

LAMP CONCEALED HINGE (STAINLESS STEEL) **180SUS** 105° Opening / 6-10 mm Overlay **NEW**Latest  
Info

## Soft-close



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

SUS

## Specifications

- 3D adjustment : Depth:  $\pm 2$  mm (from centre of long hole), Vertical:  $\pm 2$  mm (from centre of long hole), Overlay:  $\pm 2$  mm (at 5 mm cut and 8 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

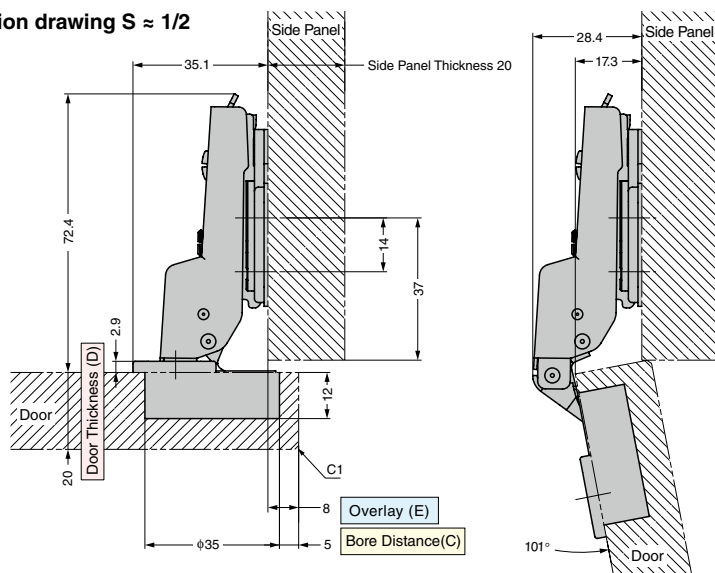
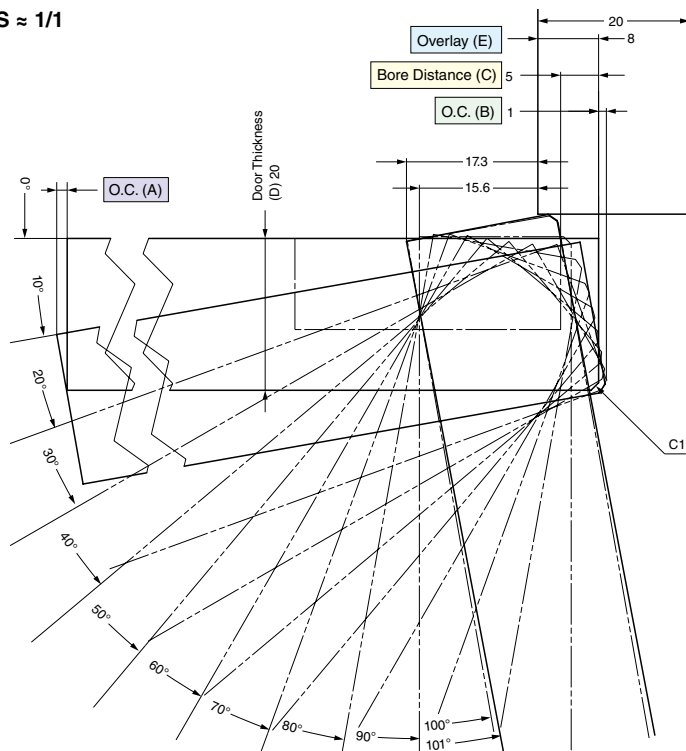
- The body of the hinge, excluding the damper, is made of stainless steel.

| RoHS | CAD | Item Code   | Item Name      | Type            | Material                 | Finish    | Weight (g) | Carton  |
|------|-----|-------------|----------------|-----------------|--------------------------|-----------|------------|---------|
| ●    | 2D  | 160-059-727 | 180SUS-D46-10T | Built-in Damper | Stainless Steel (SUS304) | Barrel    | 65         | 200 pcs |
| ●    | 2D  | 160-059-728 | 180SUS-C46-10T | w/ Catch        |                          | Polishing | 61         | 200 pcs |

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

**105° Opening** Applicable overlay range: 6–10 mm (with 5 mm bore distance) Door Thickness 15 - 20 mm

Drawing shown is based on a 5 mm bore distance, 20 mm door thickness, and 8 mm overlay, using 180SUS-D46-10T or 180SUS-C46-10T with the 180SUS-P6T mounting plate (sold separately).

Installation drawing S  $\approx$  1/2Locus chart S  $\approx$  1/1Refer to **1**:PA002, **2**:PA002

## Bore Distance (C)

| Bore Distance (C) | 3 | 4 | 5 |
|-------------------|---|---|---|
| Overlay (E)       | 6 | 7 | 8 |

For standard type mounting plate 0 mm thickness. Turning the overlay adjustment screw to adjust overlay. (Adjustment range:  $\pm 2$  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 |

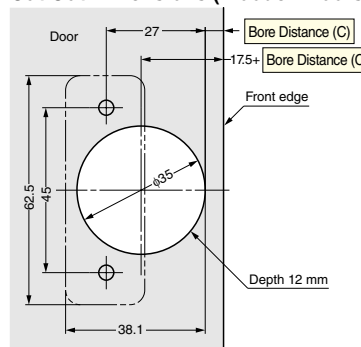
\*Please refer to the locus chart if door thickness is over 20 mm. (O.C. (B) can be reduced by machining the R and C faces on the door.)

## O.C. (A)

| Door Thickness (D) | Door Width |      |      |      |      |
|--------------------|------------|------|------|------|------|
|                    | 300        | 400  | 450  | 500  | 600  |
| 20                 | 0.24       | 0.18 | 0.15 | 0.14 | 0.12 |

\*Reference values for door widths 500 and 600.

## Cut Out Dimensions (Wooden Doors)

Door Dimensions and Number of Hinges **2**