

Hinges

► Summary of ranges

Concealed hinges
Range summary / Technical comparison 26 - 27






Special hinges
Summary 192 - 193



Furniture hinges made of solid brass
Summary 242 - 243



	Sensys	Intermat	Intermat Push to open
			
Page	28 - 29	56 - 57	122 - 123
Hinge cup mounting	<ul style="list-style-type: none"> ► Screw-on version ► Press-in version ► Flash fast assembly ► Fix toolless fast assembly 	<ul style="list-style-type: none"> ► Screw-on version ► Press-in version ► Flash fast assembly ► Fix toolless fast assembly 	<ul style="list-style-type: none"> ► Screw-on version ► Fix toolless fast assembly
Installation	Snap-on assembly	Snap-on assembly	Snap-on assembly
Soft-closing function	Integrated	Optional	-
Opening angle	95° - 110° 165° via upgrade range	95° - 180°	95° - 165°
Door adjustment	3-dimensional	3-dimensional	3-dimensional
Optional equipment	<ul style="list-style-type: none"> ► Accessories 	<ul style="list-style-type: none"> ► Opening system Push to open ► Silent System soft closure ► Accessories 	<ul style="list-style-type: none"> ► Opening system Push to open ► Accessories

SlideOn	Perfekt	Selekta Pro 2000	Selekta 4
146 - 147	152 - 153	170 - 171	170 - 171
<ul style="list-style-type: none"> ► Screw-on version ► Press-in version 	<ul style="list-style-type: none"> ► Screw-on version 	<ul style="list-style-type: none"> ► Screw-on version ► Press-in version 	<ul style="list-style-type: none"> ► Screw-on version ► Press-in version
Slide-on assembly	Slide-on assembly	Snap-on assembly	Slide-on assembly
Optional	-	Optional	-
95°	95°	115° - 270°	180°
3-dimensional	3-dimensional	2-dimensional	2-dimensional
<ul style="list-style-type: none"> ► Opening system Push to open ► Silent System soft closure ► Accessories 	<ul style="list-style-type: none"> ► Opening system Push to open 	<ul style="list-style-type: none"> ► Silent System soft closure ► Accessories 	<ul style="list-style-type: none"> ► Accessories

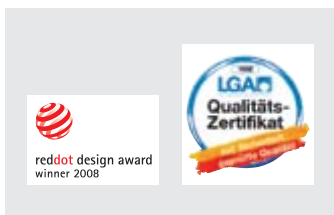
Concealed hinges

► Sensys fast-assembly concealed hinge with integrated soft-closure



None closes more quietly: Sensys has revolutionized the world of hinges. The integrated hidden soft-closing mechanism puts an end to banging doors. A gentle flick of the wrist is enough to let cabinet doors close gently,

soundlessly and with a large self-closing range of approx 35°. The design too sets new aesthetic standards. Furniture technology can be as sensuous as this.



Perfectly matching movement sequences, harmonious lines and contours: the uniquely aesthetic design of Sensys and outstanding quality are simply fascinating.



Sensys lets cabinet doors close uniformly and silently - as well as automatically from an opening angle of approx. 35°.



Sensys hinges can be fitted and removed without tools. Quickly and ergonomically.



The Sensys product family includes hinges for all standard mounting versions. Virtually any cabinet design can be realized with these hinges.

Concealed hinges

- ▶ Sensys fast-assembly concealed hinge with integrated soft-closure
- ▶ Summary



Sensys
Range summary

31



Mounting plates system 8099
for Sensys and Intermat fast-assembly concealed hinges

48 - 51



Accessories

52 - 54



Technical Information

- ▶ Mounting configurations 160 - 161
- ▶ Processing instructions 162 - 163
- ▶ Mounting information / Quality criteria 164 - 168 / 191



Assembly aids

2681

- ▶ Sensys
- ▶ Range summary



Sensys 8645i

- ▶ For doors up to 22 mm thick
 - ▶ 110° opening angle
- 32 - 33



Sensys 8639i

- ▶ For doors up to 28 mm thick
 - ▶ 95° opening angle
- 34 - 35



Sensys 8639i W30

- ▶ For face angle 30°
 - ▶ 95° opening angle
- 36 - 37



Sensys 8639i W45

- ▶ For face angle 45°
 - ▶ 95° opening angle
- 38 - 39



Sensys 8639i W90

- ▶ For face angle 90°
 - ▶ 95° opening angle
- 40 - 41



Sensys 8638i

- ▶ For 19 mm wide aluminium framed doors
 - ▶ 95° opening angle
- 42 - 43



Intermat 9956 with cup in Sensys design

- ▶ For doors up to 24 mm thick
 - ▶ 165° opening angle
- 44 - 45



Intermat 9930 with cup in Sensys design

- ▶ For corner unit folding doors
 - ▶ 50° / 65° opening angle
- 46 - 47



Mounting plates system 8099

- ▶ For Sensys and Intermat
- 48 - 51



Accessories

52 - 54

Fast-assembly concealed hinge with integrated soft-closure

- ▶ Sensys 8645i
- ▶ 110° opening angle



- ▶ Concealed hinge with snap-on assembly and integrated soft-closure
- ▶ Quality grades to EN 15570, Level 3
- ▶ For doors 15 - 22 mm thick
- ▶ 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
- ▶ Material of hinge arm: nickel-plated steel
- ▶ Material of hinge cup: nickel-plated steel

Sensys 8645i, opening angle 110°

Cup assembly	Drilling pattern	Overlay	Half overlay	Inset	PU
		Base B 12.5 mm (Cranking 0 mm)	Base B 3 mm (Cranking 9.5 mm)	Base B - 4 mm (Cranking 16.5 mm)	
Screw-on type TH 52		9 071 205	9 071 206	9 071 207	1/200 ea.
Press-in type TH 53		9 071 208	9 071 209	9 071 210	1/200 ea.
Flash fast assembly TH 54		9 071 211	9 071 212	9 071 213	1/200 ea.
Fix fast assembly TH 55		9 071 220	9 071 221	9 071 222	1/200 ea.
Screw-on type TB 52		9 071 223	9 071 224	9 071 225	1/200 ea.
Press-in type TB 53		9 071 226	9 071 227	9 071 228	1/200 ea.
Fix fast assembly TB 55		9 071 238	9 071 239	9 071 240	1/200 ea.

- ▶ Sensys 8645i
- ▶ 110° opening angle

Minimum reveal per door

Door thickness mm	Cup distance C mm					
	3.0	4.0	4.5	5.0	6.0	7.0
15	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
17	0.4	0.4	0.4	0.4	0.4	0.4
18	0.6	0.6	0.6	0.6	0.6	0.5
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

Please note:

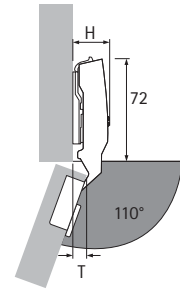
The values in the table refer to doors with an edge radius of 1 mm.

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

Radius 0 mm:
Values shown in table + 0.4 mm

Radius 3 mm:
Values shown in table - 0.6 mm

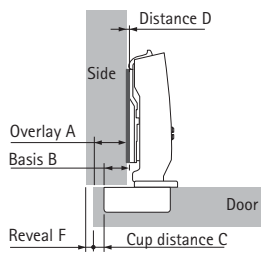
Protrusions / installation depth



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

Door-mounting option	H mm	T mm
Overlay	25.0	8.5
Half overlay	31.0	18.0
Inset	38.0	25.0

Overlay

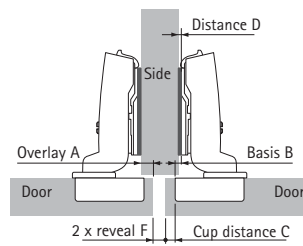


$$\text{Distance D} = \text{C} + \text{B} - \text{A}$$

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

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

Half overlay

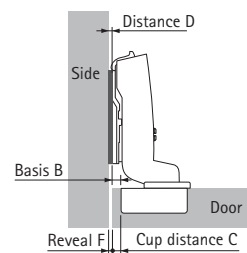


$$\text{Distance D} = \text{C} + \text{B} - \text{A}$$

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

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

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
Distance D mm						
15	0.2	0.7	1.2	2.2	3.2	
16	0.3	0.8	1.3	2.3	3.3	
17	0.4	0.9	1.4	2.4	3.4	
18	0.6	1.1	1.6	2.6	3.5	
19	0.8	1.3	1.8	2.7	3.7	
20	0.1	1.0	1.5	2.0	3.0	3.9
21	0.4	1.3	1.8	2.3	3.2	4.2
22	1.2	1.8	2.2	2.6	3.6	4.5

▶ Advice

Mounting plates and accessories, see pages 48 - 54

Mounting solutions, assembly information, assembly notes and quality criteria, see pages 160 - 168, 191

Fast-assembly concealed hinge with integrated soft-closure

- ▶ Sensys 8639i
- ▶ 95° opening angle



- ▶ Concealed hinge with snap-on assembly and integrated soft-closure
- ▶ Quality grades to EN 15570, Level 3
- ▶ For doors 15 - 28 mm thick
- ▶ 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
- ▶ Material of hinge arm: nickel-plated steel
- ▶ Material of hinge cup: nickel-plated steel

Sensys 8639i, opening angle 95°

Cup assembly	Drilling pattern	Overlay	Half overlay	Inset	PU
		Base B 12.5 mm (Cranking 0 mm)	Base B 3 mm (Cranking 9.5 mm)	Base B - 4 mm (Cranking 16.5 mm)	
Screw-on type TH 52		9 084 995	9 084 996	9 084 997	1/200 ea.
Press-in type TH 53		9 084 998	9 084 999	9 085 000	1/200 ea.
Flash fast assembly TH 54		9 085 001	9 085 002	9 085 003	1/200 ea.
Fix fast assembly TH 55		9 085 103	9 085 104	9 085 105	1/200 ea.
Screw-on type TB 52		9 085 010	9 085 011	9 085 012	1/200 ea.
Press-in type TB 53		9 085 013	9 085 014	9 085 015	1/200 ea.
Fix fast assembly TB 55		9 085 106	9 085 107	9 085 108	1/200 ea.

- ▶ Sensys 8639i
- ▶ 95° opening angle

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	0.2	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	0.6	0.6	0.6	0.6	0.6	0.5	0.5	
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	3.9	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	4.5	4.2	
28	7.5	6.9	6.6	6.3	5.8	5.3	4.9	

Please note:

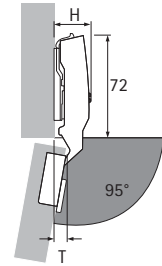
The values in the table refer to doors with an edge radius of 1 mm.

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

Radius 0 mm:
Values shown in table + 0.4 mm

Radius 3 mm:
Values shown in table - 0.6 mm

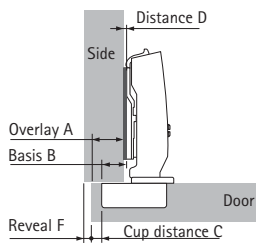
Protrusions / installation depth



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

Door-mounting option	H mm	T mm
Overlay	25.0	7.5
Half overlay	31.0	17.0
Inset	38.0	24.0

Overlay

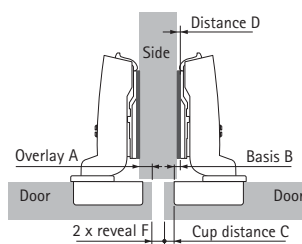


$$\text{Distance D} = \text{C} + \text{B} - \text{A}$$

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

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

Half overlay

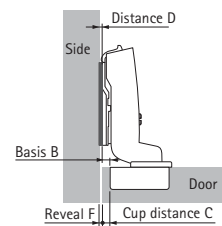


$$\text{Distance D} = \text{C} + \text{B} - \text{A}$$

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

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

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	
Distance D mm								
15	0.2	0.7	1.2	2.2	3.2	4.2		
16	0.3	0.8	1.3	2.3	3.3	4.3		
17	0.4	0.9	1.4	2.4	3.4	4.4		
18	0.6	1.1	1.6	2.6	3.5	4.5		
19	0.8	1.3	1.8	2.7	3.7	4.7		
20	0.1	1.0	1.5	2.0	3.0	3.9	4.9	
21	0.4	1.3	1.8	2.3	3.2	4.2	5.2	
22	1.2	1.8	2.2	2.6	3.6	4.5	5.4	
23	2.0	2.6	2.9	3.2	4.0	4.9	5.8	
24	2.9	3.4	3.7	4.0	4.6	5.4	6.2	
25	3.8	4.2	4.5	4.8	5.4	6.0	6.8	
26	4.7	5.1	5.3	5.6	6.2	6.8	7.4	
27	5.6	6.0	6.2	6.5	7.0	7.5	8.2	
28	6.5	6.9	7.1	7.3	7.8	8.3	8.9	

▶ Advice

Mounting plates and accessories, see pages 48 - 54

Mounting solutions, assembly information, assembly notes and quality criteria, see pages 160 - 168, 191



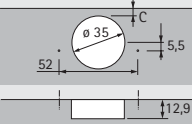
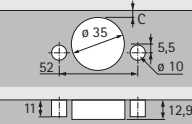
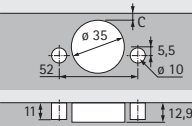
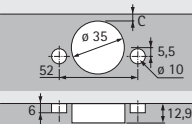
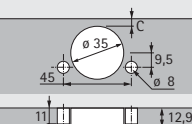
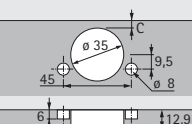
Fast-assembly concealed hinge with integrated soft-closure

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



- ▶ Concealed hinge with snap-on assembly and integrated soft-closure
- ▶ Quality grades to EN 15570, Level 3
- ▶ For cabinet face angle 30°
- ▶ For doors 15 - 28 mm thick
- ▶ 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
- ▶ Material of hinge arm: nickel-plated die-cast zinc
- ▶ Material of hinge cup: nickel-plated steel

Sensys 8639i W30, opening angle 95°

Cup assembly	Drilling pattern	Overlay	Inset	PU
		 Base B 2 mm (Cranking 2 mm)	 Base B - 16 mm (Cranking - 16 mm)	
Screw-on type TH 52		9 085 166	9 085 167	1/200 ea.
Press-in type TH 53		9 085 171	9 085 172	1/200 ea.
Flash fast assembly TH 54		9 085 176	9 085 177	1/200 ea.
Fix fast assembly TH 55		9 085 336	9 085 337	1/200 ea.
Screw-on type TB 52		9 085 191	9 085 192	1/200 ea.
Press-in type TB 53		9 085 196	9 085 197	1/200 ea.
Fix fast assembly TB 55		9 085 341	9 085 342	1/200 ea.

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

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	0.2	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	0.6	0.6	0.6	0.6	0.6	0.5	0.5	
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	3.9	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	4.5	4.2	
28	7.5	6.9	6.6	6.3	5.8	5.3	4.9	

Please 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:
Values shown in table + 0.4 mm

Radius 3 mm:
Values shown in table - 0.6 mm

Note

The drawings below show the hinges including mounting plate distances on a scale of 1:1. The door reveal can be measured directly from the individual distance lines by drawing in the required cup distance C (3 - 8 mm).

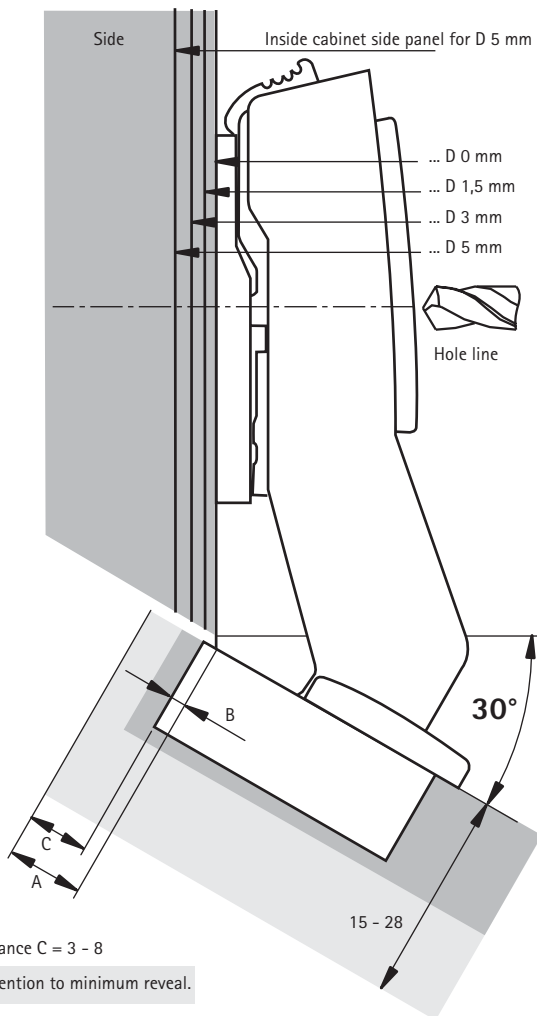
To determine the position for securing the mounting plate, measure along the selected distance line from the carcass front edge to the corresponding marking line for the line of holes.

Depending on door thickness and cup distance C, the required minimum reveal must be taken into account as shown in the table.

Overlay - Scale 1:1

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

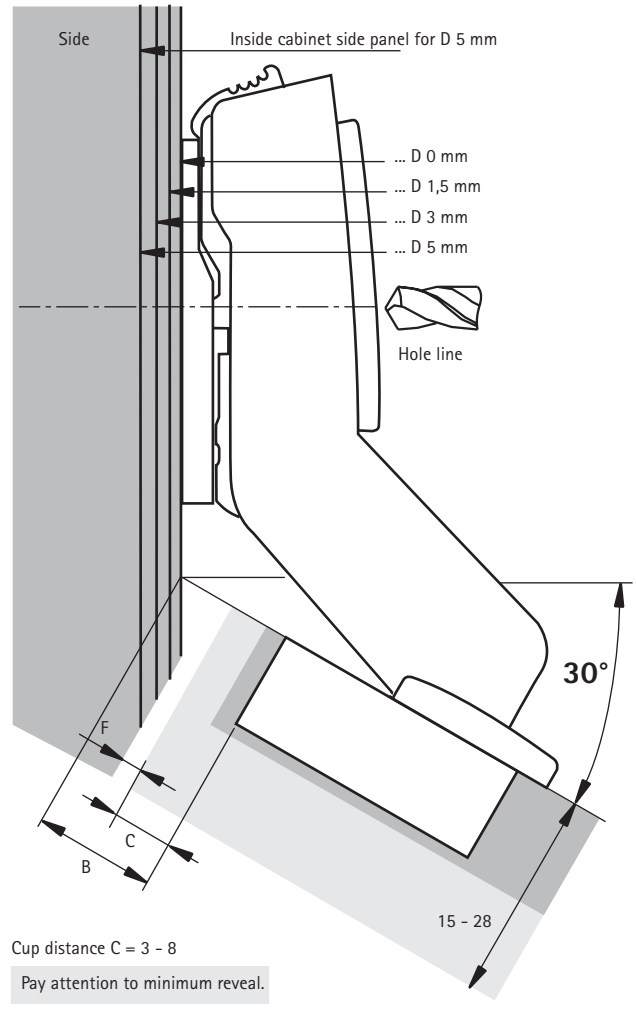
$$= 0.87 \times (\text{cup distance C} + 2 \text{ mm} - \text{overlay A})$$



Inset - 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

Mounting plates and accessories, see pages 48 - 54

Mounting solutions, assembly information, assembly notes and quality criteria, see pages 160 - 168, 191



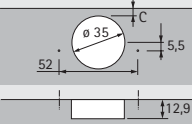
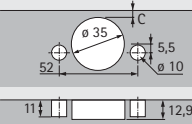
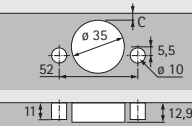
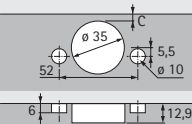
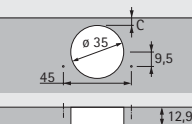
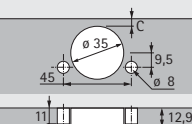
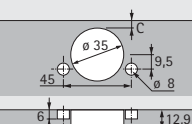
Fast-assembly concealed hinge with integrated soft-closure

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



- ▶ Concealed hinge with snap-on assembly and integrated soft-closure
- ▶ Quality grades to EN 15570, Level 3
- ▶ For cabinet face angle 45°
- ▶ For doors 15 - 28 mm thick
- ▶ 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
- ▶ Material of hinge arm: nickel-plated die-cast zinc
- ▶ Material of hinge cup: nickel-plated steel

Sensys 8639i W45, opening angle 95°

Cup assembly	Drilling pattern	Overlay	Inset	PU
		 Base B - 2 mm (Cranking - 2 mm)	 Base B - 25 mm (Cranking - 25 mm)	
Screw-on type TH 52		9 085 168	9 085 169	1/200 ea.
Press-in type TH 53		9 085 173	9 085 174	1/200 ea.
Flash fast assembly TH 54		9 085 178	9 085 179	1/200 ea.
Fix fast assembly TH 55		9 085 338	9 085 339	1/200 ea.
Screw-on type TB 52		9 085 193	9 085 194	1/200 ea.
Press-in type TB 53		9 085 198	9 085 199	1/200 ea.
Fix fast assembly TB 55		9 085 343	9 085 344	1/200 ea.

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

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	0.2	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	0.6	0.6	0.6	0.6	0.6	0.5	0.5	
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	3.9	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	4.5	4.2	
28	7.5	6.9	6.6	6.3	5.8	5.3	4.9	

Please 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:
Values shown in table + 0.4 mm

Radius 3 mm:
Values shown in table - 0.6 mm

Note

The drawings below show the hinges including mounting plate distances on a scale of 1:1. The door reveal can be measured directly from the individual distance lines by drawing in the required cup distance C (3 - 8 mm).

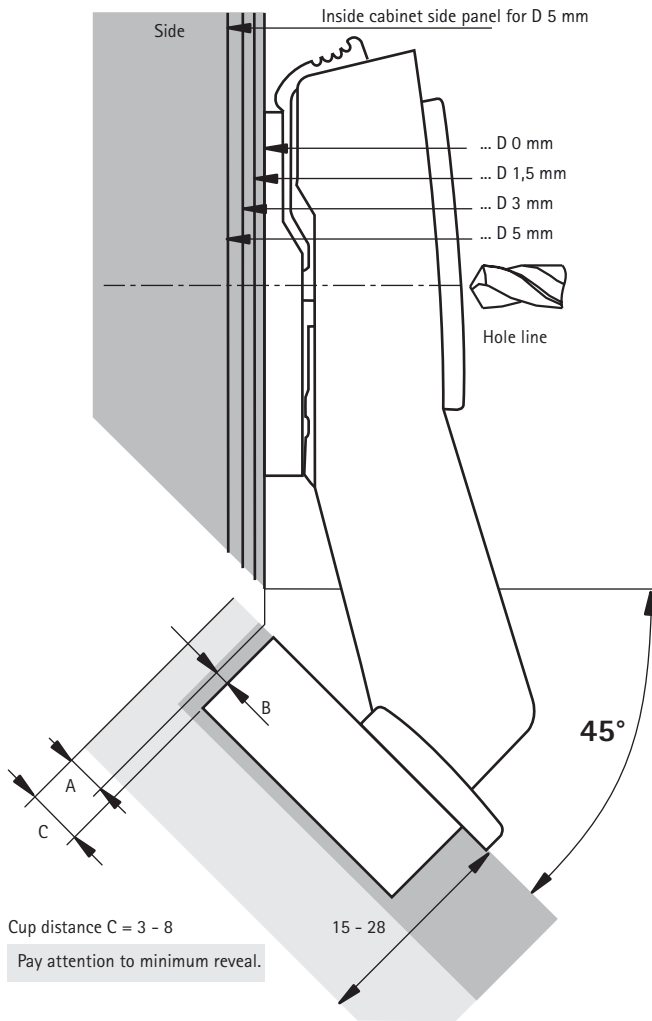
To determine the position for securing the mounting plate, measure along the selected distance line from the carcass front edge to the corresponding marking line for the line of holes.

Depending on door thickness and cup distance C, the required minimum reveal must be taken into account as shown in the table.

Overlay - Scale 1:1

$$\text{Distance D} = 0.71 \times (C + B - A)$$

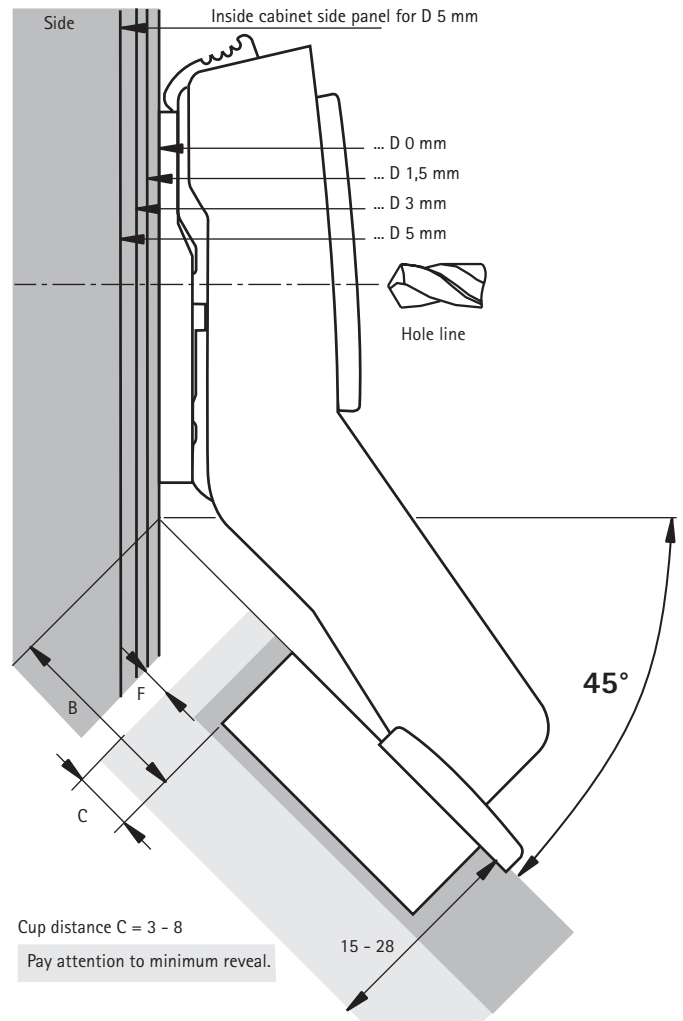
$$= 0.71 \times (\text{cup distance C} - 2 \text{ mm} - \text{overlay A})$$



Inset - Scale 1:1

$$\text{Distance D} = 0.71 \times (C + B + F)$$

$$= 0.71 \times (\text{cup distance C} - 25 \text{ mm} + \text{reveal F})$$



Advice

Mounting plates and accessories, see pages 48 - 54

Mounting solutions, assembly information, assembly notes and quality criteria, see pages 160 - 168, 191


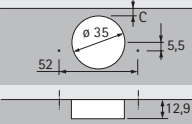
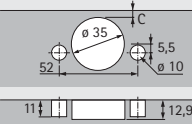
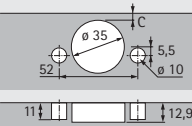
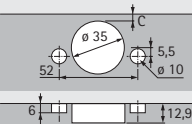
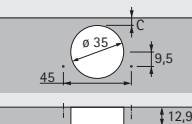
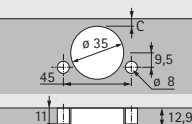
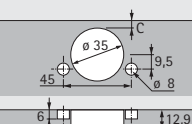
Fast-assembly concealed hinge with integrated soft-closure

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



- ▶ Concealed hinge with snap-on assembly and integrated soft-closure
- ▶ Quality grades to EN 15570, Level 3
- ▶ For cabinet angle 90°
- ▶ For doors 15 - 28 mm thick
- ▶ 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 at mounting plate
- ▶ Material of hinge arm: nickel-plated die-cast zinc
- ▶ Material of hinge cup: nickel-plated steel

Sensys 8639i W90, opening angle 95°

Cup assembly	Drilling pattern	Inset  Base B 4 mm (Cranking 4 mm)	PU
Screw-on type TH 52		9 085 170	1/200 ea.
Press-in type TH 53		9 085 175	1/200 ea.
Flash fast assembly TH 54		9 085 180	1/200 ea.
Fix fast assembly TH 55		9 085 340	1/200 ea.
Screw-on type TB 52		9 085 195	1/200 ea.
Press-in type TB 53		9 085 200	1/200 ea.
Fix fast assembly TB 55		9 085 345	1/200 ea.

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

Minimum reveal per door

Door thickness mm	Cup distance C mm					
	3.0	4.0	4.5	5.0	6.0	7.0
15	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
17	0.4	0.4	0.4	0.4	0.4	0.4
18	0.6	0.6	0.6	0.6	0.6	0.5
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	2.6	2.4	2.2	2.0	1.9
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

Please 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:
Values shown in table + 0.4 mm

Radius 3 mm:
Values shown in table - 0.6 mm

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.

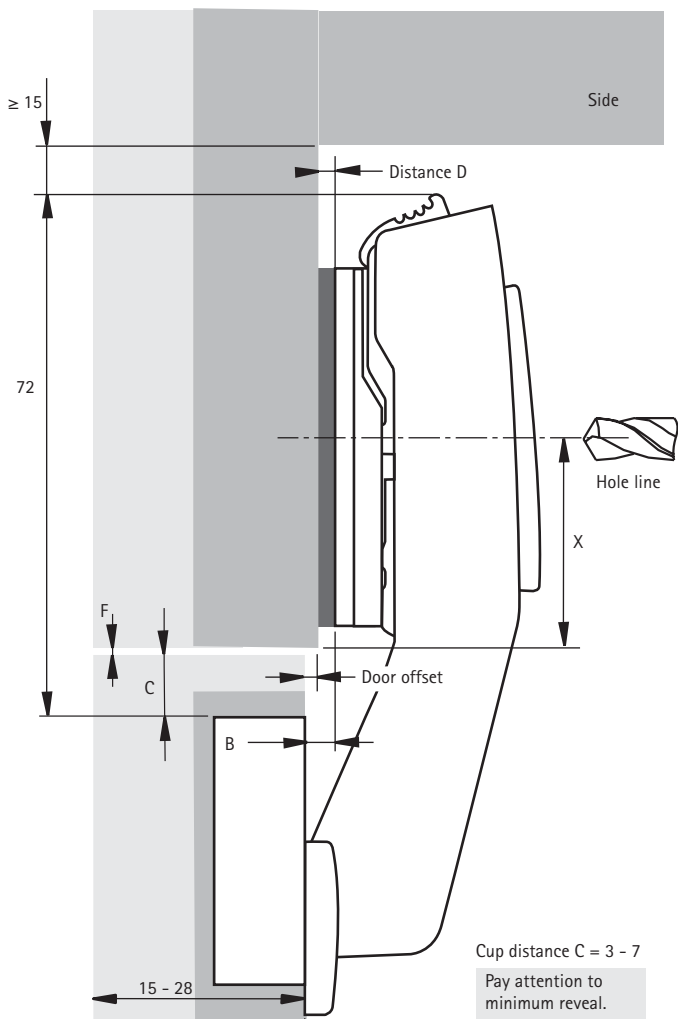
The values stated for the hole-line distance X apply when using a cross mounting plate.

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

$$\text{Hole-line distance X} = 38.5 \text{ mm} - \text{Cup distance C} - \text{Reveal F}$$

Inset - Scale 1:1

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



Reveal mm	Determination of hole-line distance X mm							
	Cup distance C mm							
	3.0	3.5	4.0	4.5	5.0	5.5	6.0	7.0
0.5	35.0	34.5	34.0	33.5	33.0	32.5	32.0	31.0
1.0	34.5	34.0	33.5	33.0	32.5	32.0	31.5	30.5
1.5	34.0	33.5	33.0	32.5	32.0	31.5	31.0	30.0
2.0	33.5	33.0	32.5	32.0	31.5	31.0	30.5	29.5
2.5	33.0	32.5	32.0	31.5	31.0	30.5	30.0	29.0
3.0	32.5	32.0	31.5	31.0	30.5	30.0	29.5	28.5
3.5	32.0	31.5	31.0	30.5	30.0	29.5	29.0	28.0
4.0	31.5	31.0	30.5	30.0	29.5	29.0	28.5	27.5
4.5	31.0	30.5	30.0	29.5	29.0	28.5	28.0	27.0
5.0	30.5	30.0	29.5	29.0	28.5	28.0	27.5	26.5
5.5	30.0	29.5	29.0	28.5	28.0	27.5	27.0	26.0
6.0	29.5	29.0	28.5	28.0	27.5	27.0	26.5	25.5
6.5	29.0	28.5	28.0	27.5	27.0	26.5	26.0	25.0
7.0	28.5	28.0	27.5	27.0	26.5	26.0	25.5	24.5

Advice

Mounting plates and accessories, see pages 48 - 54

Mounting solutions, assembly information, assembly notes and quality criteria, see pages 160 - 168, 191




Fast-assembly concealed hinge with integrated soft-closure

- ▶ Sensys 8638i for aluminium framed doors
- ▶ Opening angle 95°



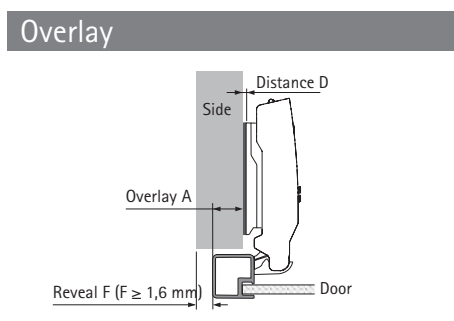
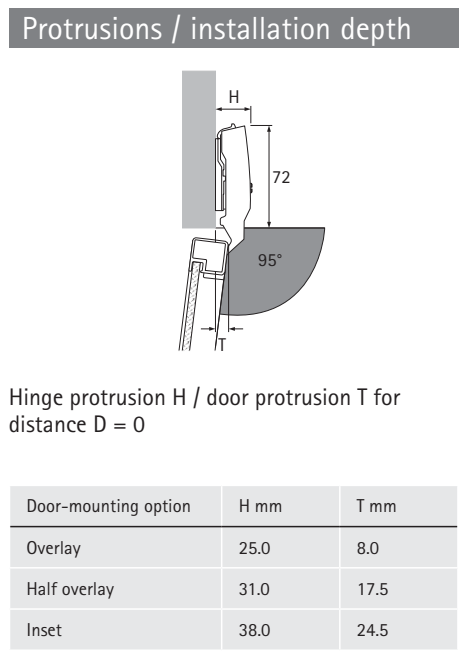
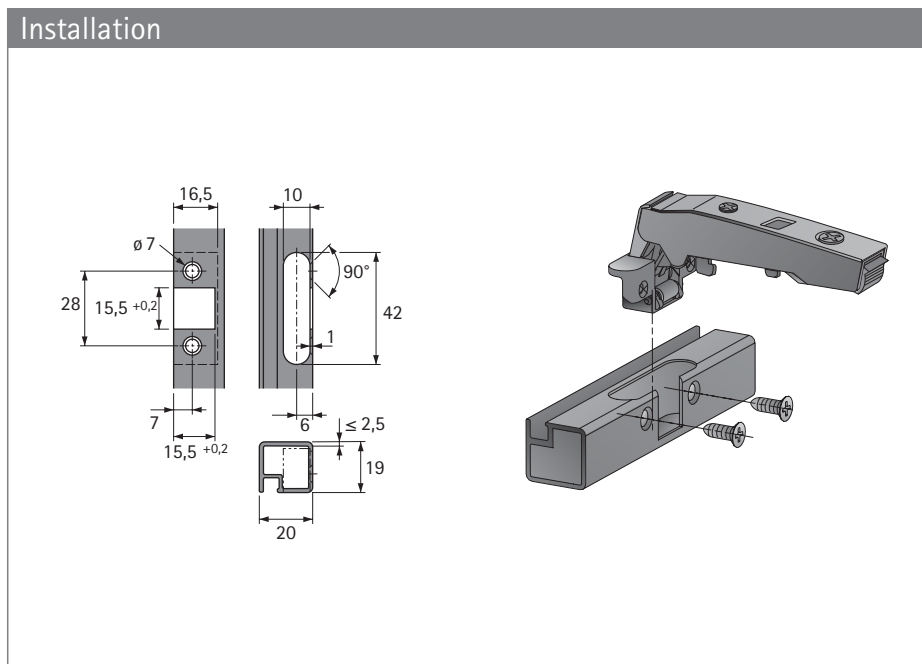
- ▶ Concealed hinge with snap-on assembly and integrated soft-closure
- ▶ Quality grades to EN 15570, Level 3
- ▶ For 19 mm wide aluminium framed profiles
- ▶ Integrated overlay adjustment + 2 mm / - 2 mm
- ▶ Integrated depth adjustment + 3 mm / - 2 mm
- ▶ Height adjustment at mounting plate
- ▶ Material of hinge arm: nickel-plated steel
- ▶ Material of hinge cup: nickel-plated zinc die-cast
- ▶ Including 2 fixing screws

Sensys 8638i, opening angle 95°

	Overlay	Half overlay	Inset	
				
Cup assembly	Base B 12.5 mm (Cranking 0 mm)	Base B 3 mm (Cranking 9.5 mm)	Base B - 4 mm (Cranking 16.5 mm)	PU
Screw-on type TA 32	9 071 421	9 071 422	9 071 423	1/200 ea.

Fast-assembly concealed hinge with integrated soft-closure

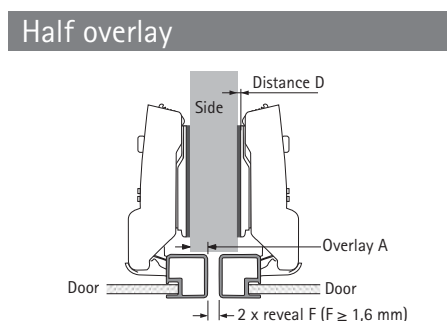
- ▶ Sensys 8638i for aluminium framed doors
- ▶ Opening angle 95°



$$\text{Distance D mm} = 4.5 \text{ mm} + B - A$$

$$= 4.5 \text{ mm} + 12.5 \text{ mm} - \text{Overlay A}$$

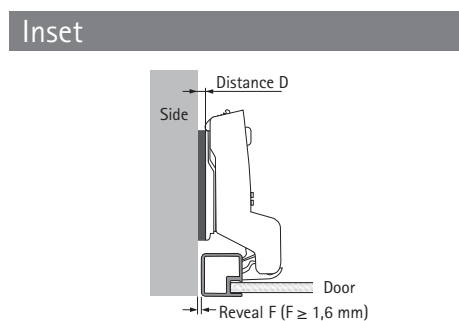
Overlay mm	Distance D mm
12	5.0
13	4.0
14	3.0
15	2.0
16	1.0
17	0.0



$$\text{Distance D mm} = 4.5 \text{ mm} + B - A$$

$$= 4.5 \text{ mm} + 3 \text{ mm} - \text{Overlay A}$$

Overlay mm	Distance D mm
0	7.5
1	6.5
2	5.5
3	4.5
4	3.5
5	2.5



$$\text{Distance D} = 4.5 \text{ mm} + B + F$$

$$= 4.5 \text{ mm} - 4 \text{ mm} + \text{reveal}$$

Reveal mm	Distance D mm
1.6	2.1
2	2.5
3	3.5
4	4.5
5	5.5

Advice

Mounting plates and accessories, see pages 48 - 54

Mounting solutions, assembly information, assembly notes and quality criteria, see pages 160 - 168, 191



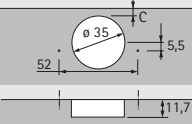
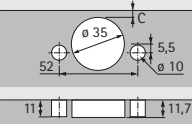
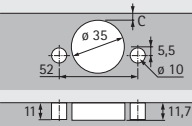
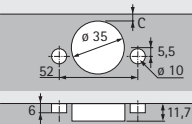
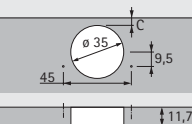
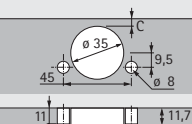
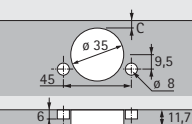
Fast-assembly concealed hinge

- ▶ Intermat 9956 with cup in Sensys design
- ▶ Opening angle 165°



- ▶ Concealed hinge for snap-on assembly
- ▶ Quality grades to EN 15570, Level 2
- ▶ For doors 16 - 24 mm thick
- ▶ Cup diameter 35 mm / Cup depth 11.6 mm
- ▶ Integrated overlay adjustment + 1 mm / - 2.5 mm
- ▶ Integrated depth adjustment 4 mm
- ▶ Height adjustment at mounting plate
- ▶ Opening angle can be infinitely reduced to 130°, screw for limiting the opening angle, see page 53
- ▶ Silent System clip-on soft-close element must be ordered separately, see page 45 (picture on the left shows the hinge with fitted soft-close element)
- ▶ Overlay door without door protrusion, i.e. unobstructed interior for pull-outs (when using mounting plate D = 0 mm)
- ▶ Inset door: Hinge B 3 / K 9.5 (e.g. reveal = 1 mm, C = 4.5 mm, D = 8.5 mm)
- ▶ Material of hinge arm: Steel nickel-plated / Zinc die-cast nickel-plated
- ▶ Material of hinge cup: Steel, nickel-plated

Intermat 9956, opening angle 165°

Cup assembly	Drilling pattern	Overlay  Base B 12.5 mm (Cranking 0 mm)	Half overlay  Base B 3 mm (Cranking 9.5 mm)	PU
Screw-on type TH 52		9 084 697	9 084 698	1/100 ea.
Press-in type TH 53		9 084 701	9 084 702	1/100 ea.
Flash fast assembly TH 54		9 084 705	9 084 706	1/100 ea.
Fix fast assembly TH 55		9 084 777	9 084 778	1/100 ea.
Screw-on type TB 52		9 084 725	9 084 726	1/100 ea.
Press-in type TB 53		9 084 729	9 084 730	1/100 ea.
Fix fast assembly TB 55		9 084 781	9 084 782	1/100 ea.

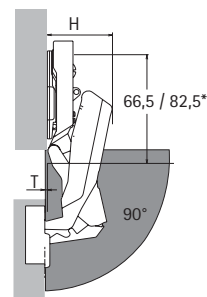
Fast-assembly concealed hinge

- ▶ **Intermat 9956 with cup in Sensys design**
- ▶ **Opening angle 165°**

Minimum reveal per door

Door thickness mm	Cup distance C mm				
	3.0	4.0	4.5	5.0	6.0
16	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0
21	0.1	0.1	0.1	0.1	0.1
22	0.1	0.1	0.1	0.1	0.1
23	0.2	0.2	0.2	0.2	0.2
24	0.3	0.3	0.3	0.3	0.4

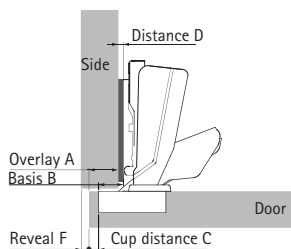
Protrusions / installation depth



No door protrusion T for distance D = 0 mm, unobstructed interior for pull-outs

Door-mounting option	H mm	T mm
Overlay	58.5 / 66.0*	- 0.8
Half overlay	68.0 / 75.5*	8.7
* with soft-close element		

Overlay

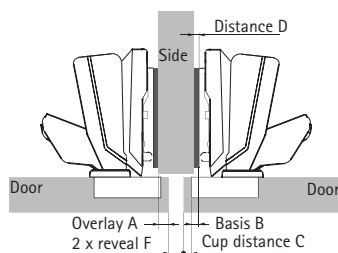


$$\text{Distance D} = \text{C} + \text{B} - \text{A}$$

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

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

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
Distance D mm					
- 2	8.0	9.0	9.5	10.0	11.0
- 1	7.0	8.0	8.5	9.0	10.0
0	6.0	7.0	7.5	8.0	9.0
1	5.0	6.0	6.5	7.0	8.0
2	4.0	5.0	5.5	6.0	7.0
3	3.0	4.0	4.5	5.0	6.0
4	2.0	3.0	3.5	4.0	5.0
5	1.0	2.0	2.5	3.0	4.0
6	0.0	1.0	1.5	2.0	3.0
7		0.0	0.5	1.0	2.0
8				0.0	1.0

Silent System clip-on soft-closing element



- ▶ Cushioning effect infinitely adjustable at setting wheel
- ▶ Toolless installation / removal
- ▶ Easy to add on
- ▶ Only 1 soft-closing element required for 2 hinges

Order no.	PU
9 084 643	1/100 ea.

