

## Fast assembly concealed hinge with integrated Silent System

- Sensys 8639i W45
- For 45° face angles, 95° opening angle



- Concealed clip on hinge with integrated Silent System
- Quality classification in accordance with EN 115:70, Level 3
- For diagonal cabinets, carriage angle 135°
- For door thickness of 15 - 28 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 die cast zinc
- Hinge cup material: nickel plated steel

### Sensys 8639i W45, 95° opening angle

Cup installation	Drilling pattern	Fixing hole Ø x L mm	Overlay	Inset	Part No.	PU
Screw on version TH 52		-	Basis B - 2 mm	Scale B - 25 mm	9 085 168	200 ea.
Press in version TH 53		Ø 10 x 11	Basis B - 2 mm	Scale B - 25 mm	9 085 173	200 ea.
Flush fast assembly TH 54		Ø 10 x 11	Basis B - 2 mm	Scale B - 25 mm	9 085 178	200 ea.
Fix fast assembly TH 55		Ø 10 x 6	Basis B - 2 mm	Scale B - 25 mm	9 085 338	200 ea.

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### Minimum reveal per door

Door thickness mm	Cup distance C mm
16	3.0 4.0 4.5 5.0 5.0 7.0 8.0
16	0.1 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 0.3
17	0.4 0.4 0.4 0.4 0.4 0.4 0.4
18	0.5 0.5 0.5 0.5 0.5 0.5 0.5
19	0.6 0.6 0.6 0.6 0.6 0.6 0.6
20	1.1 1.0 1.0 1.0 1.0 0.9 0.9
21	1.4 1.3 1.3 1.3 1.2 1.2 1.2
22	2.2 1.8 1.7 1.6 1.5 1.5 1.4
23	3.0 2.6 2.4 2.2 2.0 1.9 1.8
24	3.9 3.4 3.2 3.0 2.8 2.4 2.2
25	4.8 4.2 4.0 3.8 3.4 3.0 2.8
26	5.7 5.1 4.8 4.6 4.2 3.8 3.4
27	6.6 6.0 5.7 5.5 5.0 4.6 4.3
28	7.5 6.9 6.6 6.3 5.8 5.3 4.9

### 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  
Radius 3 mm:  
Value in table - 0.6 mm

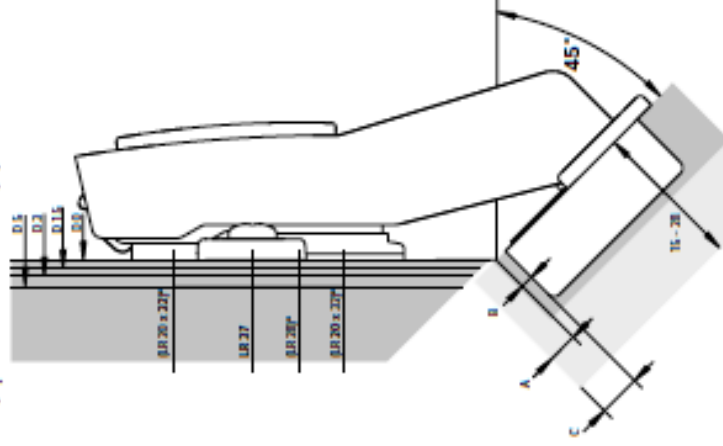
### Note

The drawings below show the hinges including mounting plate distances on a scale of 1:1. Allowing for cup distance C (3 - 8 mm) as well as the minimum reveal, the required mounting plate distance and hole line can be determined by drawing in the door and side panel.

You can visit our Hettich channel on YouTube for further information on how to configure cabinets.

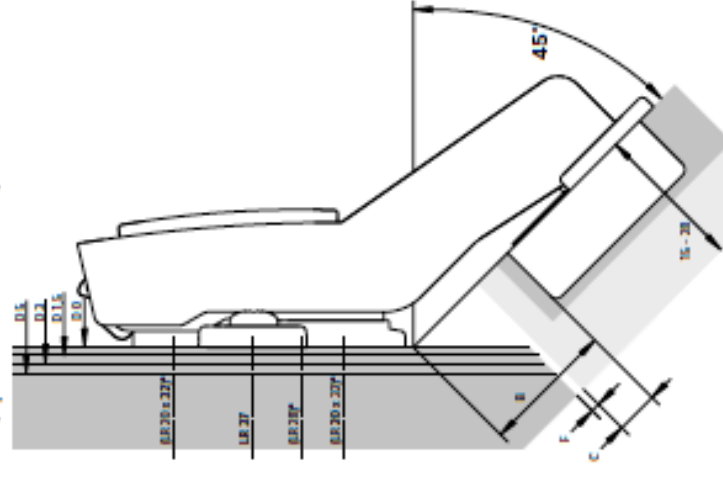
### Overlay (B - 2 mm) - scale 1:1

Distance D = 0.71 x (C + B - A)  
= 0.71 x (cup distance C + 2 mm - overlay A)



### Inset (B - 25 mm) - scale 1:1

Distance D = 0.71 x (C + B + F)  
= 0.71 x (cup distance C - 25 mm + reveal F)



### Advice

\*not available on all markets  
For mounting plates and accessories, see page 28 - 29  
For example applications and technical information, see pages 32 - 39