



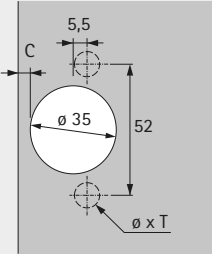
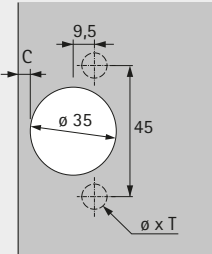
Fast assembly concealed hinge with integrated Silent System

- ▶ Sensys 8657i zero protrusion hinge
- ▶ Opening angle 165°



- ▶ Concealed hinge with clip on installation and integrated Silent System
- ▶ Quality classification under EN 15570, Level 3
- ▶ For door thickness of 15 – 32 mm
- ▶ Cup diameter 35 mm
- ▶ Cup depth 11.6 mm
- ▶ Integrated +/- 2 mm overlay adjustment
- ▶ Integrated depth adjustment + 3 mm / - 2 mm
- ▶ Height adjustment at mounting plate
- ▶ Opening angle can be reduced by means of optional accessories
- ▶ Zero protrusion hinge
- ▶ Hinge arm material: steel, nickel plated
- ▶ Hinge cup material: steel, nickel plated

Sensys 8657i, opening angle 165°

Cup assembly	Drilling pattern	Mounting drilling ø x T mm	full overlay	half overlay	PU
					
For screwing on TH 52		-	9 099 540	9 099 550	1/50 ea.
For pressing in TH 53		ø 10 x 11	9 099 541	9 099 551	1/50 ea.
Flash fast assembly TH 54		ø 10 x 11	9 099 542	9 099 552	1/50 ea.
Fix fast assembly THS 55		ø 10 x 6	9 099 543	9 099 553	1/50 ea.
For screwing on TB 52		-	9 099 560	9 099 570	1/50 ea.
For pressing in TB 53		ø 8 x 11	9 099 561	9 099 571	1/50 ea.
Flash fast assembly TB 54			9 099 562	9 099 572	1/50 ea.
Fix fast assembly TB 55		ø 8 x 6	9 099 563	9 099 573	1/50 ea.

Fast-assembly concealed hinge with integrated soft-closure

► Sensys 8657i

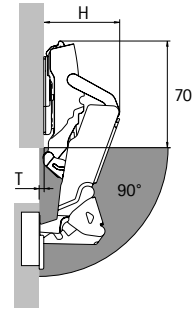
► Opening angle 165°

Minimum reveal per door

Door thickness mm	Cup distance C mm					
	3,0	4,0	4,5	5,0	6,0	7,0
15	0,0	0,0	0,0	0,0	0,0	0,0
16	0,0	0,0	0,0	0,0	0,0	0,0
17	0,0	0,0	0,0	0,0	0,0	0,0
18	0,0	0,0	0,0	0,0	0,0	0,0
19	0,0	0,0	0,0	0,0	0,0	0,0
20	0,0	0,0	0,0	0,0	0,0	0,0
21	0,0	0,0	0,0	0,0	0,0	0,0
22	0,0	0,0	0,0	0,0	0,0	0,0
23	0,0	0,0	0,0	0,0	0,0	0,0
24	0,0	0,0	0,0	0,0	0,0	0,0
25	0,0	0,0	0,0	0,0	0,0	0,0
26	0,1	0,1	0,1	0,1	0,1	0,1
27	0,1	0,1	0,1	0,1	0,1	0,1
28	0,2	0,2	0,2	0,2	0,2	0,3
29*	0,4	0,4	0,4	0,4	0,5	0,6
30*	0,7	0,7	0,8	0,8	1,0	1,1
31**	1,1	1,2	1,3	1,4	1,6	
32**	1,7	1,9	2,0	2,2		

* for use with opening angle stop until 120°
 ** for use with opening angle stop until 105°

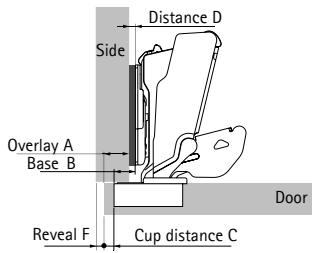
Protrusion / installation depth



No door protrusion T for distance D = 3, unobstructed interior for pull-outs

Door-mounting option	H mm (max. for 30°)	T mm (90°, D0)
Overlay	66	-3
Half overlay	75,5	6,5

Overlay

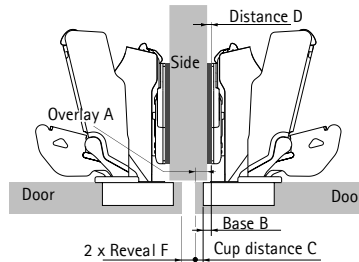


$$\text{Distance D} = \text{C} + \text{B} - \text{A}$$

$$= \text{Cup distance C} + 12,5 \text{ mm} - \text{Overlay A}$$

Overlay mm	Cup distance C mm					
	3,0	4,0	4,5	5,0	6,0	7,0
Distance D mm						
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



$$\text{Distance D} = \text{C} + \text{B} - \text{A}$$

$$= \text{Cup distance C} + 3 \text{ mm} - \text{Overlay A}$$

Overlay mm	Cup distance C mm					
	3,0	4,0	4,5	5,0	6,0	7,0
Distance D mm						
- 2	8,0	9,0	9,5	10,0	11,0	12,0
- 1	7,0	8,0	8,5	9,0	10,0	11,0
0	6,0	7,0	7,5	8,0	9,0	10,0
1	5,0	6,0	6,5	7,0	8,0	9,0
2	4,0	5,0	5,5	6,0	7,0	8,0
3	3,0	4,0	4,5	5,0	6,0	7,0
4	2,0	3,0	3,5	4,0	5,0	6,0
5	1,0	2,0	2,5	3,0	4,0	5,0
6	0,0	1,0	1,5	2,0	3,0	4,0
7		0,0	0,5	1,0	2,0	3,0
8				0,0	1,0	2,0
9					0,0	1,0
10						0,0

Opening angle stop



- Limits the opening angle
- Tool-less assembly / disassembly
- Easy to retrofit
- Every hinge at the door has to use one opening angle stop

Opening angle	Order no.	PU
90° / 135°	9 090 864	50 pcs.
105° / 120°	9 090 756	50 pcs.