

G180SUS Stainless Steel Soft Closing Concealed Hinge

105° opening · 19 mm overlay · Door thickness 15 ~ 20 mm

Features

- 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) xt

Recommended Screws

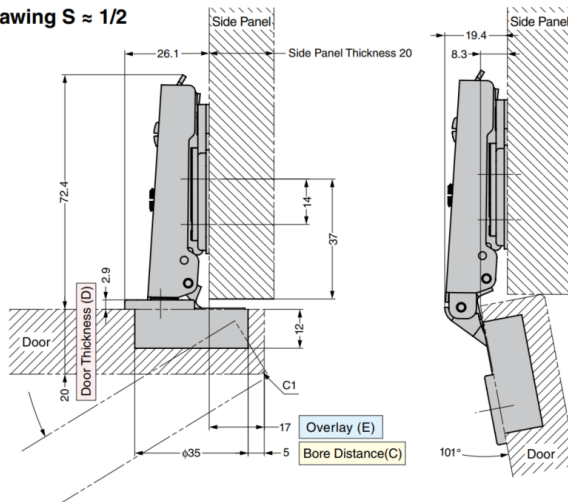
- Countersunk or round countersunk head wood/tapping screw 3.5



Above picture is combination of concealed hinge and mounting plate (sold separately)

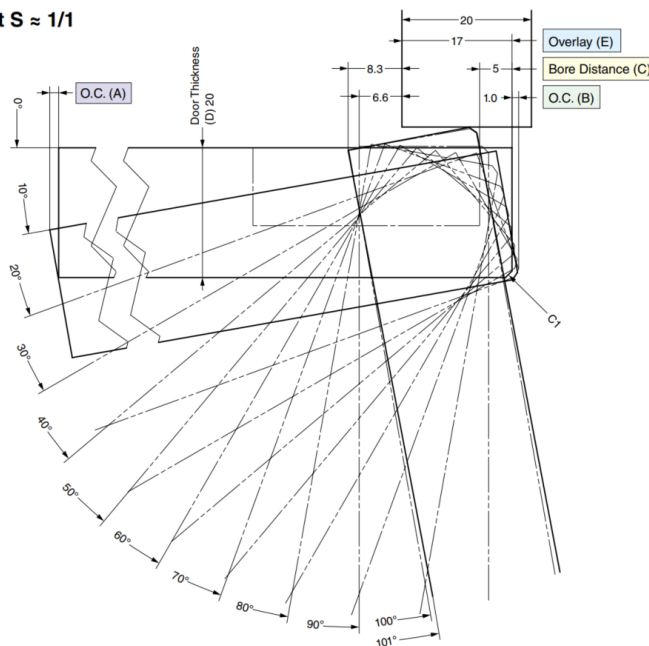
Part No.	Type	Material	Finish
G180SUS-D46-19T	Built-in Damper	Stainless Steel 304	Barrel Polishing
G180SUS-C46-19T	With Catch		

Installation drawing S $\approx 1/2$



Drawing above shows G180SUS-D46-19T or G180SUS-C46-19T on G180SUS-P6T mounting plate: 5 mm bore distance, 20 mm door thickness, 17 mm overlay.

Locus chart S $\approx 1/1$



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)			

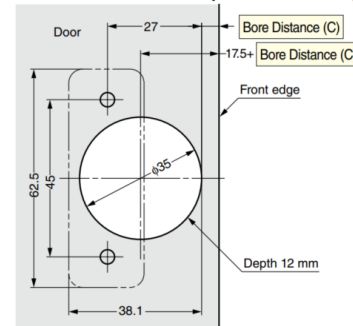
*Please refer to the locus chart if door thickness is over 20 mm. (O.C. (B) can be reduced by machining the R and C faces on the door.)

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)



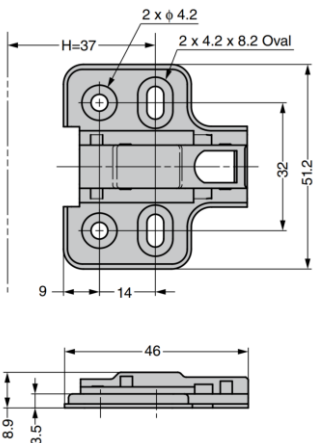
G180SUS-P6T Stainless Steel Mounting Plate Hinge

Features

- Mounting plate for **G180SUS** concealed hinge
- Door Adjustment Function (± 2 mm up/down)
- Thickness: 0 mm (standard thickness)

Material

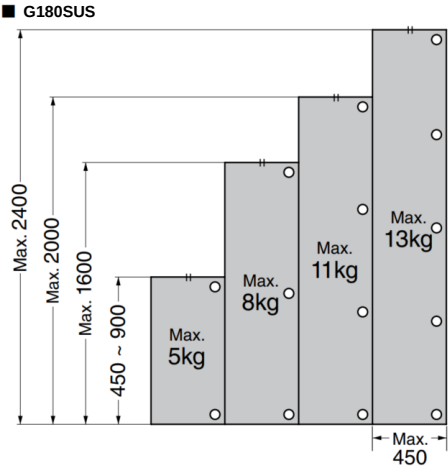
- Stainless steel 304, barrel polishing



Part No.
G180SUS-P6T

Door size and recommended hinge quantity

The number of hinges mounted varies according to the door dimensions. For doors of the same weight, a larger distance between the upper and lower hinges will enhance strength. Generally, when using 3 hinges, the intermediate hinge should be a little higher than the centre point between the upper and lower hinges for enhanced strength. Note: Use the figure only as a guideline.



Door Width	Door Thickness	Installation Pitch
Max. 450	Max. 20	Min. 300

Caution

- Set door centre of gravity at door centre.
- If you want to increase the door width, please increase the number of hinges accordingly.
- Attach the upper and lower hinges within 100 mm from the edge of the door. When using three or more, install at regular intervals.
- Figures shown in the diagram are only indicative. Please always test before finalising your design.
- Please contact us for any other configuration.
- All screw holes should be used.