

SM SERIES

SM Series 100° Stainless Steel Soft Closing Concealed Hinge for Thin Doors


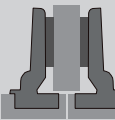


Specification

Opening Angle	100°
Function	Soft Close
Plate Type	Clip On
Cup Depth	10 mm
Cup Diameter	35 mm
Drilling Distance	3 mm - 7 mm
Door Thickness	12 mm - 22 mm
Material	Stainless Steel 304
Height Adjustment Range	Plate Adjustment
Overlay Adjustment Range	6 mm
Depth Adjustment Range	3.8 mm
Finish	Stainless Steel
Packaging	200 Units per Carton

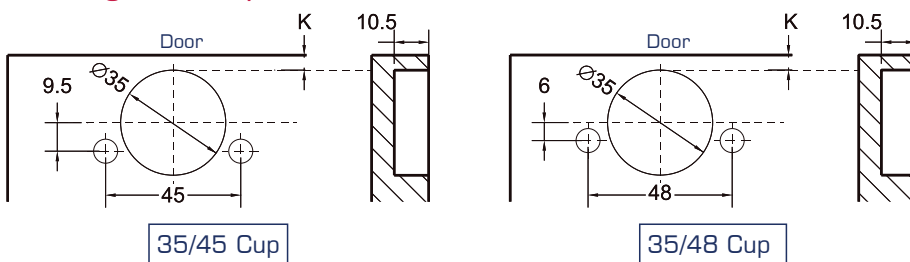
Notable Features

- Stainless steel 304 body with brass damper for very high corrosion resistance.
- Shallow cup for installation on thin doors usually used in bathroom cabinets.
- Ideal for installation in kitchens, bathrooms, beach houses and buildings in humid climates.
- 10 year warranty on function and rust resistance.

	Full Overlay		Half Overlay		Inset
	Code: SMT250F		Code: SMT250H		Code: SMT250S

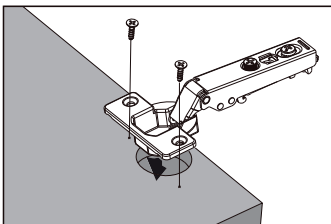
Additional Options: 1P - Individual Hinge, Caps for Arm and Cup, Mounting Plate and Screws in Sealed Bag
2P - Pair of Hinges, Caps for Arm and Cup, Mounting Plates and Screws in Sealed Bag
ND - No Damper

Drilling For Cup



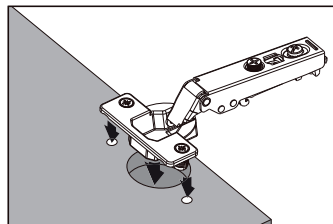
Cup Installation

Screw-on



Installation Method	Code
Wood Screws	S2
Euro Screws	S4

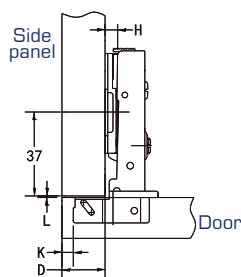
Press-in



Installation Method	Code
8 mm Dowels	K5
10 mm Dowels	K6

Overlay Table

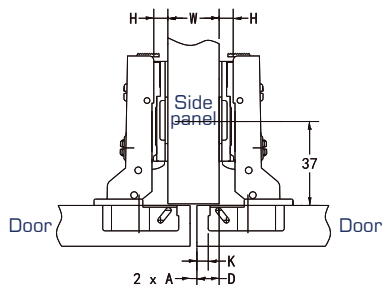
Full Overlay



$$H = 14 + K - D$$

$\begin{matrix} D & K \\ H \end{matrix}$	3	4	5	6	7
0	17	18	19	20	21
2	15	16	17	18	19

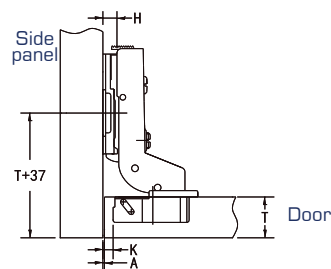
Half Overlay



$$H = 4 + K - D$$

$\begin{matrix} D & K \\ H \end{matrix}$	3	4	5	6	7
0	7	8	9	10	11
2	5	6	7	8	9

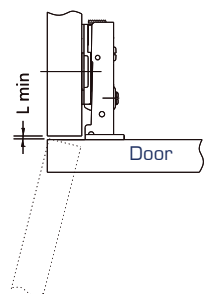
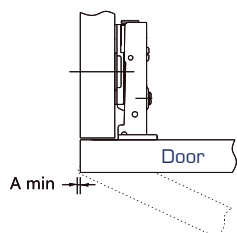
Inset



$$H = -4 + K + A$$

$\begin{matrix} A & K \\ H \end{matrix}$	3	4	5	6	7
0	1	0	-1	-2	-3
2	3	2	1	0	-1

Minimum Reveal Table



$\begin{matrix} A & K \\ T \end{matrix}$	14	15	16	17	18	19	20	21	22
3	0.7	0.9	1.1	1.3	1.7	1.9	2.2	2.6	3.0
4	0.7	0.9	1.1	1.3	1.5	1.8	2.1	2.5	2.9
5	0.6	0.8	1.0	1.2	1.5	1.8	2.1	2.4	2.8
6	0.6	0.8	1.0	1.2	1.5	1.7	2.0	2.4	2.8
7	0.6	0.8	0.9	1.2	1.4	1.7	2.0	2.3	2.7

$\begin{matrix} L & K \\ T \end{matrix}$	14	15	16	17	18	19	20	21	22
3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
5	1.0	1.0	1.0	1.0	1.2	1.3	1.6	1.8	2.0
6	1.0	1.1	1.3	1.5	2.1	2.3	2.6	2.8	3.0
7	1.8	2.1	2.3	2.5	3.1	3.3	3.6	3.8	4.0

K = Boring distance

T = Door thickness

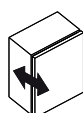
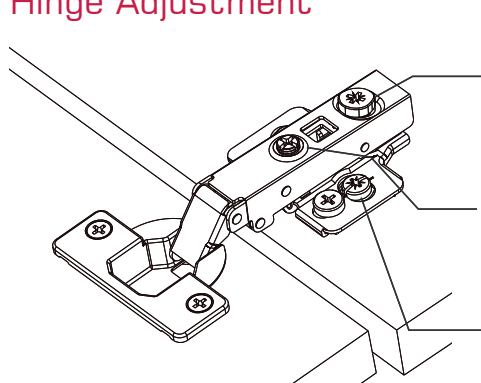
A = Minimum gap (A) for door with a door edge radius

L = Gap between door and panel

Note:

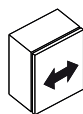
The minimum parameters in the reveal tables are based on doors with straight, square edges. A rounded or beveled profile will change the minimum reveal required.

Hinge Adjustment



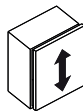
Depth Adjustment

Rotate the hinge arm cam to increase or decrease door gap.



Horizontal Adjustment

Rotate the hinge arm screw to increase or decrease door overlay.



Vertical Adjustment

Adjust the mounting plate to increase or decrease the door height.

Note:

The referenced adjustment range described is the product design range. The actual design of the cabinet and the drilling method may have a certain impact on the parameters.

Plate Options: SD SR SE SF