▶ Advice

Mounting plates and accessories, see pages 48 - 54
For fitting information, mounting advice and quality criteria, see pages 160 - 168, 191

Fast-assembly concealed hinge

- ▶ Intermat 9930 for corner unit folding doors with cup in Sensys design
- ▶ Opening angle 50° / 65°



- ▶ Concealed hinge for snap-on assembly
- ▶ Quality grades to EN 15570, Level 2
- ▶ Cup diameter 35 mm
- ▶ Cup depth 12.8 mm
- ▶ Diagonal adjustment + 9.5 mm / - 9.5 mm
- ▶ Integrated overlay adjustment, see sketch
- ▶ Integrated depth adjustment see sketch
- ▶ Height adjustment at mounting plate
- ▶ Material of hinge arm: Die-cast zinc nickel-plated
- ▶ Material of hinge cup: Steel, nickel-plated

Intermat 9930, opening angle 50° / 65°

Cup assembly	Drilling pattern	Overlay	PU
Screw-on type TH 52			1/200 ea.
Press-in type TH 53			1/200 ea.
Flash fast assembly TH 54			1/200 ea.
Fix fast assembly TH 55			1/100 ea.
Screw-on type TB 52			1/200 ea.
Press-in type TB 53			1/200 ea.
Fix fast assembly TB 55			1/100 ea.

Fast-assembly concealed hinge

- ▶ **Intermat 9930 for corner unit folding doors with cup in Sensys design**
- ▶ **Opening angle 50° / 65°**

Version A - Cup drill holes in one door

- ▶ All cup drill holes in one door
- ▶ Hairline reveal can be provided between door elements
- ▶ No cutaway necessary in cup holes
- ▶ Same door width for both elements
- ▶ Diagonal adjustment capability for easy adjustment to door thickness
- ▶ Same cup distance on both sides of side-mounted door
- ▶ Hole-line distance of 37 mm in the folding door panel
- ▶ For doors from 16 to 21 mm thick.
- ▶ Cup distance C 3 - 6 mm

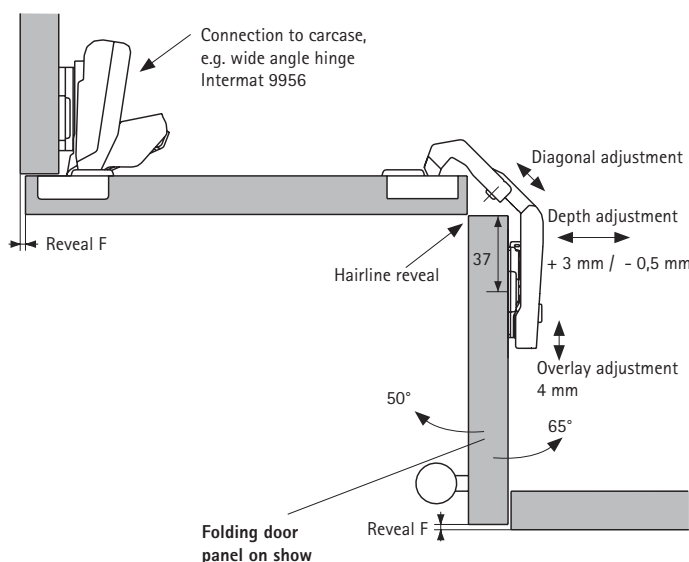
Version A - Calculation of door width

Door width = carcass width - reveal F - door thickness

Version A - Calculation of mounting-plate distance

For cup distance C = 4.5 mm: Distance D = 0 mm
 For cup distance C = 3.0 mm: Distance D = 1.5 mm

Differing cup distances can be evened out by depth and diagonal adjustment capability.



▶ Advice

Mounting plates and accessories, see pages 48 - 54
 For fitting information, mounting advice and quality criteria, see pages 160 - 168, 191

Version B - Cup drill holes in both doors

- ▶ Both door elements are the same
- ▶ No cutaway necessary in cup holes
- ▶ Diagonal adjustment capability for easy adjustment to door thickness
- ▶ Hole-line distance of 41 mm in the side-mounted door
- ▶ For doors from 16 to 21 mm thick.
- ▶ Cup distance C 3 - 6 mm

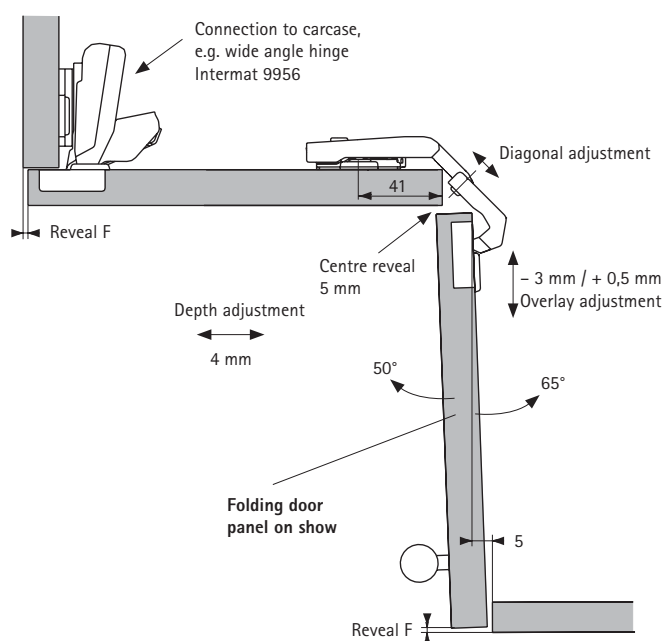
Version B - Calculation of door width

Door width = carcass width - reveal F - door thickness - 5 mm

Version B - Calculation of mounting-plate distance

For cup distance C = 4.5 mm: Distance D = 0 mm
 For cup distance C = 3.0 mm: Distance D = 1.5 mm

Differing cup distances can be evened out by depth and diagonal adjustment capability.

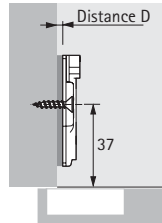


Fast-assembly concealed hinge

- ▶ System 8099 mounting plates with oblong-hole height adjustment capability
- ▶ For Sensys and Intermat

Screw-on cross mounting plate

- ▶ For $\varnothing 4.5 \times 16$ mm countersunk wood screws
- ▶ Hole spacing 32 mm
- ▶ Oblong hole height adjustment ± 3 mm
- ▶ Steel, nickel-plated

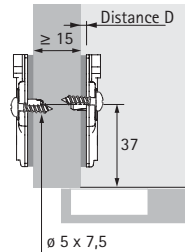


Distance D mm	Order no.	PU
0,0	9 071 575	1/200 ea.
1.5	9 071 576	1/200 ea.
3.0	9 071 577	1/200 ea.
5.0	9 071 578	1/200 ea.



Patented "Hettich Direkt" cross mounting plate with pilot pin and special screws

- ▶ For $\varnothing 5 \times 7.5$ mm holes
- ▶ Hole spacing 32 mm
- ▶ Half overlay door, from 15 mm side panel thickness
- ▶ Oblong hole height adjustment ± 2.5 mm
- ▶ Steel, nickel-plated

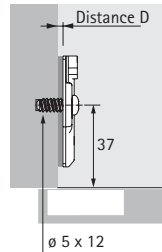


Distance D mm	Order no.	PU
0.0	9 071 585	1/200 ea.
1.5	9 071 586	1/200 ea.
3.0	9 071 587	1/200 ea.
5.0	9 071 588	1/200 ea.



Cross mounting plate with premounted Euro screws

- ▶ For $\varnothing 5 \times 12$ mm holes
- ▶ Hole spacing 32 mm
- ▶ Oblong hole height adjustment ± 3 mm
- ▶ Steel, nickel-plated

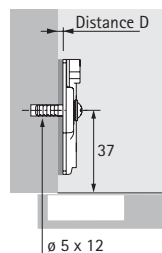


Distance D mm	Order no.	PU
0.0	9 071 625	1/200 ea.
1.5	9 071 626	1/200 ea.
3.0	9 071 627	1/200 ea.
5.0	9 071 628	1/200 ea.



Cross mounting plate with expanding sockets and special screws

- ▶ For $\varnothing 5 \times 12$ mm holes
- ▶ Hole spacing 32 mm
- ▶ Oblong hole height adjustment ± 2.5 mm
- ▶ Steel, nickel-plated



Distance D mm	Order no.	PU
0.0	9 071 595	1/200 ea.
1.5	9 071 596	1/200 ea.
3.0	9 071 597	1/200 ea.
5.0	9 071 598	1/200 ea.

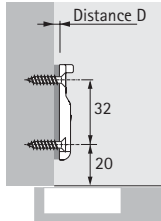


Fast-assembly concealed hinge

- ▶ System 8099 mounting plates with oblong-hole height adjustment capability
- ▶ For Sensys and Intermat

Screw-on linear mounting plate

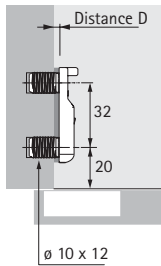
- ▶ For \varnothing 3.5 x 16 mm countersunk wood screws
- ▶ Screw head to DIN 7997
- ▶ Oblong hole height adjustment \pm 1.6 mm
- ▶ Zinc die-cast nickel-plated



Distance D mm	Order no.	PU
0.5	9 084 993	1/200 ea.
3.0	9 084 994	1/200 ea.

Press-in linear mounting plate

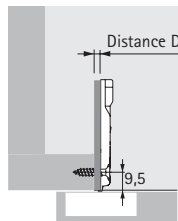
- ▶ For hole \varnothing 10 mm x 12 mm
- ▶ Oblong hole height adjustment \pm 1.6 mm
- ▶ Zinc die-cast nickel-plated



Distance D mm	Order no.	PU
0.5	9 084 991	1/200 ea.
3.0	9 084 992	1/200 ea.

System 8000 screw-on face-frame mounting plate

- ▶ For \varnothing 4 x 20 mm countersunk wood screws
- ▶ Hole spacing 40 mm
- ▶ Oblong hole height adjustment \pm 2 mm
- ▶ Can only be used with Sensys hinges
- ▶ Zinc die-cast nickel-plated



Distance D mm	Order no.	PU
0.0	9 084 930	1/200 ea.
4.5	9 084 931	1/200 ea.

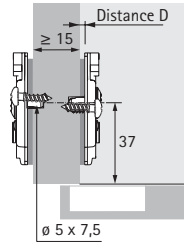
Can only be used with Sensys hinges

Fast-assembly concealed hinge

- ▶ System 8099 mounting plates with eccentric height adjustment capability
- ▶ For Sensys and Intermat

Patented "Hettich Direkt" cross mounting plate with pilot pin and special screws

- ▶ For $\varnothing 5 \times 7.5$ mm holes
- ▶ Hole spacing 32 mm
- ▶ Half overlay door, from 15 mm side panel thickness
- ▶ Eccentric height adjustment ± 2 mm
- ▶ Steel, nickel-plated

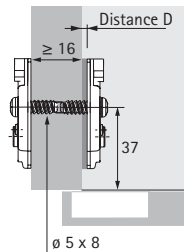


Distance D mm	Order no.	PU
0.0	9 071 650	1/200 ea.
1.5	9 071 651	1/200 ea.
3.0	9 071 652	1/200 ea.
5.0	9 071 653	1/200 ea.



Cross mounting plate with premounted Euro screws

- ▶ For $\varnothing 5 \times 8$ mm holes
- ▶ Hole spacing 32 mm
- ▶ Half overlay door, from 16 mm side panel thickness
- ▶ Eccentric height adjustment ± 2 mm
- ▶ Steel, nickel-plated

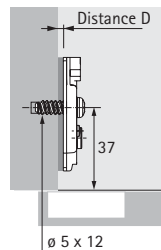


Distance D mm	Order no.	PU
0.0	9 071 645	1/200 ea.
1.5	9 071 646	1/200 ea.
3.0	9 071 647	1/200 ea.
5.0	9 071 648	1/200 ea.



Cross mounting plate with premounted Euro screws

- ▶ For $\varnothing 5 \times 12$ mm holes
- ▶ Hole spacing 32 mm
- ▶ Eccentric height adjustment ± 2 mm
- ▶ Steel, nickel-plated

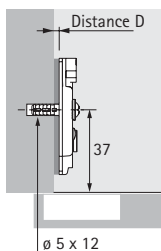


Distance D mm	Order no.	PU
0.0	9 071 665	1/200 ea.
1.5	9 071 666	1/200 ea.
3.0	9 071 667	1/200 ea.
5.0	9 071 668	1/200 ea.



Cross mounting plate with expanding sockets and special screws

- ▶ For $\varnothing 5 \times 12$ mm holes
- ▶ Hole spacing 32 mm
- ▶ Eccentric height adjustment ± 2 mm
- ▶ Steel, nickel-plated



Distance D mm	Order no.	PU
0.0	9 071 655	1/200 ea.
1.5	9 071 656	1/200 ea.
3.0	9 071 657	1/200 ea.
5.0	9 071 658	1/200 ea.

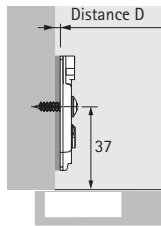


Fast-assembly concealed hinge

- ▶ System 8099 mounting plates with cam height adjustment capability
- ▶ For Sensys and Intermat

Cross mounting plate with premounted chipboard screws

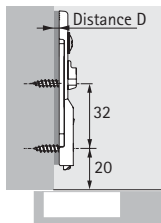
- ▶ For holes with max. \varnothing 2.5 mm
- ▶ Hole spacing 32 mm
- ▶ Eccentric height adjustment \pm 2 mm
- ▶ Steel, nickel-plated



Distance D mm	Order no.	PU
0.0	9 071 670	1/200 ea.
1.5	9 071 671	1/200 ea.
3.0	9 071 672	1/200 ea.
5.0	9 071 673	1/200 ea.

Screw-on linear mounting plate

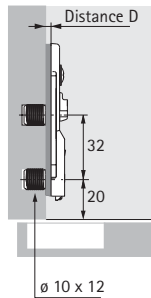
- ▶ For \varnothing 3.5 x 16 mm countersunk wood screws
- ▶ Eccentric height adjustment \pm 2 mm
- ▶ Steel, nickel-plated



Distance D mm	Order no.	PU
1.5	9 071 687	1/200 ea.
3.0	9 071 688	1/200 ea.
5.0	9 071 689	1/200 ea.

Press-in linear mounting plate

- ▶ For \varnothing 10 x 12 mm holes
- ▶ Eccentric height adjustment \pm 2 mm
- ▶ Steel, nickel-plated



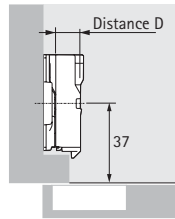
Distance D mm	Order no.	PU
1.5	9 071 697	1/200 ea.
3.0	9 071 698	1/200 ea.
5.0	9 071 699	1/200 ea.

Fast-assembly concealed hinge

- ▶ Sensys
- ▶ Accessories

Parallel adapter for cross mounting plates

- ▶ For increasing the mounting-plate distance by max. 22 mm
- ▶ Including fixing screw
- ▶ A trial door mounting is recommended
- ▶ Zinc die-cast nickel-plated

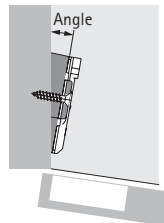


Distance D mm	Order no.	PU
8.0	9 072 231	1/200 ea.
12.0	9 072 232	1/200 ea.
22.0	9 072 233	1/200 ea.

Can only be used with cross mounting plates System 9000 with oblong hole height adjustment, see page 106

Angle adapter for cross mounting plates

- ▶ For realizing angled mounting options
- ▶ 5° angle adapter can be stacked on the other angle adapters
- ▶ A trial door mounting is recommended
- ▶ Zinc die-cast nickel-plated



Angle °	Order no.	PU
5	9 072 214	1/200 ea.
10	9 072 215	1/200 ea.
15	9 072 216	1/200 ea.
20	9 072 217	1/200 ea.

Can only be used with screw-on cross mounting plates, see page 48, screw length is defined by the specific configuration

Cover cap for Sensys hinge arm



- ▶ Can be used with Sensys hinges
- ▶ Cover caps with customised imprint available on request
- ▶ Steel, nickel-plated

Version	Order no.	PU
Neutral	9 082 612	1/200 ea.
Embossed with Hettich logo	9 082 774	1/200 ea.

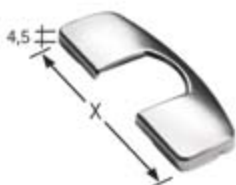
Cover cap for Intermat hinge arm



- ▶ Can be used with Intermat hinges
- ▶ Cover caps with customised imprint available on request
- ▶ Steel, nickel-plated

Version	Order no.	PU
Neutral	0 013 300	1/50 ea.
Embossed with Hettich logo	9 042 839	1/200 ea.

Cover cap for hinge cup

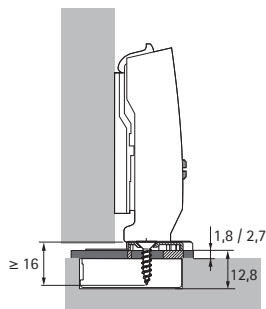


- ▶ Can be used for Sensys and Intermat 9930 with cup in Sensys Design
- ▶ Steel, nickel-plated

Version	Size Xmm	Order no.	PU
for TH52 / TH53 / TH 54	68.2	9 082 614	1/200 ea.
For TB 52 / TB 53	61.4	9 084 924	1/200 ea.

- ▶ Sensys
- ▶ Accessories

Adapter for reducing cup depth



- ▶ To reduce the required depth of the cup drilling in thin or highly softened doors
- ▶ Can be used with screw-on hinge-cup
- ▶ The gap between carcass and door increases by the thickness of the adapter
- ▶ Attachment with countersunk wood screws $\varnothing 4 \times 16$ mm
- ▶ Transparent plastic

Version	Thickness mm	Order no.	PU
For cup TH 52	1.8	9 072 980	1/200 ea.
For cup TH 52	2.7	9 072 981	1/200 ea.

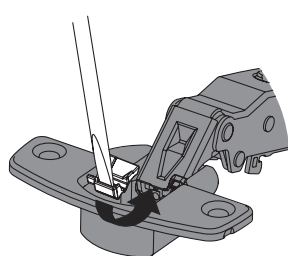
Opening angle limiter



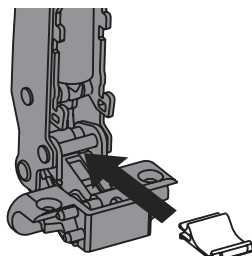
- ▶ For reducing the opening angle of doors on cabinets with adjoining or projecting elements
- ▶ Avoids damage to the front
- ▶ Assembly note, see page 168

Version	Opening angle stop	Order no.	PU
1 For Sensys 8645i	from 110° to 85°	9 071 468	1/200 ea.
2 For Sensys 8639i, 8639i W	from 95° to 85°	9 071 469	1/200 ea.
3 For Sensys 8638i Alu	from 95° to 85°	9 071 470	1/200 ea.
4 For Intermat 9956 with cup in Sensys design	from 165° to 130° (infinite)	9 084 648	1/200 ea.

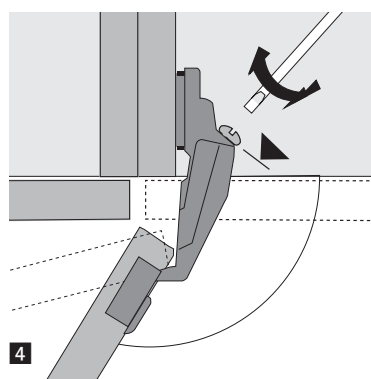
See mounting information for a detailed description of mounting



1 2



3



4

Fast-assembly concealed hinge

- ▶ Sensys
- ▶ Accessories

Fixing screw



- ▶ Countersunk head
- ▶ Pozidrive cross head
- ▶ Steel, nickel-plated

Version	Dimensions mm	Order no.	PU
For screw-on cup	ø 3.5 x 16	0 071 925	200 ea.
For aluminium frame hinge	ø 3.5 x 9.5	0 041 296	200 ea.

Concealed hinges

► Intermat fast-assembly concealed hinge



Intermat is the handy and versatile hinge for fast assembly. It is particularly easy to fit and can be adjusted without effort. Intermat hinges can be used for virtually every

application. Intermat offers tangible convenience in everyday use. With the optional Silent System, it lets cabinet doors close without a sound.



Typically Intermat: the ergonomic snap-on assembly system. Quick and astoundingly easy.



Variety of mounting options – for made-to-measure face angles and opening angles.



The Silent System soft-close feature is easily retrofitted: it is simply clipped or screwed on or secured to the hinge cup.



Unhinge doors? Nothing could be simpler thanks to the sliding latch in the hinge arm.

Concealed hinges

- ▶ Intermat fast-assembly concealed hinge
- ▶ Summary



Intermat
Range summary

58 - 59



Mounting plates system 8099
for Sensys and Intermat fast-assembly concealed hinges

48 - 51



Mounting plates system 9000
for Intermat fast-assembly concealed hinges

106 - 108



Accessories

109 - 111



Optional soft closure Silent System
Summary

112 - 113



Intermat with Push to open function
Push to open system for opening handleless furniture fronts
Summary

122 - 123



Technical Information

- ▶ Mounting configurations
- ▶ Processing instructions
- ▶ Mounting information / Quality criteria

160 - 161

162 - 163

164 - 168 / 191



Assembly aids

2681

Fast-assembly concealed hinge

- ▶ **Intermat**
- ▶ **Range summary**



Intermat 9943

- ▶ For doors up to 25 mm thick
- ▶ 110° opening angle

60 - 61



Intermat 9944

- ▶ For doors up to 28 mm thick
- ▶ 125° opening angle

62 - 63



Intermat 9956

- ▶ For doors up to 24 mm thick
- ▶ 165° opening angle

64 - 65



Intermat 9936

- ▶ For profile doors up to 32 mm
- ▶ 95° opening angle

66 - 68



Intermat 9935

- ▶ For profile doors up to 43 mm
- ▶ 95° opening angle

69 - 71



Intermat 9936 W20

- ▶ For profile doors, cabinet angle 20°
- ▶ 95° opening angle

72 - 73



Intermat 9936 W30

- ▶ For profile doors, face angle 30°
- ▶ 95° opening angle

74 - 75



Intermat 9936 W45

- ▶ For profile doors, face angle 45°
- ▶ 95° opening angle

76 - 78



Intermat 9936 W90

- ▶ For profile doors, face angle 90°
- ▶ 95° opening angle

80 - 81



Intermat 9944 W-30 / W-45

- ▶ For cabinet angle -30° / -45°
- ▶ 125° opening angle

82 - 85



Intermat 9924

- ▶ For framed doors
- ▶ 95° opening angle

86 - 87



Intermat 9924 W30 / W45

- ▶ For framed doors, cabinet angle 30° / 45°
- ▶ 95° opening angle

88 - 91

- ▶ **Intermat**
- ▶ **Range summary**



Intermat 9904

- ▶ For glass doors
- ▶ 95° opening angle

92 - 93



Intermat 9904 W45

- ▶ For glass doors, 45° face angle
- ▶ 95° opening angle

94 - 95



Intermat 9936 Alu

- ▶ For 19 mm wide aluminium framed doors
- ▶ 95° opening angle

96 - 97



Intermat 9944 aluminium

- ▶ For 19 mm wide aluminium framed doors
- ▶ 125° opening angle

98 - 99



Intermat 9930

- ▶ For corner unit folding doors
- ▶ Opening angle 50° / 65°

100 - 101



Intermat 9945

- ▶ With variable overlay
- ▶ 95° opening angle

102 - 103



Intermat Konsul 5

- ▶ For rebated doors
- ▶ 180° opening angle

104 - 105



Mounting plates System 8099

- ▶ For Sensys and Intermat

48 - 51



Mounting plates System 9000

- ▶ For Intermat

106 - 108



Accessories

109 - 111



Silent System soft closure

- ▶ Optional soft-closing function for Intermat

112 - 113



Push to open opening system

- ▶ Intermat Push to open
- ▶ Opening system for handleless furniture fronts

122 - 123

Fast-assembly concealed hinge

- ▶ **Intermat 9943**
- ▶ **Opening angle 110°**



- ▶ Concealed hinge for snap-on attachment
- ▶ Quality grades to EN 15570, Level 3
- ▶ For door thickness 15 - 25 mm
- ▶ Cup diameter 35 mm
- ▶ Cup depth 11.6 mm
- ▶ Integrated overlay adjustment + 1 mm / - 2.5 mm
- ▶ Integrated depth adjustment 4 mm
- ▶ Height adjustment at mounting plate
- ▶ Material of hinge arm: Steel, nickel-plated
- ▶ Material of hinge cup: Steel, nickel-plated

Intermat 9943, opening angle 110°

Cup assembly	Drilling pattern	Overlay	Half overlay	Inset	PU
		Base B 12.5 mm (Cranking 0 mm)	Base B 3 mm (Cranking 9.5 mm)	Base B - 3.5 mm (Cranking 16 mm)	
Screw-on type TH 42		0 048 049	0 048 051	0 048 052	1/50 ea.
Press-in type TH 43		0 048 053	0 048 054	0 048 055	1/50 ea.
Flash fast assembly TH 44		0 048 059	0 048 061	0 048 062	1/50 ea.
Fix fast assembly TH 45		0 048 066	0 048 068	0 048 069	1/50 ea.
Press-in type TB 43		0 048 056	0 048 057	0 048 058	1/50 ea.
Fix fast assembly TB 45		0 048 071	0 048 072	0 048 073	1/50 ea.

Fast-assembly concealed hinge

- ▶ **Intermat 9943**
- ▶ **Opening angle 110°**

Minimum reveal per door

Door thickness mm	Cup distance C mm				
	3.0	4.0	4.5	5.0	6.0
15	0.4	0.4	0.4	0.4	0.4
16	0.6	0.5	0.5	0.5	0.5
17	0.8	0.7	0.7	0.7	0.7
18	1.0	1.0	1.0	1.0	0.9
19	1.4	1.3	1.3	1.2	1.2
20	1.7	1.7	1.6	1.6	1.5
21	2.2	2.1	2.0	2.0	1.9
22	2.9	2.6	2.5	2.4	2.3
23	3.7	3.3	3.2	3.0	2.8
24	4.5	4.1	3.9	3.7	3.4
25	5.4	4.9	4.7	4.5	4.1

Please note:

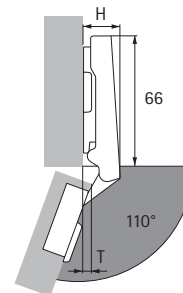
The values in the table refer to doors with an edge radius of 1 mm.

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 + 0.8 mm

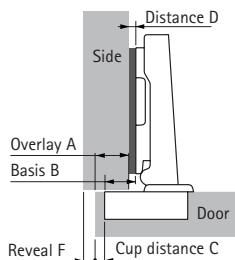
Protrusions / installation depth



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

Door-mounting option	H mm	T mm
Overlay	19.5	7.5
Half overlay	29.0	17.0
Inset	35.5	23.5

Overlay

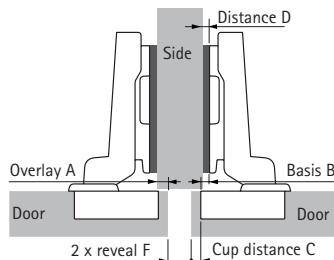


$$\text{Distance D} = \text{C} + \text{B} - \text{A}$$

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

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

Half overlay

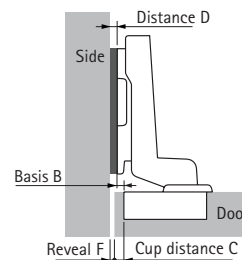


$$\text{Distance D} = \text{C} + \text{B} - \text{A}$$

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

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

Inset



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

$$= \text{cup distance C} - 3.5 \text{ mm} + \text{reveal F}$$

Door thickness mm	Cup distance C mm				
	3.0	4.0	4.5	5.0	6.0
Distance D mm					
15		0.9	1.4	1.9	2.9
16	0.1	1.0	1.5	2.0	3.0
17	0.3	1.2	1.7	2.2	3.2
18	0.5	1.5	2.0	2.5	3.4
19	0.9	1.8	2.3	2.7	3.7
20	1.2	2.2	2.6	3.1	4.0
21	1.7	2.6	3.0	3.5	4.3
22	2.4	3.1	3.5	3.9	4.8
23	3.2	3.8	4.2	4.5	5.3
24	4.0	4.6	4.9	5.2	5.9
25	4.9	5.4	5.7	6.0	6.6

▶ Advice

Mounting plates and accessories, see pages 48 - 51, 160 - 111
 Optional soft closure Silent System and Push to open system, see pages 112 - 113, 122 - 123
 Mounting solutions, fitting information, assembly notes and quality criteria, see pages 160 - 168, 191

Fast-assembly concealed hinge

- ▶ **Intermat 9944**
- ▶ **Opening angle 125°**



- ▶ Concealed hinge for snap-on attachment
- ▶ Quality grades to EN 15570, Level 2
- ▶ For door thickness 15 - 28 mm
- ▶ Cup diameter 35 mm
- ▶ Cup depth 12.7 mm
- ▶ Integrated overlay adjustment + 1 mm / - 2.5 mm
- ▶ Integrated depth adjustment 4 mm
- ▶ Height adjustment at mounting plate
- ▶ Material of hinge arm: Steel, nickel-plated / zinc die-cast nickel-plated
- ▶ Material of hinge cup: Steel, nickel-plated

Intermat 9944, opening angle 125°

Cup assembly	Drilling pattern	Overlay	Half overlay	PU
		Base B 12.5 mm (Cranking 0 mm)	Base B 3 mm (Cranking 9.5 mm)	
Screw-on type TH 42		0 073 905	0 073 909	1/50 ea.
Press-in type TH 43		0 073 906	0 073 910	1/50 ea.
Flash fast assembly TH 44		0 073 908	0 073 912	1/50 ea.
Fix fast assembly TH 45		0 077 648	0 077 651	1/50 ea.
Press-in type TB 43		0 073 907	0 073 911	1/50 ea.
Fix fast assembly TB 45		0 077 649	0 077 652	1/50 ea.

Fast-assembly concealed hinge

- ▶ **Intermat 9944**
- ▶ **Opening angle 125°**

Minimum reveal per door

Door thickness mm	Cup distance C mm					
	3.0	4.0	4.5	5.0	5.5	6.0
15	0.6	0.6	0.6	0.6	0.6	0.6
16	0.9	0.8	0.8	0.8	0.8	0.8
17	1.1	1.1	1.1	1.0	1.0	1.0
18	1.4	1.4	1.3	1.3	1.3	1.3
19	1.8	1.7	1.7	1.6	1.6	1.6
20	2.1	2.1	2.0	2.0	1.9	1.9
21	2.6	2.5	2.4	2.4	2.3	2.3
22	3.2	3.0	2.9	2.8	2.8	2.7
23	3.8	3.6	3.5	3.4	3.3	3.2
24	4.6	4.2	4.1	4.0	3.9	3.8
25	5.4	5.0	4.8	4.6	4.5	4.4
26	6.3	5.8	5.6	5.4	5.2	5.1
27	7.1	6.6	6.4	6.2	6.0	5.8
28	8.0	7.5	7.2	7.0	6.8	6.6

Please note:

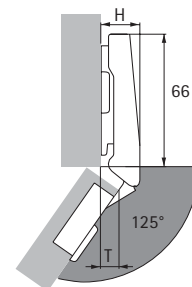
The values in the table refer to doors with an edge radius of 1 mm.

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 + 0.8 mm

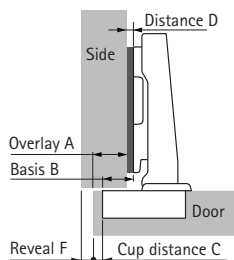
Protrusions / installation depth



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

Door-mounting option	H mm	T mm
Overlay	19.5	8.5
Half overlay	29.0	18.0

Overlay

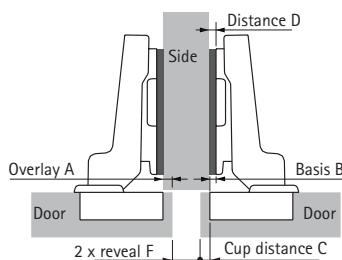


$$\text{Distance D} = \text{C} + \text{B} - \text{A}$$

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

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

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	5.5	6.0
Distance D mm						
- 2	8.0	9.0	9.5	10.0	10.5	11.0
- 1	7.0	8.0	8.5	9.0	9.5	10.0
0	6.0	7.0	7.5	8.0	8.5	9.0
1	5.0	6.0	6.5	7.0	7.5	8.0
2	4.0	5.0	5.5	6.0	6.5	7.0
3	3.0	4.0	4.5	5.0	5.5	6.0
4	2.0	3.0	3.5	4.0	4.5	5.0
5	1.0	2.0	2.5	3.0	3.5	4.0
6	0.0	1.0	1.5	2.0	2.5	3.0
7		0.0	0.5	1.0	1.5	2.0
8				0.0	0.5	1.0
9						0.0

Advice

Mounting plates and accessories, see pages 48 - 51, 160 - 111
 Optional soft closure Silent System and Push to open system, see pages 112 - 113, 122 - 123
 Mounting solutions, fitting information, assembly notes and quality criteria, see pages 160 - 168, 191



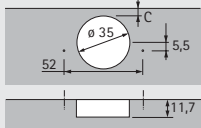
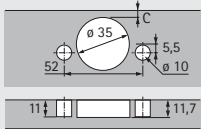
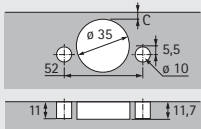
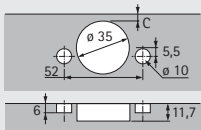
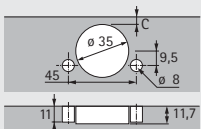
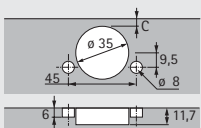
Fast-assembly concealed hinge

- ▶ **Intermat 9956**
- ▶ **Opening angle 165°**



- ▶ Concealed hinge for snap-on attachment
- ▶ Quality grades to EN 15570, Level 2
- ▶ For doors 16 - 24 mm thick
- ▶ Cup diameter 35 mm
- ▶ Cup depth 11.6 mm
- ▶ Integrated overlay adjustment + 1 mm / - 2.5 mm
- ▶ Integrated depth adjustment 4 mm
- ▶ Height adjustment at mounting plate
- ▶ Opening angle can be infinitely reduced to 120°, screw for limiting the opening angle, see page 110
- ▶ Overlay door without door protrusion, i.e. unobstructed interior for pull-outs (when using mounting plate D = 0 mm)
- ▶ Inset door: Hinge B 3 / K 9.5 (e.g. reveal = 1 mm, C = 4.5 mm, D = 8.5 mm)
- ▶ Material of hinge arm: Steel nickel-plated / zinc die-cast nickel-plated
- ▶ Material of hinge cup: Steel, nickel-plated

Intermat 9956, opening angle 165°

Cup assembly	Drilling pattern	Overlay  Base B 12.5 mm (Cranking 0 mm)	Half overlay  Base B 3 mm (Cranking 9.5 mm)	PU
Screw-on type TH 42		0 072 947	0 072 961	1/50 ea.
Press-in type TH 43		0 072 948	0 072 962	1/50 ea.
Flash fast assembly TH 44		0 072 124	0 072 964	1/50 ea.
Fix fast assembly TH 45		0 077 660	0 077 666	1/50 ea.
Press-in type TB 43		0 072 949	0 072 963	1/50 ea.
Fix fast assembly TB 45		0 077 661	0 077 667	1/50 ea.

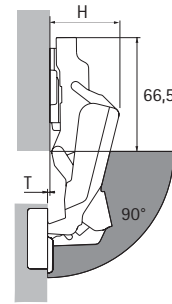
Fast-assembly concealed hinge

- ▶ **Intermat 9956**
- ▶ **Opening angle 165°**

Minimum reveal per door

Door thickness mm	Cup distance C mm				
	3.0	4.0	4.5	5.0	6.0
16	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0
21	0.1	0.1	0.1	0.1	0.1
22	0.1	0.1	0.1	0.1	0.1
23	0.2	0.2	0.2	0.2	0.2
24	0.3	0.3	0.3	0.3	0.4

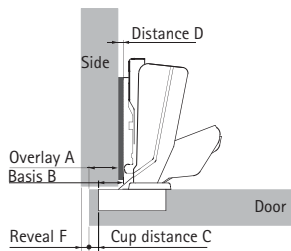
Protrusions / installation depth



No door protrusion T for distance D = 0 mm, unobstructed interior for pull-outs

Door-mounting option	H mm	T mm
Overlay	58.5	- 0.8
Half overlay	68.0	8.7

Overlay

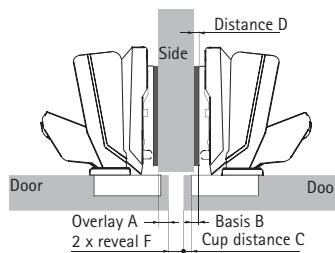


$$\text{Distance D} = \text{C} + \text{B} - \text{A}$$

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

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

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
Distance D mm					
- 2	8.0	9.0	9.5	10.0	11.0
- 1	7.0	8.0	8.5	9.0	10.0
0	6.0	7.0	7.5	8.0	9.0
1	5.0	6.0	6.5	7.0	8.0
2	4.0	5.0	5.5	6.0	7.0
3	3.0	4.0	4.5	5.0	6.0
4	2.0	3.0	3.5	4.0	5.0
5	1.0	2.0	2.5	3.0	4.0
6	0.0	1.0	1.5	2.0	3.0
7		0.0	0.5	1.0	2.0
8				0.0	1.0

▶ Advice

Mounting plates and accessories, see pages 48 - 51, 160 - 111
 Optional soft closure Silent System and Push to open system, see pages 112 - 113, 122 - 123
 For fitting information, mounting advice and quality criteria, see pages 160 - 168, 191

Fast-assembly concealed hinge

- ▶ Intermat 9936 for profile doors up to 32 mm thick
- ▶ Opening angle 95°



- ▶ Concealed hinge for snap-on attachment
- ▶ Quality grades to EN 15570, Level 2
- ▶ For door thickness 14 - 32 mm
- ▶ Cup diameter 35 mm
- ▶ Cup depth 11.1 mm (Fix 11.6 mm)
- ▶ Integrated overlay adjustment + 2.5 mm / - 2.5 mm
- ▶ Integrated depth adjustment 4 mm
- ▶ Height adjustment at mounting plate
- ▶ Material of hinge arm: Steel, nickel-plated
- ▶ Material of hinge cup: Steel, nickel-plated

Intermat 9936, opening angle 95°

Cup assembly	Drilling pattern	Overlay	Half overlay	Inset	PU
		Base B 12.5 mm (Cranking 0 mm)	Base B 3 mm (Cranking 9.5 mm)	Base B - 3.5 mm (Cranking 16 mm)	
Screw-on type TH 42		 0 073 913	 0 073 917	 0 073 921	1/50 ea.
Press-in type TH 43		0 073 914	0 073 918	0 073 922	1/50 ea.
Flash fast assembly TH 44		0 073 916	0 073 920	0 073 924	1/50 ea.
Fix fast assembly TH 45		0 077 672	0 077 675	0 077 678	1/50 ea.
Press-in type TB 43		0 073 915	0 073 919	0 073 923	1/50 ea.
Fix fast assembly TB 45		0 077 673	0 077 676	0 077 679	1/50 ea.

Fast-assembly concealed hinge

- ▶ Intermat 9936 for profile doors up to 32 mm thick
- ▶ Opening angle 95°

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	
14	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
15	0.3	0.2	0.2	0.2	0.2	0.2	0.2	
16	0.4	0.4	0.4	0.4	0.4	0.4	0.4	
17	0.5	0.5	0.5	0.5	0.5	0.5	0.5	
18	0.7	0.7	0.7	0.7	0.6	0.6	0.6	
19	0.9	0.9	0.9	0.8	0.8	0.8	0.8	
20	1.1	1.1	1.1	1.1	1.0	1.0	1.0	
21	1.4	1.3	1.3	1.3	1.3	1.2	1.2	
22	1.7	1.6	1.6	1.6	1.5	1.5	1.5	
23	2.0	1.9	1.9	1.9	1.8	1.8	1.7	
24	2.3	2.3	2.2	2.2	2.1	2.1	2.0	
25	2.8	2.7	2.6	2.6	2.5	2.4	2.4	
26	3.3	3.1	3.1	3.0	2.9	2.8	2.7	
27	4.2	3.7	3.6	3.5	3.3	3.2	3.1	
28	5.0	4.5	4.3	4.1	3.9	3.7	3.6	
29	5.9	5.4	5.2	4.9	4.6	4.3	4.1	
30	6.8	6.3	6.0	5.8	5.3	5.0	4.7	
31	7.8	7.2	6.9	6.6	6.1	5.7	5.4	
32	8.7	8.1	7.8	7.5	7.0	6.5	6.1	

Please note:

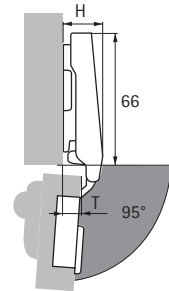
The values in the table refer to doors with an edge radius of 1 mm.

