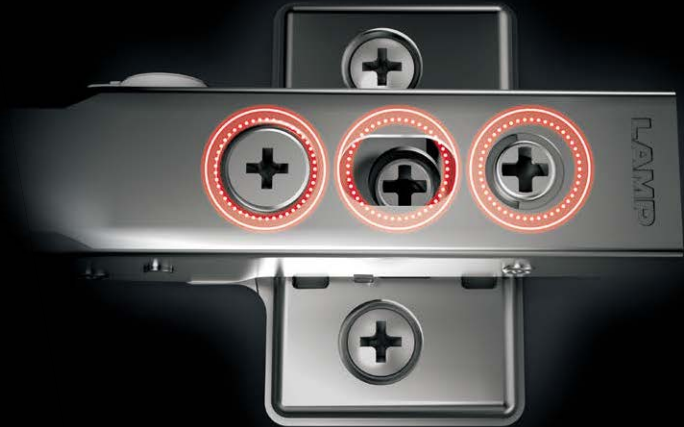


Smooth assembly for a
time-saving installation.

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.

concept
04



Depth, vertical, horizontal adjustment screws are all located on top. This was made possible because of our original damper.

For standard doors (360)

- Depth adjustment: +1.5mm, -2.5mm
- Vertical adjustment: ±2.5mm
- Overlay (Horizontal) adjustment: +0, -4mm

For thick doors (H360)

- Depth adjustment: +1.7mm, -2.8mm
- Vertical adjustment: ±2.5mm
- Overlay (Horizontal) adjustment: +0, -4mm

Inset / 93° opening

LAMP

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).

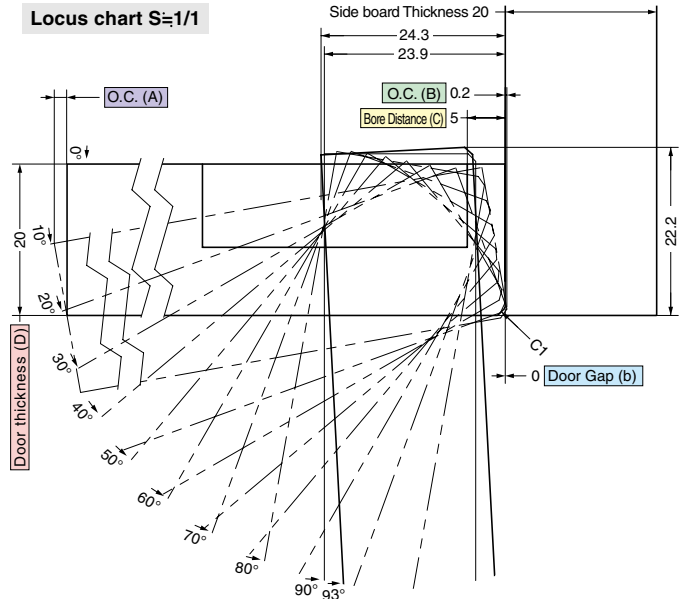
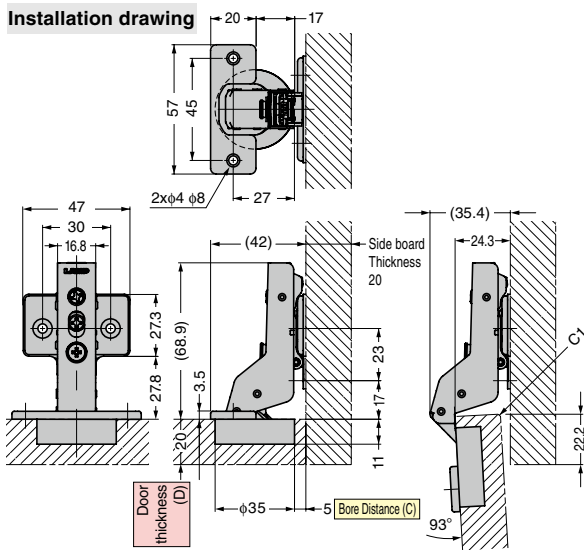
Cup size $\phi 35$
Bore Depth 11mm Door Thickness 15-20mm

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, a 5mm bore distance and inset installation.



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).

