

LV SERIES

LV Series 95° Soft Closing Concealed Hinge for Thick Doors



Specification

Opening Angle	95°
Function	Soft Close
Plate Type	Clip On
Cup Depth	12 mm
Cup Diameter	35 mm
Drilling Distance	3 mm - 8 mm
Door Thickness	15 mm - 28 mm
Material	Cold Rolled Steel
Height Adjustment Range	Plate Adjustment
Overlay Adjustment Range	6 mm
Depth Adjustment Range	5 mm
Finish	Copper Nickel
Packaging	200 Units per Carton

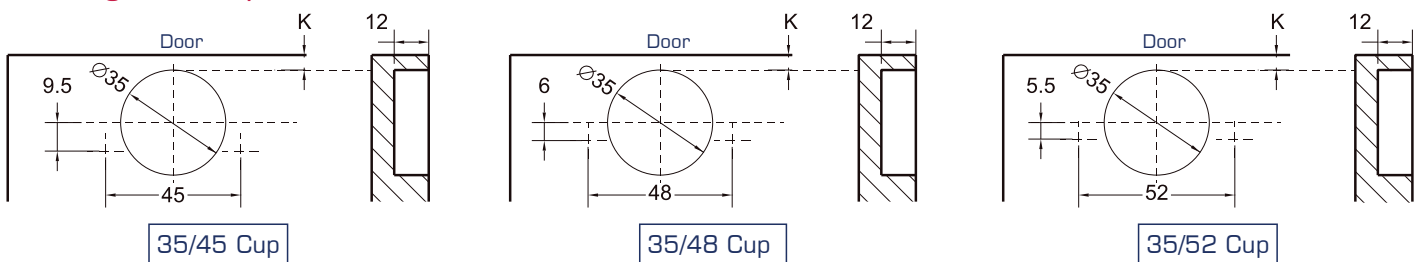
Notable Features

- Suitable for use on thick doors while using a 35 mm cup instead of conventional 40 mm.
- Saves labor time and equipment costs by eliminating the need to switch between two sets of drilling tools.

	Full Overlay Code: LVC210F		Half Overlay Code: LVC210H		Inset Code: LVC210S
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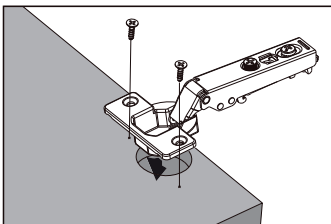
Additional Options: 1P - Individual Hinge, Caps for Arm and Cup, Mounting Plate and Screws in Sealed Bag
2P - Pair of Hinges, Caps for Arm and Cup, Mounting Plates and Screws in Sealed Bag

Drilling For Cup



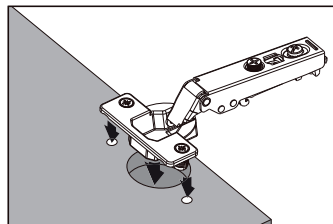
Cup Installation

Screw-on



Installation Method	Code
Wood Screws	S2
Euro Screws	S4

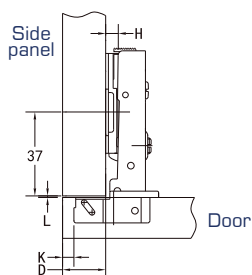
Press-in



Installation Method	Code
8 mm Dowels	K5
10 mm Dowels	K6

Overlay Table

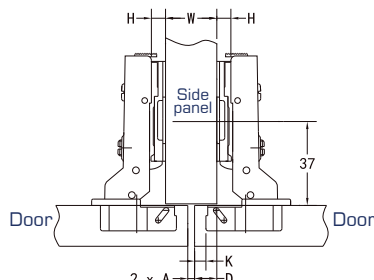
Full Overlay



$$H = 14 + K - D$$

$\begin{matrix} D & K \\ H \end{matrix}$	3	4	5	6	7	8
0	17	18	19	20	21	22
2	15	16	17	18	19	20
4	13	14	15	16	17	18

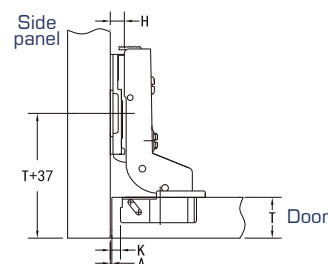
Half Overlay



$$H = 4 + K - D$$

$\begin{matrix} D & K \\ H \end{matrix}$	3	4	5	6	7	8
0	7	8	9	10	11	12
2	5	6	7	8	9	10
4	3	4	5	6	7	8

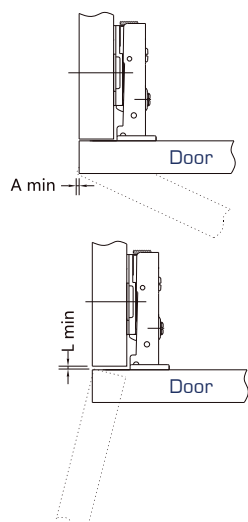
Inset



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

$\begin{matrix} A & K \\ H \end{matrix}$	3	4	5	6	7	8
0	1	0	-1	-2	-3	-4
2	3	2	1	0	-1	-2
4	5	4	3	2	1	0

Minimum Reveal Table



$\begin{matrix} A & K \\ T \end{matrix}$	15	16	17	18	19	20	21	22	23	24	25	26	27	28
3	0.2	0.4	0.7	0.9	1.1	1.4	1.6	1.8	2.1	2.3	2.5	2.8	3.4	3.9
4	0.2	0.4	0.7	0.9	1.1	1.4	1.6	1.8	2.1	2.3	2.5	2.8	3.0	3.3
5	0.2	0.4	0.7	0.9	1.1	1.4	1.6	1.8	2.1	2.3	2.5	2.8	3.0	3.3
6	0.2	0.4	0.7	0.9	1.0	1.4	1.6	1.8	2.1	2.3	2.5	2.8	3.0	3.3
7	0.2	0.4	0.7	0.8	1.0	1.2	1.4	1.6	1.9	2.1	2.3	2.5	2.8	3.2
8	0.2	0.4	0.7	0.8	1.0	1.2	1.4	1.6	1.9	2.1	2.3	2.5	2.8	3.2

$\begin{matrix} L & K \\ T \end{matrix}$	15	16	17	18	19	20	21	22	23	24	25	26	27	28
3	1.0	1.0	1.0	1.0	1.0	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	1.0	1.0	1.0	1.0	1.0
5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.2
8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.7

K = Boring distance

T = Door thickness

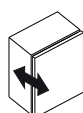
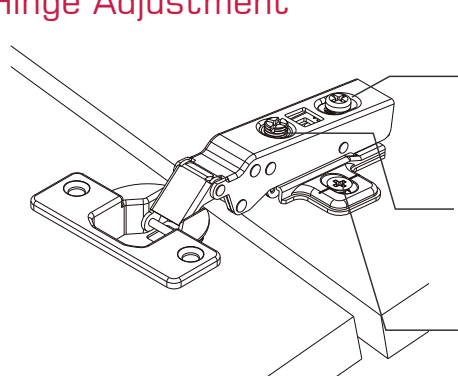
A = Minimum gap (A) for door with a door edge radius

L = Gap between door and panel

Note:

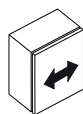
The minimum parameters in the reveal tables are based on doors with straight, square edges. A rounded or beveled profile will change the minimum reveal required.

Hinge Adjustment



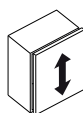
Depth Adjustment

Move the hinge laterally to adjust door gap.



Horizontal Adjustment

Rotate the hinge arm 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: DS TS FP FS FM FN YD YS YT YP