

## Fast assembly concealed hinge with integrated Silent System

- Sensys 8639i W90
- For 90° face angles, 95° opening angle



- Concealed clip on hinge with Integrated Silent System
- Quality classification in accordance with EN 15570, Level 3
- For corner cabinets
- For door thickness of 15 - 28 mm
- Cup diameter 35 mm
- Cup depth 12.8 mm
- Integrated adjustment of door offset + 1 mm / - 2 mm
- Integrated reveal adjustment + 3 mm / - 2 mm
- Height adjustment of mounting plate
- Hinge arm material: nickel plated die cast zinc
- Hinge cup material: nickel plated steel

### Sensys 8639i W90, 95° opening angle

Cup installation	Drilling pattern	Fixing hole ø x T mm	Inset	PU
Screw on version TH 52		-		200 ea.
Press in version TH 53		ø 10 x 11	9 085 170	200 ea.
Flush fast assembly TH 54		ø 10 x 11	9 085 175	200 ea.
Fix fast assembly TH 55		ø 10 x 6	9 085 180	200 ea.
			9 085 340	200 ea.

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### Minimum reveal per door

Door thickness mm	Cup distance C mm	Note:
16	3.0 4.0 4.5 5.0 5.0 7.0	<p>The values in the table refer to doors with an edge radius of 1 mm.</p> <p>On doors with other radii, the minimum reveal changes as follows:</p> <p>Radius 0 mm: Value in table + 0.4 mm</p> <p>Radius 3 mm: Value in table - 0.6 mm</p>
16	0.2 0.2 0.2 0.2 0.2 0.3	
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 0.6	
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 3.6 3.4 3.2 3.0 2.9	
24	3.9 3.4 3.2 3.0 2.6 2.4	
25	4.8 4.2 4.0 3.8 3.4 3.0	
26	5.7 5.1 4.8 4.6 4.2 3.8	
27	6.6 6.0 5.7 5.5 5.0 4.5	
28	7.5 6.9 6.6 6.3 5.8 5.3	

### Note

Calculation of required mounting plate distance D and hole-line distance X to be observed:  
Depending on the required door offset, cup distance C (3 - 7 mm) and reveal F, the dimensions can be seen in the drawing or table below.  
The values stated for the hole-line distance X apply when using a cross mounting plate for hole line 37.

Hole-line distance X must be adjusted when using other mounting plates.  
- LR 20: X - 9 mm  
- LR 20 x 37: X - 17 mm / X + 15 mm

A door offset of 1 mm is recommended. Door offset can subsequently be corrected with the adjusting screw.

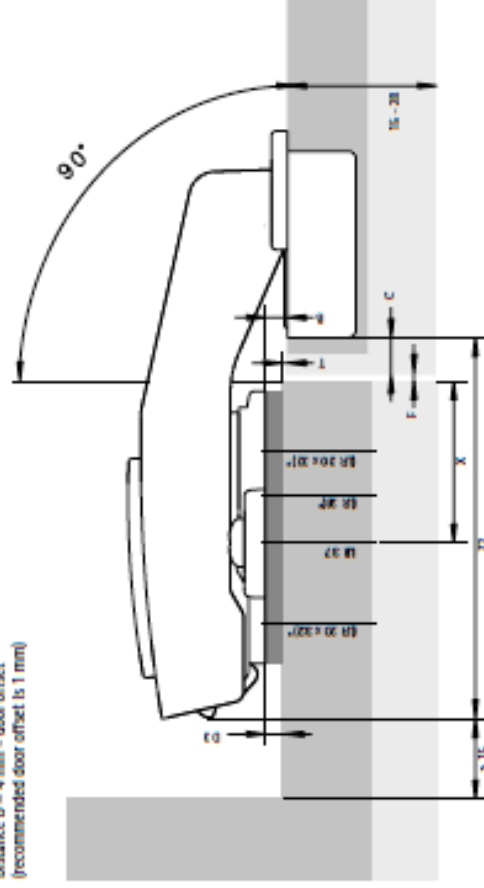
### Determining hole-line distance X mm when using mounting plate with hole line 37

Reveal mm	Cup distance C mm	4.5	5.0	5.5	6.0	7.0
0.6	35.0	34.5	34.0	33.5	33.0	32.0
1.5	34.0	33.5	33.0	32.5	32.0	31.0
2.5	33.0	32.5	32.0	31.5	31.0	30.0
3.5	32.0	31.5	31.0	30.5	30.0	29.0
4.5	31.0	30.5	30.0	29.5	29.0	28.0
5.5	30.0	29.5	29.0	28.5	28.0	27.0
6.5	29.0	28.5	28.0	27.5	27.0	26.0
7.5	28.0	27.5	27.0	26.5	26.0	25.0

Hole-line distance X = 38.5 - C - F

### Inset (B 4 mm) - scale 1:1

Distance D = 4 mm - door offset  
(recommended door offset is 1 mm)



### ► Advice

Not available on all markets  
For mounting plates, see pages 28 - 29  
For accessories, see pages 30 - 31  
For technical information, see pages 32 - 39