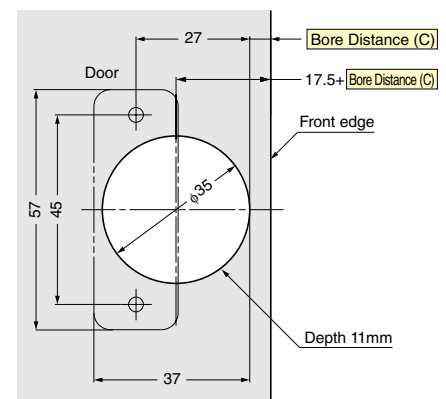
* Please refer to the locus chart if door thickness is over 20mm. O.C. (B) can be made smaller by R chamfering (round chamfer) and C chamfering (chamfer plane) on the door.

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

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

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

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

Item code	Item name	Opening angle	Type	Material	Finish	Carton
160-026-843	360-D26-OT	93°	With damper (5 levels)	Steel	Nickel	100pcs
160-026-839	360-26-OT		Without catch			200pcs
160-026-835	360-C26-OT		With catch			
160-042-392	360-U26-OT		Sprung-open			

Thick doors 26mm overlay / 100° opening

LAMP

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 -

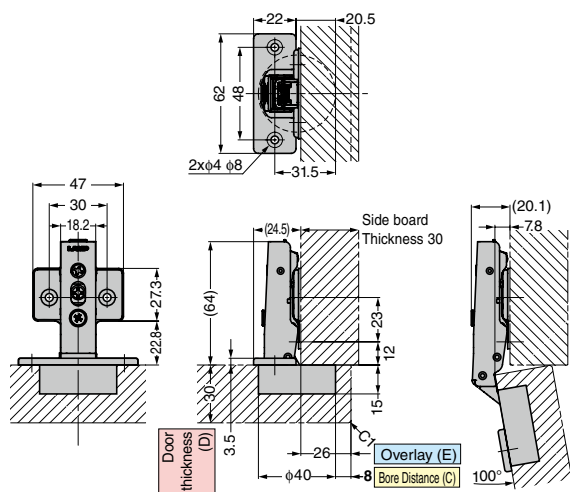
- Mounting plates
- Countersunk head tapping screw 3.5 x 15NI
- Recommended screws: (Countersunk head wood/tapping screw 3.5)

Body

Mounting plate

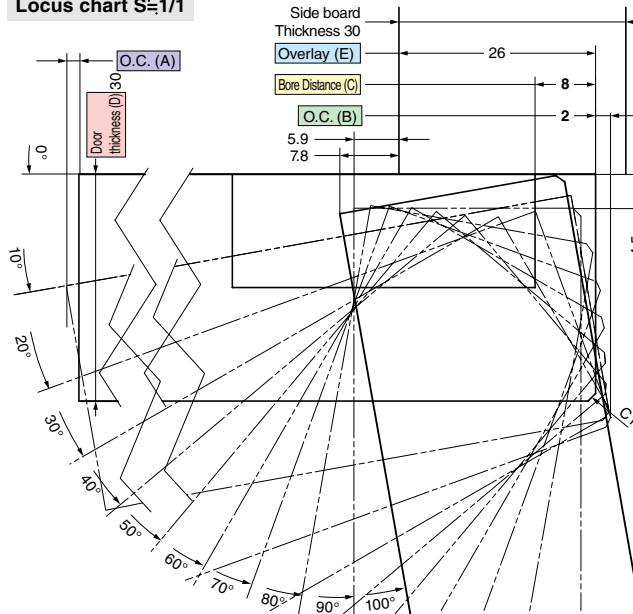
▶ The installation drawing and locus chart shown are for a 30 mm thick door and side board, 26mm overlay and a 8mm bore distance.

Installation drawing



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

Locus chart $S=1/1$



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.

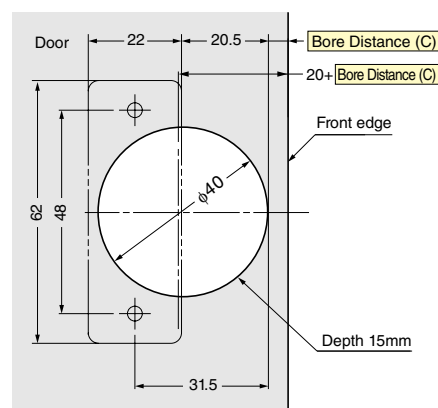
Opening clearance (B), door thickness (D) and bore distance (C) relationship

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.