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 + 0.8 mm

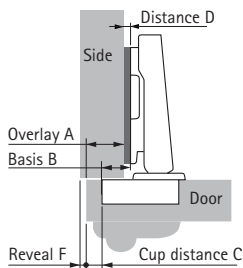
Protrusions / installation depth



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

Door-mounting option	H mm	T mm
Overlay	19.5	10.0
Half overlay	29.0	19.5
Inset	35.5	26.0

Overlay

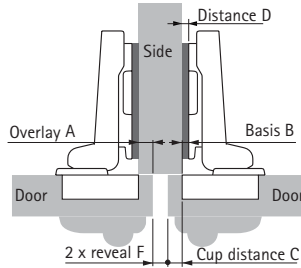


$$\text{Distance D} = \text{C} + \text{B} - \text{A}$$

= cup distance C + 12.5 mm - overlay A

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

Half overlay

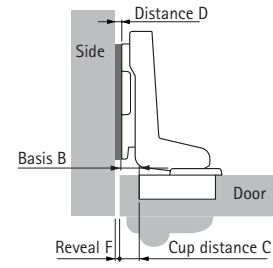


$$\text{Distance D} = \text{C} + \text{B} - \text{A}$$

= cup distance C + 3 mm - overlay A

Overlay mm	Cup distance C mm							
	3.0	4.0	4.5	5.0	6.0	7.0	8.0	
Distance D mm								
0	6.0	7.0	7.5	8.0	9.0	10.0	11.0	
1	5.0	6.0	6.5	7.0	8.0	9.0	10.0	
2	4.0	5.0	5.5	6.0	7.0	8.0	9.0	
3	3.0	4.0	4.5	5.0	6.0	7.0	8.0	
4	2.0	3.0	3.5	4.0	5.0	6.0	7.0	
5	1.0	2.0	2.5	3.0	4.0	5.0	6.0	
6	0.0	1.0	1.5	2.0	3.0	4.0	5.0	
7		0.0	0.5	1.0	2.0	3.0	4.0	
8				0.0	1.0	2.0	3.0	
9					0.0	1.0	2.0	
10						0.0	1.0	
11							0.0	

Inset



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

= cup distance C - 3.5 mm + reveal F

Door thickness mm	Cup distance C mm							
	3.0	4.0	4.5	5.0	6.0	7.0	8.0	
Distance D mm								
14	0.7	1.2	1.7	2.7	3.7	4.7		
15	0.7	1.2	1.7	2.7	3.7	4.7		
16	0.9	1.4	1.9	2.9	3.9	4.9		
17	0.0	1.0	1.5	2.0	3.0	4.0	5.0	
18	0.2	1.2	1.7	2.2	3.1	4.1	5.1	
19	0.4	1.4	1.9	2.3	3.3	4.3	5.3	
20	0.6	1.6	2.1	2.6	3.5	4.5	5.5	
21	0.9	1.8	2.3	2.8	3.8	4.7	5.7	
22	1.2	2.1	2.6	3.1	4.0	5.0	6.0	
23	1.5	2.4	2.9	3.4	4.3	5.3	6.2	
24	1.8	2.8	3.2	3.7	4.6	5.6	6.5	
25	2.3	3.2	3.6	4.1	5.0	5.9	6.9	
26	2.8	3.6	4.1	4.5	5.4	6.3	7.2	
27	3.7	4.2	4.6	5.0	5.8	6.7	7.6	
28	4.5	5.0	5.3	5.6	6.4	7.2	8.1	
29	5.4	5.9	6.2	6.4	7.1	7.8	8.6	
30	6.3	6.8	7.0	7.3	7.8	8.5	9.2	
31	7.3	7.7	7.9	8.1	8.6	9.2	9.9	
32	8.2	8.6	8.8	9.0	9.5	10.0	10.6	

Advice

Mounting plates and accessories, see pages 48 - 51, 160 - 111
 Optional soft closure Silent System and Push to open system, see pages 112 - 113, 122 - 123
 Mounting solutions, fitting information, assembly notes and quality criteria, see pages 160 - 168, 191

Fast-assembly concealed hinge

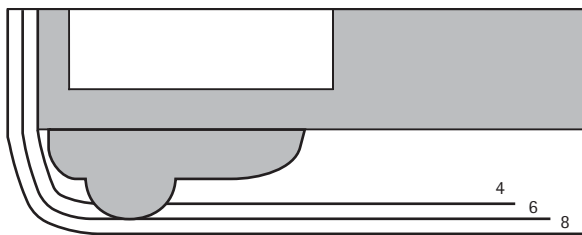
- ▶ Intermat 9936 for profile doors up to 32 mm thick
- ▶ Opening angle 95°

Door contours for minimum reveal application - scale 1:1

The values shown in the Minimum reveal table refer to non-rounded door edges.
 Reveal values improve if door edges are rounded.
 To obtain a hairline reveal, the chosen door contour must lie within the template. All contours protruding beyond the template will increase the reveal accordingly.

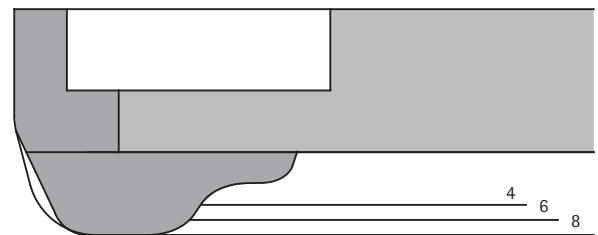


Example of hairline reveal



Example of hairline reveal

Door thickness	16 mm
Profile thickness	12 mm
Overall thickness	28 mm
Cup distance C	6 mm



Example of hairline reveal

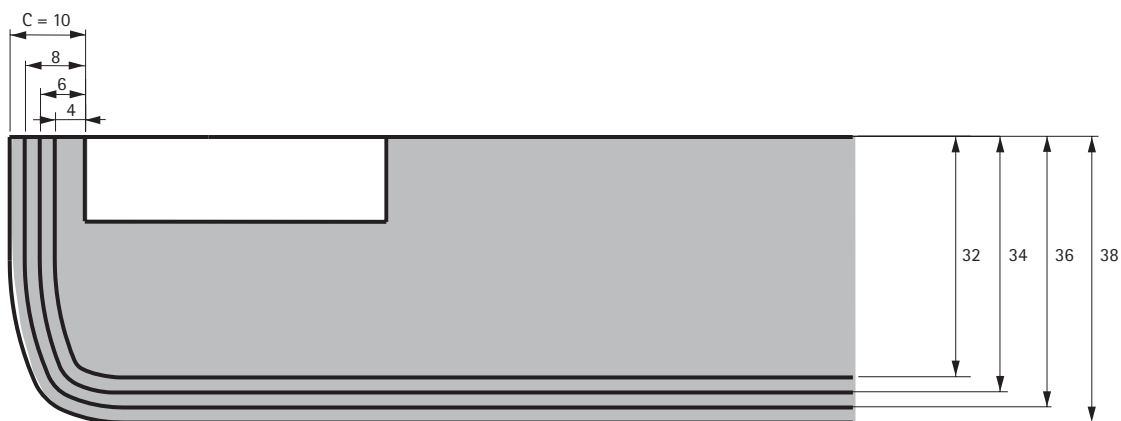
Door thickness	19 mm
Profile thickness	11 mm
Overall thickness	30 mm
Cup distance C	8 mm

Fast-assembly concealed hinge

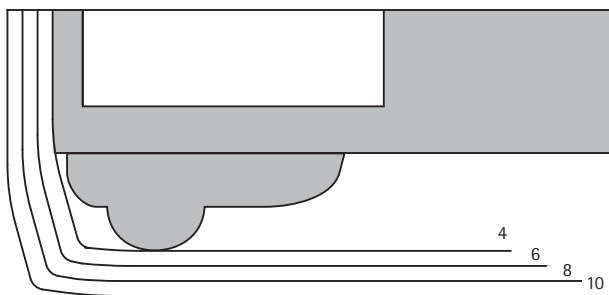
- ▶ Intermat 9935 for profile doors up to 43 mm thick
- ▶ Opening angle 95°

Door contours for minimum reveal application - scale 1:1

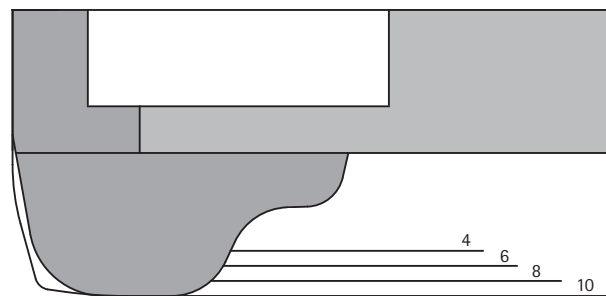
The values shown in the Minimum reveal table refer to non-rounded door edges.
 Reveal values improve if door edges are rounded.
 To obtain a hairline reveal, the chosen door contour must lie within the template. All contours protruding beyond the template will increase the reveal accordingly.



Example of hairline reveal



Example of hairline reveal	
Door thickness	19 mm
Profile thickness	13 mm
Overall thickness	32 mm
Cup distance C	4 mm



Example of hairline reveal	
Door thickness	19 mm
Profile thickness	19 mm
Overall thickness	38 mm
Cup distance C	10 mm


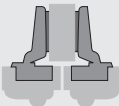

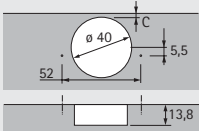
Fast-assembly concealed hinge

- ▶ Intermat 9935 for profile doors up to 43 mm thick
- ▶ Opening angle 95°



- ▶ Concealed hinge for snap-on attachment
- ▶ Quality grades to EN 15570, Level 2
- ▶ For door thickness 16 - 43 mm
- ▶ Cup diameter 40 mm
- ▶ Cup depth 13.7 mm
- ▶ Integrated overlay adjustment + 0.5 mm / - 3 mm
- ▶ Integrated depth adjustment 4 mm
- ▶ Height adjustment at mounting plate
- ▶ Material of hinge arm: Zinc die-cast nickel-plated
- ▶ Material of hinge cup: Zinc die-cast nickel-plated

Intermat 9935, opening angle 95°

		Overlay	Half overlay	Inset	
Cup assembly	Drilling pattern	 Base B 18 mm (Cranking - 5 mm)	 Base B 8 mm (Cranking 5 mm)	 Base B - 3 mm (Cranking 16 mm)	PU
Screw-on type TH 22		0 073 925	0 073 926	0 073 927	1/10 ea.

Fast-assembly concealed hinge

- ▶ **Intermat 9935 for profile doors up to 43 mm thick**
- ▶ **Opening angle 95°**

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	9.0	10.0	11.0
26	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8
27	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.0
28	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.2
29	1.5	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.4
30	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.6
31	2.0	2.0	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.8
32	2.3	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.0	2.0
33	3.1	2.5	2.5	2.5	2.4	2.4	2.3	2.3	2.3	2.2
34	4.1	3.4	3.0	2.7	2.7	2.7	2.6	2.6	2.5	2.5
35	5.0	4.3	4.0	3.7	3.0	3.0	2.9	2.9	2.8	2.8
36	6.0	5.3	4.9	4.6	4.0	3.4	3.2	3.2	3.1	3.1
37	7.0	6.2	5.9	5.5	4.9	4.3	3.7	3.5	3.4	3.4
38	7.9	7.2	6.8	6.5	5.8	5.2	4.6	4.1	3.8	3.7
39	8.9	8.1	7.8	7.4	6.7	6.1	5.5	5.0	4.5	4.1
40	9.9	9.1	8.7	8.4	7.7	7.0	6.4	5.8	5.3	4.8
41	10.9	10.1	9.7	9.3	8.6	8.0	7.3	6.7	6.2	5.7
42	11.9	11.1	10.7	10.3	9.6	8.9	8.3	7.7	7.1	6.6
43	12.8	12.0	11.7	11.3	10.5	9.8	9.2	8.6	8.0	7.4

Please note:

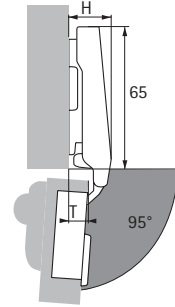
The values in the table refer to doors with an edge radius of 1 mm.

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 + 0.8 mm

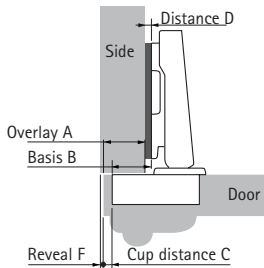
Protrusions / installation depth



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

Door-mounting option	H mm	T mm
Overlay	20.0	10.5
Half overlay	30.0	20.5
Inset	41.0	31.5

Overlay

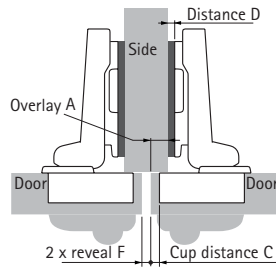


$$\text{Distance D} = \text{C} + \text{B} - \text{A}$$

$$= \text{cup distance C} + 18 \text{ mm} - \text{overlay A}$$

Overlay mm	Cup distance C mm									
	3.0	4.0	4.5	5.0	6.0	7.0	8.0	9.0	10.0	11.0
Distance D mm										
12	9.0	10.0	10.5	11.0	12.0	13.0	14.0	15.0	16.0	17.0
13	8.0	9.0	9.5	10.0	11.0	12.0	13.0	14.0	15.0	16.0
14	7.0	8.0	8.5	9.0	10.0	11.0	12.0	13.0	14.0	15.0
15	6.0	7.0	7.5	8.0	9.0	10.0	11.0	12.0	13.0	14.0
16	5.0	6.0	6.5	7.0	8.0	9.0	10.0	11.0	12.0	13.0
17	4.0	5.0	5.5	6.0	7.0	8.0	9.0	10.0	11.0	12.0
18	3.0	4.0	4.5	5.0	6.0	7.0	8.0	9.0	10.0	11.0
19	2.0	3.0	3.5	4.0	5.0	6.0	7.0	8.0	9.0	10.0
20	1.0	2.0	2.5	3.0	4.0	5.0	6.0	7.0	8.0	9.0
21	0.0	1.0	1.5	2.0	3.0	4.0	5.0	6.0	7.0	8.0
22		0.0	0.5	1.0	2.0	3.0	4.0	5.0	6.0	7.0
23				0.0	1.0	2.0	3.0	4.0	5.0	6.0
24					0.0	1.0	2.0	3.0	4.0	5.0
25						0.0	1.0	2.0	3.0	4.0
26							0.0	1.0	2.0	3.0
27								0.0	1.0	2.0
28									0.0	1.0
29										0.0

Half overlay

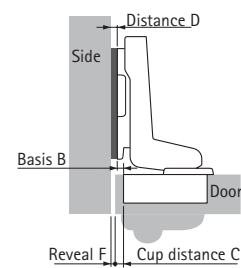


$$\text{Distance D} = \text{C} + \text{B} - \text{A}$$

$$= \text{cup distance C} + 8 \text{ mm} - \text{overlay A}$$

Overlay mm	Cup distance C mm									
	3.0	4.0	4.5	5.0	6.0	7.0	8.0	9.0	10.0	11.0
Distance D mm										
2	9.0	10.0	10.5	11.0	12.0	13.0	14.0	15.0	16.0	17.0
3	8.0	9.0	9.5	10.0	11.0	12.0	13.0	14.0	15.0	16.0
4	7.0	8.0	8.5	9.0	10.0	11.0	12.0	13.0	14.0	15.0
5	6.0	7.0	7.5	8.0	9.0	10.0	11.0	12.0	13.0	14.0
6	5.0	6.0	6.5	7.0	8.0	9.0	10.0	11.0	12.0	13.0
7	4.0	5.0	5.5	6.0	7.0	8.0	9.0	10.0	11.0	12.0
8	3.0	4.0	4.5	5.0	6.0	7.0	8.0	9.0	10.0	11.0
9	2.0	3.0	3.5	4.0	5.0	6.0	7.0	8.0	9.0	10.0
10	1.0	2.0	2.5	3.0	4.0	5.0	6.0	7.0	8.0	9.0
11	0.0	1.0	1.5	2.0	3.0	4.0	5.0	6.0	7.0	8.0
12		0.0	0.5	1.0	2.0	3.0	4.0	5.0	6.0	7.0
13				0.0	1.0	2.0	3.0	4.0	5.0	6.0
14					0.0	1.0	2.0	3.0	4.0	5.0
15						0.0	1.0	2.0	3.0	4.0
16							0.0	1.0	2.0	3.0
17								0.0	1.0	2.0
18									0.0	1.0
19										0.0

Inset



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

$$= \text{cup distance C} - 3 \text{ mm} + \text{reveal F}$$

Door thickness mm	Cup distance C mm									
	3.0	4.0	4.5	5.0	6.0	7.0	8.0	9.0	10.0	11.0
Distance D mm										
26	0.9	1.9	2.4	2.9	3.9	4.9	5.9	6.9	7.9	8.8
27	1.1	2.1	2.6	3.1	4.1	5.1	6.0	7.0	8.0	9.0
28	1.3	2.3	2.8	3.3	4.3	5.2	6.2	7.2	8.2	9.2
29	1.5	2.5	3.0	3.5	4.5	5.4	6.4	7.4	8.4	9.4
30	1.7	2.7	3.2	3.7	4.7	5.6	6.6	7.6	8.6	9.6
31	2.0	3.0	3.4	3.9	4.9	5.9	6.8	7.8	8.8	9.8
32	2.3	3.2	3.7	4.2	5.1	6.1	7.1	8.1	9.0	10.0
33	3.1	3.5	4.0	4.5	5.4	6.4	7.3	8.3	9.3	10.2
34	4.1	4.4	4.5	4.7	5.7	6.7	7.6	8.6	9.5	10.5
35	5.0	5.3	5.5	5.7	6.0	7.0	7.9	8.9	9.8	10.8
36	6.0	6.3	6.4	6.6	7.0	7.4	8.2	9.2	10.1	11.1
37	7.0	7.2	7.4	7.5	7.9	8.3	8.7	9.5	10.4	11.4
38	7.9	8.2	8.3	8.5	8.8	9.2	9.6	10.1	10.8	11.7
39	8.9	9.1	9.3	9.4	9.7	10.1	10.5	11.0	11.5	12.1
40	9.9	10.1	10.2	10.4	10.7	11.0	11.4	11.8	12.3	12.8
41	10.9	11.1	11.2	11.3	11.6	12.0	12.3	12.7	13.2	13.7
42	11.9	12.1	12.2	12.3	12.6	12.9	13.3	13.7	14.1	14.6
43	12.8	13.0	13.2	13.3	13.5	13.8	14.2	14.6	15.0	15.4

Advice

Mounting plates and accessories, see pages 48 - 51, 160 - 111
 Optional soft closure Silent System and Push to open system, see pages 112 - 113, 122 - 123
 For fitting information, mounting advice and quality criteria, see pages 160 - 168, 191



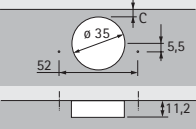
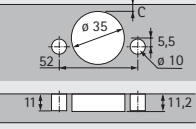
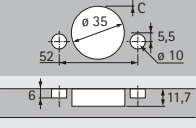
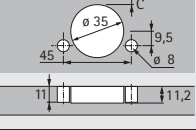
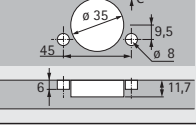
Fast-assembly concealed hinge

- ▶ **Intermat 9936 W20 for profile doors**
- ▶ **For face angle 20°, opening angle 95°**



- ▶ Concealed hinge for snap-on attachment
- ▶ Quality grades to EN 15570, Level 2
- ▶ For 20° face angle
- ▶ For door thickness 14 - 32 mm
- ▶ Cup diameter 35 mm
- ▶ Cup depth 11.1 mm (Fix 11.6 mm)
- ▶ Integrated overlay adjustment + 2 mm / - 2.5 mm
- ▶ Integrated depth adjustment 4 mm
- ▶ Height adjustment at mounting plate
- ▶ Material of hinge arm: Die-cast zinc nickel-plated
- ▶ Material of hinge cup: Steel, nickel-plated

Intermat 9936 W20, opening angle 95°

Cup assembly	Drilling pattern	Overlay	Inset	PU
		 Base B 7 mm (Cranking 7 mm)	 Base B - 9 mm (Cranking - 9 mm)	
Screw-on type TH 42		0 077 644	0 077 645	1/50 ea.
Press-in type TH 43		0 077 680	0 077 682	1/50 ea.
Fix fast assembly TH 45		0 077 685	0 077 688	1/50 ea.
Press-in type TB 43		0 077 681	0 077 683	1/50 ea.
Fix fast assembly TB 45		0 077 686	0 077 689	1/50 ea.

Fast-assembly concealed hinge

- ▶ Intermat 9936 W20 for profile doors
- ▶ For face angle 20°, opening angle 95°

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
14	0.2	0.2	0.2	0.2	0.2	0.2	0.2
15	0.3	0.2	0.2	0.2	0.2	0.2	0.2
16	0.4	0.4	0.4	0.4	0.4	0.4	0.4
17	0.5	0.5	0.5	0.5	0.5	0.5	0.5
18	0.7	0.7	0.7	0.7	0.6	0.6	0.6
19	0.9	0.9	0.9	0.8	0.8	0.8	0.8
20	1.1	1.1	1.1	1.1	1.0	1.0	1.0
21	1.4	1.3	1.3	1.3	1.3	1.2	1.2
22	1.7	1.6	1.6	1.6	1.5	1.5	1.5
23	2.0	1.9	1.9	1.9	1.8	1.8	1.7
24	2.3	2.3	2.2	2.2	2.1	2.1	2.0
25	2.8	2.7	2.6	2.6	2.5	2.4	2.4
26	3.3	3.1	3.1	3.0	2.9	2.8	2.7
27	4.2	3.7	3.6	3.5	3.3	3.2	3.1
28	5.0	4.5	4.3	4.1	3.9	3.7	3.6
29	5.9	5.4	5.2	4.9	4.6	4.3	4.1
30	6.8	6.3	6.0	5.8	5.3	5.0	4.7
31	7.8	7.2	6.9	6.6	6.1	5.7	5.4
32	8.7	8.1	7.8	7.5	7.0	6.5	6.1

Please 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 + 0.8 mm

Note

The drawings below show the hinges including mounting plate distances on a scale of 1:1. The door reveal can be measured directly from the individual distance lines by drawing in the required cup distance C (3 - 8 mm).

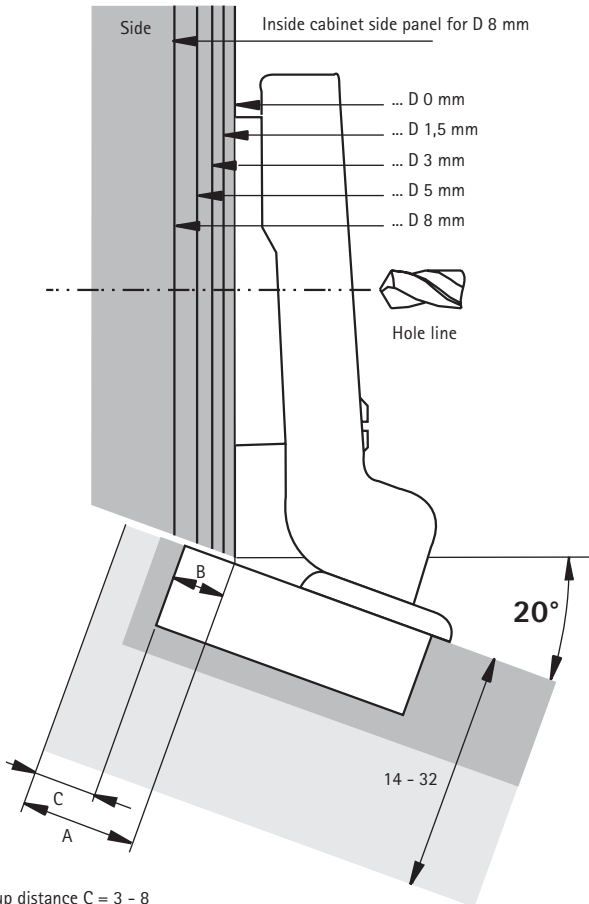
To determine the position for securing the mounting plate, measure along the selected distance line from the carcass front edge to the corresponding marking line for the line of holes.

Depending on door thickness and cup distance C, the required minimum reveal must be taken into account as shown in the table.

Overlay - Scale 1:1

$$\text{Distance D} = 0.94 \times (\text{C} + \text{B} - \text{A})$$

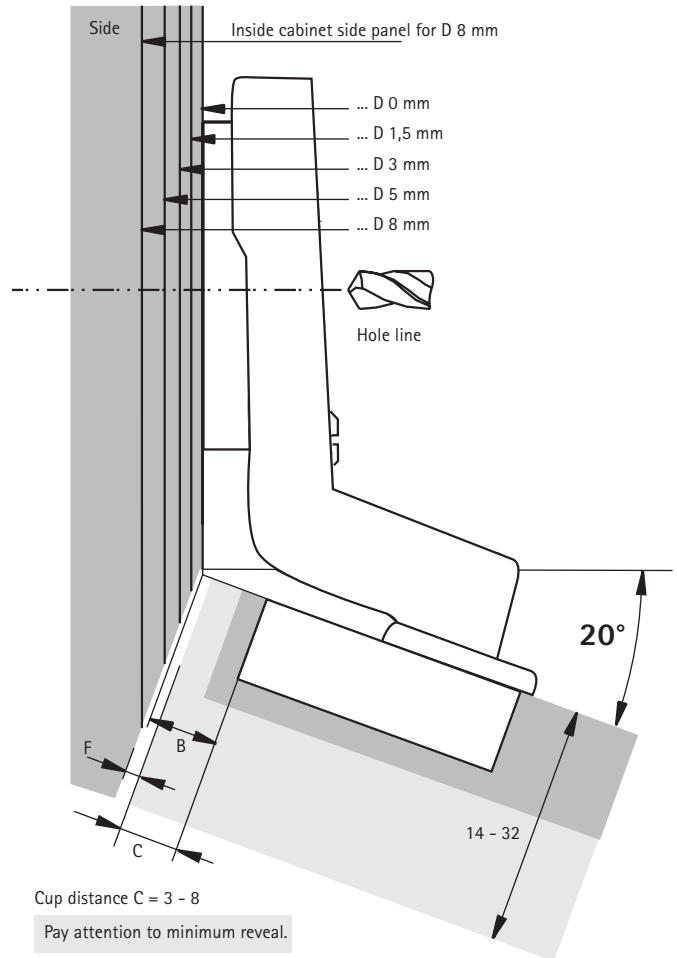
$$= 0.94 \times (\text{cup distance C} + 7 \text{ mm} - \text{overlay A})$$



Inset - Scale 1:1

$$\text{Distance D} = 0.94 \times (\text{C} + \text{B} + \text{F})$$

$$= 0.94 \times (\text{cup distance C} - 9 \text{ mm} + \text{reveal F})$$



Advice

Mounting plates and accessories, see pages 48 - 51, 160 - 111
 Optional soft closure Silent System and Push to open system, see pages 112 - 113, 122 - 123
 Mounting solutions, fitting information, assembly notes and quality criteria, see pages 160 - 168, 191



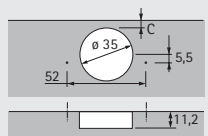
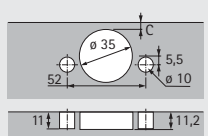
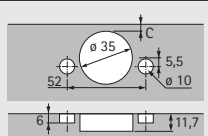
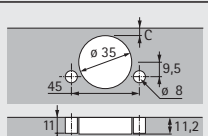
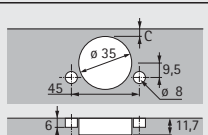
Fast-assembly concealed hinge

- ▶ Intermat 9936 W30 for profile doors
- ▶ For face angle 30°, opening angle 95°



- ▶ Concealed hinge for snap-on attachment
- ▶ Quality grades to EN 15570, Level 2
- ▶ For 30° face angle
- ▶ For door thickness 14 - 32 mm
- ▶ Cup diameter 35 mm
- ▶ Cup depth 11.1 mm (Fix 11.6 mm)
- ▶ Integrated overlay adjustment + 2 mm / - 2.5 mm
- ▶ Integrated depth adjustment 4 mm
- ▶ Height adjustment at mounting plate
- ▶ Material of hinge arm: Die-cast zinc nickel-plated
- ▶ Material of hinge cup: Steel, nickel-plated

Intermat 9936 W30, opening angle 95°

Cup assembly	Drilling pattern	Overlay	Inset	PU
		 Base B 7 mm (Cranking 7 mm)	 Base B - 10 mm (Cranking - 10 mm)	
Screw-on type TH 42		0 077 690	0 073 928	1/50 ea.
Press-in type TH 43		0 077 691	0 073 929	1/50 ea.
Fix fast assembly TH 45		0 077 694	0 077 697	1/50 ea.
Press-in type TB 43		0 077 692	0 073 930	1/50 ea.
Fix fast assembly TB 45		0 077 695	0 077 698	1/50 ea.

Fast-assembly concealed hinge

- ▶ Intermat 9936 W30 for profile doors
- ▶ For face angle 30°, opening angle 95°

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
14	0.2	0.2	0.2	0.2	0.2	0.2	0.2
15	0.3	0.2	0.2	0.2	0.2	0.2	0.2
16	0.4	0.4	0.4	0.4	0.4	0.4	0.4
17	0.5	0.5	0.5	0.5	0.5	0.5	0.5
18	0.7	0.7	0.7	0.7	0.6	0.6	0.6
19	0.9	0.9	0.9	0.8	0.8	0.8	0.8
20	1.1	1.1	1.1	1.1	1.0	1.0	1.0
21	1.4	1.3	1.3	1.3	1.3	1.2	1.2
22	1.7	1.6	1.6	1.6	1.5	1.5	1.5
23	2.0	1.9	1.9	1.9	1.8	1.8	1.7
24	2.3	2.3	2.2	2.2	2.1	2.1	2.0
25	2.8	2.7	2.6	2.6	2.5	2.4	2.4
26	3.3	3.1	3.1	3.0	2.9	2.8	2.7
27	4.2	3.7	3.6	3.5	3.3	3.2	3.1
28	5.0	4.5	4.3	4.1	3.9	3.7	3.6
29	5.9	5.4	5.2	4.9	4.6	4.3	4.1
30	6.8	6.3	6.0	5.8	5.3	5.0	4.7
31	7.8	7.2	6.9	6.6	6.1	5.7	5.4
32	8.7	8.1	7.8	7.5	7.0	6.5	6.1

Please 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 + 0.8 mm

Note

The drawings below show the hinges including mounting plate distances on a scale of 1:1. The door reveal can be measured directly from the individual distance lines by drawing in the required cup distance C (3 - 8 mm).

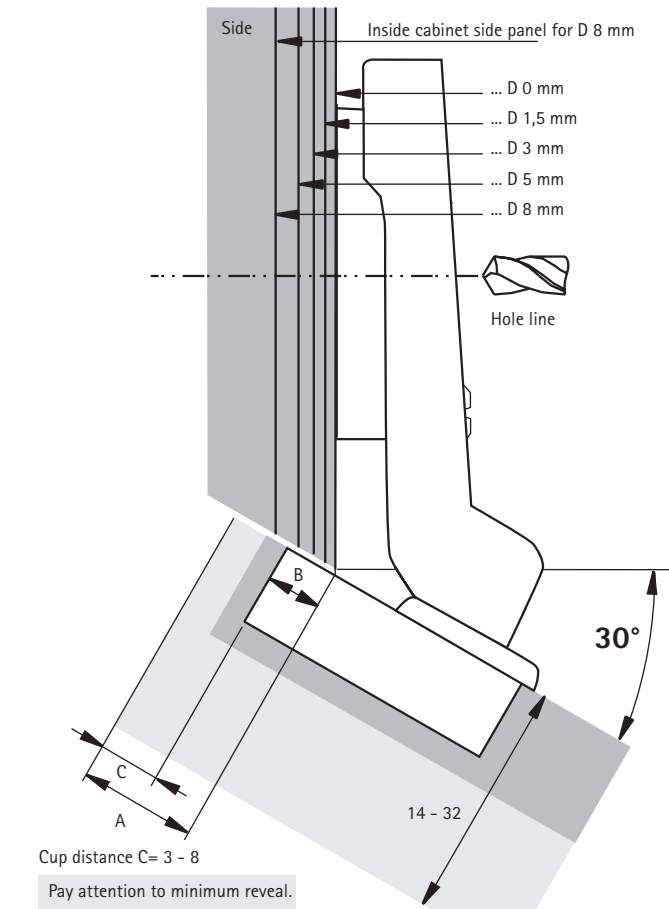
To determine the position for securing the mounting plate, measure along the selected distance line from the carcass front edge to the corresponding marking line for the line of holes.

Depending on door thickness and cup distance C, the required minimum reveal must be taken into account as shown in the table.

Overlay - Scale 1:1

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

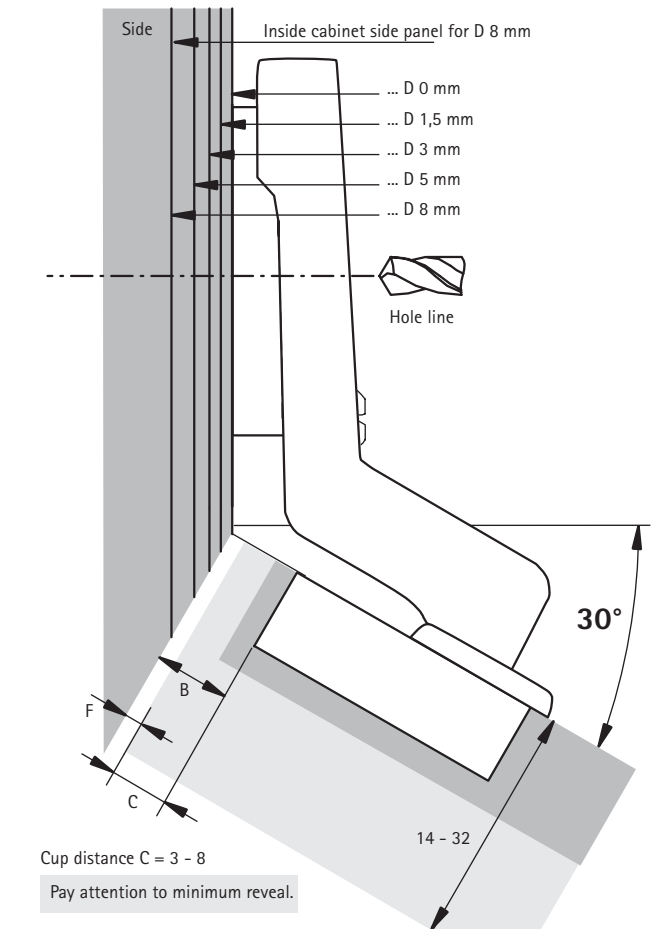
$$= 0.87 \times (\text{cup distance C} + 7 \text{ mm} - \text{overlay A})$$



Inset - Scale 1:1

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

$$= 0.87 \times (\text{cup distance C} - 10 \text{ mm} + \text{reveal F})$$



Advice

Mounting plates and accessories, see pages 48 - 51, 160 - 111
 Optional soft closure Silent System and Push to open system, see pages 112 - 113, 122 - 123
 Mounting solutions, fitting information, assembly notes and quality criteria, see pages 160 - 168, 191




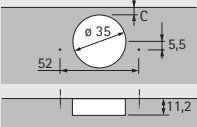
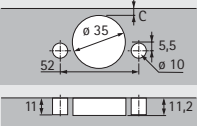
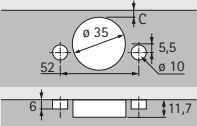
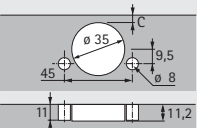
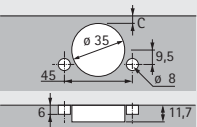
Fast-assembly concealed hinge

- ▶ **Intermat 9936 W45 for profile doors**
- ▶ **For face angle 45°, opening angle 95°**



- ▶ Concealed hinge for snap-on attachment
- ▶ Quality grades to EN 15570, Level 2
- ▶ For 45° face angle
- ▶ For door thickness 14 - 32 mm
- ▶ Cup diameter 35 mm
- ▶ Cup depth 11.1 mm (Fix 11.6 mm)
- ▶ Integrated overlay adjustment + 2 mm / - 2.5 mm
- ▶ Integrated depth adjustment 4 mm
- ▶ Height adjustment at mounting plate
- ▶ Material of hinge arm: Die-cast zinc nickel-plated
- ▶ Material of hinge cup: Steel, nickel-plated

Intermat 9936 W45, opening angle 95°

Cup assembly	Drilling pattern	Overlay		Inset	PU
					
		Base B 6 mm (Cranking 6 mm)	Base B 0 mm (Cranking 0 mm)	Base B - 17 mm (Cranking - 17 mm)	
Screw-on type TH 42		0 077 699	0 048 096	0 073 932	1/50 ea.
Press-in type TH 43		0 077 700	0 048 097	0 073 933	1/50 ea.
Fix fast assembly TH 45		0 077 703	0 048 103	0 077 706	1/50 ea.
Press-in type TB 43		0 077 701	0 048 098	0 073 934	1/50 ea.
Fix fast assembly TB 45		0 077 704	0 048 104	0 077 707	1/50 ea.

Fast-assembly concealed hinge

- ▶ Intermat 9936 W45 for profile doors
- ▶ For face angle 45°, opening angle 95°

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
14	0.2	0.2	0.2	0.2	0.2	0.2	0.2
15	0.3	0.2	0.2	0.2	0.2	0.2	0.2
16	0.4	0.4	0.4	0.4	0.4	0.4	0.4
17	0.5	0.5	0.5	0.5	0.5	0.5	0.5
18	0.7	0.7	0.7	0.7	0.6	0.6	0.6
19	0.9	0.9	0.9	0.8	0.8	0.8	0.8
20	1.1	1.1	1.1	1.1	1.0	1.0	1.0
21	1.4	1.3	1.3	1.3	1.3	1.2	1.2
22	1.7	1.6	1.6	1.6	1.5	1.5	1.5
23	2.0	1.9	1.9	1.9	1.8	1.8	1.7
24	2.3	2.3	2.2	2.2	2.1	2.1	2.0
25	2.8	2.7	2.6	2.6	2.5	2.4	2.4
26	3.3	3.1	3.1	3.0	2.9	2.8	2.7
27	4.2	3.7	3.6	3.5	3.3	3.2	3.1
28	5.0	4.5	4.3	4.1	3.9	3.7	3.6
29	5.9	5.4	5.2	4.9	4.6	4.3	4.1
30	6.8	6.3	6.0	5.8	5.3	5.0	4.7
31	7.8	7.2	6.9	6.6	6.1	5.7	5.4
32	8.7	8.1	7.8	7.5	7.0	6.5	6.1

Please 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 + 0.8 mm

Note

The drawings below show the hinges including mounting plate distances on a scale of 1:1. The door reveal can be measured directly from the individual distance lines by drawing in the required cup distance C (3 - 8 mm).

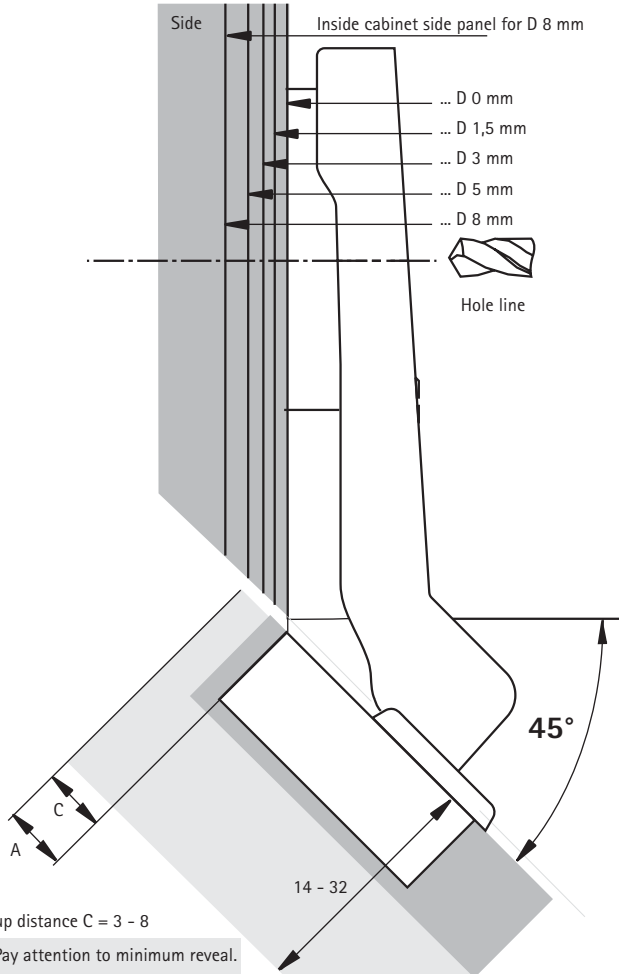
To determine the position for securing the mounting plate, measure along the selected distance line from the carcass front edge to the corresponding marking line for the line of holes.

Depending on door thickness and cup distance C, the required minimum reveal must be taken into account as shown in the table.

Overlay - Scale 1:1

$$\text{Distance D} = 0.71 \times (\text{C} + \text{B} - \text{A})$$

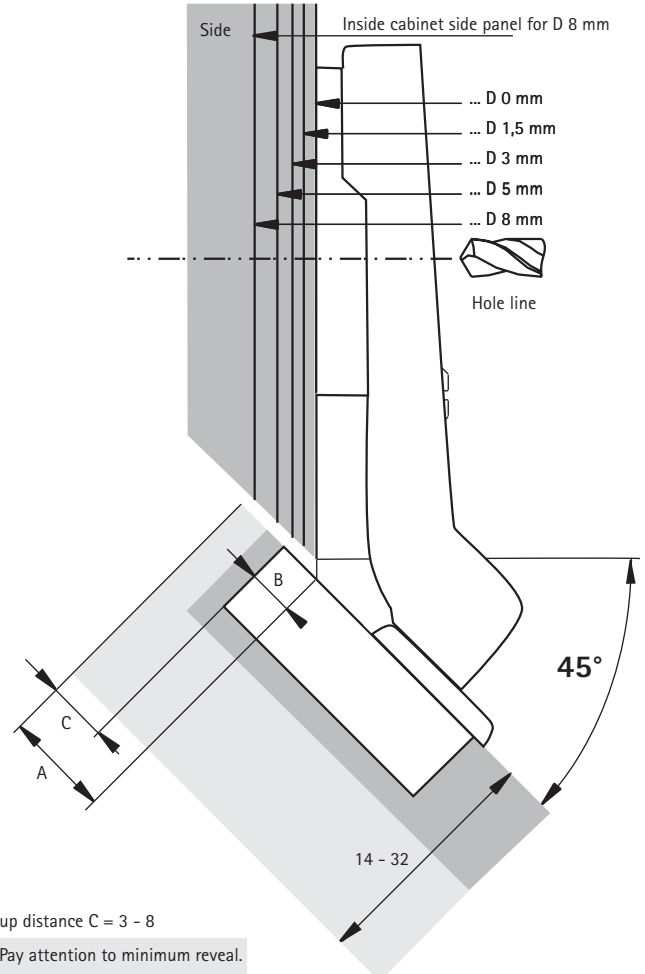
$$= 0.71 \times (\text{cup distance C} + 0 \text{ mm} - \text{overlay A})$$



Overlay - Scale 1:1

$$\text{Distance D} = 0.71 \times (\text{C} + \text{B} - \text{A})$$

$$= 0.71 \times (\text{cup distance C} + 6 \text{ mm} - \text{overlay A})$$



Advice

Mounting plates and accessories, see pages 48 - 51, 160 - 111
 Optional soft closure Silent System and Push to open system, see pages 112 - 113, 122 - 123
 Mounting solutions, fitting information, assembly notes and quality criteria, see pages 160 - 168, 191

Fast-assembly concealed hinge

- ▶ **Intermat 9936 W45 for profile doors**
- ▶ **For face angle 45°, opening angle 95**

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
14	0.2	0.2	0.2	0.2	0.2	0.2	0.2
15	0.3	0.2	0.2	0.2	0.2	0.2	0.2
16	0.4	0.4	0.4	0.4	0.4	0.4	0.4
17	0.5	0.5	0.5	0.5	0.5	0.5	0.5
18	0.7	0.7	0.7	0.7	0.6	0.6	0.6
19	0.9	0.9	0.9	0.8	0.8	0.8	0.8
20	1.1	1.1	1.1	1.1	1.0	1.0	1.0
21	1.4	1.3	1.3	1.3	1.3	1.2	1.2
22	1.7	1.6	1.6	1.6	1.5	1.5	1.5
23	2.0	1.9	1.9	1.9	1.8	1.8	1.7
24	2.3	2.3	2.2	2.2	2.1	2.1	2.0
25	2.8	2.7	2.6	2.6	2.5	2.4	2.4
26	3.3	3.1	3.1	3.0	2.9	2.8	2.7
27	4.2	3.7	3.6	3.5	3.3	3.2	3.1
28	5.0	4.5	4.3	4.1	3.9	3.7	3.6
29	5.9	5.4	5.2	4.9	4.6	4.3	4.1
30	6.8	6.3	6.0	5.8	5.3	5.0	4.7
31	7.8	7.2	6.9	6.6	6.1	5.7	5.4
32	8.7	8.1	7.8	7.5	7.0	6.5	6.1

Please 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 + 0.8 mm

Note

The drawings below show the hinges including mounting plate distances on a scale of 1:1. The door reveal can be measured directly from the individual distance lines by drawing in the required cup distance C (3 - 8 mm).

