



Sensys 110° Clip On Soft Close and Non Soft Close Hinges TECHNICAL SPECIFICATION

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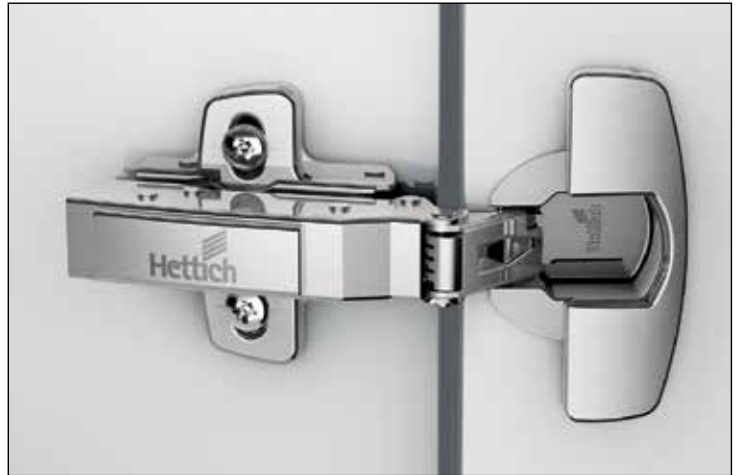
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Sensys 110° CLIP ON SOFT CLOSE & NON SOFT CLOSE HINGES

- Concealed hinge with clip on installation with and without integrated Silent System
- Quality classification under EN 15570, Level 3
- For door thickness 15 - 24mm
- Cup diameter 35mm
- Cup depth 12.8mm
- Integrated +/- 2mm overlay adjustment
- Integrated depth adjustment + 3mm / - 2mm
- Height adjustment at mounting plate
- Hinge arm & cup material: nickel plated steel



SOFT CLOSE

FULL OVERLAY	0mm
Pack Qty: 200	
Description	Item No.
No Screw	277988

HALF OVERLAY	9mm
Pack Qty: 200	
Description	Item No.
No Screw	277990

INSET	18mm
Pack Qty: 200	
Description	Item No.
No Screw	278218

NON SOFT CLOSE

FULL OVERLAY	0mm
Pack Qty: 200	
Description	Item No.
No Screw	278462

HALF OVERLAY	9mm
Pack Qty: 200	
Description	Item No.
No Screw	278463

INSET	18mm
Pack Qty: 200	
Description	Item No.
No Screw	278464

Sensys 110° CLIP ON HINGE TECHNICAL INFORMATION

MINIMUM REVEAL PER DOOR

Door Thickness mm	Cup distance C mm					
	3.0	4.0	4.5	5.0	6.0	7.0
15	0.2	0.2	0.2	0.2	0.2	0.2
16	0.3	0.3	0.3	0.3	0.3	0.3
17	0.4	0.4	0.4	0.4	0.4	0.4
18	0.6	0.6	0.6	0.6	0.6	0.5
19	0.8	0.8	0.8	0.8	0.7	0.7
20	1.1	1.0	1.0	1.0	1.0	0.9
21	1.4	1.3	1.3	1.3	1.2	1.2
22	2.2	1.8	1.7	1.6	1.6	1.5
23	3.0	2.6	2.4	2.2	2.0	1.9
24	3.9	3.4	3.2	3.0	2.6	2.4

Please note:

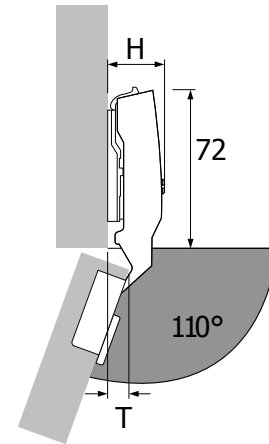
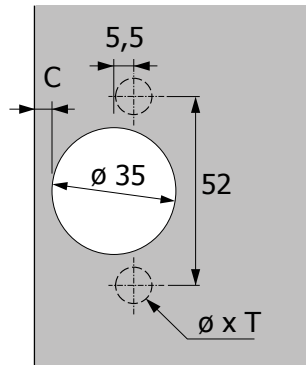
The table entries refer to doors with an edge radius of 1mm.