Cut out dimensions (wooden doors)



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

Item code	Item name	Opening angle	Type	Material	Finish	Carton
NEW CAD 160-029-084	H360-D26-26T	100°	With damper (5 levels)	Steel	Nickel	100pcs
NEW CAD 160-029-081	H360-26-26T		Without catch			
NEW CAD 160-029-078	H360-C26-26T		With catch			

19 mm overlay / 105° opening, 85° opening

LAMP

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: ▶ 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)

Body

Mounting plate

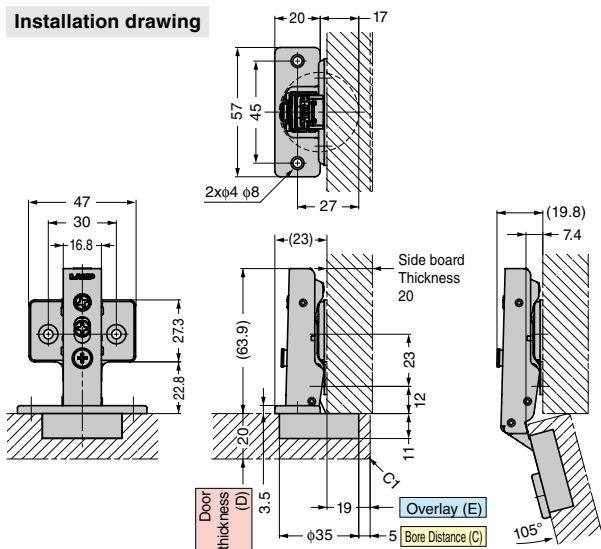
Option parts

Standard doors

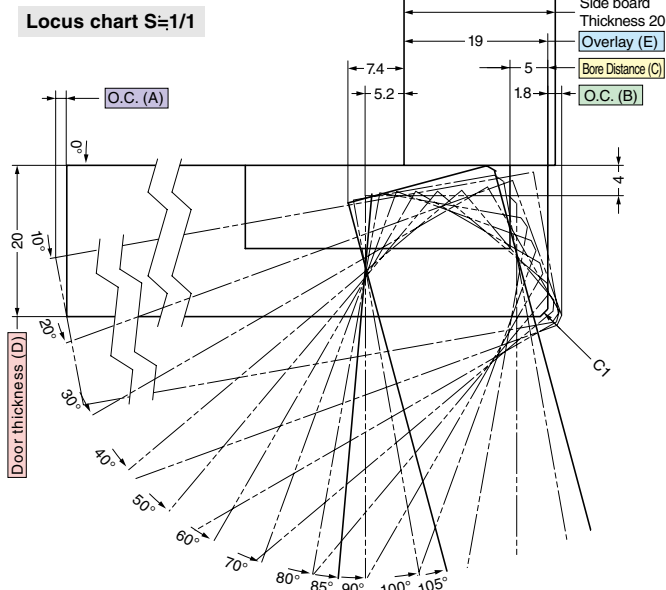
Thick doors

Glass doors

▶ 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°.



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.

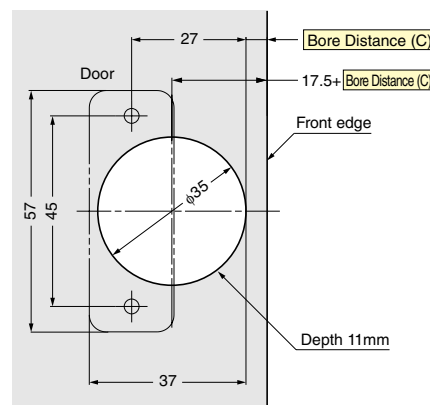
Opening clearance (B), door thickness (D) and bore distance (C) relationship

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.

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)

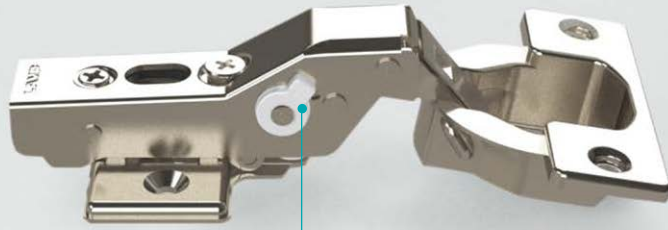
Door Width	300	400	500	600
O.C. (A)	0.13	0.09	0.07	0.06

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			
NEW CAD 160-042-389	360-U26-19T	85°	Sprung-open			100pcs
NEW CAD 160-034-889	360-D26-19T85		With damper (5 levels)			200pcs
NEW CAD 160-034-886	360-26-19T85		Without catch			
NEW CAD 160-034-883	360-C26-19T85		With catch			

Thick doors 16 mm overlay / 100° opening

LAMP

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).