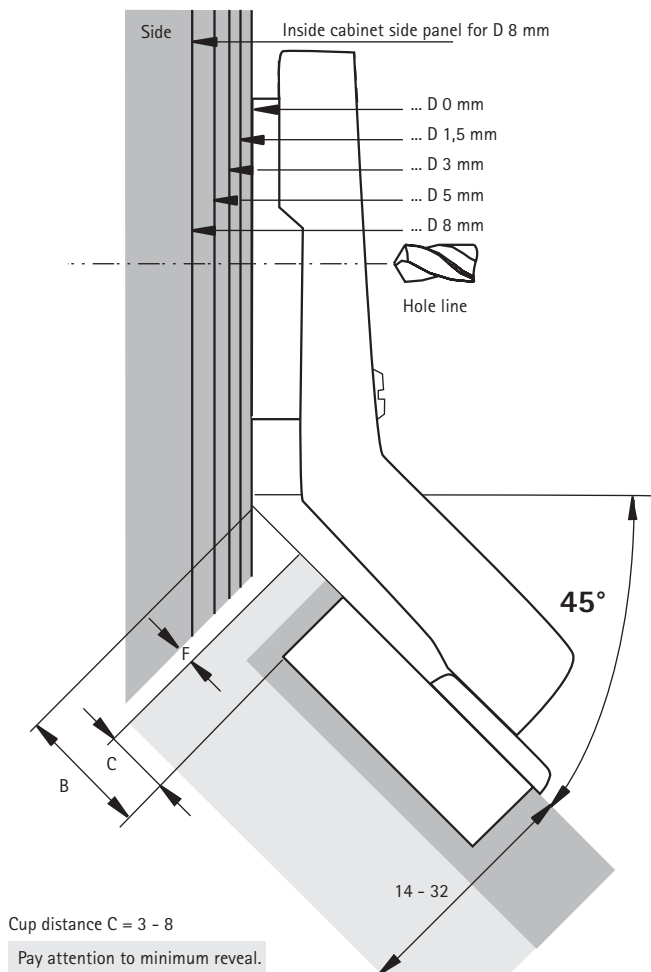
To determine the position for securing the mounting plate, measure along the selected distance line from the carcass front edge to the corresponding marking line for the line of holes.

Depending on door thickness and cup distance C, the required minimum reveal must be taken into account as shown in the table.

Inset - Scale 1:1

$$\text{Distance D} = 0.71 \times (\text{C} + \text{B} + \text{F})$$

$$= 0.71 \times (\text{cup distance C} - 17 \text{ mm} + \text{reveal F})$$



▶ Advice

Mounting plates and accessories, see pages 48 - 51, 160 - 111

Optional soft closure Silent System and Push to open system, see pages 112 - 113, 122 - 123

Mounting solutions, fitting information, assembly notes and quality criteria, see pages 160 - 168, 191


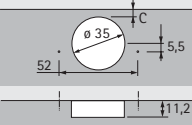
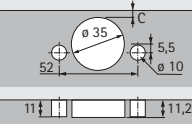
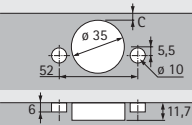
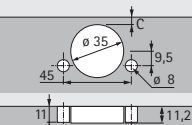
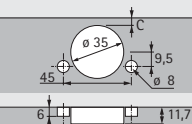
Fast-assembly concealed hinge

- ▶ **Intermat 9936 W90 for profile doors**
- ▶ **For face angle 90°, opening angle 95°**



- ▶ Concealed hinge for snap-on attachment
- ▶ Quality grades to EN 15570, Level 2
- ▶ For 90° face angle
- ▶ For door thickness 14 - 28 mm
- ▶ Cup diameter 35 mm
- ▶ Cup depth 11.1 mm (Fix 11.6 mm)
- ▶ Integrated adjustment of door offset + 2 mm / - 2.5 mm
- ▶ Integrated reveal adjustment 4 mm
- ▶ Height adjustment at mounting plate
- ▶ Material of hinge arm: Die-cast zinc nickel-plated
- ▶ Material of hinge cup: Steel, nickel-plated

Intermat 9936 W90, opening angle 95°

Cup assembly	Drilling pattern	Inset  Base B 5 mm (Cranking 5 mm)	PU
Screw-on type TH 42		0 077 708	1/50 ea.
Press-in type TH 43		0 077 709	1/50 ea.
Fix fast assembly TH 45		0 077 712	1/50 ea.
Press-in type TB 43		0 077 710	1/50 ea.
Fix fast assembly TB 45		0 077 713	1/50 ea.

Fast-assembly concealed hinge

- ▶ Intermat 9936 W90 for profile doors
- ▶ For face angle 90°, opening angle 95°

Minimum reveal per door

Door thick-ness mm	Cup distance C mm					
	3.0	4.0	4.5	5.0	6.0	7.0
14	0.2	0.2	0.2	0.2	0.2	0.2
15	0.3	0.2	0.2	0.2	0.2	0.2
16	0.4	0.4	0.4	0.4	0.4	0.4
17	0.5	0.5	0.5	0.5	0.5	0.5
18	0.7	0.7	0.7	0.7	0.6	0.6
19	0.9	0.9	0.9	0.8	0.8	0.8
20	1.1	1.1	1.1	1.1	1.0	1.0
21	1.4	1.3	1.3	1.3	1.3	
22	1.7	1.6	1.6	1.6	1.5	
23	2.0	1.9	1.9	1.9	1.8	
24	2.3	2.3	2.2	2.2	2.1	
25	2.8	2.7	2.6	2.6		
26	3.3	3.1	3.1			
27	4.2	3.7	3.6			
28	5.0					

Please 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 + 0.8 mm

Note

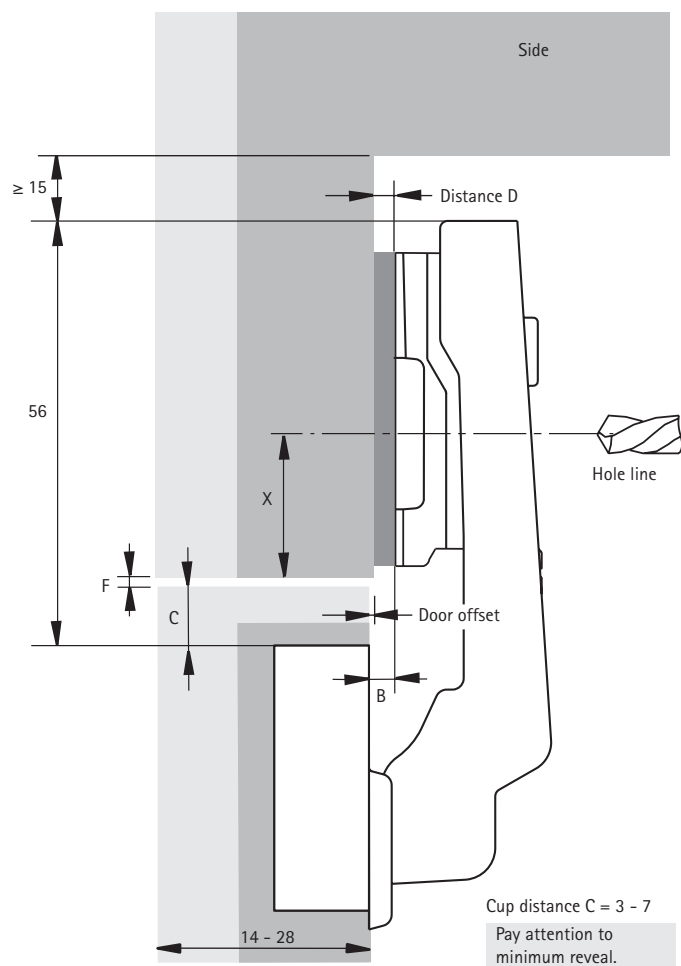
Calculation of the required mounting-plate distance D and hole-line distance X to be observed:
The measurements must be taken from the drawing or table below in accordance with the required door offset, cup distance C (3 - 7 mm) and reveal F.
The values stated for the hole-line distance X apply when using a cross mounting plate.

Distance D = 5 mm must be selected for door offset 0 mm

Hole-line distance X
= 28 mm - Cup distance C - Reveal F

Inset - Scale 1:1

Distance D = 5 mm - door offset



Reveal mm	Determination of hole-line distance X mm					
	Cup distance C mm					
	3.0	4.0	4.5	5.0	6.0	7.0
0.5	24.5	23.5	23.0	22.0	21.5	20.5
1.0	24.0	23.0	22.5	21.5	21.0	20.0
1.5	23.5	22.5	22.0	21.0	20.5	
2.0	23.0	22.0	21.5	20.5	20.0	
2.5	22.5	21.5	21.0	20.0		
3.0	22.0	21.0	20.5			
3.5	21.5	20.5	20.0			
4.0	21.0	20.0				
4.5	20.5					
5.0	20.0					

Advice

Mounting plates and accessories, see pages 48 - 51, 160 - 111
 Optional soft closure Silent System and Push to open system, see pages 112 - 113, 122 - 123
 Mounting solutions, fitting information, assembly notes and quality criteria, see pages 160 - 168, 191


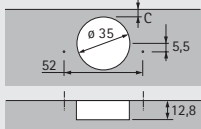
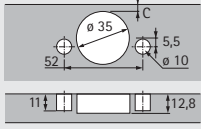
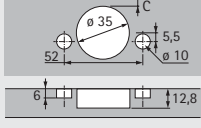
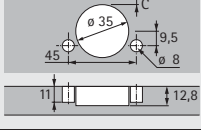
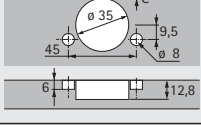
Fast-assembly concealed hinge

- ▶ **Intermat 9944 W-30**
- ▶ **For face angle -30°, opening angle 125°**



- ▶ Concealed hinge for snap-on attachment
- ▶ Quality grades to EN 15570, Level 2
- ▶ For -30° face angle
- ▶ For door thickness 15 - 28 mm
- ▶ Cup diameter 35 mm
- ▶ Cup depth 12.7 mm
- ▶ Integrated overlay adjustment + 1 mm / - 2.5 mm
- ▶ Integrated depth adjustment 4 mm
- ▶ Height adjustment at mounting plate
- ▶ Material of hinge arm: Die-cast zinc nickel-plated
- ▶ Material of hinge cup: Steel, nickel-plated

Intermat 9944 W-30, opening angle 125°

Cup assembly	Drilling pattern	Overlay  Base B 12 mm (Cranking 12 mm)	PU
Screw-on type TH 42		0 073 936	1/50 ea.
Press-in type TH 43		0 073 937	1/50 ea.
Fix fast assembly TH 45		0 077 718	1/50 ea.
Press-in type TB 43		0 073 938	1/50 ea.
Fix fast assembly TB 45		0 077 719	1/50 ea.

Fast-assembly concealed hinge

- ▶ **Intermat 9944 W-30**
- ▶ **For face angle -30°, opening angle 125°**

Minimum reveal per door

Door thickness mm	Cup distance C mm				
	3.0	4.0	4.5	5.0	5.5
15	0.6	0.6	0.6	0.6	0.6
16	0.9	0.8	0.8	0.8	0.8
17	1.1	1.1	1.1	1.0	1.0
18	1.4	1.4	1.3	1.3	1.3
19	1.8	1.7	1.7	1.6	1.6
20	2.1	2.1	2.0	2.0	1.9
21	2.6	2.5	2.4	2.4	2.3
22	3.2	3.0	2.9	2.8	2.8
23	3.8	3.6	3.5	3.4	3.3
24	4.6	4.2	4.1	4.0	3.9
25	5.4	5.0	4.8	4.6	4.5
26	6.3	5.8	5.6	5.4	5.2
27	7.1	6.6	6.4	6.2	6.0
28	8.0	7.5	7.2	7.0	6.8

Please 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 + 0.8 mm

Note

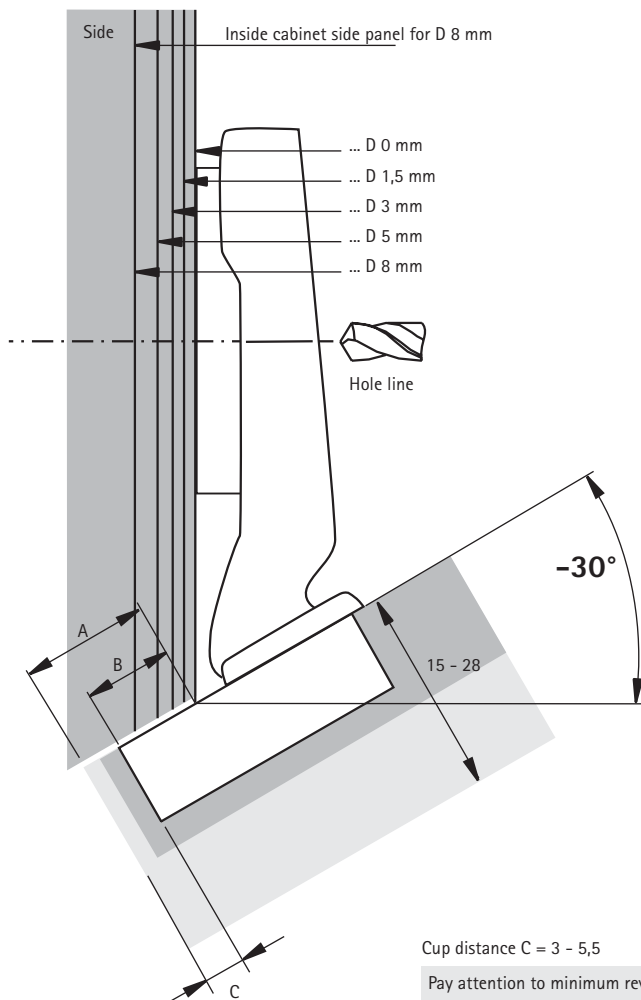
The drawing below shows the hinge including mounting plate distances on a scale of 1:1. The door reveal can be measured directly from the individual distance lines by drawing in the required cup distance C (3 - 5.5 mm).

To determine the position for securing the mounting plate, measure along the selected distance line from the carcass front edge to the corresponding marking line for the line of holes.

Overlay - Scale 1:1

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

$$= 0.87 \times (\text{cup distance C} + 12 \text{ mm} - \text{overlay A})$$



▶ Advice

Mounting plates and accessories, see pages 48 - 51, 160 - 111
 Optional soft closure Silent System and Push to open system, see pages 112 - 113, 122 - 123
 Mounting solutions, fitting information, assembly notes and quality criteria, see pages 160 - 168, 191


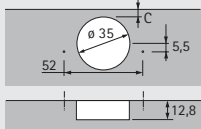
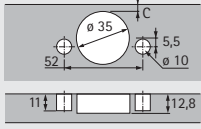
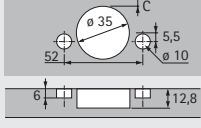
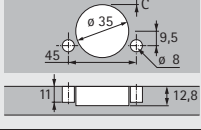
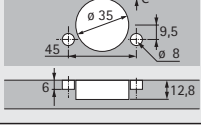
Fast-assembly concealed hinge

- ▶ **Intermat 9944 W-45**
- ▶ **For face angle -45°, opening angle 125°**



- ▶ Concealed hinge for snap-on attachment
- ▶ Quality grades to EN 15570, Level 2
- ▶ For -45° face angle
- ▶ For door thickness 15 - 28 mm
- ▶ Cup diameter 35 mm
- ▶ Cup depth 12.7 mm
- ▶ Integrated overlay adjustment + 1 mm / - 2.5 mm
- ▶ Integrated depth adjustment 4 mm
- ▶ Height adjustment at mounting plate
- ▶ Material of hinge arm: Die-cast zinc nickel-plated
- ▶ Material of hinge cup: Steel, nickel-plated

Intermat 9944 W-45, opening angle 125°

Cup assembly	Drilling pattern	Overlay 	Base B 10 mm (Cranking 10 mm)	PU
Screw-on type TH 42			0 077 643	1/50 ea.
Press-in type TH 43			0 077 720	1/50 ea.
Fix fast assembly TH 45			0 077 723	1/50 ea.
Press-in type TB 43			0 077 721	1/50 ea.
Fix fast assembly TB 45			0 077 724	1/50 ea.

Fast-assembly concealed hinge

- ▶ **Intermat 9944 W-45**
- ▶ **For face angle -45°, opening angle 125°**

Minimum reveal per door

Door thickness mm	Cup distance C mm				
	3.0	4.0	4.5	5.0	5.5
15	0.6	0.6	0.6	0.6	0.6
16	0.9	0.8	0.8	0.8	0.8
17	1.1	1.1	1.1	1.0	1.0
18	1.4	1.4	1.3	1.3	1.3
19	1.8	1.7	1.7	1.6	1.6
20	2.1	2.1	2.0	2.0	1.9
21	2.6	2.5	2.4	2.4	2.3
22	3.2	3.0	2.9	2.8	2.8
23	3.8	3.6	3.5	3.4	3.3
24	4.6	4.2	4.1	4.0	3.9
25	5.4	5.0	4.8	4.6	4.5
26	6.3	5.8	5.6	5.4	5.2
27	7.1	6.6	6.4	6.2	6.0
28	8.0	7.5	7.2	7.0	6.8

Please 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 + 0.8 mm

Note

The drawing below shows the hinge including mounting plate distances on a scale of 1:1. The door reveal can be measured directly from the individual distance lines by drawing in the required cup distance C (3 - 5.5 mm).

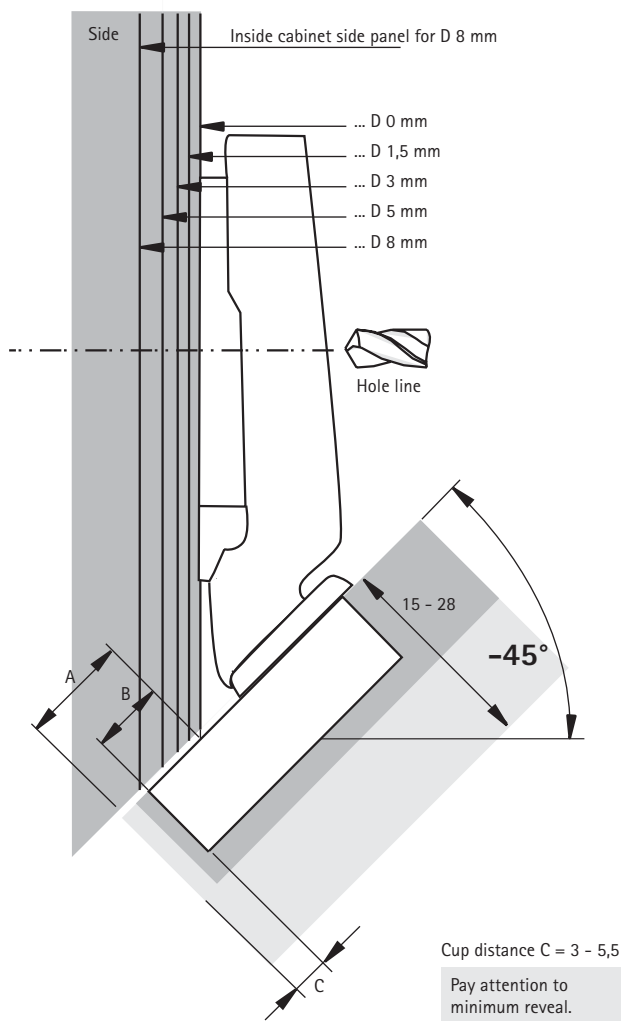
To determine the position for securing the mounting plate, measure along the selected distance line from the carcass front edge to the corresponding marking line for the line of holes.

Depending on door thickness and cup distance C, the required minimum reveal must be taken into account as shown in the table.

Overlay - Scale 1:1

$$\text{Distanz D} = 0,71 \times (C + B - A)$$

$$= 0.71 \times (\text{cup distance C} + 10 \text{ mm} - \text{overlay A})$$



▶ Advice

Mounting plates and accessories, see pages 48 - 51, 160 - 111
 Optional soft closure Silent System and Push to open system, see pages 112 - 113, 122 - 123
 Mounting solutions, fitting information, assembly notes and quality criteria, see pages 160 - 168, 191

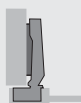
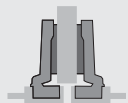

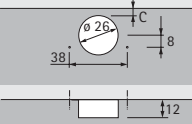
Fast-assembly concealed hinge

- ▶ **Intermat 9924 for wood framed doors**
- ▶ **Opening angle 95°**



- ▶ Concealed hinge for snap-on attachment
- ▶ Quality grades to EN 15570, Level 2
- ▶ For door thickness 15 - 25 mm
- ▶ Cup diameter 26 mm
- ▶ Cup depth 11.9 mm
- ▶ Integrated overlay adjustment + 1 mm / - 2.5 mm
- ▶ Integrated depth adjustment 4 mm
- ▶ Height adjustment at mounting plate
- ▶ Material of hinge arm: Die-cast zinc nickel-plated
- ▶ Material of hinge cup: Steel, nickel-plated

Intermat 9924, opening angle 95°

		Overlay	Half overlay	Inset	
Cup assembly	Drilling pattern	 Base B 11 mm (Cranking 1 mm)	 Base B 2.5 mm (Cranking 9.5 mm)	 Base B - 4 mm (Cranking 16 mm)	PU
Screw-on type TH 42		0 072 959	0 072 965	0 072 966	1/50 ea.

Fast-assembly concealed hinge

- ▶ **Intermat 9924 for wood framed doors**
- ▶ **Opening angle 95°**

Minimum reveal per door

Door thickness mm	Cup distance C mm				
	3.0	4.0	4.5	5.0	5.5
15	0.4	0.4	0.4	0.4	0.4
16	0.6	0.6	0.6	0.6	0.6
17	0.9	0.9	0.9	0.8	0.8
18	1.6	1.2	1.2	1.1	1.1
19	2.4	2.0	1.8	1.6	1.5
20	3.3	2.7	2.5	2.3	2.1
21	4.2	3.6	3.4	3.2	3.0
22	5.1	4.5	4.2	4.0	3.8
23	6.0	5.4	5.1	4.9	4.6
24	7.0	6.3	6.0	5.8	5.5
25	7.9	7.2	6.9	6.6	6.4

Please note:

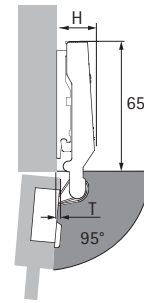
The values in the table refer to doors with an edge radius of 1 mm.

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 + 0.8 mm

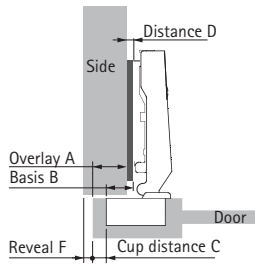
Protrusions / installation depth



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

Door-mounting option	H mm	T mm
Overlay	19.0	4.2
Half overlay	23.0	12.7
Inset	29.5	19.2

Overlay

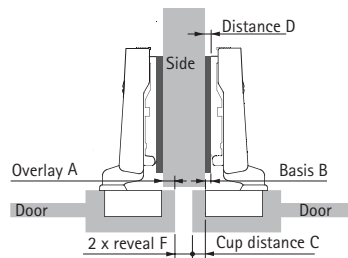


$$\text{Distance D} = \text{C} + \text{B} - \text{A}$$

$$= \text{cup distance C} + 11 \text{ mm} - \text{overlay A}$$

Overlay mm	Cup distance C mm				
	3.0	4.0	4.5	5.0	5.5
Distance D mm					
8	6.0	7.0	7.5	8.0	8.5
9	5.0	6.0	6.5	7.0	7.5
10	4.0	5.0	5.5	6.0	6.5
11	3.0	4.0	4.5	5.0	5.5
12	2.0	3.0	3.5	4.0	4.5
13	1.0	2.0	2.5	3.0	3.5
14	0.0	1.0	1.5	2.0	2.5
15		0.0	0.5	1.0	1.5
16				0.0	0.5
16.5					0.0

Half overlay

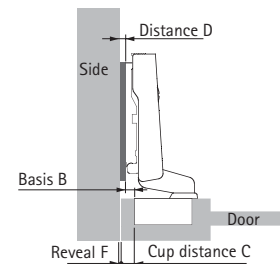


$$\text{Distance D} = \text{C} + \text{B} - \text{A}$$

$$= \text{cup distance C} + 2.5 \text{ mm} - \text{overlay A}$$

Overlay mm	Cup distance C mm				
	3.0	4.0	4.5	5.0	5.5
Distance D mm					
0	5.5	6.5	7.0	7.5	8.0
1	4.5	5.5	6.0	6.5	7.0
2	3.5	4.5	5.0	5.5	6.0
3	2.5	3.5	4.0	4.5	5.0
4	1.5	2.5	3.0	3.5	4.0
5	0.5	1.5	2.0	2.5	3.0
6		0.5	1.0	1.5	2.0
7			0.0	0.5	1.0
7.5				0.0	0.5
8					0.0

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	5.5
Distance D mm					
15	0.4	0.9	1.4	1.9	
16	0.6	1.1	1.6	2.1	
17	0.9	1.4	1.8	2.3	
18	0.6	1.2	1.7	2.1	2.6
19	1.4	2.0	2.3	2.6	3.0
20	2.3	2.8	3.1	3.4	3.7
21	3.2	3.6	3.9	4.2	4.5
22	4.1	4.5	4.7	5.0	5.3
23	5.0	5.4	5.6	5.9	6.1
24	6.0	6.3	6.5	6.8	7.0
25	6.9	7.2	7.4	7.6	7.9

Advice

Mounting plates and accessories, see pages 48 - 51, 160 - 111

Optional soft closure Silent System and Push to open system, see pages 112 - 113, 122 - 123

Mounting solutions, fitting information, assembly notes and quality criteria, see pages 160 - 168, 191



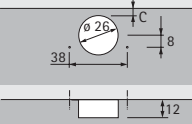
Fast-assembly concealed hinge

- ▶ Intermat 9924 W30 for wood framed doors
- ▶ For face angle 30°, Opening angle 95°



- ▶ Concealed hinge for snap-on attachment
- ▶ Quality grades to EN 15570, Level 2
- ▶ For 30° face angle
- ▶ For door thickness 15 - 25 mm
- ▶ Cup diameter 26 mm
- ▶ Cup depth 11.9 mm
- ▶ Integrated overlay adjustment + 0.5 mm / - 3 mm
- ▶ Integrated depth adjustment 4 mm
- ▶ Height adjustment at mounting plate
- ▶ Material of hinge arm: Die-cast zinc nickel-plated
- ▶ Material of hinge cup: Steel, nickel-plated

Intermat 9924 W30, opening angle 95°

		Overlay	Inset	
Cup assembly	Drilling pattern	 Base B 6 mm (Cranking 6 mm)	 Base B - 5 mm (Cranking - 5 mm)	PU
Screw-on type TH 42		0 079 306	0 079 307	1/50 ea.

Fast-assembly concealed hinge

- ▶ Intermat 9924 W30 for wood framed doors
- ▶ For face angle 30°, Opening angle 95°

Minimum reveal per door

Door thickness mm	Cup distance C mm				
	3.0	4.0	4.5	5.0	5.5
15	0.4	0.4	0.4	0.4	0.4
16	0.6	0.6	0.6	0.6	0.6
17	0.9	0.9	0.9	0.8	0.8
18	1.6	1.2	1.2	1.1	1.1
19	2.4	2.0	1.8	1.6	1.5
20	3.3	2.7	2.5	2.3	2.1
21	4.2	3.6	3.4	3.2	3.0
22	5.1	4.5	4.2	4.0	3.8
23	6.0	5.4	5.1	4.9	4.6
24	7.0	6.3	6.0	5.8	5.5
25	7.9	7.2	6.9	6.6	6.4

Please 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 + 0.8 mm

Note

The drawings below show the hinges including mounting plate distances on a scale of 1:1. The door reveal can be measured directly from the individual distance lines by drawing in the required cup distance C (3 - 5.5 mm).

To determine the position for securing the mounting plate, measure along the selected distance line from the carcass front edge to the corresponding marking line for the line of holes.

Depending on door thickness and cup distance C, the required minimum reveal must be taken into account as shown in the table.

Overlay - Scale 1:1

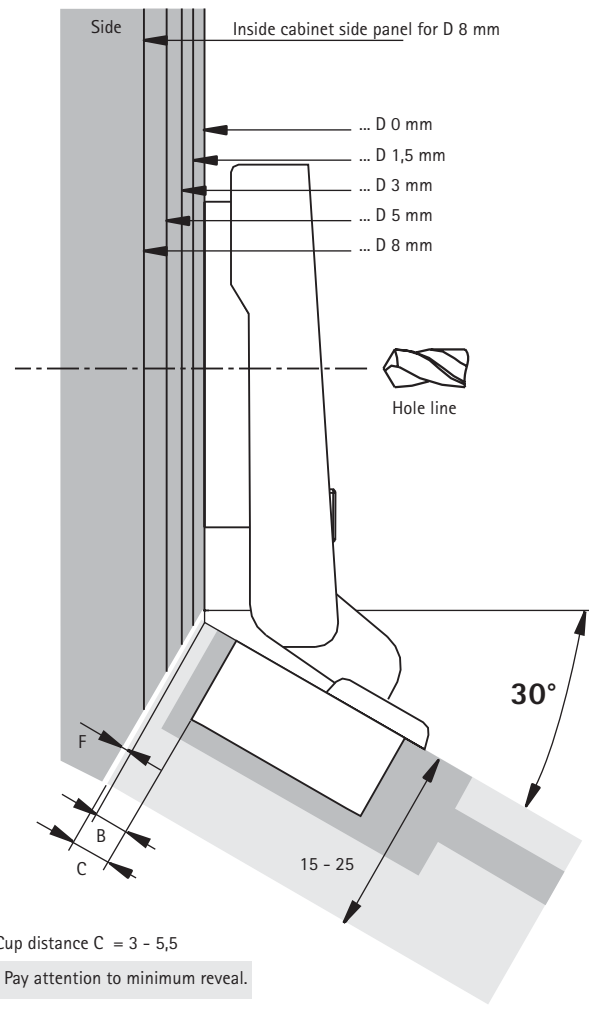
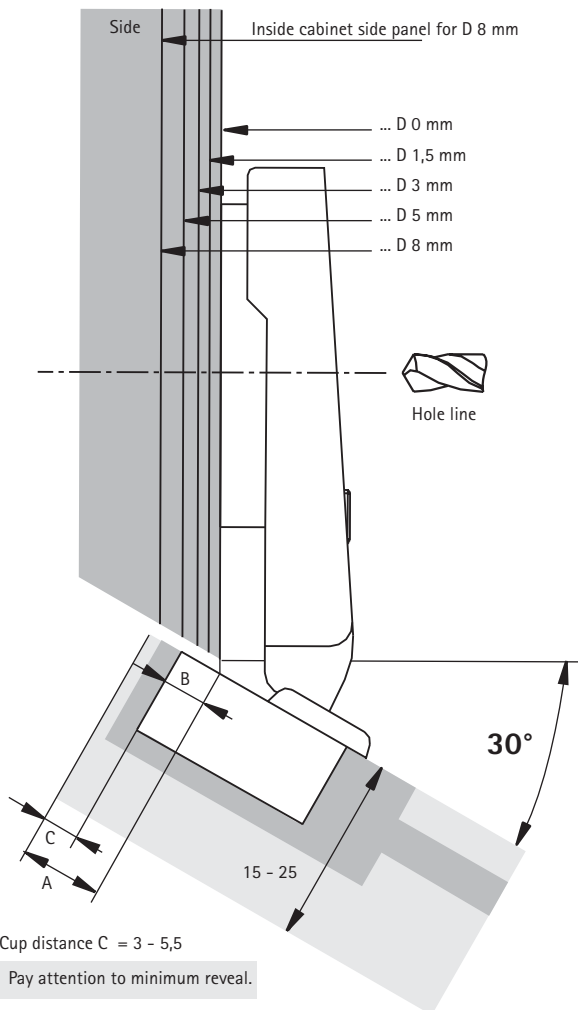
$$\text{Distance D} = 0.87 \times (C + B - A)$$

$$= 0.87 \times (\text{cup distance C} + 6 \text{ mm} - \text{overlay A})$$

Inset - Scale 1:1

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

$$= 0.87 \times (\text{cup distance C} - 5 \text{ mm} + \text{reveal F})$$



Advice

Mounting plates and accessories, see pages 48 - 51, 160 - 111
 Optional soft closure Silent System and Push to open system, see pages 112 - 113, 122 - 123
 Mounting solutions, fitting information, assembly notes and quality criteria, see pages 160 - 168, 191



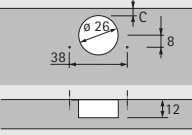
Fast-assembly concealed hinge

- ▶ Intermat 9924 W45 for wooden frame doors
- ▶ For face angle 45°, Opening angle 95°



- ▶ Concealed hinge for snap-on attachment
- ▶ Quality grades to EN 15570, Level 2
- ▶ For 45° face angle
- ▶ For door thickness 15 - 25 mm
- ▶ Cup diameter 26 mm
- ▶ Cup depth 11.9 mm
- ▶ Integrated overlay adjustment + 0.5 mm / - 3 mm
- ▶ Integrated depth adjustment 4 mm
- ▶ Height adjustment at mounting plate
- ▶ Material of hinge arm: Die-cast zinc nickel-plated
- ▶ Material of hinge cup: Steel, nickel-plated

Intermat 9924 W45, opening angle 95°

		Overlay	Inset	
Cup assembly	Drilling pattern	 Base B 6 mm (Cranking 6 mm)	 Base B - 5 mm (Cranking - 5 mm)	PU
Screw-on type TH 42		0 079 310	0 079 311	1/50 ea.

Fast-assembly concealed hinge

- ▶ **Intermat 9924 W45 for wooden frame doors**
- ▶ **For face angle 45°, Opening angle 95°**

Minimum reveal per door

Door thickness mm	Cup distance C mm				
	3.0	4.0	4.5	5.0	5.5
15	0.4	0.4	0.4	0.4	0.4
16	0.6	0.6	0.6	0.6	0.6
17	0.9	0.9	0.9	0.8	0.8
18	1.6	1.2	1.2	1.1	1.1
19	2.4	2.0	1.8	1.6	1.5
20	3.3	2.7	2.5	2.3	2.1
21	4.2	3.6	3.4	3.2	3.0
22	5.1	4.5	4.2	4.0	3.8
23	6.0	5.4	5.1	4.9	4.6
24	7.0	6.3	6.0	5.8	5.5
25	7.9	7.2	6.9	6.6	6.4

Please 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 + 0.8 mm

Note

The drawings below show the hinges including mounting plate distances on a scale of 1:1. The door reveal can be measured directly from the individual distance lines by drawing in the required cup distance C (3 - 5.5 mm).

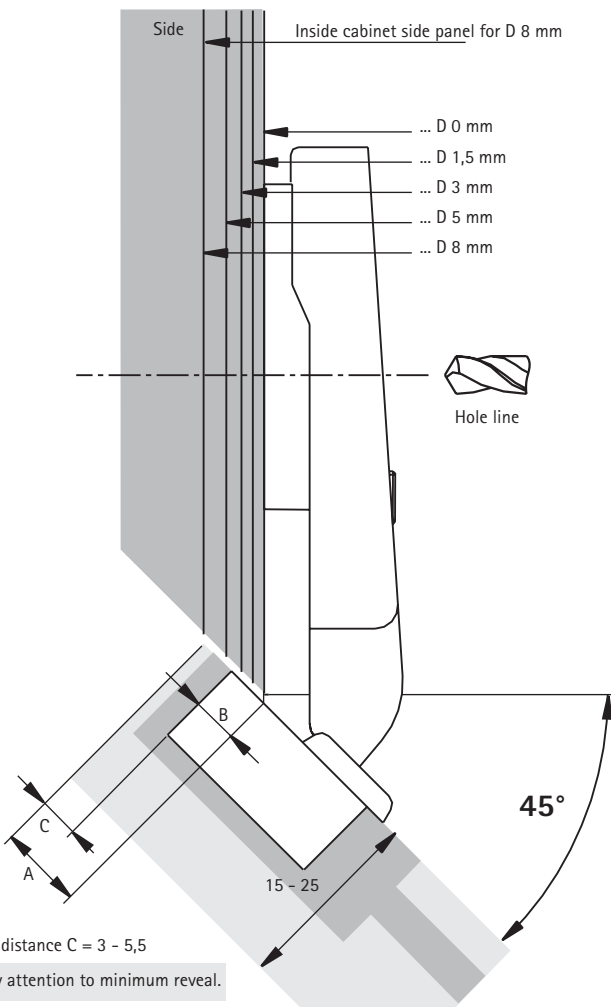
To determine the position for securing the mounting plate, measure along the selected distance line from the carcass front edge to the corresponding marking line for the line of holes.

Depending on door thickness and cup distance C, the required minimum reveal must be taken into account as shown in the table.

Overlay - Scale 1:1

$$\text{Distance D} = 0.71 \times (C + B + F)$$

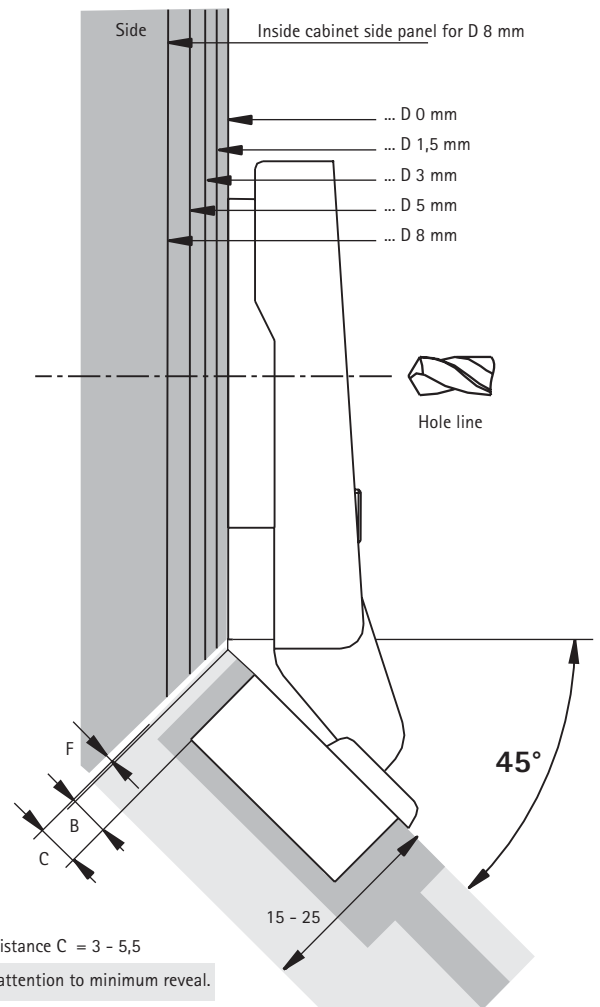
$$= 0.71 \times (\text{cup distance C} + 6 \text{ mm} - \text{overlay A})$$



Inset - Scale 1:1

$$\text{Distance D} = 0.71 \times (C + B + F)$$

$$= 0.71 \times (\text{cup distance C} - 5 \text{ mm} + \text{reveal F})$$



Advice

Mounting plates and accessories, see pages 48 - 51, 160 - 111

Optional soft closure Silent System and Push to open system, see pages 112 - 113, 122 - 123

Mounting solutions, fitting information, assembly notes and quality criteria, see pages 160 - 168, 191

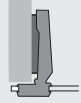
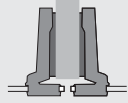
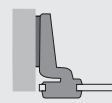
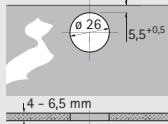
Fast-assembly concealed hinge

- ▶ Intermat 9904 for glass doors
- ▶ Opening angle 95°



- ▶ Concealed hinge for snap-on attachment
- ▶ Quality grades to EN 15570, Level 2
- ▶ For 4.0 - 6.5 mm thick glass
- ▶ Cup diameter 26 mm
- ▶ Integrated overlay adjustment + 1 mm / - 2.5 mm
- ▶ Integrated depth adjustment 4 mm
- ▶ Height adjustment at mounting plate
- ▶ Material of hinge arm: Die-cast zinc nickel-plated
- ▶ Material of hinge cup: Black plastic

Intermat 9904, opening angle 95°

		Overlay	Half overlay	Inset	
Cup assembly	Drilling pattern	 Base B 11 mm (Cranking 1 mm)	 Base B 2.5 mm (Cranking 9.5 mm)	 Base B - 4 mm (Cranking 16 mm)	PU
Screw-on type T 1		0 072 960	0 072 967	0 072 968	1/50 ea.

Decorative caps type A



Finish	Order no.	PU
1 Chrome-plated high-gloss	0 040 341	1/50 ea.
2 Nickel-plated matt	0 070 712	1/50 ea.
3 Gold-plated high-gloss	0 040 340	1/50 ea.
4 Black	0 070 051	1/50 ea.

In addition to the decorative cap, the items also include the cap mount and two fixing screws for glass up to 5 mm thick. Alternative fixing screws are required for glass from 5.5 mm to 6.5 mm thick (see page 110).

Decorative caps type B



Finish	Order no.	PU
1 Chrome-plated high-gloss	0 040 495	1/50 ea.
2 Nickel-plated matt	0 070 713	1/50 ea.
3 Gold-plated	0 040 494	1/50 ea.
4 Black	0 070 052	1/50 ea.

In addition to the decorative cap, the items also include the cap mount and two fixing screws for glass up to 5 mm thick. Alternative fixing screws are required for glass from 5.5 mm to 6.5 mm thick (see page 110).

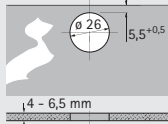
Fast-assembly concealed hinge

- ▶ Intermat 9904 W45 for glass doors
- ▶ For face angle 45°, Opening angle 95°



- ▶ Concealed hinge for snap-on attachment
- ▶ Quality grades to EN 15570, Level 2
- ▶ For 45° face angle
- ▶ For 4.0 - 6.5 mm thick glass
- ▶ Cup diameter 26 mm
- ▶ Integrated overlay adjustment + 1 mm / - 2.5 mm
- ▶ Integrated depth adjustment 4 mm
- ▶ Height adjustment at mounting plate
- ▶ Material of hinge arm: Die-cast zinc nickel-plated
- ▶ Material of hinge cup: Black plastic

Intermat 9904 W45, opening angle 95°

Cup assembly	Drilling pattern	Overlay	Inset	PU
Screw-on type T 1		Base B 6 mm (Cranking 6 mm)	Base B - 5 mm (Cranking - 5 mm)	1/50 ea.
		0 079 316	0 079 317	

Decorative caps type A



Finish	Order no.	PU
1 Chrome-plated high-gloss	0 040 341	1/50 ea.
2 Nickel-plated matt	0 070 712	1/50 ea.
3 Gold-plated high-gloss	0 040 340	1/50 ea.
4 Black	0 070 051	1/50 ea.

In addition to the decorative cap, the items also include the cap mount and two fixing screws for glass up to 5 mm thick. Alternative fixing screws are required for glass from 5.5 mm to 6.5 mm thick (see page 110).

Decorative caps type B



Finish	Order no.	PU
1 Chrome-plated high-gloss	0 040 495	1/50 ea.
2 Nickel-plated matt	0 070 713	1/50 ea.
3 Gold-plated	0 040 494	1/50 ea.
4 Black	0 070 052	1/50 ea.

