


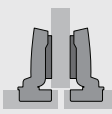

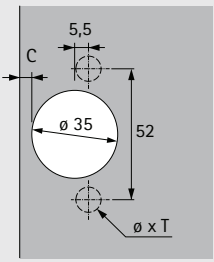
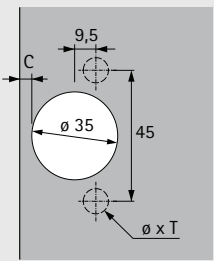
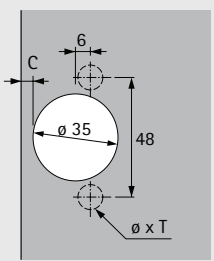
Fast assembly concealed hinge with integrated Silent System

- ▶ Sensys 8631i for thick doors
- ▶ 95° opening angle



- ▶ Concealed clip on hinge with integrated Silent System
- ▶ Quality classification in accordance with EN 15570, Level 2
- ▶ For door thickness of 15 – 32 mm
- ▶ Cup diameter 35 mm
- ▶ Cup depth 12.8 mm
- ▶ Integrated overlay adjustment + 2 mm / - 2 mm
- ▶ Integrated depth adjustment + 3 mm / - 2 mm
- ▶ Height adjustment at mounting plate
- ▶ Hinge arm material: nickel plated steel
- ▶ Hinge cup material: nickel plated steel

Sensys 8631i, 95° opening angle

Cup installation	Drilling pattern	Fixing hole ø x T mm	Full overlay	Half overlay	Inset	PU
						
			Basis B 12.5 mm	Basis B 3 mm	Basis B - 4 mm	
Screw on version TH 52		-	9 090 260	9 090 270	9 090 280	200 ea.
Press in version TH 53		ø 10 x 11	9 090 261 *	9 090 271	9 090 281	200 ea.
Flash fast assembly TH 54		ø 10 x 11	9 090 262	9 090 272	9 090 282	200 ea.
With prem. Euro screws TH 56		ø 5 x 11	9 090 264	9 090 274	9 090 284	200 ea.
Screw on version TB 52		-	9 090 290	9 090 300	9 090 310	200 ea.
Press in version TB 53		ø 8 x 11	9 090 291	9 090 301	9 090 311	200 ea.
Flash fast assembly TB 54		ø 8 x 11	9 090 292	9 090 302	9 090 312	200 ea.
With prem. Euro screws TH 56		ø 5 x 11	9 090 294	9 090 304	9 090 314	200 ea.
Screw on version TS 52		-	9 090 320	9 090 330	9 090 340	200 ea.
Press in version TS 53		ø 10 x 11	9 090 321	9 090 331	9 090 341	200 ea.
Flash fast assembly TS 54		ø 10 x 11	9 090 322	9 090 332	9 090 342	200 ea.
With prem. Euro screws TH 56		ø 5 x 11	9 090 324	9 090 334	9 090 344	200 ea.

Fast assembly concealed hinge

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Minimum reveal per door

Door thickness mm	Cup distance C mm						
	3.0	4.0	4.5	5.0	6.0	7.0	8.0
15	0.1	0.1	0.1	0.1	0.1	0.1	0.1
16	0.1	0.1	0.1	0.1	0.1	0.1	0.1
17	0.2	0.2	0.2	0.2	0.2	0.2	0.2
18	0.2	0.2	0.2	0.2	0.2	0.2	0.2
19	0.3	0.3	0.3	0.3	0.3	0.3	0.3
20	0.4	0.4	0.4	0.4	0.4	0.4	0.4
21	0.6	0.6	0.6	0.6	0.6	0.6	0.6
22	0.7	0.7	0.7	0.7	0.7	0.7	0.7
23	0.9	0.9	0.9	0.9	0.9	0.9	0.9
24	1.1	1.0	1.0	1.0	1.0	1.0	1.0
25	1.3	1.2	1.2	1.2	1.2	1.2	1.2
26	1.5	1.5	1.4	1.4	1.4	1.4	1.4
27	1.7	1.7	1.7	1.7	1.6	1.6	1.6
28	2.0	2.0	1.9	1.9	1.9	1.8	1.8
29	2.9	2.3	2.2	2.2	2.2	2.1	2.1
30	3.8	3.2	3.0	2.7	2.5	2.4	2.4
31	4.8	4.1	3.8	3.6	3.1	2.7	2.7
32	5.7	5.1	4.8	4.5	3.9	3.4	3.0

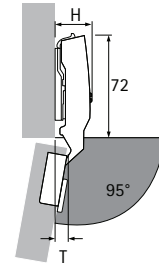
Note:

The values in the table refer to doors with an edge radius of 1 mm.

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

Radius 0 mm:
Value in table + 0.4 mm

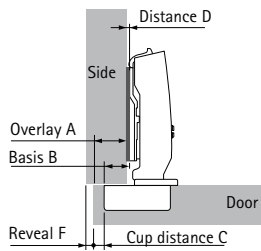
Installation dimensions



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	24.0	12.5
Half overlay	28.3	22.0
Inset	35.3	29.0

