

# AN SERIES

## AN Series 105° Slide-on Two- Way Regular Concealed Hinge for Aluminum Frames



### Specification

<b>Opening Angle</b>	105°
<b>Function</b>	Auto Close
<b>Plate Type</b>	Slide On
<b>Cup Depth</b>	Aluminum Frame Die Cut
<b>Cup Diameter</b>	42/28 mm
<b>Drilling Distance</b>	Aluminum Frame Die Cut
<b>Door Thickness</b>	19 mm - 23 mm
<b>Material</b>	Cold Rolled Steel
<b>Height Adjustment Range</b>	Plate Adjustment
<b>Overlay Adjustment Range</b>	6 mm
<b>Depth Adjustment Range</b>	5 mm
<b>Finish</b>	Copper Nickel
<b>Packaging</b>	200 Units per Carton

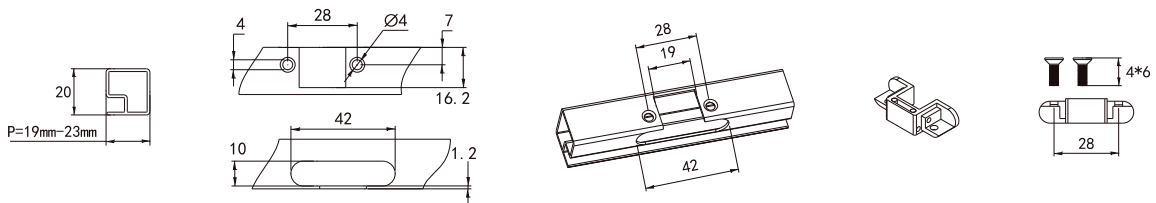
### Notable Features

- Heavy duty product.
- Designed for thin aluminum frame.
- Flush installation for minimal effect on cabinet design.



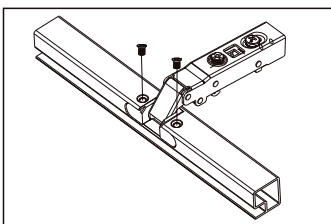
**Additional Options:** 1P - Individual Hinge, Caps for Arm and Cup, Mounting Plate and Screws in Sealed Bag  
2P - Pair of Hinges, Caps for Arm and Cup, Mounting Plates and Screws in Sealed Bag

### Drilling For Cup



### Cup Installation

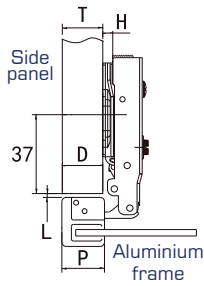
#### Screw-on



**Installation Method** Code  
Wood Screws S5

## Overlay Table

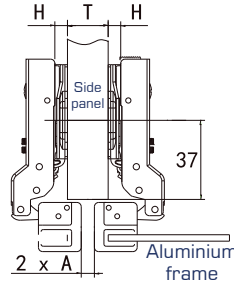
### Full Overlay



$$H = -2 + P - D$$

D \ P	19	20	21	22	23
0	17	18	19	20	21
2	15	16	17	18	19
4	13	14	15	16	17

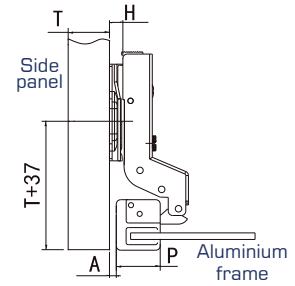
### Half Overlay



$$H = 12 + P - D$$

D \ P	19	20	21	22	23
0	7	8	9	10	11
2	5	6	7	8	9
4	3	4	5	6	7

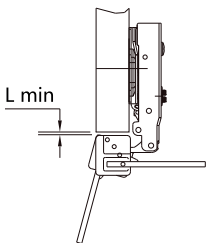
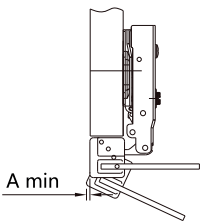
### Inset



$$H = 20 + P + A$$

A \ P	19	20	21	22	23
0	1	0	-1	-2	-3
2	3	2	1	0	-1
4	5	4	3	2	1

## Minimum Reveal Table



A \ P	14	15	16	17	18	19	20	21	22
19	0,3	0,5	0,7	0,9	1,2	1,5	1,8	2,2	2,6
20	0,3	0,5	0,7	0,9	1,1	1,4	1,8	2,1	2,5
21	0,2	0,4	0,6	0,9	1,1	1,4	1,7	2,0	2,4
22	0,2	0,4	0,6	0,8	1,1	1,3	1,6	2,0	2,4
23	0,2	0,4	0,5	0,8	1,0	1,3	1,6	1,9	2,3

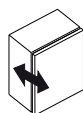
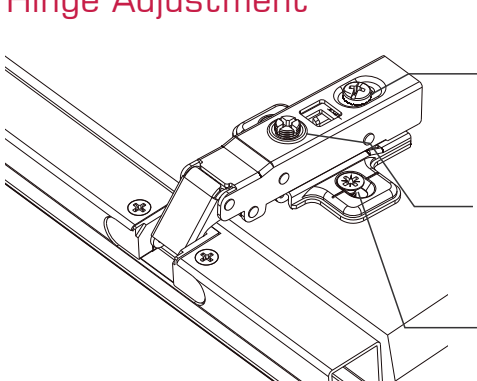
L \ T	K	14	15	16	17	18	19	20	21	22
3	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
4	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,2
5	0,0	0,0	0,0	0,0	0,0	0,3	0,5	0,8	1,0	
6	0,0	0,3	0,5	0,8	1,0	1,3	1,5	1,8	2,0	
7	1,0	1,3	1,5	1,7	2,0	2,2	2,5	2,7	2,9	

K = Boring distance  
 P = Aluminum frame width  
 T = Door thickness  
 A = Minimum gap (A) for door with a door edge radius  
 L = Gap between door and panel

### Note:

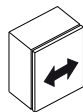
The minimum parameters in the reveal tables are based on doors with straight, square edges. A rounded or beveled profile will change the minimum reveal required.

## Hinge Adjustment



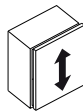
### Depth Adjustment

Move the hinge laterally to adjust door gap.



### Horizontal Adjustment

Rotate the hinge arm 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: RT RF