In addition to the decorative cap, the items also include the cap mount and two fixing screws for glass up to 5 mm thick. Alternative fixing screws are required for glass from 5.5 mm to 6.5 mm thick (see page 110).




Fast-assembly concealed hinge

- ▶ **Intermat 9936 for aluminium framed doors**
- ▶ **Opening angle 95°**



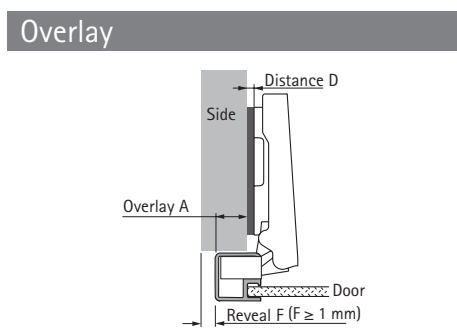
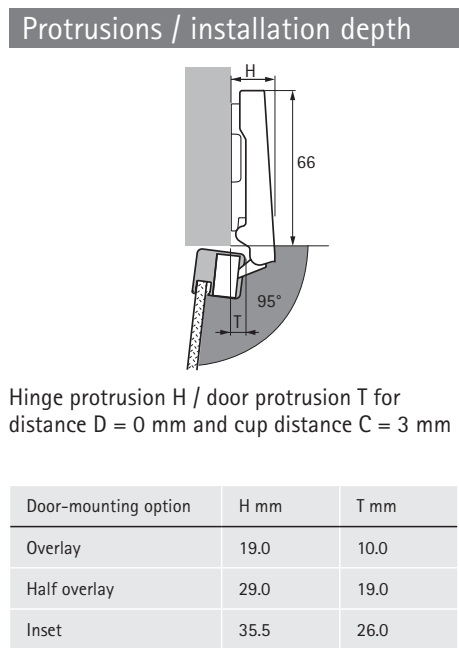
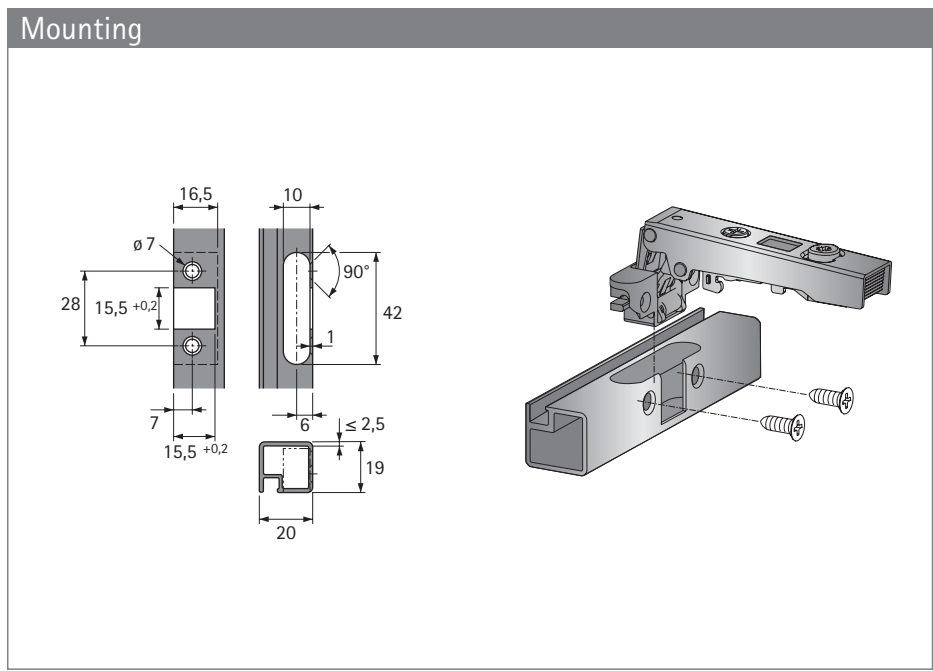
- ▶ Concealed hinge for snap-on attachment
- ▶ Quality grades to EN 15570, Level 2
- ▶ For 19 mm wide aluminium frame profiles
- ▶ Integrated overlay adjustment + 2.5 mm / - 2.5 mm
- ▶ Integrated depth adjustment 4 mm
- ▶ Height adjustment at mounting plate
- ▶ Material of hinge arm: Steel, nickel-plated
- ▶ Material of hinge cup: Zinc die-cast nickel-plated
- ▶ Including 2 fixing screws

Intermat 9936 Alu, opening angle 95°

	Overlay	Half overlay	Inset	
				
Cup assembly	Base B 13.5 mm (Cranking 0 mm)	Base B 4 mm (Cranking 9.5 mm)	Base B - 2.5 mm (Cranking 16 mm)	PU
Screw-on type TA 22	0 072 994	0 077 728	0 077 729	1/10 ea.

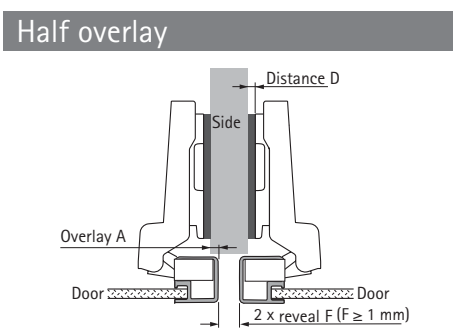
Fast-assembly concealed hinge

- ▶ Intermat 9936 for aluminium framed doors
- ▶ Opening angle 95°



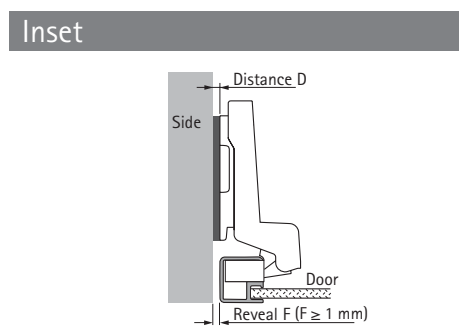
Distance D = 16 mm - overlay A

Overlay mm	Distance D mm
5	11.0
6	10.0
7	9.0
8	8.0
9	7.0
10	6.0
11	5.0
12	4.0
13	3.0
14	2.0
15	1.0
16	0.0



Distance D = 6.5 mm - overlay A

Overlay mm	Distance D mm
0	6.5
1	5.5
2	4.5
3	3.5
4	2.5
5	1.5
6	0.5
6.5	0.0



Distance D = reveal F

Reveal mm	Distance D mm
1	1.0
2	2.0
3	3.0
4	4.0
5	5.0

▶ Advice

Mounting plates and accessories, see pages 48 - 51, 160 - 111
 Optional soft closure Silent System and Push to open system, see pages 112 - 113, 122 - 123
 Mounting solutions, fitting information, assembly notes and quality criteria, see pages 160 - 168, 191


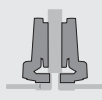
Fast-assembly concealed hinge

- ▶ Intermat 9944 for aluminium framed doors
- ▶ Opening angle 125°



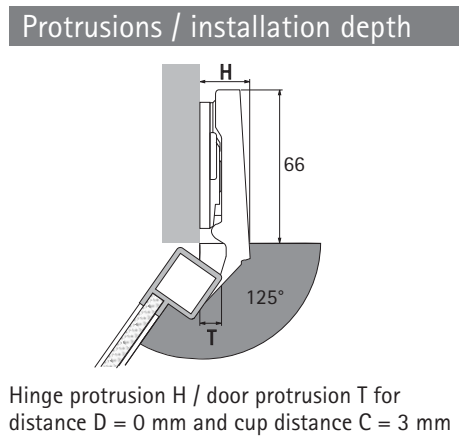
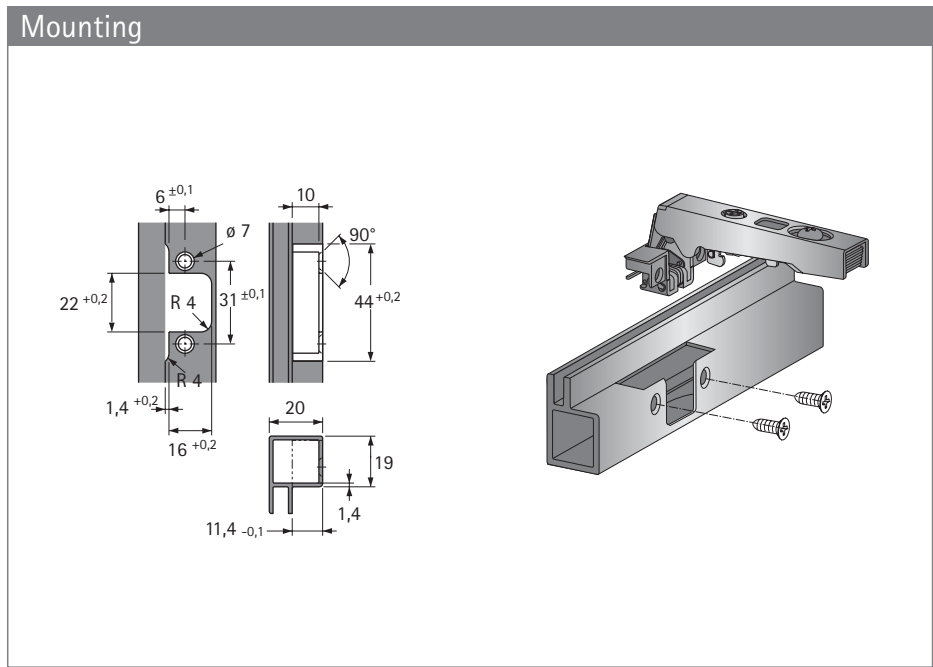
- ▶ Concealed hinge for snap-on attachment
- ▶ Quality grades to EN 15570, Level 2
- ▶ For 19 mm wide aluminium frame profiles
- ▶ Integrated overlay adjustment + 2.5 mm / - 2.5 mm
- ▶ Integrated depth adjustment 4 mm
- ▶ Height adjustment at mounting plate
- ▶ Material of hinge arm: Steel, nickel-plated
- ▶ Material of hinge cup: Zinc die-cast nickel-plated
- ▶ Including 2 fixing screws

Intermat 9944 Alu, opening angle 125°

	Overlay	Half overlay	
			
Cup assembly	Base B 12.5 mm (Cranking 0 mm)	Base B 3 mm (Cranking 9.5 mm)	PU
Screw-on type TA 22	0 020 169	0 020 170	1/10 ea.

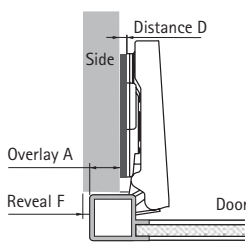
Fast-assembly concealed hinge

- ▶ Intermat 9944 for aluminium framed doors
- ▶ Opening angle 125°



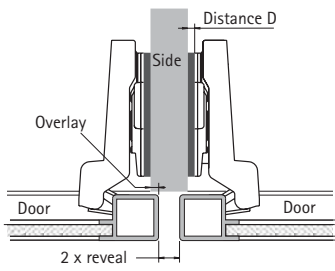
Door-mounting option	H mm	T mm
Overlay	18.5	8.0
Half overlay	28.0	17.5

Overlay



D = 15 mm - Overlay A

Half overlay



D = 5.5 mm - Overlay A

Overlay mm	Distance D mm
4	11.0
5	10.0
6	9.0
7	8.0
8	7.0
9	6.0
10	5.0
11	4.0
12	3.0
13	2.0
14	1.0
15	0.0

Overlay mm	Distance D mm
- 2	7.5
- 1	6.5
0	5.5
1	4.5
2	3.5
3	2.5
4	1.5
5.5	0.0

Advice

Mounting plates and accessories, see pages 48 - 51, 160 - 111
 Optional soft closure Silent System and Push to open system, see pages 112 - 113, 122 - 123
 Mounting solutions, fitting information, assembly notes and quality criteria, see pages 160 - 168, 191

Fast-assembly concealed hinge

- ▶ Intermat 9930 for corner unit folding doors
- ▶ Opening angle 50° / 65°



- ▶ Concealed hinge for snap-on attachment
- ▶ Quality grades to EN 15570, Level 2
- ▶ Cup diameter 35 mm
- ▶ Cup depth 11.1 mm (Fix 11.6 mm)
- ▶ Diagonal adjustment + 9.5 mm / - 9.5 mm
- ▶ Integrated overlay adjustment, see sketch
- ▶ Integrated depth adjustment, see sketch
- ▶ Height adjustment at mounting plate
- ▶ Material of hinge arm: Die-cast zinc nickel-plated
- ▶ Material of hinge cup: Steel, nickel-plated

Intermat 9930, opening angle 50° / 65°

Cup assembly	Drilling pattern	Overlay	PU
Screw-on type TH 42			1/50 ea.
Press-in type TH 43			1/50 ea.
Flash fast assembly TH 44			1/50 ea.
Fix fast assembly TH 45			1/50 ea.
Press-in type TB 43			1/50 ea.
Fix fast assembly TB 45			1/50 ea.

Fast-assembly concealed hinge

- ▶ **Intermat 9930 for corner unit folding doors**
- ▶ **Opening angle 50° / 65°**

Version A - Cup drill holes in one door

- ▶ All cup drill holes in one door
- ▶ Hairline reveal can be provided between door elements
- ▶ No cutaway necessary in cup holes
- ▶ Same door width for both elements
- ▶ Diagonal adjustment capability for easy adjustment to door thickness
- ▶ Same cup distance on both sides of side-mounted door
- ▶ Hole-line distance of 37 mm in the folding door panel
- ▶ For doors from 16 to 21 mm thick.
- ▶ Cup distance C 3 - 6 mm

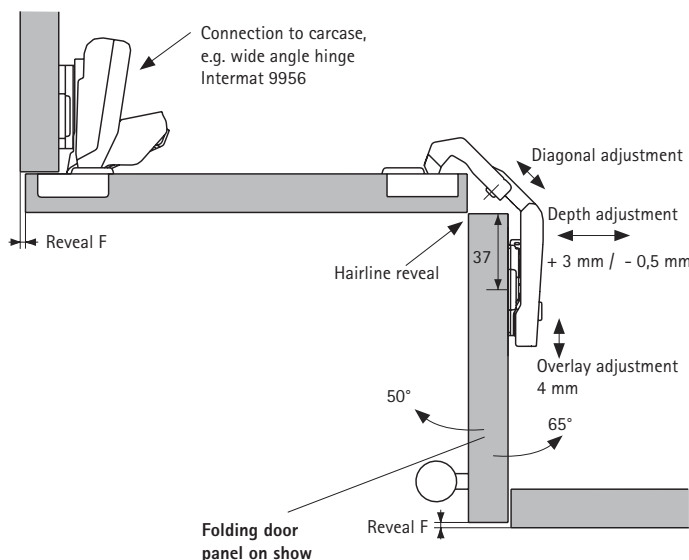
Version A - Calculation of door width

Door width = carcass width - reveal F - door thickness

Version A - Calculation of mounting-plate distance

For cup distance C = 4.5 mm: Distance D = 0 mm
 For cup distance C = 3.0 mm: Distance D = 1.5 mm

Differing cup distances can be evened out by depth and diagonal adjustment capability.



▶ Advice

Mounting plates and accessories, see pages 48 - 51, 160 - 111
 For fitting information, mounting advice and quality criteria, see pages 160 - 168, 191

Version B - Cup hole in both doors

- ▶ Both door elements are the same
- ▶ No cutaway necessary in cup holes
- ▶ Diagonal adjustment capability for easy adjustment to door thickness
- ▶ Hole-line distance of 41 mm in the side-mounted door
- ▶ For doors from 16 to 21 mm thick.
- ▶ Cup distance C 3 - 6 mm

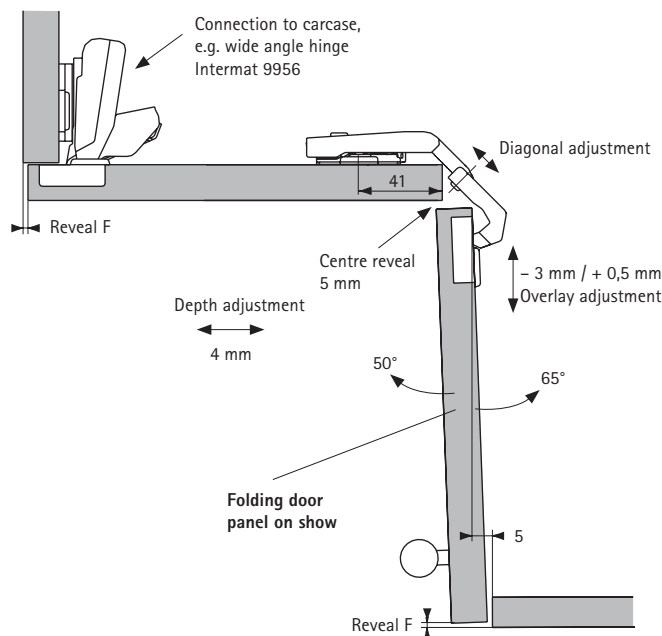
Version B - Calculation of door width

Door width = carcass width - reveal F - door thickness - 5 mm

Version B - Calculation of mounting-plate distance

For cup distance C = 4.5 mm: Distance D = 0 mm
 For cup distance C = 3.0 mm: Distance D = 1.5 mm

Differing cup distances can be evened out by depth and diagonal adjustment capability.



Fast-assembly concealed hinge

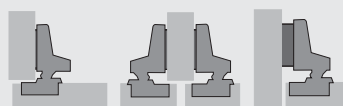
- ▶ Intermat 9945 with variable overlay
- ▶ Opening angle 95°



- ▶ Concealed hinge for snap-on attachment
- ▶ Quality grades to EN 15570, Level 2
- ▶ Suitable for overlay, half overlay and inset application due to infinite, parallel overlay adjustment + 3.9 mm / - 8.5 mm
- ▶ For door thickness 14 - 29 mm
- ▶ Cup diameter 35 mm
- ▶ Cup depth 11.3 mm
- ▶ Integrated depth adjustment 4 mm
- ▶ Height adjustment at mounting plate
- ▶ Material of hinge arm: Die-cast zinc nickel-plated
- ▶ Material of hinge cup: Steel, nickel-plated

Intermat 9945, opening angle 95°

Overlay / Half overlay / Inset



Cup assembly	Drilling pattern		PU
Screw-on type TH 42		0 074 684	1/50 ea.

Fast-assembly concealed hinge

- ▶ Intermat 9945 with variable overlay
- ▶ Opening angle 95°

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	
14	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
15	0.3	0.2	0.2	0.2	0.2	0.2	0.2	
16	0.4	0.4	0.4	0.4	0.4	0.4	0.4	
17	0.5	0.5	0.5	0.5	0.5	0.5	0.5	
18	0.7	0.7	0.7	0.7	0.6	0.6	0.6	
19	0.9	0.9	0.9	0.8	0.8	0.8	0.8	
20	1.1	1.1	1.1	1.1	1.0	1.0	1.0	
21	1.4	1.3	1.3	1.3	1.3	1.2	1.2	
22	1.7	1.6	1.6	1.6	1.5	1.5	1.5	
23	2.0	1.9	1.9	1.9	1.8	1.8	1.7	
24	2.3	2.3	2.2	2.2	2.1	2.1	2.0	
25	2.8	2.7	2.6	2.6	2.5	2.4	2.4	
26	3.3	3.1	3.1	3.0	2.9	2.8	2.7	
27	4.2	3.7	3.6	3.5	3.3	3.2	3.1	
28	5.0	4.5	4.3	4.1	3.9	3.7	3.6	
29	5.9	5.4	5.2	4.9	4.6	4.3	4.1	

Please note:

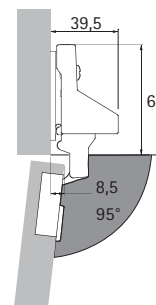
The values in the table refer to doors with an edge radius of 1 mm.

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

Radius 0 mm:
Value in table + 0.4 mm

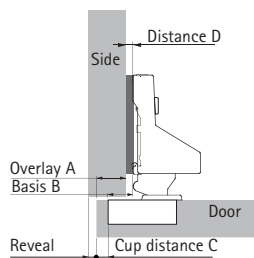
Radius 3 mm:
Value in table + 0.8 mm

Protrusions / installation depth

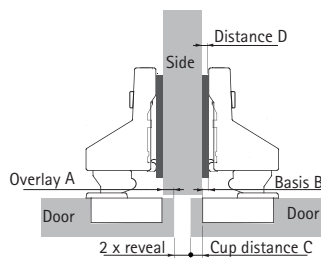


Distance D = 0 mm and cup distance C = 3 mm

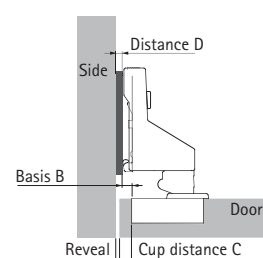
Overlay / Half overlay / Inset



Adjustment range = $D - C + A - 10$ mm



Adjustment range = $D - C + A - 10$ mm



Adjustment range = $D - C - F - 10$ mm

Overlay mm	Cup distance C mm							
	3.0	4.0	4.5	5.0	6.0	7.0	8.0	
Distance D mm								
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
17		0.0	0.0	0.0	0.0	0.0	0.0	
18			0.0	0.0	0.0	0.0	0.0	
19				0.0	0.0	0.0	0.0	
20					0.0	0.0	0.0	
21						0.0	0.0	

Overlay mm	Cup distance C mm							
	3.0	4.0	4.5	5.0	6.0	7.0	8.0	
Distance D mm								
0	5.0	8.0	8.0	8.0	8.0	11.0	11.0	
1	5.0	5.0	8.0	8.0	8.0	11.0	11.0	
2	3.0	5.0	5.0	5.0	8.0	8.0	8.0	
3	3.0	3.0	5.0	5.0	5.0	8.0	8.0	
4	1.5	3.0	3.0	3.0	5.0	5.0	8.0	
5	0.0	1.5	1.5	3.0	3.0	5.0	5.0	
6	0.0	0.0	1.5	1.5	3.0	3.0	5.0	
7	0.0	0.0	0.0	0.0	1.5	3.0	3.0	
8	0.0	0.0	0.0	0.0	0.0	1.5	3.0	
9	0.0	0.0	0.0	0.0	0.0	0.0	1.5	
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

Door thickness mm	Cup distance C mm							
	3.0	4.0	4.5	5.0	6.0	7.0	8.0	
Distance D mm								
14	5.0	8.0	8.0	8.0	8.0	11.0	11.0	
15	5.0	8.0	8.0	8.0	8.0	11.0	11.0	
16	5.0	8.0	8.0	8.0	8.0	11.0	11.0	
17	8.0	8.0	8.0	8.0	8.0	11.0	11.0	
18	8.0	8.0	8.0	8.0	11.0	11.0	11.0	
19	8.0	8.0	8.0	8.0	11.0	11.0	11.0	
20	8.0	8.0	8.0	8.0	11.0	11.0	11.0	
21	8.0	8.0	8.0	8.0	11.0	11.0	11.0	
22	8.0	8.0	8.0	11.0	11.0	11.0	11.0	
23	8.0	8.0	8.0	11.0	11.0	11.0	11.0	
24	8.0	8.0	11.0	11.0	11.0	11.0	11.0	
25	8.0	11.0	11.0	11.0	11.0	11.0	11.0	
26	8.0	11.0	11.0	11.0	11.0			
27	11.0	11.0	11.0	11.0	11.0			
28	11.0	11.0	11.0	11.0				
29	11.0	11.0						

Advice

Mounting plates and accessories, see pages 48 - 51, 160 - 111

Optional soft closure Silent System and Push to open system, see pages 112 - 113, 122 - 123

Mounting solutions, technical information, assembly notes and quality criteria, see pages 160 - 168, 191

Fast-assembly concealed hinge

- ▶ Intermat Konsul 5 for rebated doors
- ▶ 180° opening angle

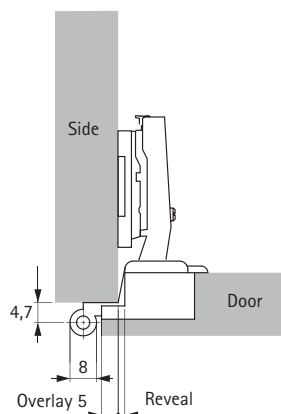


- ▶ Single-pivot hinge with visible knuckle and decorative finials, snap-on assembly
- ▶ Quality grades to EN 15570, Level 2
- ▶ For door thickness from 16 mm
- ▶ Cup diameter 35 mm
- ▶ Cup depth 14 mm
- ▶ Integrated overlay adjustment - 2 mm
- ▶ Integrated depth adjustment 4 mm
- ▶ Height adjustment at mounting plate
- ▶ Can be used with System 9000 mounting plates for Intermat
- ▶ Zinc die cast

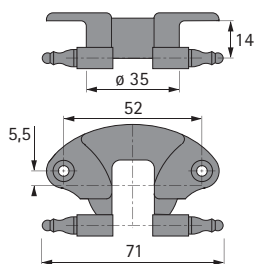
Intermat Konsul 5, opening angle 180°

Drilling pattern	Cup assembly	Brass-plated	Burnished	PU
		Overlay	Overlay	
	Screw-on type TH 22	0 079 417	0 079 418	1/50 ea.

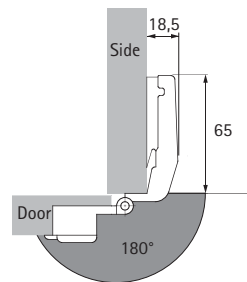
Assembly drawing



5 mm overlay when using mounting plate D = 0 mm



Protrusions / installation depth



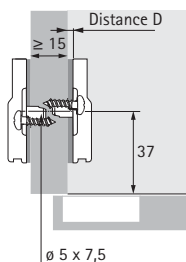
No door protrusion, unobstructed interior for pull-outs

Fast-assembly concealed hinge

- ▶ Intermat Konsul 5 for rebated doors
- ▶ Accessories

Patented "Hettich Direkt" cross mounting plate with pilot pin and special screws

- ▶ For $\varnothing 5 \times 7.5$ mm holes
- ▶ Hole spacing 32 mm
- ▶ Half overlay door, from 15 mm side panel thickness
- ▶ Oblong hole height adjustment ± 2 mm
- ▶ Brass-plated steel

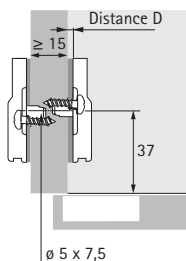


Distance D mm	Order no.	PU
0.0	0 079 703	1/50 ea.



Patented "Hettich Direkt" cross mounting plate with pilot pin and special screws

- ▶ For 5 mm $\varnothing 5 \times 7.5$ mm holes
- ▶ Hole spacing 32 mm
- ▶ Half overlay door, from 15 mm side panel thickness
- ▶ Oblong hole height adjustment ± 2 mm
- ▶ Steel burnished

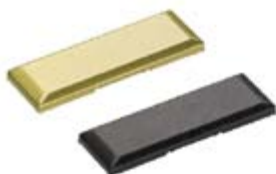


Distance D mm	Order no.	PU
0.0	0 079 702	1/50 ea.



Cover cap for hinge arm

- ▶ Brass-plated / burnished steel



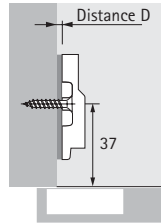
Finish	Order no.	PU
Brass-plated	0 048 365	1/50 ea.
Burnished	0 048 366	1/50 ea.

Fast-assembly concealed hinge

- ▶ System 9000 mounting plates with oblong-hole height adjustment capability
- ▶ For Intermat

Screw-on cross mounting plate

- ▶ For $\varnothing 4.5 \times 16$ mm countersunk wood screws
- ▶ Hole spacing 32 mm
- ▶ Oblong hole height adjustment ± 2 mm
- ▶ Steel, nickel-plated (D0 - D5)
- ▶ Nickel-plated die-cast zinc (D8, D11)

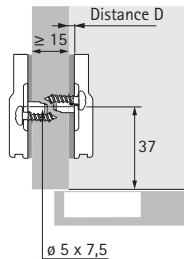


Distance D mm	Order no. 1/50 ea.	400 ea.
0.0	0 072 983	1 071 605
1.5	0 072 984	1 071 606
3.0	0 072 985	1 071 607
5.0	0 072 986	
8.0	0 072 987	
11.0	0 077 946	



Patented „Hettich Direkt“ cross mounting plate with pilot pin and special screws

- ▶ For 5 mm $\varnothing 5 \times 7.5$ mm holes
- ▶ Hole spacing 32 mm
- ▶ Half overlay door, from 15 mm side panel thickness
- ▶ Oblong hole height adjustment ± 2 mm
- ▶ Steel, nickel-plated (D0 - D5)
- ▶ Nickel-plated die-cast zinc (D8)

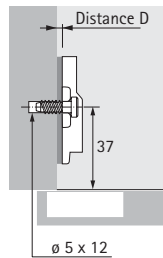


Distance D mm	Order no.	PU
0.0	0 079 276	1/50 ea.
1.5	0 079 277	1/50 ea.
3.0	0 078 926	1/50 ea.
5.0	0 079 278	1/50 ea.
8.0	0 079 279	1/50 ea.



Cross mounting plate with premounted Euro screws

- ▶ For hole $\varnothing 5 \times 12$ mm
- ▶ Hole spacing 32 mm
- ▶ Oblong hole height adjustment ± 2 mm
- ▶ Steel, nickel-plated (D0 - D5)
- ▶ Nickel-plated die-cast zinc (D8, D11)

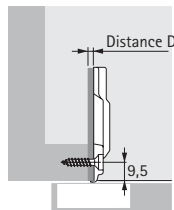


Distance D mm	Order no. 1/50 ea.	400 ea.
0.0	0 079 374	1 071 625
1.5	0 079 375	1 071 626
3.0	0 079 376	1 071 627
5.0	0 079 377	
8,0	0 079 378	
11.0	0 079 379	



Screw-on face-frame mounting plate

- ▶ For $\varnothing 4 \times 20$ mm countersunk wood screws
- ▶ Hole spacing 40 mm
- ▶ Oblong hole height adjustment ± 2 mm
- ▶ Zinc die-cast nickel-plated



Distance D mm	Order no.	PU
0.0	0 079 382	1/50 ea.
4.5	0 079 383	1/50 ea.

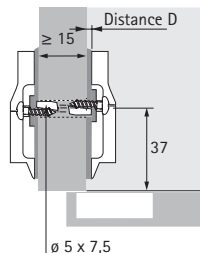


Fast-assembly concealed hinge

- ▶ System 9000 mounting plates with eccentric height adjustment capability
- ▶ For Intermat

Patented "Hettich Direkt" cross mounting plate with pilot pin and special screws

- ▶ For $\varnothing 5 \times 7.5$ mm holes
- ▶ Hole spacing 32 mm
- ▶ Half overlay door, from 15 mm side panel thickness
- ▶ Eccentric height adjustment ± 2 mm
- ▶ Zinc die-cast nickel-plated

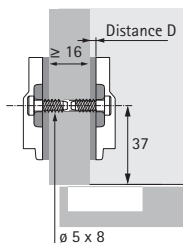


Distance D mm	Order no.	PU
0.0	0 020 009	1/50 ea.
1.5	0 020 010	1/50 ea.
3.0	0 020 011	1/50 ea.
5.0	0 020 012	1/50 ea.
8.0	0 020 013	1/50 ea.



Cross mounting plate with premounted Euro screws

- ▶ For hole $\varnothing 5 \times 8$ mm
- ▶ Hole spacing 32 mm
- ▶ Half overlay door, from 16 mm side panel thickness
- ▶ Eccentric height adjustment ± 2 mm
- ▶ Zinc die-cast nickel-plated

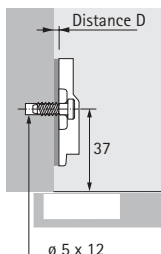


Distance D mm	Order no.	PU
0,0	9 132 644	1/50 ea.
1.5	9 132 643	1/50 ea.
3.0	9 132 645	1/50 ea.
5.0	9 132 646	1/50 ea.
8.0	9 132 647	1/50 ea.



Cross mounting plate with premounted Euro screws

- ▶ For hole $\varnothing 5 \times 12$ mm
- ▶ Hole spacing 32 mm
- ▶ Eccentric height adjustment ± 2 mm
- ▶ Zinc die-cast nickel-plated

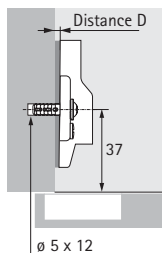


Distance D mm	Order no.	PU
0.0	9 079 695	1/50 ea.
1.5	9 079 700	1/50 ea.
3.0	9 079 701	1/50 ea.
5.0	9 079 702	1/50 ea.
8.0	9 079 703	1/50 ea.



Cross mounting plate with expanding sockets and special screws

- ▶ For $\varnothing 5 \times 12$ mm holes
- ▶ Hole spacing 32 mm
- ▶ Eccentric height adjustment ± 2 mm
- ▶ Zinc die-cast nickel-plated



Distance D mm	Order no.	PU
0.0	0 060 000	1/50 ea.
1.5	0 060 001	1/50 ea.
3.0	0 060 002	1/50 ea.
5.0	0 060 003	1/50 ea.
8.0	0 060 004	1/50 ea.

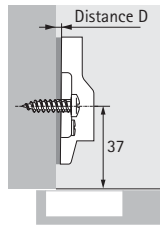


Fast-assembly concealed hinge

- ▶ System 9000 mounting plates with eccentric height adjustment capability
- ▶ For Intermat

Cross mounting plate with premounted chipboard screws

- ▶ For holes with max. \varnothing 2.5 mm
- ▶ Hole spacing 32 mm
- ▶ Eccentric height adjustment \pm 2 mm
- ▶ Zinc die-cast nickel-plated

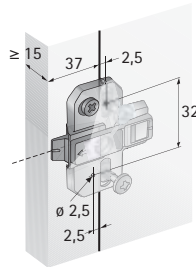


Distance D mm	Order no.	PU
0.0	0 043 021	1/50 ea.
1.5	0 043 022	1/50 ea.
3.0	0 043 023	1/50 ea.
5.0	0 043 024	1/50 ea.
8.0	0 043 025	1/50 ea.



Cross mounting plate with asymmetrically premounted chipboard screws

- ▶ For holes with max. \varnothing 2.5 mm
- ▶ Hole spacing 32 mm
- ▶ Half overlay door, from 15 mm side panel thickness
- ▶ Eccentric height adjustment \pm 2 mm
- ▶ Zinc die-cast nickel-plated



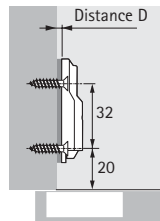
Distance D mm	Order no.	PU
0.0	0 043 026	1/50 ea.
1.5	0 043 027	1/50 ea.
3.0	0 043 028	1/50 ea.
5.0	0 043 029	1/50 ea.
8.0	0 043 031	1/50 ea.



BlueJig hinge drilling jig for marking asymmetric hole positions, see page 2756

Screw-on linear mounting plate

- ▶ For \varnothing 3.5 x 16 mm countersunk wood screws
- ▶ Eccentric height adjustment \pm 2 mm
- ▶ Zinc die-cast nickel-plated

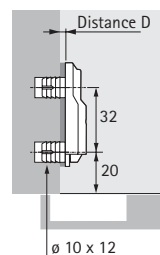


Distance D mm	Order no.	PU
1.5	0 043 017	1/50 ea.
3.0	0 043 018	1/50 ea.
5.0	0 043 019	1/50 ea.



Press-in linear mounting plate

- ▶ For hole dia. 10 mm x 12 mm
- ▶ Eccentric height adjustment \pm 2 mm
- ▶ Zinc die-cast nickel-plated



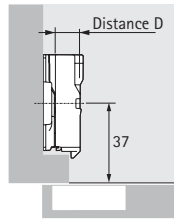
Distance D mm	Order no.	PU
1.5	0 042 814	1/50 ea.
3.0	0 042 813	1/50 ea.
5.0	0 042 815	1/50 ea.



- ▶ **Intermat**
- ▶ **Accessories**

Parallel adapter for cross mounting plates

- ▶ For increasing the mounting-plate distance by max. 22 mm
- ▶ Including fixing screw
- ▶ A trial door mounting is recommended
- ▶ Zinc die-cast nickel-plated

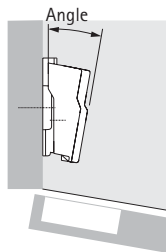


Distance D mm	Order no.	PU
8.0	9 072 231	1/200 ea.
12.0	9 072 232	1/200 ea.
22.0	9 072 233	1/200 ea.

Can only be used with cross mounting plates System 9000 with oblong hole height adjustment, see page 106

Angle adapter for cross mounting plates

- ▶ For realizing angled mounting options
- ▶ Including fixing screw
- ▶ A trial door mounting is recommended
- ▶ Zinc die-cast nickel-plated

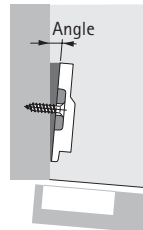


Angle °	Order no.	PU
5	0 043 036	1/50 ea.
10	0 043 037	1/50 ea.
15	0 043 038	1/50 ea.

Can only be used with cross mounting plates System 9000 with oblong hole height adjustment, see page 106

Angle adapter for cross mounting plates

- ▶ For realizing angled mounting options
- ▶ Stackable
- ▶ Can also be used to reduce the cabinet angle when turned through 180°
- ▶ A trial door mounting is recommended
- ▶ Silver plastic



Angle °	Order no.	PU
5	0 079 349	1/50 ea.
10	0 079 350	1/50 ea.

Can only be used with screw-on cross mounting plates, see page 106, screw length is defined by the specific configuration

Cover cap for Intermat hinge arm



- ▶ Can be used with Intermat hinges
- ▶ Cover caps with customised imprint available on request
- ▶ Steel, nickel-plated

Version	Order no.	PU
Neutral	0 013 300	1/50 ea.
Embossed with Hettich logo	9 042 839	1/200 ea.

- ▶ Intermat
- ▶ Accessories

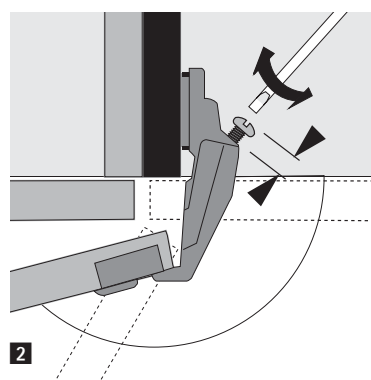
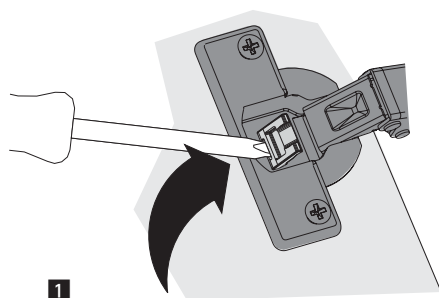
Opening angle limiter



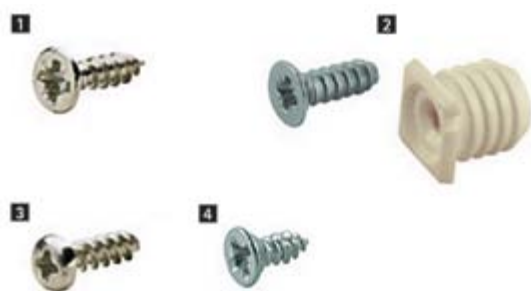
- ▶ For reducing the opening angle of doors on cabinets with adjoining or projecting elements
- ▶ Avoids damage to the front
- ▶ Assembly note, see page 168

Version	Opening angle limiter	Order no.	PU
1 For Intermat 9943	from 110° to 85°	9 040 835	1/200 ea.
2 For Intermat 9956 with cup in Intermat design	from 165° to 120° (infinite)	0 079 791	1/50 ea.

See mounting information for a detailed description of mounting



Fixing screws

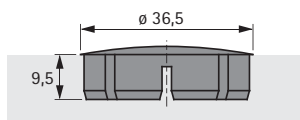


Version	Dimensions mm	Order no.	PU
1 For screw-on cup	ø 3.5 x 16	0 071 925	200 ea.
2 Screw and sleeve TH 43	ø 10 x 11	0 045 169	200 set
3 For glass-door hinges	For glass 5.5 - 6.5 mm thick	9 082 429	1/200 ea.
4 For aluminium frame hinge	ø 3.5 x 9.5	0 041 296	200 ea.

Fast-assembly concealed hinge

► Accessories

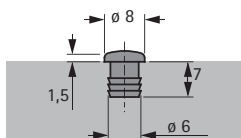
Cover cap ø 35 mm



- For hole dia. 35 x 9.5 mm
- Plastic

Colour	Order no.	PU
White	0 025 204	1/100 ea.
Brown	0 025 205	1/100 ea.

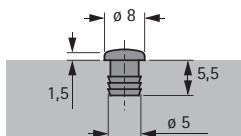
Press-in buffer



- For hole ø 6 x 7 mm
- Plastic

Colour	Order no.	PU
Brown	0 021 154	1/1000 ea.
White	0 025 048	1/1000 ea.
Beige	0 047 353	1/1000 ea.

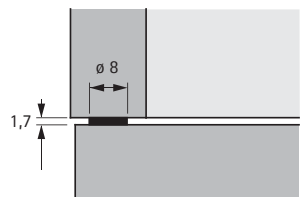
Press-in buffer



- For hole ø 5 x 5.5 mm
- Transparent plastic

Order no.	PU
9 079 298	1/1000 ea.

Stick-on buffer



- Self-adhesive
- Transparent plastic

Order no.	PU
0 072 120	50 ea.
0 046 695	1000 ea.

Optional soft closure Silent System

► For concealed hinges



Cabinet doors that close without a sound are one of today's most popular conveniences. Silent System can also be used to good effect on side-hung doors: it gently slows the door down and then lets it close slowly and quietly. The right technology is included for all cases: for clipping on, screw-mounting, fitting into a drill hole or elegantly fastening to the hinge cup. Always safe and simple - also when retrofitting hinges.



Silent System lets doors close quietly and gently.



Silent System for clipping onto the Intermat hinge arm.



Silent System for screwing onto the Intermat hinge cup.



Silent System for screwing onto the top or bottom panel.