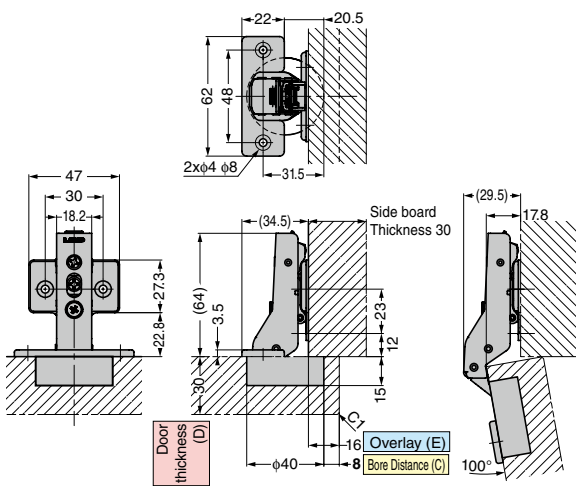
Overlay 12-16mm (when bore distance is 8mm)
Cup size $\phi 40$ Bore Depth 15mm Door Thickness 18-30mm
3D adjustment Depth: +1.7, -2.8mm, Vertical: ± 2.5 mm, Overlay: +0, -4mm

Sold separately: ▶ P.17 -

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

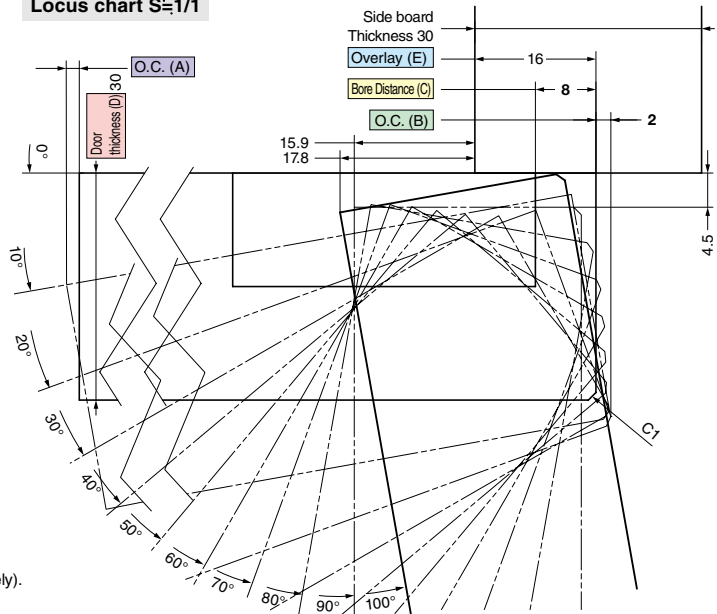
The installation drawing and locus chart shown are for a 30 mm thick door and side board, 16mm overlay and a 8mm bore distance.

Installation drawing



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

Locus chart S=1/1



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

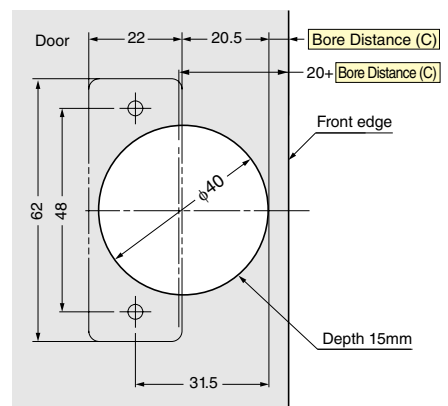
Door Thickness (D)	Bore Distance (C)					
	3	4	5	6	7	8
18	0.1	0.1	0.1	0.1	0.1	0.1
20	0.3	0.3	0.3	0.3	0.3	0.3
22	0.5	0.5	0.5	0.5	0.5	0.5
24	0.8	0.8	0.8	0.8	0.8	0.8
26	1.3	1.2	1.2	1.1	1.1	1.1
28	3.6	2.6	1.6	1.6	1.5	1.5
30	6.0	5.0	4.0	3.0	2.1	2.0
32*	8.4	7.4	6.4	5.4	4.4	3.4
34*	10.8	9.8	8.8	7.8	6.8	5.8

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.

Cut out dimensions (wooden doors)



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	Carton
NEW CAD G 160-029-085	H360-D26-16T	100°	With damper (5 levels)	Steel	Nickel	100pcs
NEW CAD G 160-029-082	H360-26-16T		Without catch			
NEW CAD G 160-029-079	H360-C26-16T		With catch			