CONCEALED HINGE (STAINLESS STEEL) 180SUS

Latest Info

Soft-close

Picture above is the combination of concealed hinge and mounting plate.

SUS

Specifications

- 3D adjustment : Depth: ±2 mm (from centre of long hole), Vertical: ±2 mm (from centre of long hole), Overlay: ±2 mm (at 5 mm cut and 17 mm cover).
- Passed the in-house neutral salt spray test, meeting the 480-hour corrosion resistance standard in accordance with ISO 9227 (equivalent to DIN EN 1670).

Sold Separately

- Stainless Steel Mounting Plate 1

Recommended screw

- Countersunk or round countersunk head wood/tapping screw 3.5

Remarks

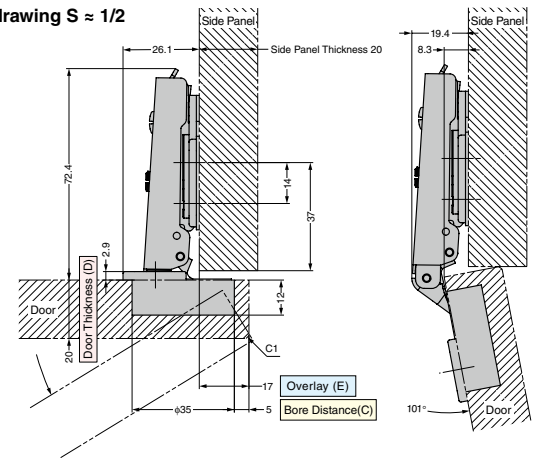
- The body of the hinge, excluding the damper, is made of stainless steel.

RoHS	CAD	Item Code	Item Name	Type	Material	Finish	Weight (g)	Carton
–	2D 3D	160-056-878	180SUS-D46-19T	Built-in Damper	Stainless Steel (SUS304)	Barrel Polishing	62	200
–	2D 3D	160-056-879	180SUS-C46-19T	w/ Catch			58	200

Mounting Plate (sold separately) is required for installation. Please order separately.

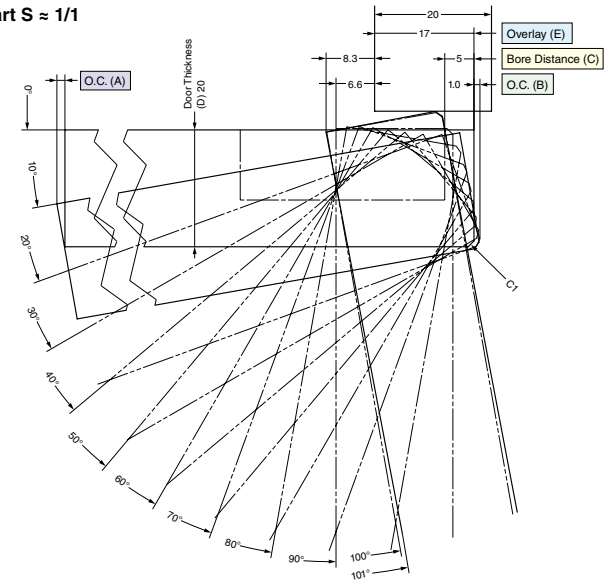
105°Opening **19 mm Overlay** **Door Thickness 15 - 20 mm**

Installation drawing S ≈ 1/2



Drawing above shows 180SUS-D46-19T or 180SUS-C46-19T on 180SUS-P6T mounting plate: 5 mm bore distance, 20 mm door thickness, 17 mm overlay.

Locus chart S ≈ 1/1



Drawing above shows 5 mm bore distance, 20 mm door thickness, 20 mm side panel thickness, 17 mm overlay.

Bore Distance (C)

Bore Distance (C)	3	4	5
Overlay (E)	15	16	17

For standard type mounting plate 0 mm thickness. Turning the overlay adjustment screw to adjust overlay. (Adjustment range: ±2 mm)

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.

O.C. (B)

Door Thickness (D)	Bore Distance (C) 3	4	5
15	0.1	0.1	0.1
16	0.2	0.2	0.2
17	0.4	0.4	0.3
18	0.6	0.5	0.5
19	0.8	0.8	0.8
20	1.1	1.1	1.0
21*	1.6	1.5	1.4
22*	2.3	2.0	1.8
	O.C. (B)		

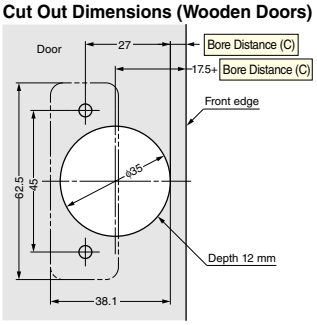
*Please refer to the locus chart if door thickness is over 20 mm. (O.C. (B) can be reduced by machining the R and C faces on the door.)

O.C. (A)

Door Thickness (D)	Door Width 300	400	450	500	600
20	0.24	0.18	0.15	0.14	0.12
	O.C. (A)				

*Reference values for door widths 500 and 600.

Cut Out Dimensions (Wooden Doors)



Door Dimensions and Number of Hinges 2

Refer to 1 :P.A30, 2 :P.A30