Optional soft closure Silent System

- ▶ For concealed hinges
- ▶ Summary



Optional soft closure Silent System
for use with concealed hinges of series Intermat
Range summary / Technical comparison

114 - 115






Optional soft closure Silent System - universal
for use with concealed hinges of series Intermat and SlideOn
Range summary / Technical comparison

114 - 115

Optional soft closure Silent System



- ▶ For concealed hinges
- ▶ Range summary / Technical comparison

	Clip-on soft-closing element	Cushioner for hinge cup	Screw-on soft-closing element
			
Page	116	117	118
Use	<ul style="list-style-type: none"> ▶ Intermat 9943 ▶ Intermat 9944 ▶ Intermat 9936 	<ul style="list-style-type: none"> ▶ Intermat 9943 ▶ Intermat 9944 ▶ Intermat 9936 ▶ Screw-on cup TH 42 ▶ Press-in cup TH 43 	<ul style="list-style-type: none"> ▶ Intermat 9943 ▶ Intermat 9944 ▶ Intermat 9956 ▶ Intermat 9936 ▶ Intermat 9936 W20 / W30 / W45 / W90
Mounting option	<ul style="list-style-type: none"> ▶ Overlay ▶ Half overlay ▶ Inset 	<ul style="list-style-type: none"> ▶ Overlay 	<ul style="list-style-type: none"> ▶ Overlay ▶ Half overlay ▶ Inset
Installation	Clip-on version (without tools)	To be screwed onto the hinge cup	Screw-on version
Adjustable soft-closing action	Yes	Yes	Yes
Can be retrofitted	Yes	Yes	Yes
Material	Zinc die-cast nickel-plated	Zinc die-cast nickel-plated	Zinc die-cast nickel-plated

Optional soft closure Silent System



- ▶ For concealed hinges
- ▶ Range summary / Technical comparison

Screw-on soft-closing element	Hole-mounted soft-closing element	Screw-on soft-closing element	Linear screw-on soft-closing element
			
119	120	120	121
<ul style="list-style-type: none"> ▶ Intermat 9943 ▶ Intermat 9944 ▶ Intermat 9956 ▶ Intermat 9936 ▶ Intermat 9936 W20 / W30 / W45 / W90 	<ul style="list-style-type: none"> ▶ Intermat ▶ SlideOn 	<ul style="list-style-type: none"> ▶ Intermat ▶ SlideOn 	<ul style="list-style-type: none"> ▶ Intermat ▶ SlideOn
<ul style="list-style-type: none"> ▶ Overlay ▶ Half overlay ▶ Inset 	<ul style="list-style-type: none"> ▶ Overlay ▶ Half overlay 	<ul style="list-style-type: none"> ▶ Overlay ▶ Half overlay 	<ul style="list-style-type: none"> ▶ Overlay ▶ Half overlay ▶ Inset
Screw-on version	Drill-in version	Screw-on version	Screw-on version
Yes	No	No	No
Yes	Yes	Yes	Yes
Plastic, grey	Plastic, grey	Plastic, grey	Plastic, grey

- ▶ For concealed hinges
- ▶ For Intermat

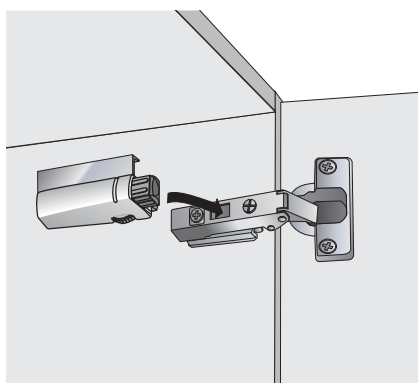
Silent System clip-on soft-closing element



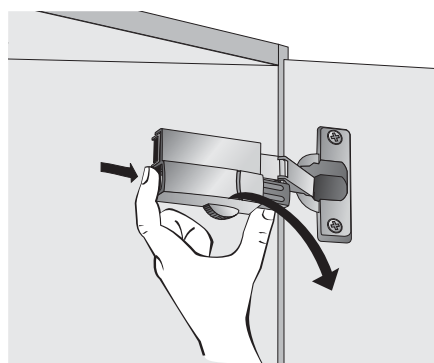
- ▶ For clipping on to the hinge arm
- ▶ Cushioning effect infinitely adjustable at setting wheel
- ▶ Toolless installation / removal
- ▶ Use two soft-close elements for doors weighing over 13.5 kg
- ▶ Easy to add on
- ▶ Zinc die-cast nickel-plated

Door-mounting option	Order no.	PU
Overlay	0 060 576	1/50 ea.
Half overlay	0 060 577	1/50 ea.
Inset	0 060 578	1/50 ea.

Mounting



Removal



Application

Hinge	0 060 576	0 060 577	0 060 578
Intermat 9943	Overlay	Half overlay	Inset
Intermat 9944	Overlay	Half overlay	-
Intermat 9936	Overlay	Half overlay	Inset

Optional soft closure Silent System

- ▶ For concealed hinges
- ▶ For Intermat

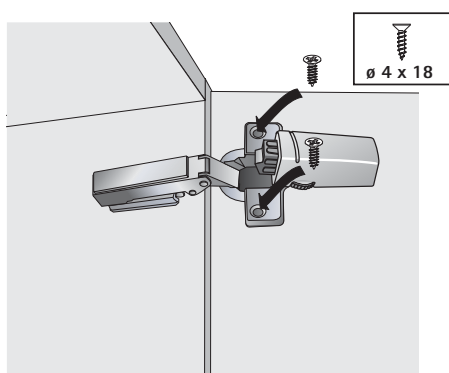
Silent System cushioner for hinge cup



- ▶ Screws onto hinge cup TH 42 (screw-on type) and TH 43 (press-in type)
- ▶ Cushioning effect infinitely adjustable at setting wheel
- ▶ Use two soft-close elements for doors weighing over 13.5 kg
- ▶ Can be retrofitted
- ▶ Zinc die-cast nickel-plated

For hinge	Order no.	PU
Intermat 9943 / 9944	0 060 581	1/50 ea.
Intermat 9936	9 146 514	1/50 ea.

Mounting



Application

Hinge	Type of mounting	Hinge cup
Intermat 9943	Overlay	TH 42 / TH 43
Intermat 9944	Overlay	TH 42 / TH 43
Intermat 9936	Overlay	TH 42 / TH 43

- ▶ For concealed hinges
- ▶ For Intermat

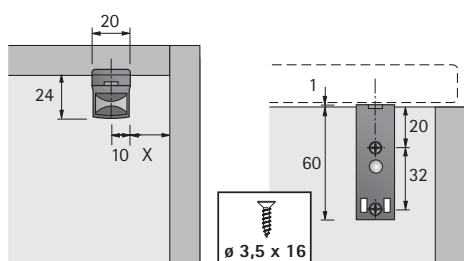
Silent System screw-on soft-closing element



- ▶ For screw-mounting to top or bottom cabinet panel
- ▶ Cushioning effect infinitely adjustable at setting wheel
- ▶ Mounted on hinge side
- ▶ Use two soft-close elements for doors weighing over 13.5 kg
- ▶ Can be retrofitted
- ▶ Zinc die-cast nickel-plated

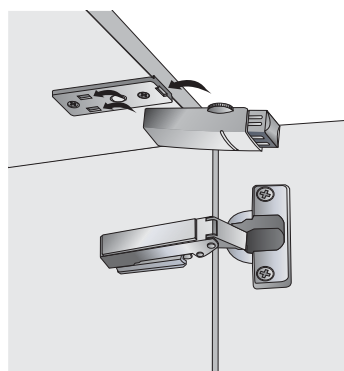
Door-mounting option	Order no.	PU
Overlay / Half overlay	0 060 579	1/50 ea.
Inset	0 060 580	1/50 ea.

Assembly drawing



Inset front: Drill holes must be set back by the thickness of the door + 1 mm
 Dimension X = Z + distance from mounting plate + hinge cranking

Mounting



Application

Hinge	Screw-on soft-closing element			Dimension Z mm - Door width up to mm		
	0 060 579	0 060 579	0 060 580	300	450	600
Intermat 9943	Overlay	Half overlay	Inset	10	18	24
Intermat 9944	Overlay	Half overlay	-	10	18	24
Intermat 9956	Overlay	Half overlay	-	26	34	40
Intermat 9936	Overlay	Half overlay	Inset	10	18	24
Intermat 9936 W20	Overlay	-	Inset	10	18	24
Intermat 9936 W30	Overlay	-	Inset	10	18	24
Intermat 9936 W45	Overlay	-	Inset	10	18	24
Intermat 9936 W90	Overlay	-	-	10	18	24

- ▶ For concealed hinges
- ▶ For Intermat

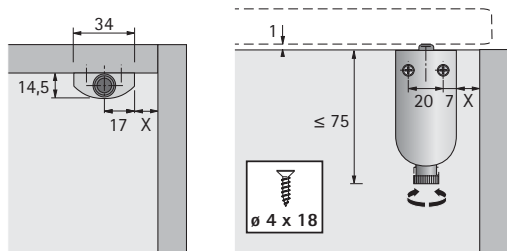
Silent System screw-on soft-closing element



- ▶ For screw-mounting to top or bottom cabinet panel
- ▶ Cushioning effect infinitely adjustable via setting screw
- ▶ Mounted on hinge side
- ▶ Use two soft-close elements for doors weighing over 13.5 kg
- ▶ Can be retrofitted
- ▶ Plastic, grey

Door-mounting option	Order no.	PU
Overlay / Half overlay	0 042 001	1/50 ea.
Inset	0 048 048	1/50 ea.

Assembly drawing



Inset front: Drill holes must be set back by the thickness of the door + 1 mm
Dimension X = distance from mounting plate + hinge cranking

Application

Hinge	0 042 001	0 042 001	0 048 048
Intermat 9943	Overlay	Half overlay	Inset
Intermat 9944	Overlay	Half overlay	-
Intermat 9956	Overlay	Half overlay	-
Intermat 9936	Overlay	Half overlay	Inset
Intermat 9936 W20	Overlay	-	Inset
Intermat 9936 W30	Overlay	-	Inset
Intermat 9936 W45	Overlay	Half overlay	Inset
Intermat 9936 W90	Overlay	-	-

- ▶ For concealed hinges
- ▶ For Intermat and SlideOn

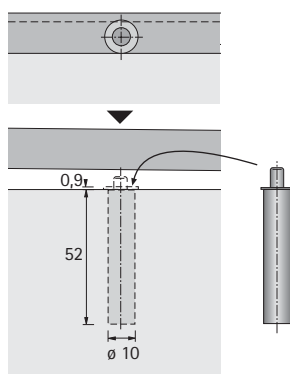
Universal Silent system hole-mounted soft-closing element



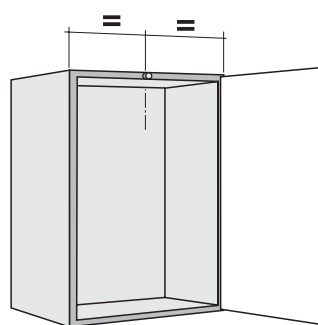
- ▶ For drilling into the top or bottom cabinet panel
- ▶ Can be used with Intermat and SlideOn concealed hinges
- ▶ Use two soft-close elements for doors weighing over 7.5 kg
- ▶ Can be retrofitted
- ▶ Plastic, grey

Door-mounting option	Order no.	PU
Overlay / Half overlay	0 060 685	1/50 ea.

Assembly drawing



Mounting



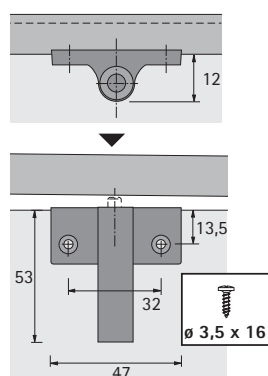
Universal Silent System screw-on soft-closing element



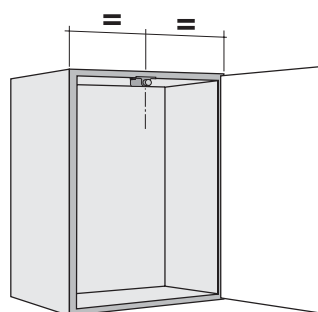
- ▶ For screw-mounting to top or bottom cabinet panel
- ▶ Can be used with Intermat and SlideOn concealed hinges
- ▶ Use two soft-close elements for doors weighing over 7.5 kg
- ▶ Can be retrofitted
- ▶ Plastic, grey

Door-mounting option	Order no.	PU
Overlay / Half overlay	0 060 687	1/50 ea.

Assembly drawing



Mounting



Optional soft closure Silent System

- ▶ For concealed hinges
- ▶ For Intermat and SlideOn

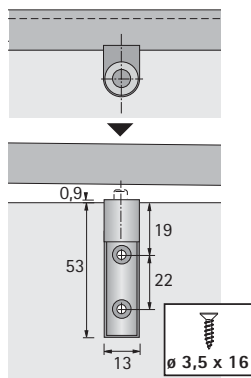
Universal Silent System linear screw-on soft-closing element



- ▶ For screw-mounting to top or bottom cabinet panel
- ▶ Can be used with Intermat and SlideOn concealed hinges
- ▶ Use two soft-close elements for doors weighing over 7.5 kg
- ▶ Can be retrofitted
- ▶ Plastic, grey

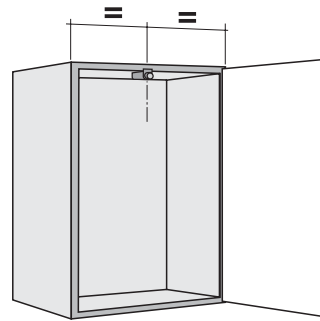
Door-mounting option	Order no.	PU
Overlay / Half overlay	0 060 686	1/50 ea.
Inset	0 069 846	1/50 ea.

Assembly drawing



Inset front: Drill holes must be set back by the thickness of the door + 1 mm

Mounting



Push to open system for opening handleless furniture fronts

► For concealed hinges



Handleless fronts are an essential feature of modern furnishing concepts, particularly in the upper-class market segment.

The surface becomes the main player: exquisite woods, fine lacquers, striking steel. Under the surface, Push to open technology ensures maximum convenience. A gentle press on the front - and the door opens as if of its own accord. And the door closes just as elegantly.



A gentle press on the front is all it takes - and the door opens automatically.



Intermat for Push to open - convenience for handleless fronts.



Gently push or pull the door - the Push to open Magnet XL reacts immediately and opens the door automatically.



Push to open Pin: A gentle press on the front and the door springs open all by itself.

Push to open system for opening handleless furniture fronts

- ▶ For concealed hinges
- ▶ Summary



Interimat fast-assembly concealed hinges with Push to open function
Range summary / Technical comparison

124 - 125



Push to open system for opening handleless furniture fronts
for use with Interimat fast-assembly concealed hinges
with Push to open function

Range summary / Technical comparison

124 - 125






Push to open system for opening handleless furniture fronts - universal
for use with concealed hinges of series Interimat, SlideOn and Perfekt

Range summary / Technical comparison

124 - 125

- ▶ For concealed hinges
- ▶ Range summary / Technical comparison

	Intermat Push to open	Magnet	Magnet XL
			
Page	126 - 139	140 - 141	142
Use	<ul style="list-style-type: none"> ▶ Intermat 9943P ▶ Intermat 9956P ▶ Intermat 9936P ▶ Intermat 9936P W30 ▶ Intermat 9936P W45 ▶ Intermat 9936P W90 	<ul style="list-style-type: none"> ▶ Intermat hinges with Push to open function 	<ul style="list-style-type: none"> ▶ Intermat hinges with Push to open function
Mounting option	<ul style="list-style-type: none"> ▶ Overlay ▶ Half overlay ▶ Inset 	<ul style="list-style-type: none"> ▶ Overlay ▶ Half overlay ▶ Inset (only with linear adapter) 	<ul style="list-style-type: none"> ▶ Overlay ▶ Half overlay
Installation	<ul style="list-style-type: none"> ▶ Arm: Fast assembly ▶ Cup assembly: <ul style="list-style-type: none"> - Screw-on version - Fix fast assembly 	<ul style="list-style-type: none"> ▶ Drill-in version ▶ Screw-on version (only with screw-on adapter) 	<ul style="list-style-type: none"> ▶ Screw-on version
Door height mm	-	300 - 900	900 - 1600
Door width mm	-	300 - 600	300 - 600
Optional equipment	<ul style="list-style-type: none"> ▶ Opening system Push to open ▶ Accessories 	<ul style="list-style-type: none"> ▶ Screw-on adapter ▶ Linear adapter 	

Push to open system for opening handleless furniture fronts



- ▶ For concealed hinges
- ▶ Range summary / Technical comparison

Magnet XL Linear	Pin	Universal mini	Universal maxi
			
143	144	145	145
<ul style="list-style-type: none"> ▶ Intermat hinges with Push to open function 	<ul style="list-style-type: none"> ▶ Intermat hinges with Push to open function 	<ul style="list-style-type: none"> ▶ Intermat ▶ SlideOn ▶ Perfekt 	<ul style="list-style-type: none"> ▶ Intermat ▶ SlideOn ▶ Perfekt
<ul style="list-style-type: none"> ▶ Overlay ▶ Half overlay ▶ Inset 	<ul style="list-style-type: none"> ▶ Overlay ▶ Half overlay 	<ul style="list-style-type: none"> ▶ Overlay ▶ Half overlay ▶ Inset (only with linear adapter) 	<ul style="list-style-type: none"> ▶ Overlay ▶ Half overlay ▶ Inset
<ul style="list-style-type: none"> ▶ Screw-on version 	<ul style="list-style-type: none"> ▶ Screw-on version 	<ul style="list-style-type: none"> ▶ Drill-in version 	<ul style="list-style-type: none"> ▶ Screw-on version
900 - 1600	300 - 2400	300 - 1600	300 - 2400
300 - 600	300 - 600	300 - 600	300 - 600
		<ul style="list-style-type: none"> ▶ Linear adapter 	

Fast-assembly concealed hinge with Push to open function

- ▶ **Intermat 9943P**
- ▶ **Opening angle 110°**



- ▶ Hinge with snap-on attachment and Push to open function
- ▶ Quality grades to EN 15570, Level 3
- ▶ For door thickness 15 - 25 mm
- ▶ Cup diameter 35 mm
- ▶ Cup depth 11.6 mm
- ▶ Integrated overlay adjustment + 1 mm / - 2.5 mm
- ▶ Integrated depth adjustment 4 mm
- ▶ Height adjustment at mounting plate
- ▶ Material of hinge arm: Steel, nickel-plated
- ▶ Material of hinge cup: Steel, nickel-plated

Intermat 9943P, opening angle 110°

Cup assembly	Drilling pattern	Overlay	Half overlay	Inset	PU
		Base B 12.5 mm (Cranking 0 mm)	Base B 3 mm (Cranking 9.5 mm)	Base B - 3.5 mm (Cranking 16 mm)	
Screw-on type TH 42		0 060 200	0 060 201	0 060 202	1/50 ea.
Fix fast assembly TH 45		0 060 209	0 060 210	0 060 211	1/50 ea.
Fix fast assembly TB 45		0 060 212	0 060 213	0 060 214	1/50 ea.

- ▶ **Intermat 9943P**
- ▶ **Opening angle 110°**

Minimum reveal per door

Door thickness mm	Cup distance C mm				
	3.0	4.0	4.5	5.0	6.0
15	0.4	0.4	0.4	0.4	0.4
16	0.6	0.5	0.5	0.5	0.5
17	0.8	0.7	0.7	0.7	0.7
18	1.0	1.0	1.0	1.0	0.9
19	1.4	1.3	1.3	1.2	1.2
20	1.7	1.7	1.6	1.6	1.5
21	2.2	2.1	2.0	2.0	1.9
22	2.9	2.6	2.5	2.4	2.3
23	3.7	3.3	3.2	3.0	2.8
24	4.5	4.1	3.9	3.7	3.4
25	5.4	4.9	4.7	4.5	4.1

Please note:

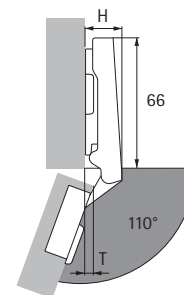
The values in the table refer to doors with an edge radius of 1 mm.

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 + 0.8 mm

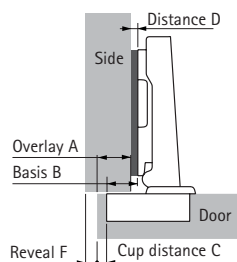
Protrusions / installation depth



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

Door-mounting option	H mm	T mm
Overlay	19.5	7.5
Half overlay	29.0	17.0
Inset	35.5	23.5

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
Distance D mm					
10	5.5	6.5	7.0	7.5	8.5
11	4.5	5.5	6.0	6.5	7.5
12	3.5	4.5	5.0	5.5	6.5
13	2.5	3.5	4.0	4.5	5.5
14	1.5	2.5	3.0	3.5	4.5
15	0.5	1.5	2.0	2.5	3.5
16		0.5	1.0	1.5	2.5
17			0.0	0.5	1.5
18					0.5

Half overlay

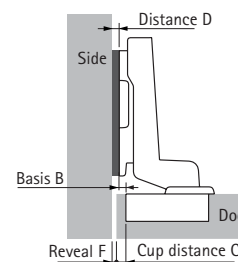


$$\text{Distance D} = \text{C} + \text{B} - \text{A}$$

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

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

Inset



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

$$= \text{cup distance C} - 3.5 \text{ mm} + \text{reveal F}$$

Door thickness mm	Cup distance C mm				
	3.0	4.0	4.5	5.0	6.0
Distance D mm					
15		0.9	1.4	1.9	2.9
16	0.1	1.0	1.5	2.0	3.0
17	0.3	1.2	1.7	2.2	3.2
18	0.5	1.5	2.0	2.5	3.4
19	0.9	1.8	2.3	2.7	3.7
20	1.2	2.2	2.6	3.1	4.0
21	1.7	2.6	3.0	3.5	4.3
22	2.4	3.1	3.5	3.9	4.8
23	3.2	3.8	4.2	4.5	5.3
24	4.0	4.6	4.9	5.2	5.9
25	4.9	5.4	5.7	6.0	6.6

Advice

Mounting plates and accessories, see page 48 - 51, 106 - 111

Push to open opening system, see page 124 - 125

Mounting solutions, fitting information, assembly notes and quality criteria, see page 160 - 168, 191

Fast-assembly concealed hinge with Push to open function

- ▶ **Intermat 9956P**
- ▶ **Opening angle 165°**



- ▶ Hinge with snap-on attachment and Push to open function
- ▶ Quality grades to EN 15570, Level 2
- ▶ For doors 16 - 24 mm thick
- ▶ Cup diameter 35 mm
- ▶ Cup depth 11.6 mm
- ▶ Integrated overlay adjustment + 1 mm / - 2.5 mm
- ▶ Integrated depth adjustment 4 mm
- ▶ Height adjustment at mounting plate
- ▶ Opening angle can be infinitely reduced to 120°, screw for limiting the opening angle, see page 110
- ▶ Overlay door without door protrusion, i.e. unobstructed interior for pull-outs (when using mounting plate D = 0 mm)
- ▶ Inset door: Hinge B 3 / K 9.5 (e.g. reveal = 1 mm, C = 4.5 mm, D = 8.5 mm)
- ▶ Material of hinge arm: Steel nickel-plated / Zinc die-cast nickel-plated
- ▶ Material of hinge cup: Steel, nickel-plated

Intermat 9956P, opening angle 165°

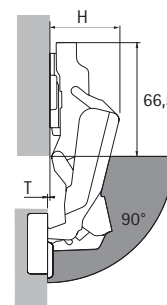
Cup assembly	Drilling pattern	Overlay	Half overlay	PU
		Base B 12.5 mm (Cranking 0 mm)	Base B 3 mm (Cranking 9.5 mm)	
Screw-on type TH 42		0 040 301	0 040 304	1/50 ea.
Fix fast assembly TH 45		0 040 302	0 040 305	1/50 ea.
Fix fast assembly TB 45		0 040 303	0 040 306	1/50 ea.

- ▶ **Intermat 9956P**
- ▶ **Opening angle 165°**

Minimum reveal per door

Door thickness mm	Cup distance C mm				
	3.0	4.0	4.5	5.0	6.0
16	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0
21	0.1	0.1	0.1	0.1	0.1
22	0.1	0.1	0.1	0.1	0.1
23	0.2	0.2	0.2	0.2	0.2
24	0.3	0.3	0.3	0.3	0.4

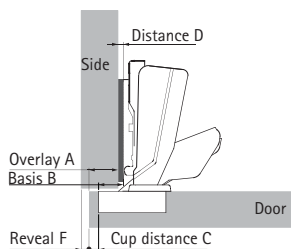
Protrusions / installation depth



No door protrusion T for distance D = 0 mm, unobstructed interior for pull-outs

Door-mounting option	H mm	T mm
Overlay	58.5	-0.8
Half overlay	68.0	8.7

Overlay

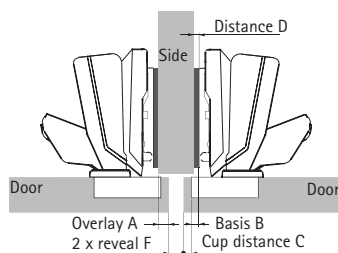


$$\text{Distance D} = \text{C} + \text{B} - \text{A}$$

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

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

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
Distance D mm					
- 2	8.0	9.0	9.5	10.0	11.0
- 1	7.0	8.0	8.5	9.0	10.0
0	6.0	7.0	7.5	8.0	9.0
1	5.0	6.0	6.5	7.0	8.0
2	4.0	5.0	5.5	6.0	7.0
3	3.0	4.0	4.5	5.0	6.0
4	2.0	3.0	3.5	4.0	5.0
5	1.0	2.0	2.5	3.0	4.0
6	0.0	1.0	1.5	2.0	3.0
7		0.0	0.5	1.0	2.0
8				0.0	1.0

▶ Advice

Mounting plates and accessories, see page 48 - 51, 106 - 111
 Push to open opening system, see page 124 - 125
 Mounting solutions, fitting information, assembly notes and quality criteria, see page 160 - 168, 191

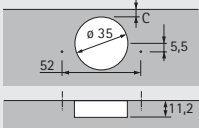
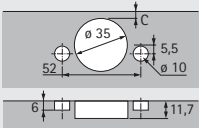
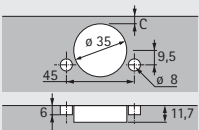
Fast-assembly concealed hinge with Push to open function

- ▶ **Intermat 9936P for profile doors**
- ▶ **Opening angle 95°**



- ▶ Hinge with snap-on attachment and Push to open function
- ▶ Quality grades to EN 15570, Level 2
- ▶ For door thickness 14 - 32 mm
- ▶ Cup diameter 35 mm
- ▶ Cup depth 11.1 mm (Fix 11.6 mm)
- ▶ Integrated overlay adjustment + 2.5 mm / - 2.5 mm
- ▶ Integrated depth adjustment 4 mm
- ▶ Height adjustment at mounting plate
- ▶ Material of hinge arm: Steel, nickel-plated
- ▶ Material of hinge cup: Steel, nickel-plated

Intermat 9936P, opening angle 95°

Cup assembly	Drilling pattern	Overlay	Half overlay	Inset	PU
		Base B 12.5 mm (Cranking 0 mm)	Base B 3 mm (Cranking 9.5 mm)	Base B - 3.5 mm (Cranking 16 mm)	
Screw-on type TH 42		0 060 215	0 060 216	0 060 217	1/50 ea.
Fix fast assembly TH 45		0 060 224	0 060 225	0 060 226	1/50 ea.
Fix fast assembly TB 45		0 060 227	0 060 228	0 060 229	1/50 ea.

Fast-assembly concealed hinge with Push to open function

- ▶ **Intermat 9936P for profile doors**
- ▶ **Opening angle 95°**

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	
14	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
15	0.3	0.2	0.2	0.2	0.2	0.2	0.2	
16	0.4	0.4	0.4	0.4	0.4	0.4	0.4	
17	0.5	0.5	0.5	0.5	0.5	0.5	0.5	
18	0.7	0.7	0.7	0.7	0.6	0.6	0.6	
19	0.9	0.9	0.9	0.8	0.8	0.8	0.8	
20	1.1	1.1	1.1	1.1	1.0	1.0	1.0	
21	1.4	1.3	1.3	1.3	1.3	1.2	1.2	
22	1.7	1.6	1.6	1.6	1.5	1.5	1.5	
23	2.0	1.9	1.9	1.9	1.8	1.8	1.7	
24	2.3	2.3	2.2	2.2	2.1	2.1	2.0	
25	2.8	2.7	2.6	2.6	2.5	2.4	2.4	
26	3.3	3.1	3.1	3.0	2.9	2.8	2.7	
27	4.2	3.7	3.6	3.5	3.3	3.2	3.1	
28	5.0	4.5	4.3	4.1	3.9	3.7	3.6	
29	5.9	5.4	5.2	4.9	4.6	4.3	4.1	
30	6.8	6.3	6.0	5.8	5.3	5.0	4.7	
31	7.8	7.2	6.9	6.6	6.1	5.7	5.4	
32	8.7	8.1	7.8	7.5	7.0	6.5	6.1	

Please note:

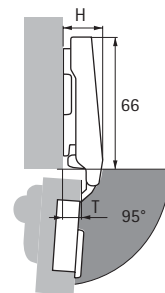
The values in the table refer to doors with an edge radius of 1 mm.

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 + 0.8 mm

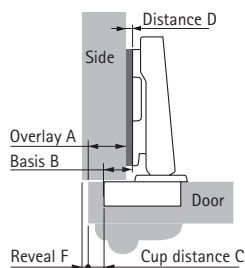
Protrusions / installation depth



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

Door-mounting option	H mm	T mm
Overlay	19.5	10.0
Half overlay	29.0	19.5
Inset	35.5	26.0

Overlay

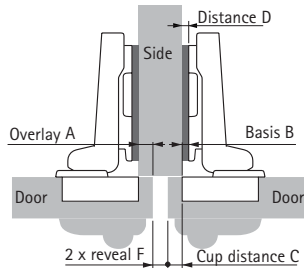


$$\text{Distance D} = \text{C} + \text{B} - \text{A}$$

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

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

Half overlay

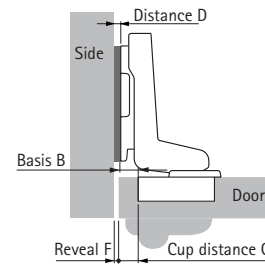


$$\text{Distance D} = \text{C} + \text{B} - \text{A}$$

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

Overlay mm	Cup distance C mm							
	3.0	4.0	4.5	5.0	6.0	7.0	8.0	
Distance D mm								
0	6.0	7.0	7.5	8.0	9.0	10.0	11.0	
1	5.0	6.0	6.5	7.0	8.0	9.0	10.0	
2	4.0	5.0	5.5	6.0	7.0	8.0	9.0	
3	3.0	4.0	4.5	5.0	6.0	7.0	8.0	
4	2.0	3.0	3.5	4.0	5.0	6.0	7.0	
5	1.0	2.0	2.5	3.0	4.0	5.0	6.0	
6	0.0	1.0	1.5	2.0	3.0	4.0	5.0	
7		0.0	0.5	1.0	2.0	3.0	4.0	
8				0.0	1.0	2.0	3.0	
9					0.0	1.0	2.0	
10						0.0	1.0	
11							0.0	

Inset



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

$$= \text{cup distance C} - 3.5 \text{ mm} + \text{reveal F}$$

Door thickness mm	Cup distance C mm							
	3.0	4.0	4.5	5.0	6.0	7.0	8.0	
Distance D mm								
14	0.7	1.2	1.7	2.7	3.7	4.7		
15	0.7	1.2	1.7	2.7	3.7	4.7		
16	0.9	1.4	1.9	2.9	3.9	4.9		
17	0.0	1.0	1.5	2.0	3.0	4.0	5.0	
18	0.2	1.2	1.7	2.2	3.1	4.1	5.1	
19	0.4	1.4	1.9	2.3	3.3	4.3	5.3	
20	0.6	1.6	2.1	2.6	3.5	4.5	5.5	
21	0.9	1.8	2.3	2.8	3.8	4.7	5.7	
22	1.2	2.1	2.6	3.1	4.0	5.0	6.0	
23	1.5	2.4	2.9	3.4	4.3	5.3	6.2	
24	1.8	2.8	3.2	3.7	4.6	5.6	6.5	
25	2.3	3.2	3.6	4.1	5.0	5.9	6.9	
26	2.8	3.6	4.1	4.5	5.4	6.3	7.2	
27	3.7	4.2	4.6	5.0	5.8	6.7	7.6	
28	4.5	5.0	5.3	5.6	6.4	7.2	8.1	
29	5.4	5.9	6.2	6.4	7.1	7.8	8.6	
30	6.3	6.8	7.0	7.3	7.8	8.5	9.2	
31	7.3	7.7	7.9	8.1	8.6	9.2	9.9	
32	8.2	8.6	8.8	9.0	9.5	10.0	10.6	

Advice

Mounting plates and accessories, see page 48 - 51, 106 - 111

Push to open opening system, see page 124 - 125

Mounting solutions, fitting information, assembly notes and quality criteria, see page 160 - 168, 191



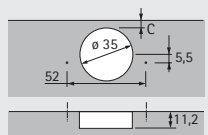
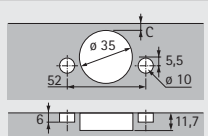
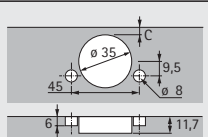
Fast-assembly concealed hinge with Push to open function

- ▶ **Intermat 9936P W30 for profile doors**
- ▶ **For face angle 30°, opening angle 95°**



- ▶ Hinge with snap-on attachment and Push to open function
- ▶ Quality grades to EN 15570, Level 2
- ▶ For 30° face angle
- ▶ For door thickness 14 - 32 mm
- ▶ Cup diameter 35 mm
- ▶ Cup depth 11.1 mm (Fix 11.6 mm)
- ▶ Integrated overlay adjustment + 2 mm / - 2.5 mm
- ▶ Integrated depth adjustment 4 mm
- ▶ Height adjustment at mounting plate
- ▶ Material of hinge arm: Die-cast zinc nickel-plated
- ▶ Material of hinge cup: Steel, nickel-plated

Intermat 9936P W30, opening angle 95°

Cup assembly	Drilling pattern	Overlay  Base B 7 mm (Cranking 7 mm)	Inset  Base B - 10 mm (Cranking - 10 mm)	PU
Screw-on type TH 42		0 040 246	0 040 250	1/50 ea.
Fix fast assembly TH 45		0 040 248	0 040 251	1/50 ea.
Fix fast assembly TB 45		0 040 249	0 040 252	1/50 ea.

- ▶ **Intermat 9936P W30 for profile doors**
- ▶ **For face angle 30°, opening angle 95°**

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
14	0.2	0.2	0.2	0.2	0.2	0.2	0.2
15	0.3	0.2	0.2	0.2	0.2	0.2	0.2
16	0.4	0.4	0.4	0.4	0.4	0.4	0.4
17	0.5	0.5	0.5	0.5	0.5	0.5	0.5
18	0.7	0.7	0.7	0.7	0.6	0.6	0.6
19	0.9	0.9	0.9	0.8	0.8	0.8	0.8
20	1.1	1.1	1.1	1.1	1.0	1.0	1.0
21	1.4	1.3	1.3	1.3	1.3	1.2	1.2
22	1.7	1.6	1.6	1.6	1.5	1.5	1.5
23	2.0	1.9	1.9	1.9	1.8	1.8	1.7
24	2.3	2.3	2.2	2.2	2.1	2.1	2.0
25	2.8	2.7	2.6	2.6	2.5	2.4	2.4
26	3.3	3.1	3.1	3.0	2.9	2.8	2.7
27	4.2	3.7	3.6	3.5	3.3	3.2	3.1
28	5.0	4.5	4.3	4.1	3.9	3.7	3.6
29	5.9	5.4	5.2	4.9	4.6	4.3	4.1
30	6.8	6.3	6.0	5.8	5.3	5.0	4.7
31	7.8	7.2	6.9	6.6	6.1	5.7	5.4
32	8.7	8.1	7.8	7.5	7.0	6.5	6.1

Please 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 + 0.8 mm

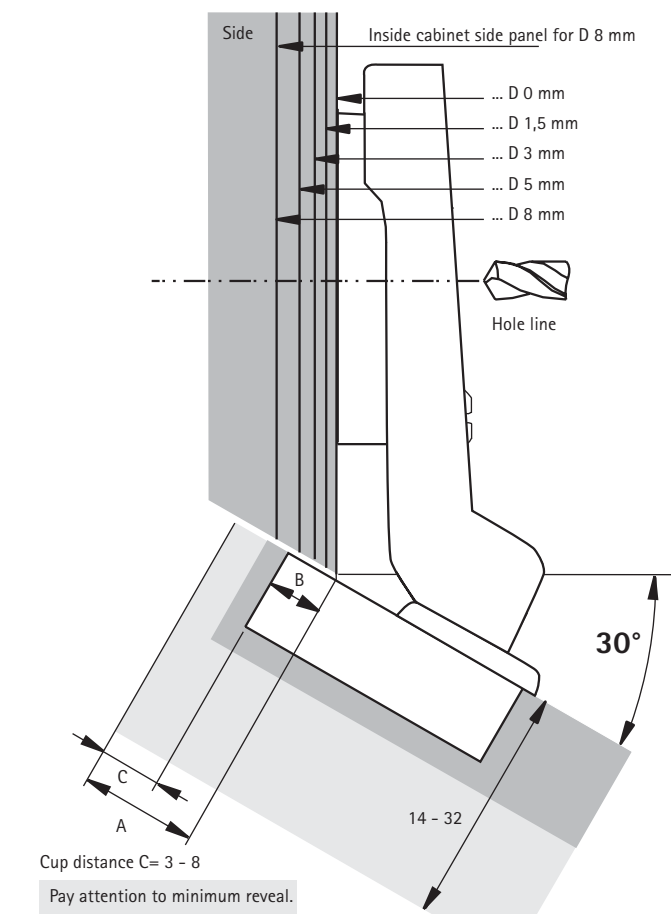
Note

The drawings below show the hinges including mounting plate distances on a scale of 1:1. The door reveal can be measured directly from the individual distance lines by drawing in the required cup distance C (3 - 8 mm).
 To determine the position for securing the mounting plate, measure along the selected distance line from the carcass front edge to the corresponding marking line for the line of holes.
 Depending on door thickness and cup distance C, the required minimum reveal must be taken into account as shown in the table.

Overlay - Scale 1:1

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

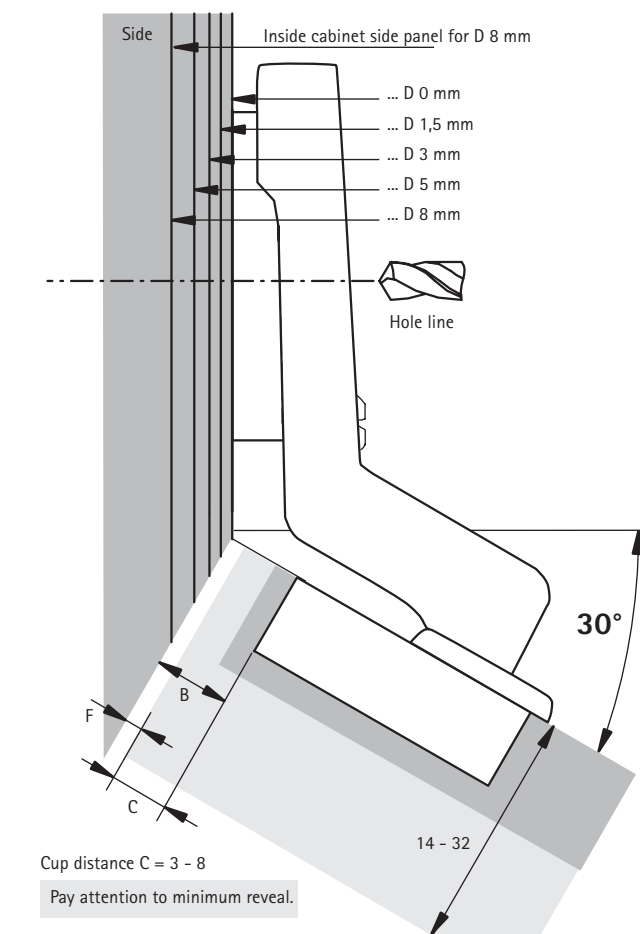
$$= 0.87 \times (\text{cup distance C} + 7 \text{ mm} - \text{overlay A})$$



Inset - Scale 1:1

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

$$= 0.87 \times (\text{cup distance C} - 10 \text{ mm} + \text{reveal F})$$



Advice

Mounting plates and accessories, see page 48 - 51, 106 - 111
 Push to open opening system, see page 124 - 125
 Mounting solutions, fitting information, assembly notes and quality criteria, see page 160 - 168, 191




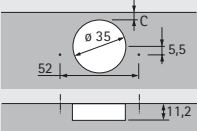
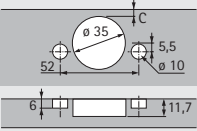
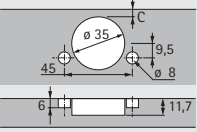
Fast-assembly concealed hinge with Push to open function

- ▶ **Intermat 9936P W45 for profile doors**
- ▶ **For face angle 45°, opening angle 95°**



- ▶ Hinge with snap-on attachment and Push to open function
- ▶ Quality grades to EN 15570, Level 2
- ▶ For 45° face angle
- ▶ For door thickness 14 - 32 mm
- ▶ Cup diameter 35 mm
- ▶ Cup depth 11.1 mm (Fix 11.6 mm)
- ▶ Integrated overlay adjustment + 2 mm / - 2.5 mm
- ▶ Integrated depth adjustment 4 mm
- ▶ Height adjustment at mounting plate
- ▶ Material of hinge arm: Die-cast zinc nickel-plated
- ▶ Material of hinge cup: Steel, nickel-plated

Intermat 9936P W45, opening angle 95°

Cup assembly	Drilling pattern	Overlay		Inset	PU
					
		Base B 6 mm (Cranking 6 mm)	Base B 0 mm (Cranking 0 mm)	Base B - 17 mm (Cranking - 17 mm)	
Screw-on type TH 42		0 040 256	0 040 253	0 040 259	1/50 ea.
Fix fast assembly TH 45		0 040 257	0 040 254	0 040 260	1/50 ea.
Fix fast assembly TB 45		0 040 258	0 040 255	0 040 261	1/50 ea.

Fast-assembly concealed hinge with Push to open function

- ▶ Intermat 9936P W45 for profile doors
- ▶ For face angle 45°, opening angle 95°

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	
14	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
15	0.3	0.2	0.2	0.2	0.2	0.2	0.2	
16	0.4	0.4	0.4	0.4	0.4	0.4	0.4	
17	0.5	0.5	0.5	0.5	0.5	0.5	0.5	
18	0.7	0.7	0.7	0.7	0.6	0.6	0.6	
19	0.9	0.9	0.9	0.8	0.8	0.8	0.8	
20	1.1	1.1	1.1	1.1	1.0	1.0	1.0	
21	1.4	1.3	1.3	1.3	1.3	1.2	1.2	
22	1.7	1.6	1.6	1.6	1.5	1.5	1.5	
23	2.0	1.9	1.9	1.9	1.8	1.8	1.7	
24	2.3	2.3	2.2	2.2	2.1	2.1	2.0	
25	2.8	2.7	2.6	2.6	2.5	2.4	2.4	
26	3.3	3.1	3.1	3.0	2.9	2.8	2.7	
27	4.2	3.7	3.6	3.5	3.3	3.2	3.1	
28	5.0	4.5	4.3	4.1	3.9	3.7	3.6	
29	5.9	5.4	5.2	4.9	4.6	4.3	4.1	
30	6.8	6.3	6.0	5.8	5.3	5.0	4.7	
31	7.8	7.2	6.9	6.6	6.1	5.7	5.4	
32	8.7	8.1	7.8	7.5	7.0	6.5	6.1	

Please 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 + 0.8 mm

Note

The drawings below show the hinges including mounting plate distances on a scale of 1:1. The door reveal can be measured directly from the individual distance lines by drawing in the required cup distance C (3 - 8 mm).