On doors with other radii, the minimum reveal changes as follows:

Radius 0 mm: Values shown in table + 0.4mm

Radius 3mm: Values shown in table - 0.6mm

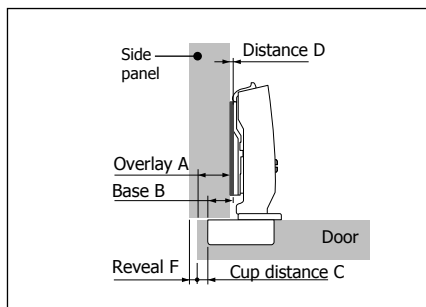
DRILLING PATTERN, PROTRUSIONS / INSTALLED DEPTH



Hinge protrusion H / door protrusion T for distance D = 0 mm and cup distance C = 3 mm

Door mounting option	H mm	T mm
Full Overlay	25.0	8.5
Half Overlay	31.0	18.0
Inset	38.0	25.0

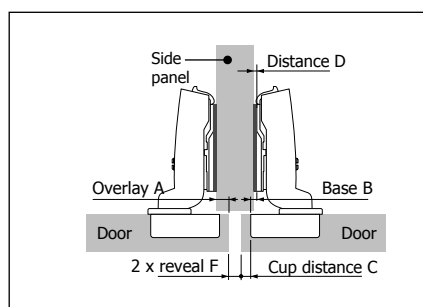
FULL OVERLAY



$$\text{Distance D} = C + B - A = \text{cup distance C} + 12.5\text{mm} - \text{overlay A}$$

Overlay mm	Cup distance C mm					
	3.0	4.0	4.5	5.0	6.0	7.0
10	5.5	6.5	7.0	7.5	8.5	9.5
11	4.5	5.5	6.0	6.5	7.5	8.5
12	3.5	4.5	5.0	5.5	6.5	7.5
13	2.5	3.5	4.0	4.5	5.5	6.5
14	1.5	2.5	3.0	3.5	4.5	5.5
15	0.5	1.5	2.0	2.5	3.5	4.5
16		0.5	1.0	1.5	2.5	3.5
17			0.0	0.5	1.5	2.5
18					0.5	1.5
19						0.5

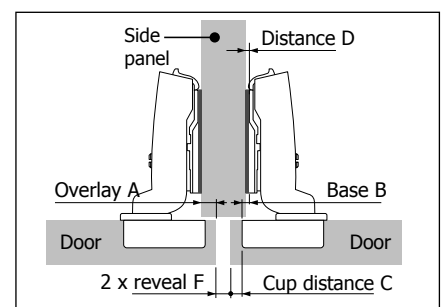
HALF OVERLAY



$$\text{Distance D} = C + B - A = \text{cup distance C} + 3\text{mm} - \text{overlay A}$$

Overlay mm	Cup distance C mm					
	3.0	4.0	4.5	5.0	6.0	7.0
0.5	5.5	6.5	7.0	7.5	8.5	9.5
1.5	4.5	5.5	6.0	6.5	7.5	8.5
2.5	3.5	4.5	5.0	5.5	6.5	7.5
3.5	2.5	3.5	4.0	4.5	5.5	6.5
4.5	1.5	2.5	3.0	3.5	4.5	5.5
5.5	0.5	1.5	2.0	2.5	3.5	4.5
6.5		0.5	1.0	1.5	2.5	3.5
7.5			0.0	0.5	1.5	2.5
8.5					0.5	1.5
9.5						0.5

INSET



$$\text{Distance D} = C + B + F = \text{cup distance C} - 4\text{mm} + \text{reveal F}$$

Door Thickness mm	Cup distance C mm					
	3.0	4.0	4.5	5.0	6.0	7.0
15		0.2	0.7	1.2	2.2	3.2
16		0.3	0.8	1.3	2.3	3.3
17		0.4	0.9	1.4	2.4	3.4
18		0.6	1.1	1.6	2.6	3.5
19		0.8	1.3	1.8	2.7	3.7
20	0.1	1.0	1.5	2.0	3.0	3.9
21	0.4	1.3	1.8	2.3	3.2	4.2
22	1.2	1.8	2.2	2.6	3.6	4.5
23	2.0	2.6	2.9	3.2	4.0	4.9
24	2.9	3.4	3.7	4.0	4.6	5.4