

RB SERIES

RB Series 105° One-way Soft Closing Concealed Hinge with Fixed Plate





Specification

Opening Angle	105°
Function	Soft Close
Plate Type	Fixed Plate
Cup Depth	11.5 mm
Cup Diameter	35 mm
Drilling Distance	3 mm - 7 mm
Door Thickness	14 mm - 22 mm
Material	Cold Rolled Steel
Height Adjustment Range	4 mm
Overlay Adjustment Range	6 mm
Depth Adjustment Range	9 mm
Finish	Copper Nickel
Packaging	100 Units per Carton

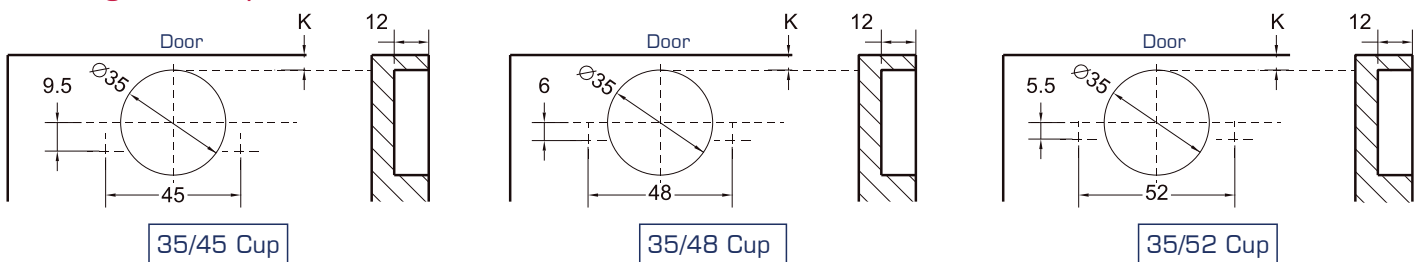
Notable Features

- Large range of adjustment.
- High tolerance for inaccuracies in cabinet manufacture.

	Full Overlay Code: RBN210F		Half Overlay Code: RBN210H		Inset Code: RBN210S
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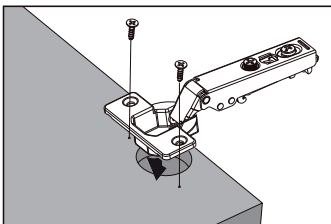
Additional Options: 1P - Individual Hinge, Caps for Arm and Cup, Mounting Plate and Screws in Sealed Bag
2P - Pair of Hinges, Caps for Arm and Cup, Mounting Plates and Screws in Sealed Bag
ND - No Damper

Drilling For Cup



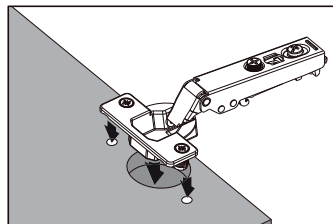
Cup Installation

Screw-on



Installation Method	Code
Wood Screws	S2
Euro Screws	S4

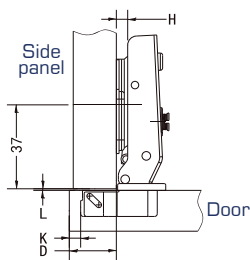
Press-in



Installation Method	Code
8 mm Dowels	K5
10 mm Dowels	K6

Overlay Table

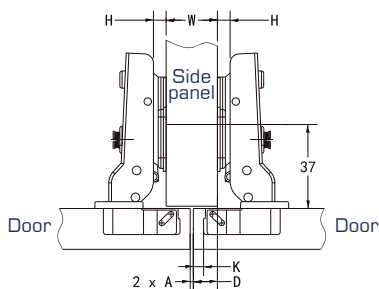
Full Overlay



$$H = 16 + K - D$$

$\begin{matrix} D & K \\ H \end{matrix}$	3	4	5	6	7
0	19	20	21	22	23
2	17	18	19	20	21
4	15	16	17	18	19

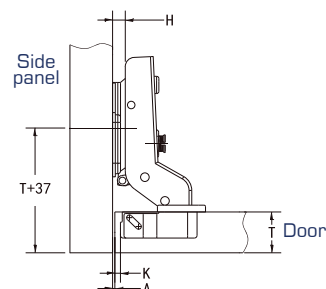
Half Overlay



$$H = 6 + K - D$$

$\begin{matrix} D & K \\ H \end{matrix}$	3	4	5	6	7
0	9	10	11	12	13
2	7	8	9	10	11
4	5	6	7	8	9

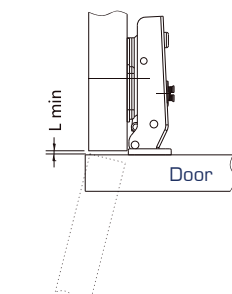
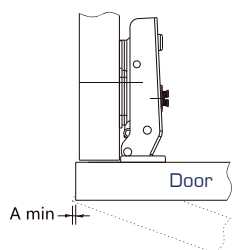
Inset



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

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

Minimum Reveal Table



$\begin{matrix} A & K \\ T \end{matrix}$	14	15	16	17	18	19	20	21	22
3	0.3	0.5	0.7	0.9	1.2	1.5	1.8	2.2	2.6
4	0.3	0.5	0.7	0.9	1.1	1.4	1.8	2.1	2.5
5	0.2	0.4	0.6	0.9	1.1	1.4	1.7	2.0	2.4
6	0.2	0.4	0.6	0.8	1.1	1.3	1.6	2.0	2.4
7	0.2	0.4	0.5	0.8	1.0	1.3	1.6	1.9	2.3

$\begin{matrix} L & K \\ T \end{matrix}$	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	1.2
5	1.0	1.0	1.0	1.0	1.0	1.3	1.5	1.8	2.0
6	1.0	1.3	1.5	1.8	2.0	2.3	2.5	2.8	3.0
7	2.0	2.3	2.5	2.7	3.0	3.2	3.5	3.7	3.9

K = Boring distance

T = Door thickness

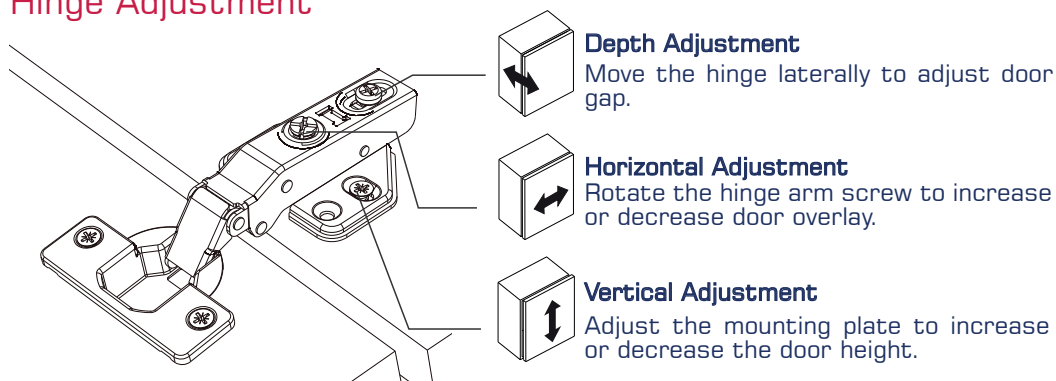
A = Minimum gap (A) for door with a door edge radius

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



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.