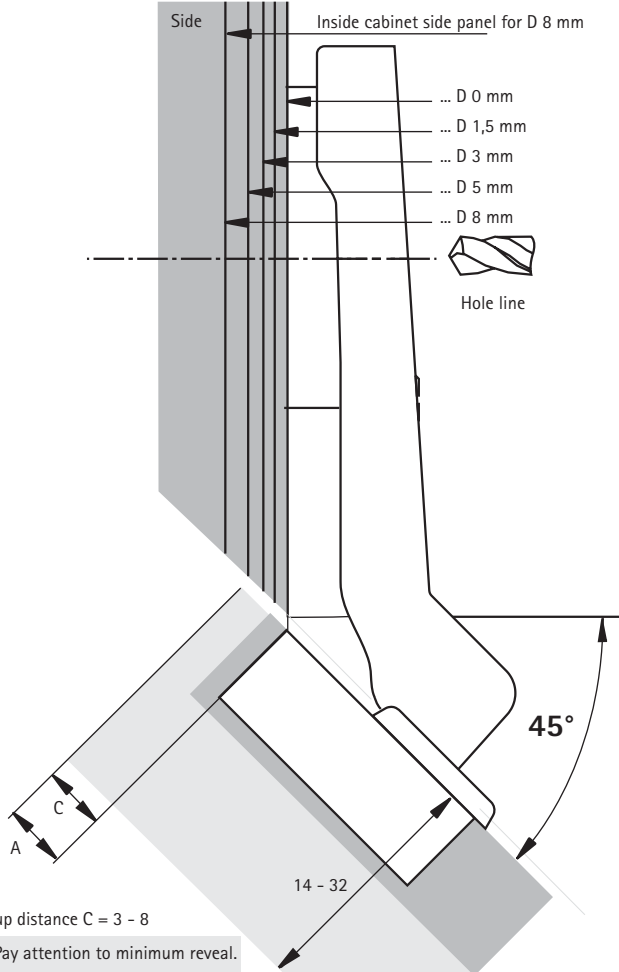
To determine the position for securing the mounting plate, measure along the selected distance line from the carcass front edge to the corresponding marking line for the line of holes.

Depending on door thickness and cup distance C, the required minimum reveal must be taken into account as shown in the table.

Overlay - Scale 1:1

$$\text{Distance D} = 0.71 \times (\text{C} + \text{B} - \text{A})$$

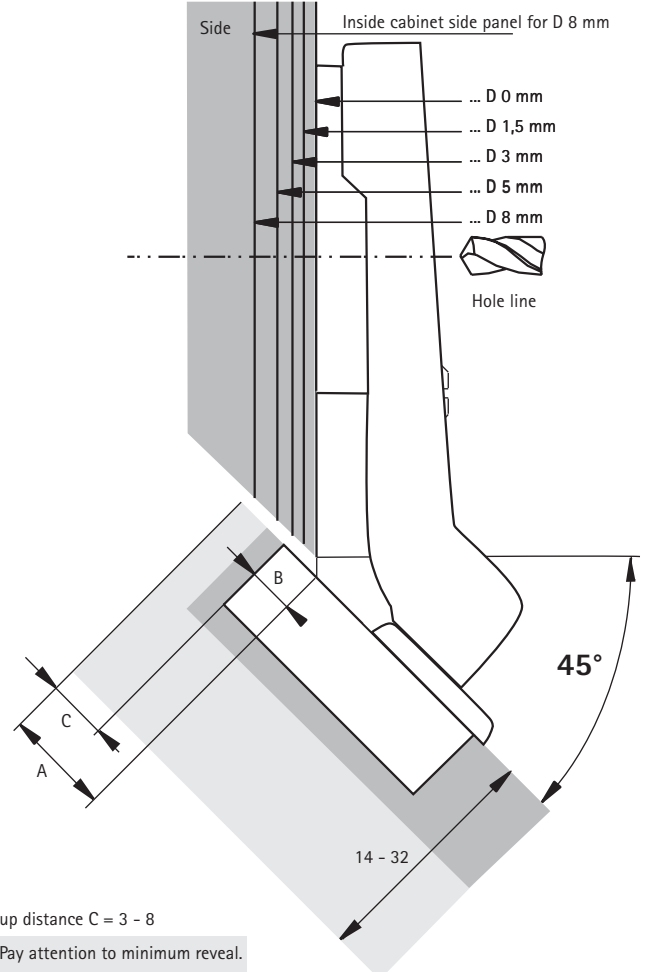
$$= 0.71 \times (\text{cup distance C} + 0 \text{ mm} - \text{overlay A})$$



Overlay - Scale 1:1

$$\text{Distance D} = 0.71 \times (\text{C} + \text{B} - \text{A})$$

$$= 0.71 \times (\text{cup distance C} + 6 \text{ mm} - \text{overlay A})$$



Advice

- Mounting plates and accessories, see page 48 - 51, 106 - 111
- Push to open opening system, see page 124 - 125
- Mounting solutions, fitting information, assembly notes and quality criteria, see page 160 - 168, 191

Fast-assembly concealed hinge with Push to open function

- ▶ **Intermat 9936P W45 for profile doors**
- ▶ **For face angle 45°, opening angle 95°**

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
14	0.2	0.2	0.2	0.2	0.2	0.2	0.2
15	0.3	0.2	0.2	0.2	0.2	0.2	0.2
16	0.4	0.4	0.4	0.4	0.4	0.4	0.4
17	0.5	0.5	0.5	0.5	0.5	0.5	0.5
18	0.7	0.7	0.7	0.7	0.6	0.6	0.6
19	0.9	0.9	0.9	0.8	0.8	0.8	0.8
20	1.1	1.1	1.1	1.1	1.0	1.0	1.0
21	1.4	1.3	1.3	1.3	1.3	1.2	1.2
22	1.7	1.6	1.6	1.6	1.5	1.5	1.5
23	2.0	1.9	1.9	1.9	1.8	1.8	1.7
24	2.3	2.3	2.2	2.2	2.1	2.1	2.0
25	2.8	2.7	2.6	2.6	2.5	2.4	2.4
26	3.3	3.1	3.1	3.0	2.9	2.8	2.7
27	4.2	3.7	3.6	3.5	3.3	3.2	3.1
28	5.0	4.5	4.3	4.1	3.9	3.7	3.6
29	5.9	5.4	5.2	4.9	4.6	4.3	4.1
30	6.8	6.3	6.0	5.8	5.3	5.0	4.7
31	7.8	7.2	6.9	6.6	6.1	5.7	5.4
32	8.7	8.1	7.8	7.5	7.0	6.5	6.1

Please 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 + 0.8 mm

Note

The drawings below show the hinges including mounting plate distances on a scale of 1:1. The door reveal can be measured directly from the individual distance lines by drawing in the required cup distance C (3 - 8 mm).

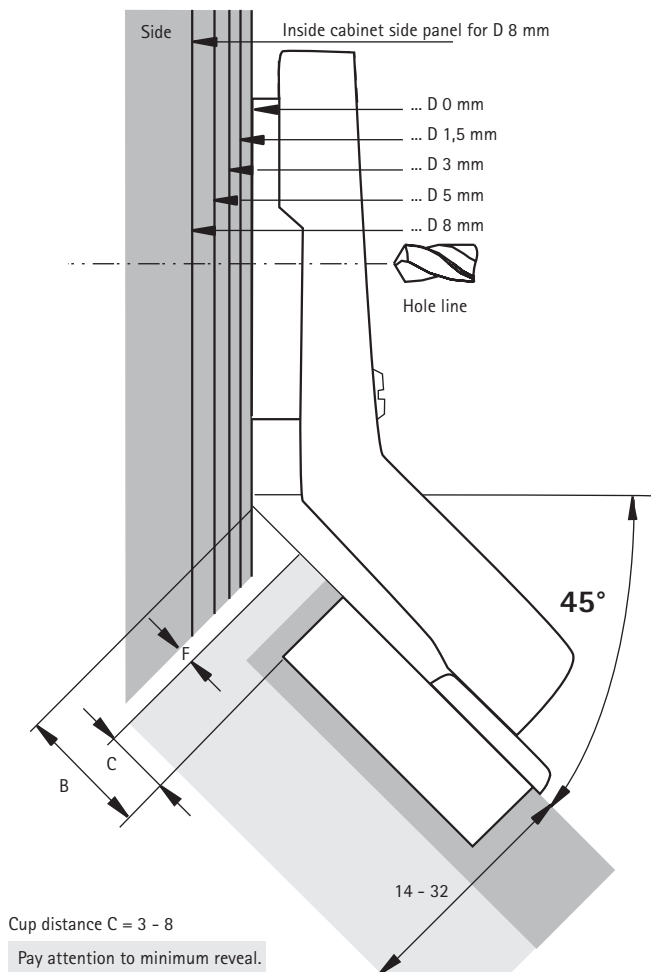
To determine the position for securing the mounting plate, measure along the selected distance line from the carcass front edge to the corresponding marking line for the line of holes.

Depending on door thickness and cup distance C, the required minimum reveal must be taken into account as shown in the table.

Inset - Scale 1:1

$$\text{Distance D} = 0.71 \times (\text{C} + \text{B} + \text{F})$$

$$= 0.71 \times (\text{cup distance C} - 17 \text{ mm} + \text{reveal F})$$



▶ Advice

Mounting plates and accessories, see page 48 - 51, 106 - 111

Push to open opening system, see page 124 - 125

Mounting solutions, fitting information, assembly notes and quality criteria, see page 160 - 168, 191

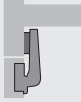
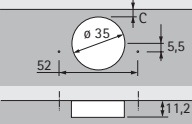
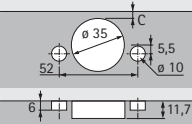
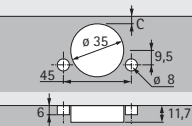
Fast-assembly concealed hinge with Push to open function

- ▶ Intermat 9936P W90 for profile doors
- ▶ For face angle 90°, opening angle 95°



- ▶ Hinge with snap-on attachment and Push to open function
- ▶ Quality grades to EN 15570, Level 2
- ▶ For 90° face angle
- ▶ For door thickness 14 - 28 mm
- ▶ Cup diameter 35 mm
- ▶ Cup depth 11.1 mm (Fix 11.6 mm)
- ▶ Integrated adjustment of door offset + 2 mm / - 2.5 mm
- ▶ Integrated reveal adjustment 4 mm
- ▶ Height adjustment at mounting plate
- ▶ Material of hinge arm: Die-cast zinc nickel-plated
- ▶ Material of hinge cup: Steel, nickel-plated

Intermat 9936P W90, opening angle 95°

		Inset	
Cup assembly	Drilling pattern		Base B 5 mm (Cranking 5 mm)
Screw-on type TH 42		0 040 262	1/50 ea.
Fix fast assembly TH 45		0 040 263	1/50 ea.
Fix fast assembly TB 45		0 040 264	1/50 ea.

- ▶ **Intermat 9936P W90 for profile doors**
- ▶ **For face angle 90°, opening angle 95°**

Minimum reveal per door

Door thickness mm	Cup distance C mm					
	3.0	4.0	4.5	5.0	6.0	7.0
14	0.2	0.2	0.2	0.2	0.2	0.2
15	0.3	0.2	0.2	0.2	0.2	0.2
16	0.4	0.4	0.4	0.4	0.4	0.4
17	0.5	0.5	0.5	0.5	0.5	0.5
18	0.7	0.7	0.7	0.7	0.6	0.6
19	0.9	0.9	0.9	0.8	0.8	0.8
20	1.1	1.1	1.1	1.1	1.0	1.0
21	1.4	1.3	1.3	1.3	1.3	
22	1.7	1.6	1.6	1.6	1.5	
23	2.0	1.9	1.9	1.9	1.8	
24	2.3	2.3	2.2	2.2	2.1	
25	2.8	2.7	2.6	2.6		
26	3.3	3.1	3.1			
27	4.2	3.7	3.6			
28	5.0					

Please 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 + 0.8 mm

Note

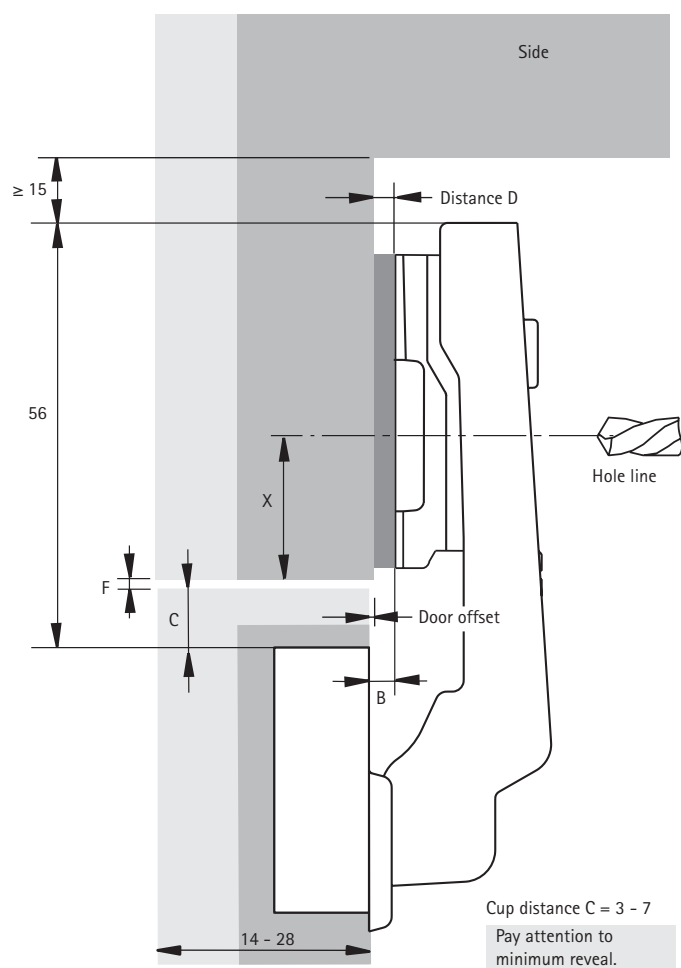
Calculation of the required mounting-plate distance D and hole-line distance X to be observed:
The measurements must be taken from the drawing or table below in accordance with the required door offset, cup distance C (3 - 7 mm) and reveal F.
The values stated for the hole-line distance X apply when using a cross mounting plate.

Distance D = 5 mm must be selected for door offset 0 mm

Hole-line distance X
= 28 mm - Cup distance C - Reveal F

Inset - Scale 1:1

Distance D = 5 mm - door offset



Reveal mm	Determination of hole-line distance X mm					
	Cup distance C mm					
	3.0	4.0	4.5	5.0	6.0	7.0
0.5	24.5	23.5	23.0	22.0	21.5	20.5
1.0	24.0	23.0	22.5	21.5	21.0	20.0
1.5	23.5	22.5	22.0	21.0	20.5	
2.0	23.0	22.0	21.5	20.5	20.0	
2.5	22.5	21.5	21.0	20.0		
3.0	22.0	21.0	20.5			
3.5	21.5	20.5	20.0			
4.0	21.0	20.0				
4.5	20.5					
5.0	20.0					

Advice

Mounting plates and accessories, see page 48 - 51, 106 - 111

Push to open opening system, see page 124 - 125

Mounting solutions, fitting information, assembly notes and quality criteria, see page 160 - 168, 191

- ▶ For concealed hinges
- ▶ For Intermat fast-assembly concealed hinges with Push to open function

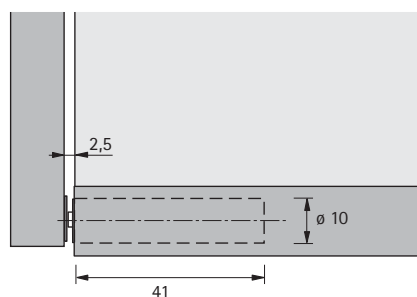
Push to open Magnet



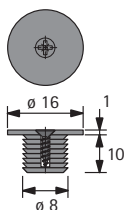
- ▶ Opening system for handleless furniture fronts
- ▶ Suitable for use with Intermat with Push to open function, see page 124
- ▶ For door widths of 300 - 600 mm and door heights of 300 - 900 mm
- ▶ Magnetic self-closing feature
- ▶ Complete with self-adhesive counterplate (alternatively, a press-in counterplate can be used on surface with reduced adhesion, such as oiled wood surfaces).
- ▶ Screw-on adapter, see page 141
- ▶ Plastic, natural colour

Door-mounting option	Order no.	PU
Overlay / Half overlay	0 060 230	1/25 ea.

Assembly drawing



Counterplate with socket



- ▶ Knock-in type for hole $\varnothing 8 \times 10$ mm
- ▶ Can be used for all Push to open with magnetic self-closing
- ▶ For surfaces with reduced adhesion (e.g. oiled or waxed wood)

Order no.	PU
0 045 550	1/25 ea.

Push to open system for opening handleless furniture fronts

- ▶ For concealed hinges
- ▶ For Intermat fast-assembly concealed hinges with Push to open function

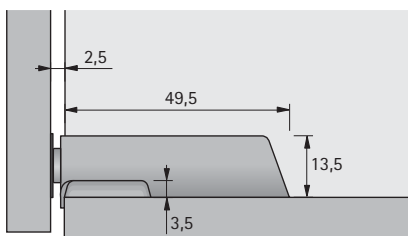
Screw-on adapter for Push to open Magnet



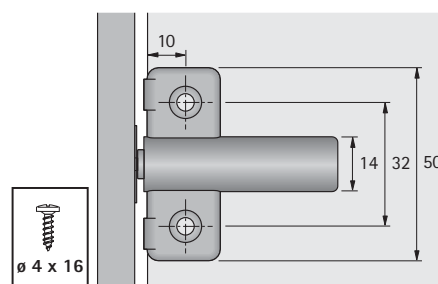
- ▶ For use with Push to open Magnet, Order No. 0 060 230 (must be ordered separately, see page 124)
- ▶ Plastic, grey

Door-mounting option	Order no.	PU
Overlay / Half overlay	0 060 231	1/25 ea.

Assembly drawing



Assembly drawing



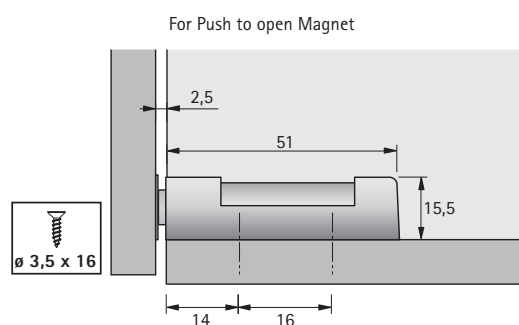
Linear adapter for Push to open Magnet and Push to open Universal mini



- ▶ For use with Push to open Magnet, Order No. 0 060 230, or Push to open Universal mini, Order No. 9 079 397 (must be ordered separately, see page 140 or page 145)
- ▶ Plastic, grey

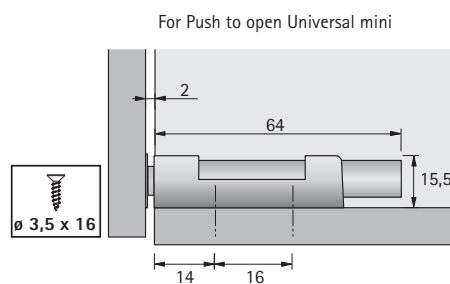
Door-mounting option	Order no.	PU
Overlay / Half overlay / Inset	0 040 309	1/25 ea.

Assembly drawing



Inset front: Drill holes must be set back by the thickness of the door + reveal

Assembly drawing



- ▶ For concealed hinges
- ▶ For Intermat fast-assembly concealed hinges with Push to open function

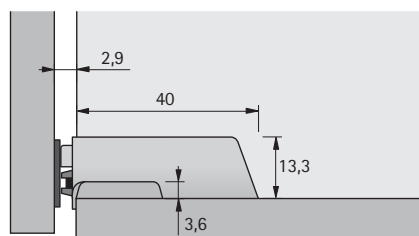
Push to open Magnet XL



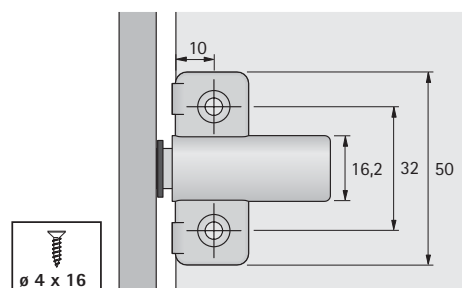
- ▶ Opening system for handleless furniture fronts
- ▶ Suitable for use with Intermat with Push to open function, see page 124
- ▶ For door widths of 300 - 600 mm and door heights of 900 - 1600 mm
- ▶ Magnetic self-closing feature
- ▶ Complete with self-adhesive counterplate (alternatively, a press-in counterplate can be used on surface with reduced adhesion, such as oiled wood surfaces).
- ▶ Plastic, grey

Door-mounting option	Order no.	PU
Overlay / Half overlay	0 040 307	1/25 ea.

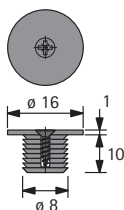
Assembly drawing



Assembly drawing



Counterplate with socket



- ▶ Knock-in type for hole $\varnothing 8 \times 10$ mm
- ▶ Can be used for all Push to open with magnetic self-closing
- ▶ For surfaces with reduced adhesion (e.g. oiled or waxed wood)

Order no.	PU
0 045 550	1/25 ea.

Push to open system for opening handleless furniture fronts

- ▶ For concealed hinges
- ▶ For Intermat fast-assembly concealed hinges with Push to open function

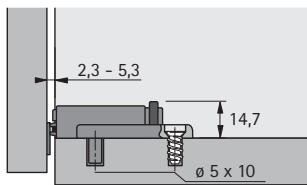
Push to open Magnet XL Linear



- ▶ Opening system for handleless furniture fronts
- ▶ Suitable for use with Intermat with Push to open function, see page 124
- ▶ For door widths of 300 - 600 mm and door heights of 900 - 1600 mm
- ▶ Magnetic self-closing feature
- ▶ Complete with self-adhesive counterplate (alternatively, a press-in counterplate can be used on surface with reduced adhesion, such as oiled wood surfaces).
- ▶ Plastic, grey

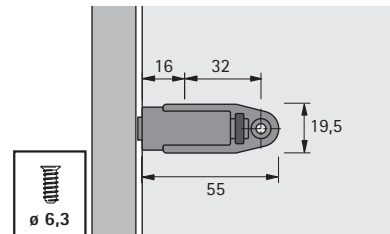
Door-mounting option	Order no.	PU
Overlay / Half overlay / Inset	0 040 308	1/25 ea.

Assembly drawing

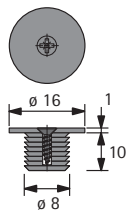


Inset front: Drill holes must be set back by the thickness of the door + reveal
Adjustment of the door reveal from 2.3 - 5.3 mm

Assembly drawing



Counterplate with socket



- ▶ Knock-in type for hole ø 8 x 10 mm
- ▶ Can be used for all Push to open with magnetic self-closing
- ▶ For surfaces with reduced adhesion (e.g. oiled or waxed wood)

Order no.	PU
0 045 550	1/25 ea.

- ▶ For concealed hinges
- ▶ For Intermat fast-assembly concealed hinges with Push to open function

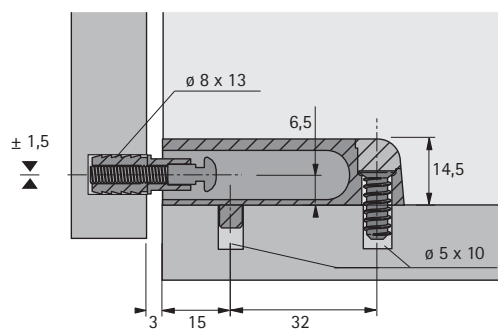
Push to open Pin



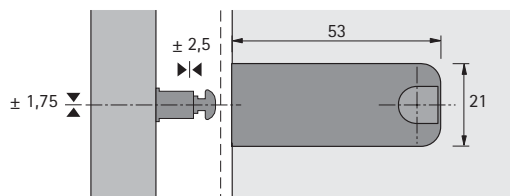
- ▶ Opening system for handleless furniture fronts
- ▶ Suitable for use with Intermat with Push to open function, see page 124
- ▶ For door widths of 300 - 600 mm and door heights of 300 - 2400 mm
- ▶ Self-closing mechanism
- ▶ Plastic, grey

Door-mounting option	Order no.	PU
Overlay / Half overlay	0 060 232	1/25 ea.

Assembly drawing



Assembly drawing



Push to open system for opening handleless furniture fronts

- ▶ For concealed hinges
- ▶ For Intermat, SlideOn and Perfekt

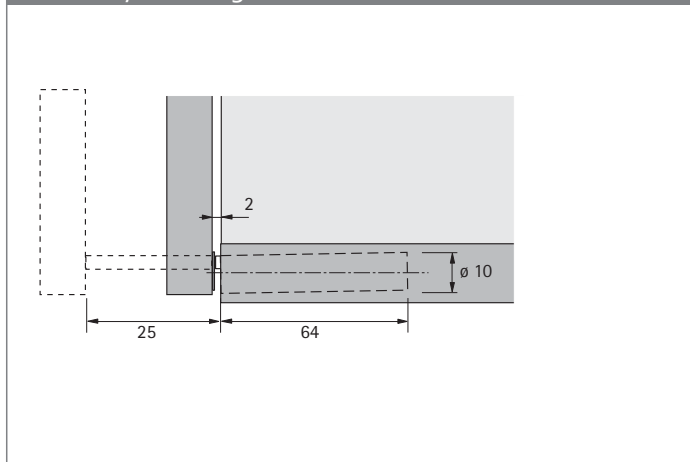
Push to open Universal mini



- ▶ Opening system for handleless furniture fronts
- ▶ Can be used with Intermat, SlideOn and Perfekt concealed hinges
- ▶ For door widths of 300 - 600 mm and door heights of 300 - 1600 mm
- ▶ Drill-in type
- ▶ Linear adapter for screw-on mounting, see page 141
- ▶ Plastic, grey

Door-mounting option	Order no.	PU
Overlay / Half overlay	9 079 397	1/25 ea.

Assembly drawing



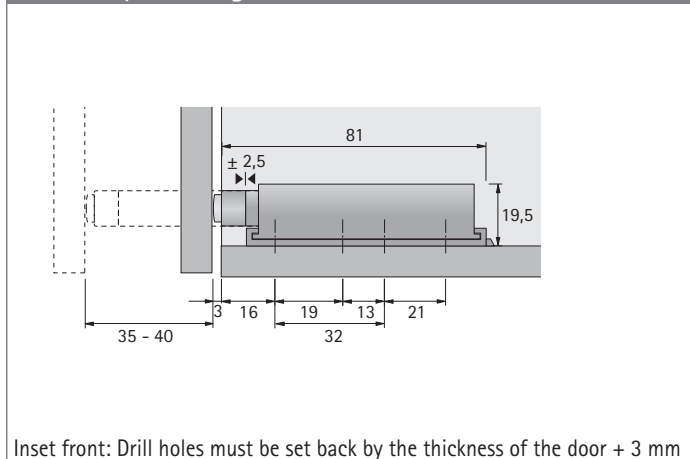
Push to open Universal maxi



- ▶ Opening system for handleless furniture fronts
- ▶ Can be used with Intermat, SlideOn and Perfekt concealed hinges
- ▶ For door widths of 300 - 600 mm and door heights of 300 - 2400 mm
- ▶ Plastic, grey

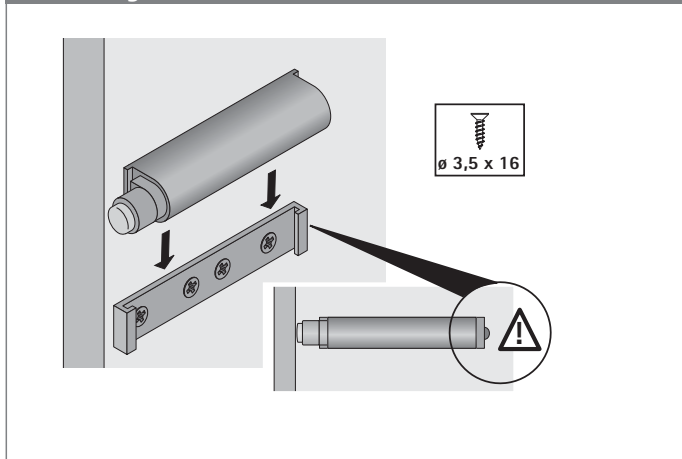
Door-mounting option	Order no.	PU
Overlay / Half overlay / Inset	0 060 233	1/25 ea.

Assembly drawing



Inset front: Drill holes must be set back by the thickness of the door + 3 mm

Mounting



Concealed hinges

► Slide-on concealed hinge SlideOn



Easy installation and convenience in standard applications: SlideOn from Hettich. With the high quality of an all-steel

fitting. Its double spring action lets SlideOn open and close cabinet doors safely at all times.



95° opening angle with double spring action



Slide-on system for easy assembly



Silent System lets doors close quietly and gently.

Concealed hinges

- ▶ Slide-on concealed hinge SlideOn
- ▶ Summary



SlideOn
SlideOn 2333, opening angle 95°

148 - 149



Mounting plates System 2006
for slide-on concealed hinge SlideOn and flap hinge Markant 7.1

150



Accessories

151



Optional soft closure Silent System
Summary

112 - 113



Push to open system for opening handleless furniture fronts
Summary

122 - 123



Technical Information

- ▶ Fitting information
- ▶ Assembly notes
- ▶ Quality criteria

162 - 163

164 - 168

191



Assembly aids

2681

Slide-on concealed hinge

- ▶ SlideOn 2333
- ▶ Opening angle 95°



- ▶ Concealed hinge with slide-on attachment
- ▶ Quality grades to EN 15570, Level 2
- ▶ For door thickness 14 - 25 mm
- ▶ Cup diameter 35 mm
- ▶ Cup depth 11.1 mm
- ▶ Integrated overlay adjustment + 0.5 mm / - 2.5 mm
- ▶ Integrated depth adjustment + 2 mm / - 2 mm
- ▶ Height adjustment at mounting plate
- ▶ Material of hinge arm: Steel, nickel-plated
- ▶ Material of hinge cup: Steel, nickel-plated

SlideOn 2333, opening angle 95°

Cup assembly	Drilling pattern	Overlay	Half overlay	Inset	PU
		Base B 14.5 mm (Cranking 0 mm)	Base B 5 mm (Cranking 9.5 mm)	Base B - 1.5 mm (Cranking 16 mm)	
Screw-on type TH 42		1 078 660	1 078 661	1 078 662	1/200 ea.
Press-in type TH 43		1 078 663	1 078 664	1 078 665	1/200 ea.

Slide-on concealed hinge

- ▶ SlideOn 2333
- ▶ Opening angle 95°

Minimum reveal per door

Door thickness mm	Cup distance C mm				
	3.0	4.0	4.5	5.0	6.0
14	0.1	0.1	0.1	0.1	0.1
15	0.2	0.2	0.2	0.2	0.2
16	0.4	0.4	0.4	0.4	0.3
17	0.6	0.5	0.5	0.5	0.5
18	0.8	0.8	0.7	0.7	0.7
19	1.1	1.0	1.0	1.0	1.0
20	1.5	1.4	1.3	1.3	1.3
21	2.2	1.9	1.8	1.7	1.6
22	3.0	2.6	2.4	2.3	2.1
23	3.9	3.4	3.2	3.0	2.7
24	4.7	4.2	4.0	3.8	3.4
25	5.6	5.1	4.8	4.6	4.2

Please note:

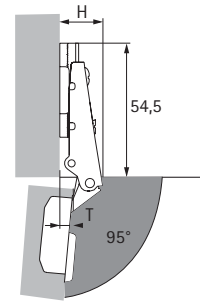
The values in the table refer to doors with an edge radius of 1 mm.

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 + 0.8 mm

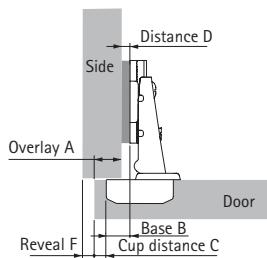
Protrusions / installation depth



Hinge protrusion H / door protrusion T for distance D = 1.5 mm and cup distance C = 3 mm

Door-mounting option	H mm	T mm
Overlay	19.0	6.0
Half overlay	28.5	15.5
Inset	35.0	22.0

Overlay

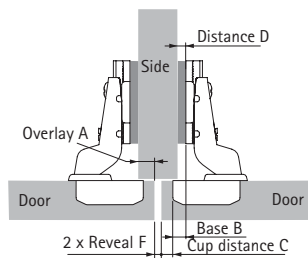


$$\text{Distance D} = \text{C} + \text{B} - \text{A}$$

$$= \text{cup distance C} + 14.5 \text{ mm} - \text{overlay A}$$

Overlay mm	Cup distance C mm				
	3.0	4.0	4.5	5.0	6.0
Distance D mm					
10	7.5	8.5	9.0	9.5	10.5
11	6.5	7.5	8.0	8.5	9.5
12	5.5	6.5	7.0	7.5	8.5
13	4.5	5.5	6.0	6.5	7.5
14	3.5	4.5	5.0	5.5	6.5
15	2.5	3.5	4.0	4.5	5.5
16	1.5	2.5	3.0	3.5	4.5
17	0.5	1.5	2.0	2.5	3.5
18		0.5	1.0	1.5	2.5
19			0.0	0.5	1.5
20					0.5

Half overlay

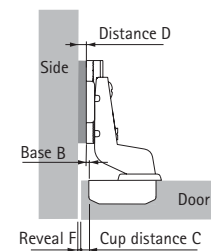


$$\text{Distance D} = \text{C} + \text{B} - \text{A}$$

$$= \text{cup distance C} + 5 \text{ mm} - \text{overlay A}$$

Overlay mm	Cup distance C mm				
	3.0	4.0	4.5	5.0	6.0
Distance mm					
0	8.0	9.0	9.5	10.0	11.0
1	7.0	8.0	8.5	9.0	10.0
2	6.0	7.0	7.5	8.0	9.0
3	5.0	6.0	6.5	7.0	8.0
4	4.0	5.0	5.5	6.0	7.0
5	3.0	4.0	4.5	5.0	6.0
6	2.0	3.0	3.5	4.0	5.0
7	1.0	2.0	2.5	3.0	4.0
8	0.0	1.0	1.5	2.0	3.0
9		0.0	0.5	1.0	2.0
10				0.0	1.0
11					0.0

Inset



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

$$= \text{cup distance C} - 1.5 \text{ mm} + \text{reveal F}$$

Door thickness mm	Cup distance C mm				
	3.0	4.0	4.5	5.0	6.0
Distance D mm					
14	1.6	2.6	3.1	3.6	4.6
15	1.7	2.7	3.2	3.7	4.7
16	1.9	2.9	3.4	3.9	4.8
17	2.1	3.0	3.5	4.0	5.0
18	2.3	3.3	3.7	4.2	5.2
19	2.6	3.5	4.0	4.5	5.5
20	3.0	3.9	4.3	4.8	5.8
21	3.7	4.4	4.8	5.2	6.1
22	4.5	5.1	5.4	5.8	6.6
23	5.4	5.9	6.2	6.5	7.2
24	6.2	6.7	7.0	7.3	7.9
25	7.1	7.6	7.8	8.1	8.7

Advice

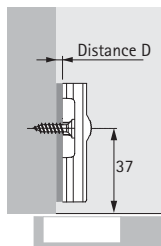
Mounting plates and accessories, see page 150 - 151
 Optional soft closure Silent System and Push to open system, see page 112 - 113, 122 - 123
 Fitting information, assembly notes and quality criteria, see page 162 - 168, 191

Slide-on concealed hinge

- ▶ System 2006 mounting plates – with oblong-hole height adjustment capability
- ▶ For SlideOn and Markant 7.1

Screw-on cross mounting plate

- ▶ For $\varnothing 4.5 \times 16$ mm countersunk wood screws
- ▶ Hole spacing 32 mm
- ▶ Oblong hole height adjustment ± 2 mm
- ▶ Steel, nickel-plated

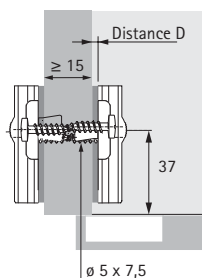


Distance D mm	Order no.	PU
0.0	1 079 197	1/400 ea.
1.5	1 079 198	1/400 ea.
3.0	1 079 199	1/400 ea.
5.0	1 079 200	1/400 ea.

Distance D = 0 cannot be used with cranking K = 0

Patented „Hettich Direkt“ cross mounting plate with pilot pin and special screws

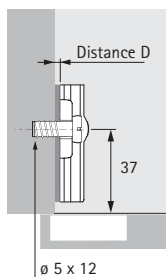
- ▶ For $\varnothing 5 \times 7.5$ mm holes
- ▶ Hole spacing 32 mm
- ▶ Half overlay door, from 15 mm side panel thickness
- ▶ Oblong hole height adjustment ± 2 mm
- ▶ Steel, nickel-plated



Distance D mm	Order no.	PU
1.5	1 079 210	1/400 ea.
3.0	1 079 211	1/400 ea.
5.0	1 079 212	1/400 ea.

Cross mounting plate with premounted Euro screws

- ▶ For hole $\varnothing 5 \times 12$ mm
- ▶ Hole spacing 32 mm
- ▶ Oblong hole height adjustment ± 2 mm
- ▶ Steel, nickel-plated



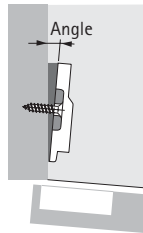
Distance D mm	Order no.	PU
0.0	1 079 221	1/400 ea.
1.5	1 079 222	1/400 ea.
3.0	1 079 223	1/400 ea.
5.0	1 079 224	1/400 ea.

Distance D = 0 cannot be used with cranking K = 0

- ▶ SlideOn
- ▶ Accessories

Angle adapter for cross mounting plates

- ▶ For realizing angled mounting options
- ▶ Stackable
- ▶ Can also be used to reduce the cabinet angle when turned through 180°
- ▶ A trial door mounting is recommended
- ▶ Silver plastic

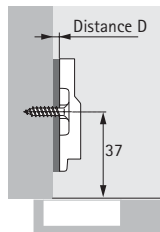


Angle °	Order no.	PU
5	0 079 349	1/50 ea.
10	0 079 350	1/50 ea.

Can only be used with screw-on cross mounting plates, see page 150, screw length is defined by the specific configuration

Parallel adapter for cross mounting plates

- ▶ For increasing the mounting-plate distance by max. 10 mm
- ▶ A trial door mounting is recommended
- ▶ Silver plastic



Distance D mm	Order no.	PU
3.0	0 079 323	1/50 ea.
5.0	0 079 324	1/50 ea.
10.0	0 079 325	1/50 ea.

Can only be used with screw-on cross mounting plates, see page 150, screw length is defined by the specific configuration

Cover cap for hinge arm



- ▶ Can be used for SlideOn
- ▶ Plastic, grey

Order no.	PU
9 040 947	1/2500 ea.

Fixing screw



- ▶ Countersunk head
- ▶ Pozidrive screw
- ▶ Steel, nickel-plated

Version	Dimensions mm	Order no.	PU
For screw-on cup	ø 3.5 x 16	0 071 925	200 ea.

Concealed hinges

► Slide-on concealed hinge Perfekt



Modern furniture design often requires extraordinary solutions. With its special hinge programme for display cases and corner cabinets, Hettich once again demonstrates its ability to find the best possible answer for any fittings problem.



Ideal for 90° cabinets with blind panels or 45° face angles



Different cup diameters for different applications, e.g. 35 mm for wooden doors, 26 mm for small wooden/wood-frame doors or 26 mm for glass doors



Extremely short side section, only 25 mm



Slide-on system for ease of installation

Concealed hinges

- ▶ Slide-on concealed hinge Perfekt
- ▶ Summary



Perfekt 5737 W45

154



Perfekt 5224 W45

154



Perfekt 5204 W45

155



Perfekt 5737 W90

156



Perfekt 5224 W90

156



Perfekt 5734 W90

157



Perfekt 5204 W90

158



Push to open system for opening handleless furniture fronts
Range summary / Technical comparison

124 - 125

Slide-on concealed hinge

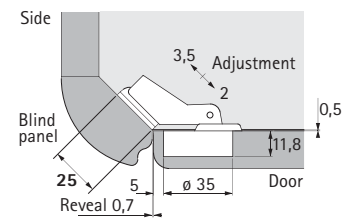
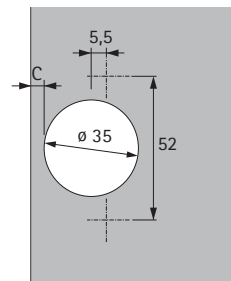
- ▶ Perfekt
- ▶ For 45° face angle, 95° opening angle

Perfekt 5737 W45



- ▶ Concealed hinge with slide-on assembly and short hinge arm
- ▶ Quality grades to EN 15570, Level 2
- ▶ Suitable for face frame cabinets
- ▶ For angle 45° between side panel and face frame
- ▶ For inset doors
- ▶ Cup diameter 35 mm
- ▶ Height adjustment ± 1.5 mm at mounting plate
- ▶ Including screw-on cross mounting plate, distance 0 (for use with countersunk wood screws $\varnothing 3.5 \times 16$ mm)
- ▶ Hinge / mounting plate: nickel-plated steel
- ▶ Material of hinge cup: nickel-plated steel

Order no.	PU
0 069 597	1/10 ea.

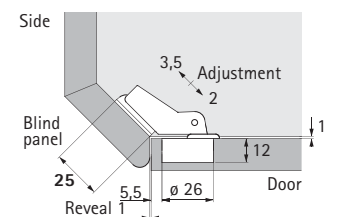
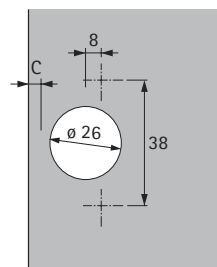


Perfekt 5224 W45



- ▶ Concealed hinge with slide-on assembly and short hinge arm
- ▶ Quality grades to EN 15570, Level 2
- ▶ Suitable for smaller face frame cabinets
- ▶ For angle 45° between side panel and face frame
- ▶ For inset doors
- ▶ Cup diameter 26 mm
- ▶ Height adjustment ± 1.5 mm at mounting plate
- ▶ Including screw-on cross mounting plate, distance 0 (for use with countersunk wood screws $\varnothing 3.5 \times 16$ mm)
- ▶ Hinge / mounting plate: nickel-plated steel
- ▶ Material of hinge cup: nickel-plated steel

Order no.	PU
0 069 599	1/10 ea.



Slide-on concealed hinge

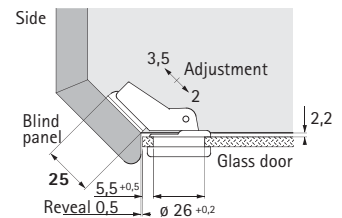
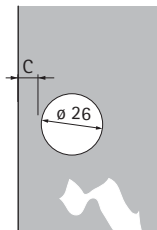
- ▶ Perfekt
- ▶ For 45° face angle, 95° opening angle

Perfekt 5204 W45



- ▶ Concealed hinge with slide-on assembly and short hinge arm
- ▶ Quality grades to EN 15570, Level 2
- ▶ Suitable for face frame cabinets
- ▶ For 45° angle between side panel and face frame
- ▶ For inset glass doors
- ▶ For 4.0 - 6.5 mm thick glass
- ▶ Cup diameter 26 mm
- ▶ Height adjustment at mounting plate + 1.5 mm / - 1.5 mm
- ▶ Including screw-on cross mounting plate, distance 0 (for use with countersunk wood screws $\varnothing 3.5 \times 16$ mm)
- ▶ Material of hinge arm / mounting plate: nickel-plated steel
- ▶ Material of hinge cup: black plastic

Order no.	PU
0 069 600	1/10 ea.



Decorative caps type A



Finish	Order no.	PU
1 Chrome-plated high-gloss	0 040 341	1/50 ea.
2 Nickel-plated matt	0 070 712	1/50 ea.
3 Gold-plated high-gloss	0 040 340	1/50 ea.
4 Black	0 070 051	1/50 ea.

In addition to the decorative cap, the items also include the cap mount and two fixing screws for glass up to 5 mm thick. Alternative fixing screws are required for glass from 5.5 mm to 6.5 mm thick (see page 110).

Decorative caps type B



Finish	Order no.	PU
1 Chrome-plated high-gloss	0 040 495	1/50 ea.
2 Nickel-plated matt	0 070 713	1/50 ea.
3 Gold-plated	0 040 494	1/50 ea.
4 Black	0 070 052	1/50 ea.

