

Fast assembly concealed hinge with integrated Silent System



- ▶ Sensys 8639i W30
- ▶ For 30° face angles, 95° opening angle



- ▶ Concealed clip on hinge with Integrated Silent System
- ▶ Quality classification in accordance with EN 15570, Level 3
- ▶ For diagonal cabinets, carcass angle 120°
- ▶ 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 W30, 95° opening angle

Cup Installation	Drilling pattern	Fixing hole ø x T mm	Overlay	Inset	PU
			Basis B 2 mm	Basis B - 16 mm	
Screw on version TH 52		-	9 085 166	9 085 167	200 ea.
Press In version TH 53		ø 10 x 11	9 085 171	9 085 172	200 ea.
Flash fast assembly TH 54		ø 10 x 11	9 085 176	9 085 177	200 ea.
Fix fast assembly THS 55		ø 10 x 6	9 085 336	9 085 337	200 ea.

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Minimum reveal per door

Door thickness mm	Cup distance C mm							
	20	40	45	50	60	70	80	
15	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
16	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
17	0.4	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	0.6	
19	0.8	0.8	0.8	0.8	0.7	0.7	0.7	
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	1.6	1.5	1.4	
23	3.0	2.6	2.4	2.2	2.0	1.9	1.8	
24	3.8	3.4	3.2	3.0	2.6	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	4.2	
28	7.5	6.9	6.6	6.3	5.8	5.2	4.8	

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

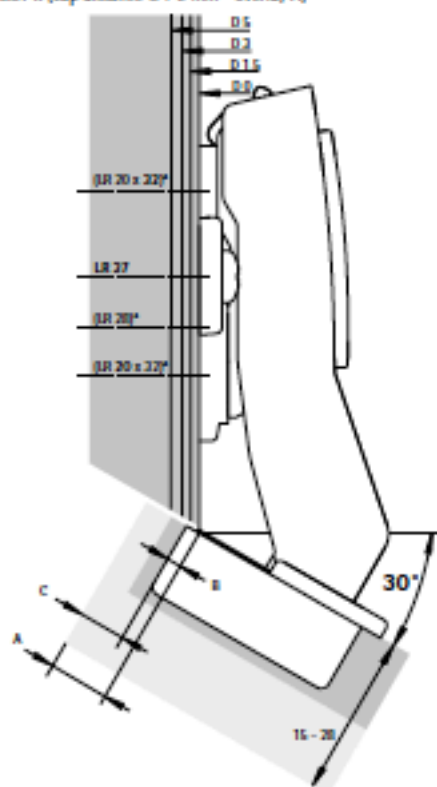
The drawings below show the hinges including mounting plate distances on a scale of 1:1. Allowing for cup distance C (3 - 8 mm) as well as the minimum reveal, the required mounting plate distance and hole line can be determined by drawing in the door and side panel.

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

Overlay (B 2 mm) - scale 1:1

$$\text{Distance D} = 0.87 \times (C + B - A)$$

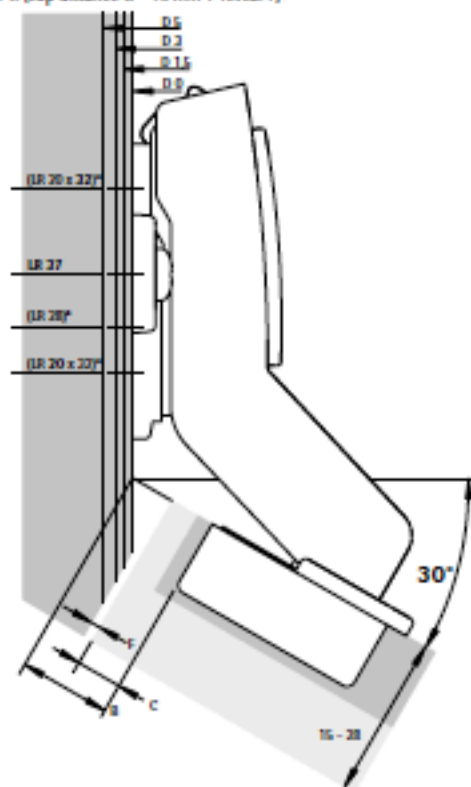
$$= 0.87 \times (\text{cup distance C} + 2 \text{ mm} - \text{overlay A})$$



Inset (B - 16 mm) - scale 1:1

$$\text{Distance D} = 0.87 \times (C + B + F)$$

$$= 0.87 \times (\text{cup distance C} - 16 \text{ mm} + \text{reveal F})$$



▶ 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