Full overlay

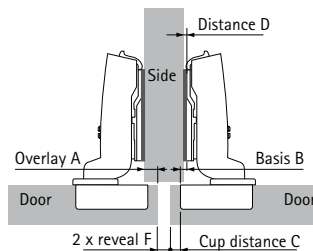


$$\text{Distance D} = \text{C} + \text{B} - \text{A}$$

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

Overlay mm	Cup distance C mm						
	3.0	4.0	4.5	5.0	6.0	7.0	8.0
	5.5	6.5	7.0	7.5	8.5	9.5	10.5
10	4.5	5.5	6.0	6.5	7.5	8.5	9.5
11	3.5	4.5	5.0	5.5	6.5	7.5	8.5
12	2.5	3.5	4.0	4.5	5.5	6.5	7.5
13	1.5	2.5	3.0	3.5	4.5	5.5	6.5
14	0.5	1.5	2.0	2.5	3.5	4.5	5.5
15		0.5	1.0	1.5	2.5	3.5	4.5
16			0.0	0.5	1.5	2.5	3.5
17					0.5	1.5	2.5
18						0.5	1.5
19							0.5
20							

Half overlay

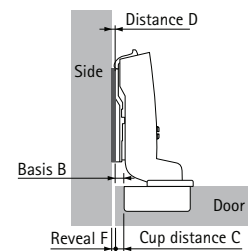


$$\text{Distance D} = \text{C} + \text{B} - \text{A}$$

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

Overlay mm	Cup distance C mm						
	3.0	4.0	4.5	5.0	6.0	7.0	8.0
	5.5	6.5	7.0	7.5	8.5	9.5	10.5
0.5	4.5	5.5	6.0	6.5	7.5	8.5	9.5
1.5	3.5	4.5	5.0	5.5	6.5	7.5	8.5
2.5	2.5	3.5	4.0	4.5	5.5	6.5	7.5
3.5	1.5	2.5	3.0	3.5	4.5	5.5	6.5
4.5	0.5	1.5	2.0	2.5	3.5	4.5	5.5
5.5		0.5	1.0	1.5	2.5	3.5	4.5
6.5			0.0	0.5	1.5	2.5	3.5
7.5					0.5	1.5	2.5
8.5						0.5	1.5
9.5							0.5
10.5							

Inset



$$\text{Distance D} = \text{C} + \text{B} + \text{F}$$

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

Door thickness mm	Cup distance C mm						
	3.0	4.0	4.5	5.0	6.0	7.0	8.0
	0.1	0.6	1.1	2.1	3.1	4.1	
15	0.1	0.6	1.1	2.1	3.1	4.1	
16	0.2	0.7	1.2	2.2	3.2	4.2	
17	0.2	0.7	1.2	2.2	3.2	4.2	
18	0.3	0.8	1.3	2.3	3.3	4.3	
19	0.4	0.9	1.4	2.4	3.4	4.4	
20	0.6	1.1	1.6	2.6	3.6	4.6	
21	0.7	1.2	1.7	2.7	3.7	4.7	
22	0.9	1.4	1.9	2.9	3.9	4.9	
23	1.0	1.5	2.0	3.0	4.0	5.0	
24	0.1	1.0	1.5	2.0	3.0	4.0	5.0
25	0.3	1.2	1.7	2.2	3.2	4.2	5.2
26	0.5	1.5	1.9	2.4	3.4	4.4	5.4
27	0.7	1.7	2.2	2.7	3.6	4.6	5.6
28	1.0	2.0	2.4	2.9	3.9	4.8	5.8
29	1.9	2.3	2.7	3.2	4.2	5.1	6.1
30	2.8	3.2	3.5	3.7	4.5	5.4	6.4
31	3.8	4.1	4.3	4.6	5.1	5.7	6.7
32	4.7	5.1	5.3	5.5	5.9	6.4	7.0

Advice

- For mounting plates, see pages 42 - 47
- For accessories, see pages 48 - 49
- For technical information, see pages 50 - 58
- For example applications, see page 51

Fast assembly concealed hinge

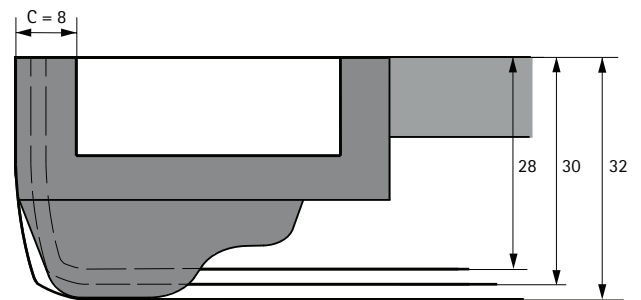
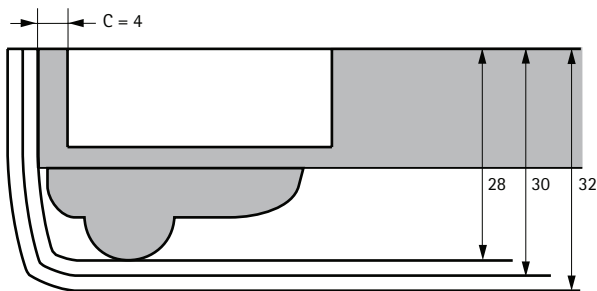
- ▶ Sensys 8631i / Sensys 8631 / Sensys 8661 for thick doors
- ▶ Opening angle 95°

Door contours for minimum reveal application - scale 1:1

The values shown in the Minimum reveal table refer to an edge radius of 1 mm. Smaller reveal values apply if door edges are more rounded. To obtain a minimum reveal application, the chosen door contour must lie within the template illustrated below. All contours protruding beyond the template will increase the reveal accordingly.



Examples of minimum reveal application



Example of minimum reveal application

Door thickness	16 mm
Profile thickness	12 mm
Overall thickness	28 mm
Cup distance C	4 mm

Example of minimum reveal application

Door thickness	19 mm
Profile thickness	13 mm
Overall thickness	32 mm
Cup distance C	8 mm