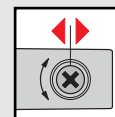
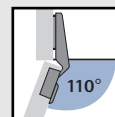


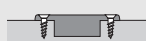
Fast-assembly concealed hinge with integrated soft-close function sensys 8645i Opening angle 110°



- Concealed hinge for snap-on attachment
- For door thicknesses of 15 - 22 mm
- Cup diameter 35 mm
- With self-closing feature
- Integrated overlay adjustment ± 2 mm
- Integrated depth adjustment $+ 3$ mm / $- 2$ mm
- Height adjustment at mounting plate
- Hinge cup/arm: nickel-plated steel

Cup versions

Cup TH 52
Screw on



Cup TH 53
Press-in version



Cup TB 53
Press-in version

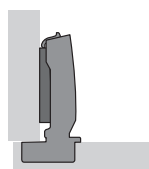


Hinge versions

Mounting options

Article/Order no.

Full overlay



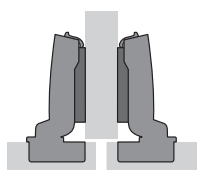
8645i - TH 52
9 071 205

8645i - TH 53
9 071 208

8645i - TB 53
9 071 226

PU
1/200

Half overlay



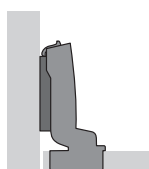
8645i - TH 52
9 071 206

8645i - TH 53
9 071 209

8645i - TB 53
9 071 227

PU
1/200

Inset



8645i - TH 52
9 071 207

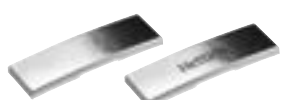
8645i - TH 53
9 071 210

8645i - TB 53
9 071 228

PU
1/200

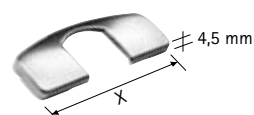
Hinge-arm cover cap

- Nickel-plated steel



Hinge cup cover cap

- Nickel-plated steel



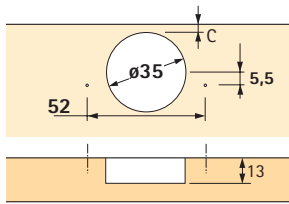
Version	Order no.	PU
without Hettich Logo	9 082 612	1/200
with Hettich Logo	9 082 774	1/200

Cup version	X mm	Order no.	PU
TH 52 / TH 53	68,2	9 082 614	1/200
TB 53	61,4	9 084 924	1/200

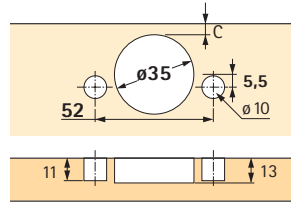


Cup distance C mm	Door thickness mm							
	15	16	17	18	19	20	21	22
Minimum reveal per door – allow for in distance calculation								
Table entries apply to doors with 0 mm radius								
3	0,3	0,5	0,6	0,8	1,1	1,4	1,9	2,6
4	0,3	0,5	0,6	0,8	1,0	1,3	1,7	2,3
4,5	0,3	0,5	0,6	0,8	1,0	1,3	1,7	2,2
5	0,3	0,4	0,6	0,8	1,0	1,3	1,6	2,1
6	0,3	0,4	0,6	0,8	1,0	1,2	1,6	1,9

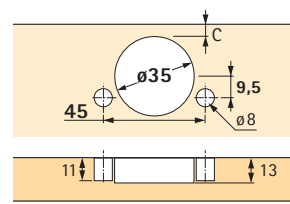
The minimum reveal is reduced for a door thickness of, for example, 22 mm with radii:
1 mm radius: table entry – 0,4 mm
3 mm radius: table entry – 1,0 mm



TH 52 hole dimensions

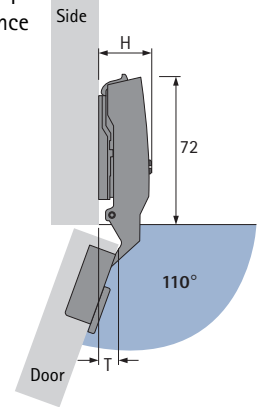


TH 53 hole dimensions

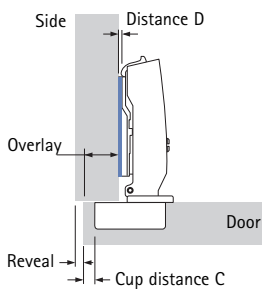


TB 53 hole dimensions

Hinge protrusion H/
door protrusion T
for 0 mm distance
and 3 mm
cup distance

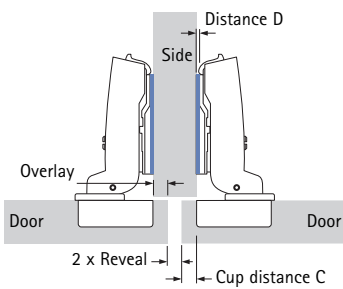


Mounting option	H mm	T mm
Overlay	25,0	8,5
Centre panel	31,0	18,0
Inset door	38,0	25,0



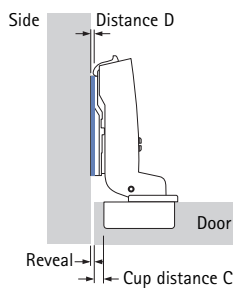
Cup distance C mm	Overlay mm									
	10	11	12	13	14	15	16	17	18	
Distance D mm										
3	5,5	4,5	3,5	2,5	1,5	0,5				
4	6,5	5,5	4,5	3,5	2,5	1,5	0,5			
4,5	7,0	6,0	5,0	4,0	3,0	2,0	1,0			
5	7,5	6,5	5,5	4,5	3,5	2,5	1,5	0,5		
6	8,5	7,5	6,5	5,5	4,5	3,5	2,5	1,5	0,5	

Overlay adjustment $\pm 2,0$ mm



Cup distance C mm	Overlay mm									
	0,5	1,5	2,5	3,5	4,5	5,5	6,5	7,5	8,5	
Distance D mm										
3	5,5	4,5	3,5	2,5	1,5	0,5				
4	6,5	5,5	4,5	3,5	2,5	1,5	0,5			
4,5	7,0	6,0	5,0	4,0	3,0	2,0	1,0			
5	7,5	6,5	5,5	4,5	3,5	2,5	1,5	0,5		
6	8,5	7,5	6,5	5,5	4,5	3,5	2,5	1,5	0,5	

Overlay adjustment $\pm 2,0$ mm



Cup distance C mm	Door thickness mm							
	15	16	17	18	19	20	21	22
Distance D mm								
3					0,1	0,4	0,9	1,6
4	0,3	0,5	0,6	0,8	1,0	1,3	1,7	2,3
4,5	0,8	1,0	1,1	1,3	1,5	1,8	2,2	2,7
5	1,3	1,4	1,6	1,8	2,0	2,3	2,6	3,1
6	2,3	2,4	2,6	2,8	3,0	3,2	3,6	3,9

Reveal adjustment $\pm 2,0$ mm

Mounting plates, see pages 42 – 43
Technical information, see pages 12 – 13