In addition to the decorative cap, the items also include the cap mount and two fixing screws for glass up to 5 mm thick. Alternative fixing screws are required for glass from 5.5 mm to 6.5 mm thick (see page 110).

Slide-on concealed hinge

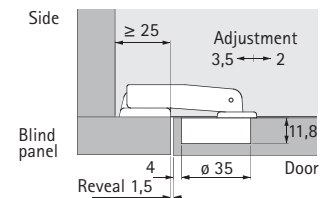
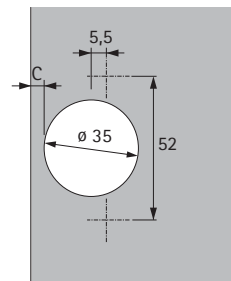
- ▶ Perfekt
- ▶ For 90° face angle, 95° opening angle

Perfekt 5737 W90



- ▶ Concealed hinge with slide-on assembly and short hinge arm
- ▶ Quality grades to EN 15570, Level 2
- ▶ Suitable for face frame cabinets
- ▶ For 90° angle between side panel and face frame
- ▶ For inset doors
- ▶ Cup diameter 35 mm
- ▶ Height adjustment at mounting plate + 1.5 mm / - 1.5 mm
- ▶ Including screw-on cross mounting plate, distance 0 (for use with countersunk wood screws $\varnothing 3.5 \times 16$ mm)
- ▶ Material of hinge arm / mounting plate: nickel-plated steel
- ▶ Material of hinge cup: black plastic

Order no.	PU
0 069 603	1/10 ea.

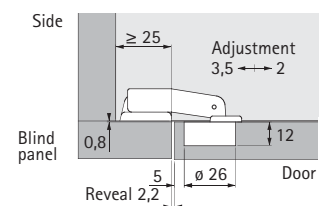
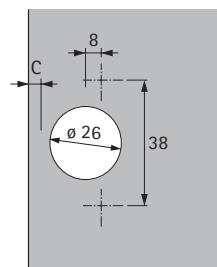


Perfekt 5224 W90



- ▶ Concealed hinge with slide-on assembly and short hinge arm
- ▶ Quality grades to EN 15570, Level 2
- ▶ Suitable for face frame cabinets
- ▶ For 90° angle between side panel and face frame
- ▶ For inset doors
- ▶ Cup diameter 26 mm
- ▶ Height adjustment at mounting plate + 1.5 mm / - 1.5 mm
- ▶ Including screw-on cross mounting plate, distance 0 (for use with countersunk wood screws $\varnothing 3.5 \times 16$ mm)
- ▶ Material of hinge arm / mounting plate: nickel-plated steel

Order no.	PU
0 069 609	1/10 ea.



Slide-on concealed hinge

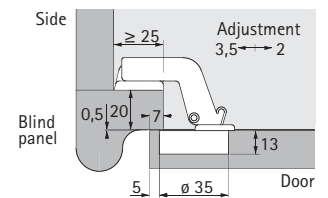
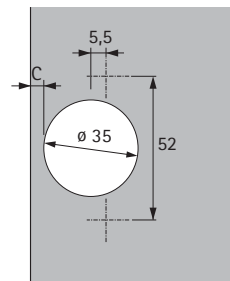
- ▶ Perfekt
- ▶ For 90° face angle, 95° opening angle

Perfekt 5734 W90



- ▶ Concealed hinge with slide-on assembly and short hinge arm
- ▶ Quality grades to EN 15570, Level 2
- ▶ Suitable for face frame cabinets
- ▶ For 90° angle between side panel and face frame
- ▶ For inset doors
- ▶ Cup diameter 35 mm
- ▶ Height adjustment at mounting plate + 1.5 mm / - 1.5 mm
- ▶ Including screw-on cross mounting plate, distance 0 (for use with countersunk wood screws $\varnothing 3.5 \times 16$ mm)
- ▶ Material of hinge arm / mounting plate: nickel-plated steel
- ▶ Material of hinge cup: black plastic

Order no.	PU
0 069 605	1/10 ea.



Slide-on concealed hinge

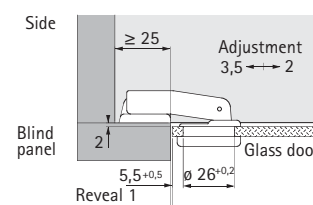
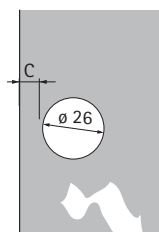
- ▶ Perfekt
- ▶ For 90° face angle, 95° opening angle

Perfekt 5204 W90



- ▶ Concealed hinge with slide-on attachment system and short hinge arm
- ▶ Quality grades to EN 15570, Level 2
- ▶ Suitable for face frame cabinets
- ▶ For 90° angle between side panel and face frame
- ▶ For inset glass doors
- ▶ Cup diameter 26 mm
- ▶ Height adjustment at mounting plate + 1.5 mm / - 1.5 mm
- ▶ Including screw-on cross mounting plate, distance 0 (for use with countersunk wood screws $\varnothing 3.5 \times 16$ mm)
- ▶ Material of hinge arm / mounting plate: nickel-plated steel
- ▶ Material of hinge cup: black plastic

Order no.	PU
0 069 607	1/10 ea.



Decorative caps type A



Finish	Order no.	PU
1 Chrome-plated high-gloss	0 040 341	1/50 ea.
2 Nickel-plated matt	0 070 712	1/50 ea.
3 Gold-plated high-gloss	0 040 340	1/50 ea.
4 Black	0 070 051	1/50 ea.

In addition to the decorative cap, the items also include the cap mount and two fixing screws for glass up to 5 mm thick. Alternative fixing screws are required for glass from 5.5 mm to 6.5 mm thick (see page 110).

Decorative caps type B



Finish	Order no.	PU
1 Chrome-plated high-gloss	0 040 495	1/50 ea.
2 Nickel-plated matt	0 070 713	1/50 ea.
3 Gold-plated	0 040 494	1/50 ea.
4 Black	0 070 052	1/50 ea.

In addition to the decorative cap, the items also include the cap mount and two fixing screws for glass up to 5 mm thick. Alternative fixing screws are required for glass from 5.5 mm to 6.5 mm thick (see page 110).

Fast-assembly concealed hinges

- ▶ Sensys / Intermat
- ▶ Mounting solutions

Do you need help to find the right hinge for a customised mounting style? Our online catalogue shows you all sorts of applications for a wide range of concealed hinges. Go to the CAD Data option to display 2D sectional drawings illustrating various usage situations. If the CAD drawings (dxf) we provide are of no further assistance, you can e-mail or fax us the adjacent form. We will then be pleased to suggest a solution for your particular application.

The screenshot shows the Hettich online catalogue interface. The top navigation bar includes the search bar with the number 9071205, a shopping basket icon, and the Hettich logo. The main content area is divided into several sections:

- Assortment:** A tree view on the left lists various hinge types, with 'Fast-assembly hinge Sensys 8645i TH 52' selected.
- Product Information:** A table on the right provides details such as Order no. 9071205, Article type Fast-assembly hinge Sensys 8645i TH 52, Packaging unit 200 pcs., Split box Yes, and Price unit 100 pcs.
- Product Details:** A central image shows the hinge installed on a door handle.
- Additional Information:** Links to 'to CatalogueBrowser', 'Product video', and 'Product page (PDF)'. Below this are 'Mounting instruction 1' and 'Drilling pattern 1'.
- CAD Data:** A section with a 'Drawing (DWG/DXF)' button, which is highlighted by a red box and an arrow pointing to a 2D sectional drawing.

Fast-assembly hinge Sensys 8645i TH 52

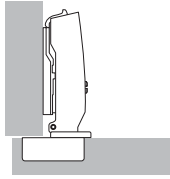
- Concealed hinge for snap-on attachment
- For door thicknesses of 15 - 22 mm
- Cup diameter 35 mm
- With self-closing feature
- Integrated overlay adjustment ± 2 mm
- Integrated depth adjustment ± 3 mm / $- 2$ mm
- Height adju

The 2D sectional drawing shows the hinge's internal structure with dimensions: 93 (arc), 4.5, 19, 15°, 29.5, 1.5, and 19.

Concealed hinges

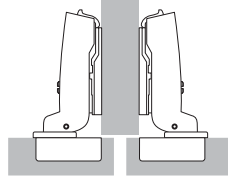
- ▶ Fitting information
- ▶ Sensys, Intermat, SlideOn

Full overlay



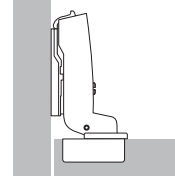
The door is in front of the cabinet wall and only a small gap remains at the side within which the door can open reliably. Alternatively, the door can also be overlaid fully, in which case sufficient space must be allowed at the side for the required minimum reveal. Straight hinges are used.

Half overlay



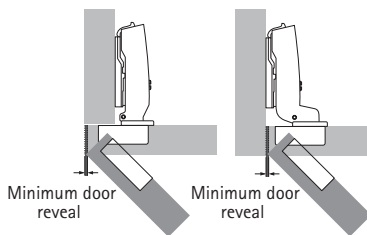
This is where two doors are positioned in front of a cabinet centre panel. The required overall reveal is between them (at least 2 x minimum reveal). In other words, each door has a smaller overlay and cranked hinges are therefore used.

Inset door



The door is positioned inside the cabinet, i.e. next to the cabinet side. Here too, a gap is needed so that the door can open reliably. Highly cranked hinges are used here. For an inset door, the holes for attaching the mounting plates must be offset to the rear: Position of the fixing holes = 37 mm + door thickness + 1.5 mm + door offset

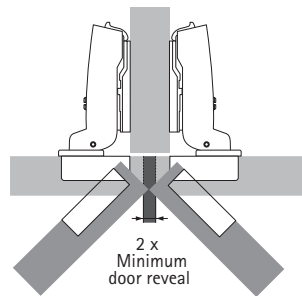
Minimum reveal



For overlay and inset doors

The minimum reveal (also known as the door clearance or minimum clearance) is the space required at the side so that the door can open. The size of the minimum reveal depends on the cup distance C, the door thickness and the type of hinge selected. Radii on the door edges reduce the door clearance. The minimum reveal is shown in the table for the respective hinge types.

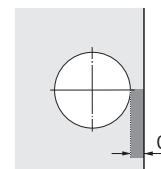
Minimum reveal



For half overlay doors

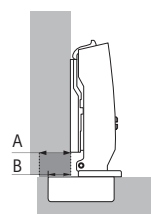
The total reveal selected between the doors must be at least twice the door clearance. Both doors can then be opened at the same time.

Cup distance C



Cup distance C is the distance between door edge and the edge of the cup drilling. The greater the distance selected for cup distance C, the smaller door clearance will be, i.e. the minimum reveal required.

Overlay / Basis



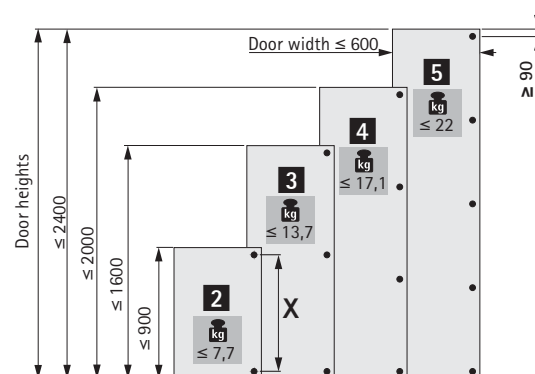
A = Overlay
B = Basis

Overlay refers to the projection of the door in front of the cabinet side. Basis refers to the projection of the cup in front of the cabinet side for a mounting-plate distance of 0 mm.

Number of hinges per door

Door width, height and weight as well as the material quality of the door are decisive factors determining the number of hinges required.

The factors encountered in practice differ widely from case to case. For this reason, the number of hinges specified in the diagram must be understood as a guide only. If in doubt, it is recommended to carry out a trial door mounting and adjust the number of hinges as necessary. For reasons of stability, distance X between the hinges must always be made as large as possible.



Concealed hinges

- ▶ Fitting information
- ▶ Sensys, Intermat, SlideOn

General calculation of distances

Mounting plates are available in various distances. The effective height of the mounting plate is defined by distance D. Distance D is embossed on the top of each mounting plate. A larger distance D reduces overlay for full and half-overlay applications. On inset doors, a larger distance D increases the door reveal.

Before determining the required distance, check whether the desired reveal is equal to or greater than the required minimum reveal. If the desired reveal is less than the required minimum reveal, the required minimum reveal can be reduced by increasing cup distance C or by producing radii on the door edges.

Calculation of distances

For overlay and half overlay doors

The required distance D can be determined after checking the minimum reveal. Ideally, door reveal and value C should be selected to produce distance D that is available as mounting plate.

Example: Working out distances according to the table

Overlay = 14 mm and cup distance C = 4.5 mm yield a distance D equal to 3.0 mm.

Example: Working out distances with calculation formula

Hinge for full overlay, basis B = 12.5 mm

Distance D = Cup distance C + basis B - overlay A

Distance D = 4.5 mm + 12.5 mm - 14 mm = 3.0 mm

Intermediate distances not available as mounting-plate distances are achieved by adjusting the hinge overlay.

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

Calculation of distances

For inset doors

When calculating the mounting-plate distance using the table for inset doors, allowance is automatically made for the reveal that is shown as the minimum reveal produced by cup distance C and door thickness in the table of minimum reveals. If a reveal is to be produced that is larger than this minimum reveal, select a mounting-plate distance of the appropriate size.

Example: Working out distances according to the table

From the table, a door thickness = 20 mm and cup distance C = 4.5 mm produces a mounting-plate distance of 1.5 mm. This creates the required minimum reveal of 1 mm, for example. If a reveal of 2.5 mm is required instead, the selected mounting-plate distance must be correspondingly 1.5 mm larger. In this example, therefore, a distance of 3 mm instead of 1.5 mm.

Example: Working out distances with calculation formula

Hinge for inset application, base value B = 4 mm

Distance D = Cup distance C + basis B + reveal F

Distance D = 4.5 mm + 4 mm - 1 mm = 1.5 mm

Intermediate distances not available as mounting-plate distances are achieved by adjusting the hinge overlay.

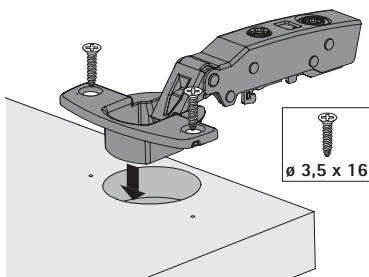
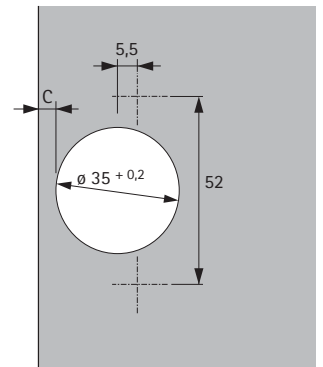
Door thickness mm	Cup distance C mm					
	3.0	4.0	4.5	5.0	6.0	7.0
	Distance D mm					
15		0.2	0.7	1.2	2.2	3.2
16		0.3	0.8	1.3	2.3	3.3
17		0.4	0.9	1.4	2.4	3.4
18		0.6	1.1	1.6	2.6	3.5
19		0.8	1.3	1.8	2.7	3.7
20	0.1	1.0	1.5	2.0	3.0	3.9
21	0.4	1.3	1.8	2.3	3.2	4.2
22	1.2	1.8	2.2	2.6	3.6	4.5

Concealed hinges

- ▶ Assembly notes
- ▶ Fitting the hinge cup

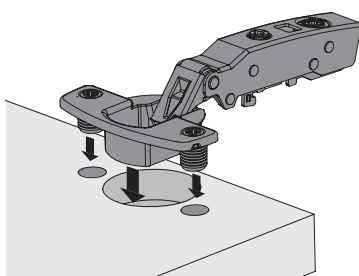
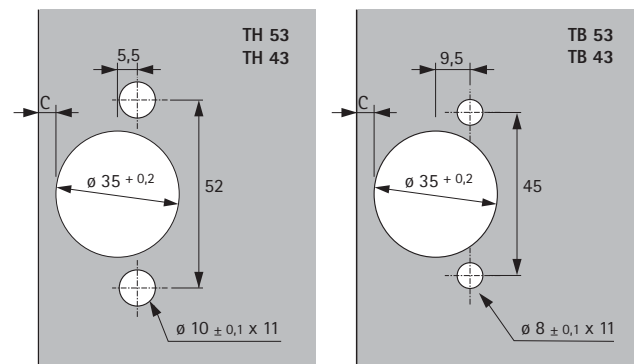
Screw-on hinge cup (Sensys, Intermat, SlideOn)

The hinge is secured with screws matching the material of the door
(dia. 3.5 x min. 16 mm).



Knock-in hinge cup (Sensys, Intermat, SlideOn)

The hinge is pressed into the drilling pattern.
For removal, the screws must be taken out and the hinge removed.
The sockets remain in the holes.

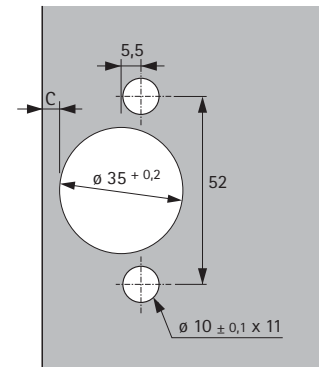


Concealed hinges

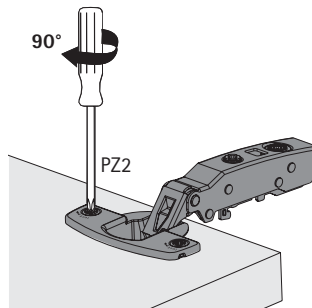
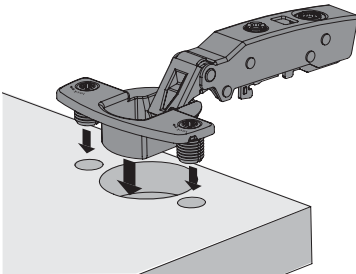
- ▶ Assembly notes
- ▶ Fitting the hinge cup

Fast-assembly Flash hinge cup (Sensys, Intermat)

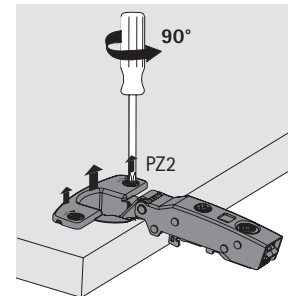
The hinge is inserted in the drilling pattern. The socket expands firmly in the front material when the Flash screw is turned 90° clockwise. The hinge can subsequently be removed just as easily.



Mounting

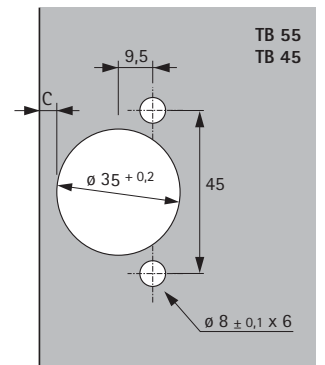
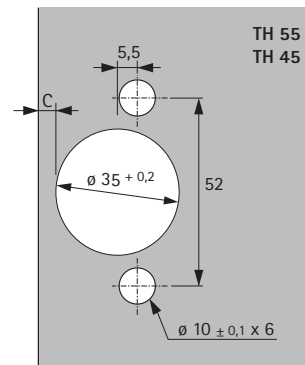


Removal

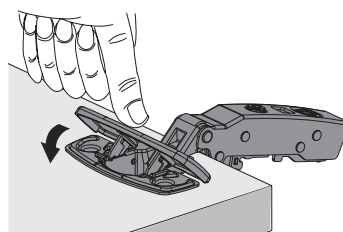
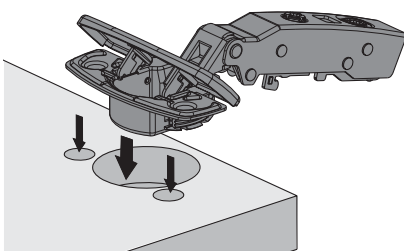


Fast-assembly Fix hinge cup (Sensys, Intermat)

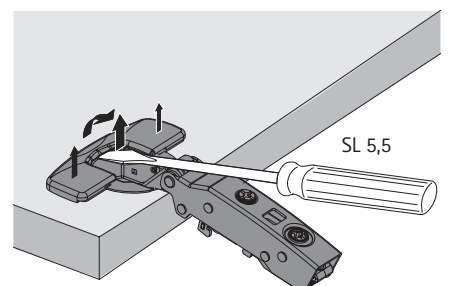
The hinge is inserted in the drilling pattern. The hinge cup expands in the hole when the Fix cap is pressed down. For removal, simply lift the Fix cap off with a fine screwdriver.



Mounting



Removal

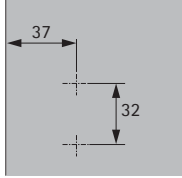


Concealed hinges

- ▶ Assembly notes
- ▶ Fitting the mounting plate / hinge arm

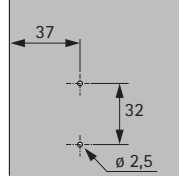
Drilling patterns, mounting plate

Cross mounting plates



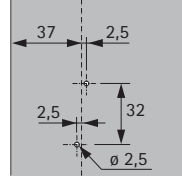
- Screw on

Cross mounting plates



- with pre-mounted chipboard screws

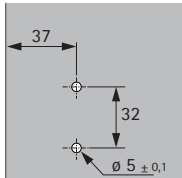
Cross mounting plates



- with asymmetrically pre-mounted chipboard screws

Drilling patterns, mounting plate

Cross mounting plates

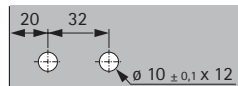


- "Hettich Direkt"
- with pre-mounted Euro screws
- with expanding sockets and special screws

Linear mounting plate

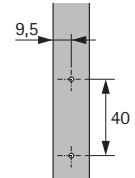


- Screw on



- Press-in

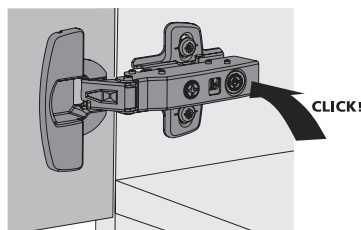
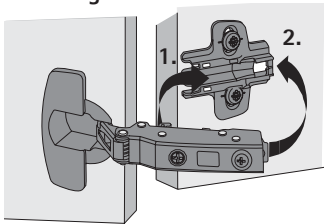
Face-frame mounting plate



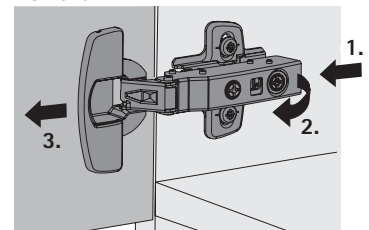
- Screw on

Clip-on hinge arm (Sensys, Intermat)

Mounting

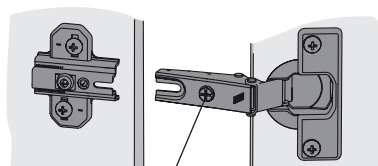
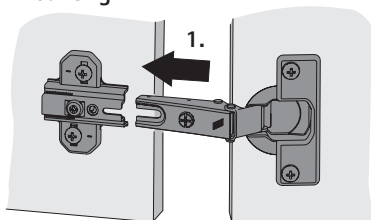


Removal

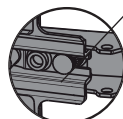


Slide-on hinge arm (SlideOn)

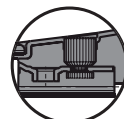
Mounting



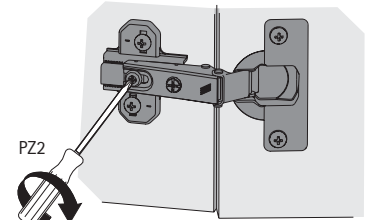
Leveller screw B



from below



Section



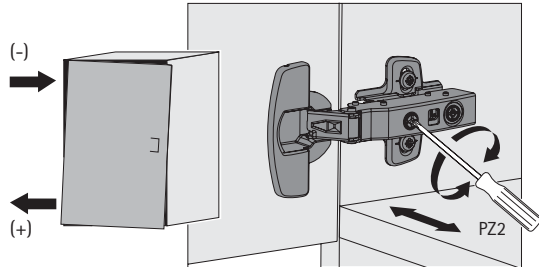
PZ2

Concealed hinges

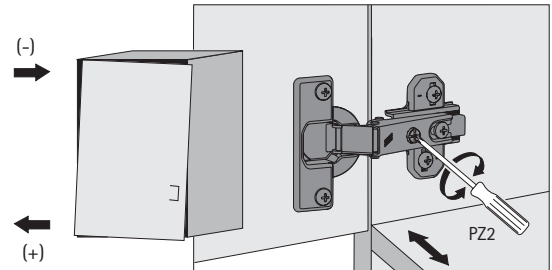
- ▶ Assembly notes
- ▶ Adjustment options

Overlay adjustment

For Sensys and Intermat

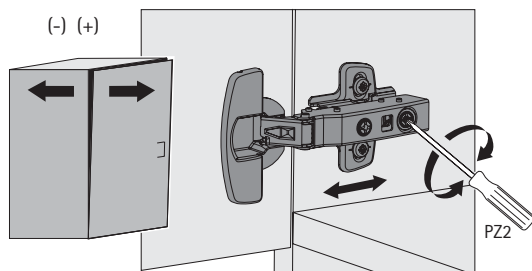


For SlideOn

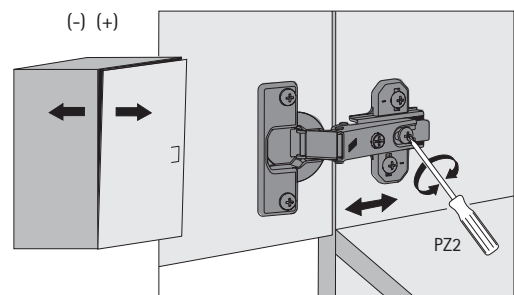


Depth adjustment

For Sensys and Intermat

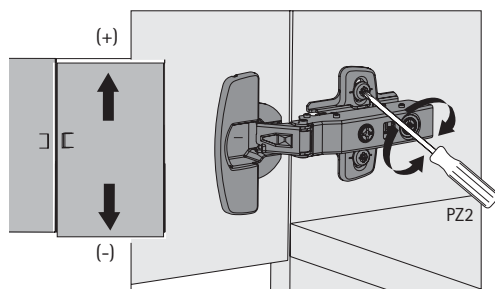


For SlideOn

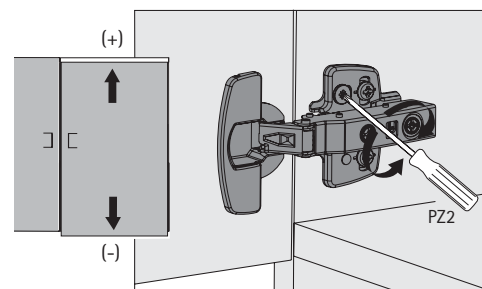


Height adjustment

Oblong hole height adjustment



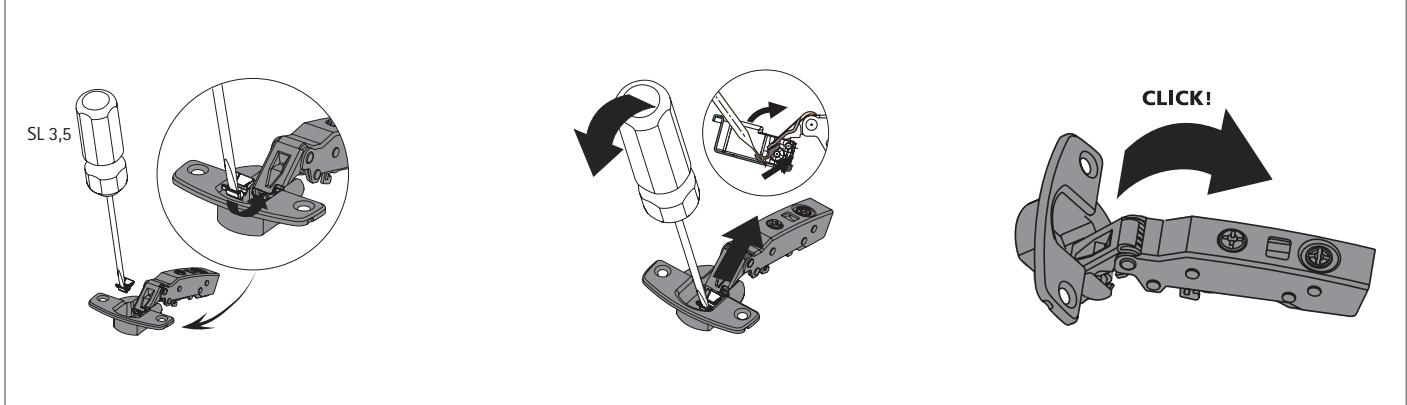
Eccentric height adjustment



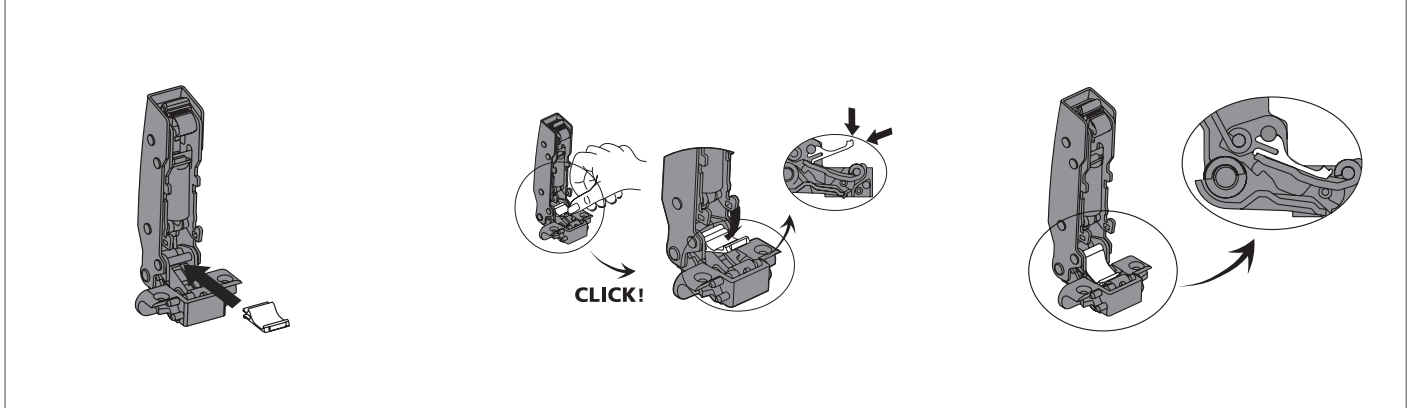
Concealed hinges

- ▶ Assembly notes
- ▶ Mounting the opening angle stop / clip-on soft-closing element

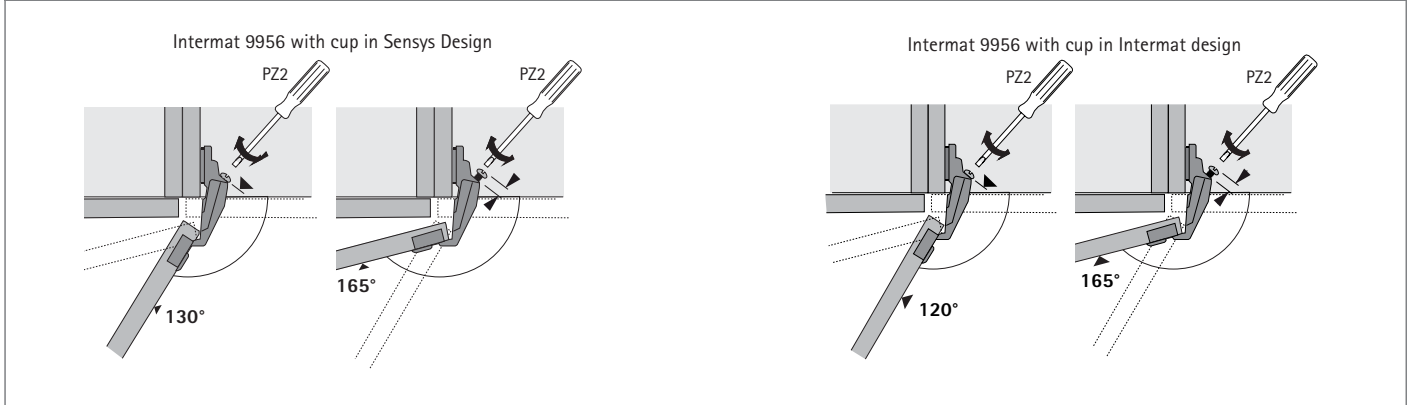
Mounting the opening angle stop for Sensys 8645i, Sensys 8639i, Sensys 8639i W, Intermat 9943



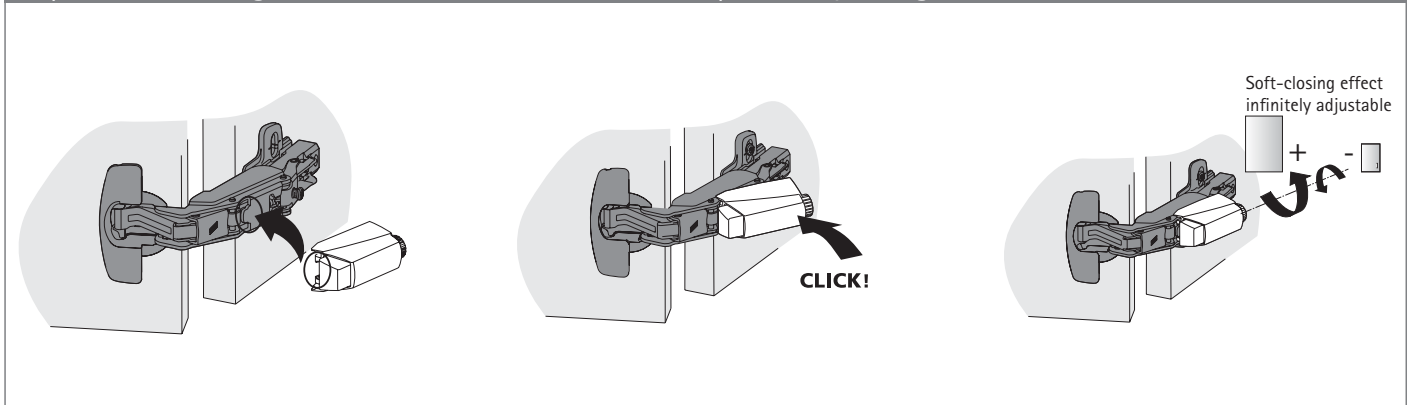
Mounting the opening angle stop for Sensys 8638i aluminium framed doors



Mounting the opening angle stop for Intermat 9956



Clip-on soft-closing element for Intermat 9956 with cup in Sensys design



Concealed hinges

▶ Single-pivot concealed hinge with knuckle Selekt



The Selekt Pro 2000 single-pivot hinge lets doors open up to 270° wide - i.e. right back against the carcass. As a result, everything inside the cabinet is always in full view and within easy reach, but without doors jutting into the room. The hinge is exceedingly flat, permitting full use of every last corner of the cabinet. Sturdy and robust die-cast zinc.



The single-pivot hinge is flat and elegant; even folders at the outer edge can be removed without difficulty.



Opening angle up to 270°: free access to everything inside the cabinet at all times - and no doors barring the way.



The overlay and door height can be adjusted perfectly with the high precision eccentric cam adjustment.



The optional soft-closing function lets Selekt Pro 2000 close softly without a sound.

Concealed hinges

- ▶ Single-pivot concealed hinge with knuckle Selekt
- ▶ Summary



Selekt

Range summary / Technical comparison

172 - 173



Accessories

186 - 189



Technical information

- ▶ Processing instructions
- ▶ Mounting information
- ▶ Quality criteria

190

190

191






Assembly aids

2681

Single-pivot concealed hinge with knuckle





- ▶ **Selekta**
- ▶ **Range summary / Technical comparison**

	Selekta Pro 2000	Selekta Pro 2000 twin hinge	Selekta Pro 2000 E
			
Page	174 - 177	178- 179	180 - 181
Description	<ul style="list-style-type: none"> ▶ Corner hinge for overlay and half overlay doors ▶ Snap-on assembly ▶ With visible knuckle 	<ul style="list-style-type: none"> ▶ Twin hinge for half overlay doors ▶ Snap-on assembly ▶ With visible knuckle 	<ul style="list-style-type: none"> ▶ Corner hinge for inset doors ▶ Snap-on assembly ▶ With visible knuckle
Opening angle	Up to 270°	Up to 185°	Up to 224°
Door overlay	5.5 mm / 6.5 mm / 11 mm / 12 mm / 15 mm / 16 mm	5.5 mm / 6.5 mm	-
Hinge cup mounting	<ul style="list-style-type: none"> ▶ Screw-on version ▶ Press-in version 	<ul style="list-style-type: none"> ▶ Screw-on version ▶ Press-in version 	<ul style="list-style-type: none"> ▶ Screw-on version ▶ Press-in version
Door adjustment	2-dimensional	2-dimensional	2-dimensional
Optional equipment	<ul style="list-style-type: none"> ▶ Silent System soft-close feature ▶ Decorative cap for glass door application ▶ Opening angle limiter ▶ Garment guard 	<ul style="list-style-type: none"> ▶ Silent System soft-close feature ▶ Decorative cap for glass door application ▶ Opening angle limiter ▶ Garment guard 	<ul style="list-style-type: none"> ▶ Silent System soft-close feature ▶ Decorative cap for glass door application ▶ Opening angle limiter ▶ Garment guard

Single-pivot concealed hinge with knuckle



- ▶ **Selekta**
- ▶ **Range summary / Technical comparison**

Selekta Pro 2035	Selekta 4 twin hinge
	
182 - 183	184 - 186
<ul style="list-style-type: none"> ▶ Corner hinge for overlay and half overlay doors ▶ Snap-on assembly ▶ With concealed knuckle 	<ul style="list-style-type: none"> ▶ Corner hinge for overlay and half overlay doors ▶ Twin hinge for half overlay doors ▶ Slide-on assembly ▶ With visible knuckle
Up to 115°	Corner hinge up to 270° Twin hinge up to 186°
15 mm	5.5 mm / 11 mm
<ul style="list-style-type: none"> ▶ Screw-on version ▶ Press-in version 	<ul style="list-style-type: none"> ▶ Screw-on version ▶ Press-in version
2-dimensional	2-dimensional
<ul style="list-style-type: none"> ▶ Silent System soft-close feature ▶ Decorative cap for glass door application ▶ Opening angle limiter ▶ Garment guard 	<ul style="list-style-type: none"> ▶ Decorative cap for glass door application ▶ Opening angle limiter ▶ Garment guard

Single-pivot fast-assembly concealed hinge with visible knuckle

- ▶ **Selekta Pro 2000**
- ▶ **For System 32**



- ▶ Single-pivot hinge with snap-on assembly system and visible knuckle
- ▶ Quality grades to EN 15570, Level 2
- ▶ For office, organisational and contract furniture
- ▶ Cup and basic hinge are mounted separately
- ▶ Fast snap-on assembly
- ▶ Knuckle length 39 mm, see drawings below for knuckle diameter
- ▶ Cup diameter 35 mm
- ▶ Cup depth 13 mm
- ▶ Basic hinge with expanding sockets and pre-mounted panhead screws
- ▶ Integrated eccentric overlay adjustment -2 mm
- ▶ Integrated eccentric height adjustment +2 mm / -2 mm
- ▶ Nickel-plated die-cast zinc

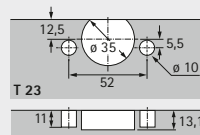
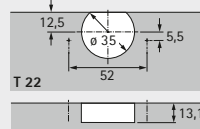
Selekta Pro 2000



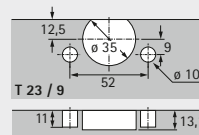
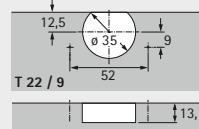
Hinge = cup + basic hinge



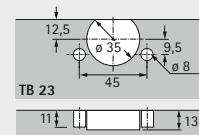
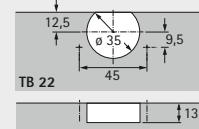
52 x 5.5 mm drilling pattern



52 x 9 mm drilling pattern



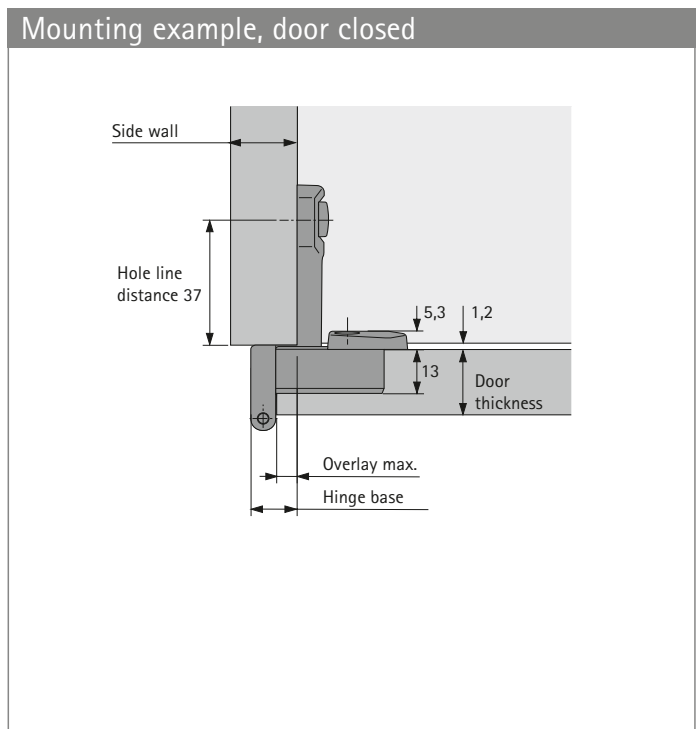
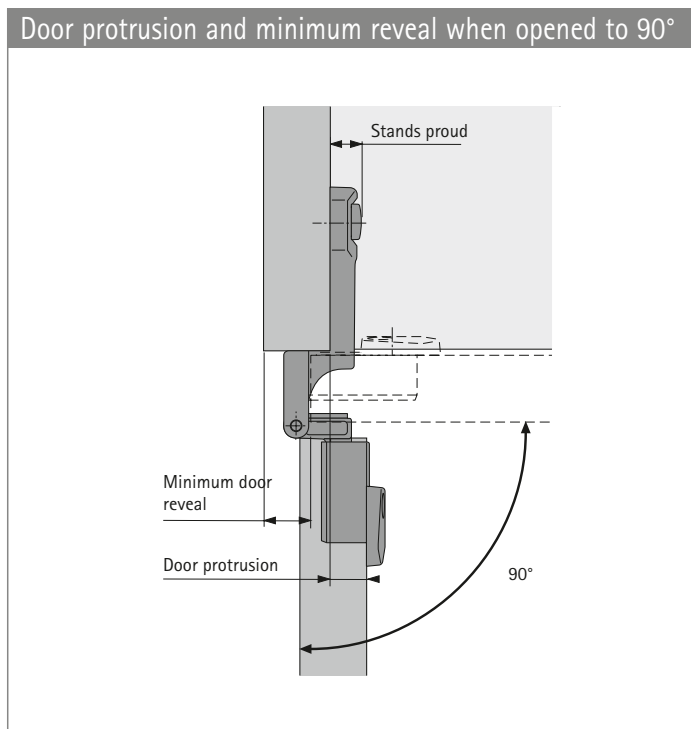
45 x 9.5 mm drilling pattern



Overlay mm	Attachment Drilling diameter	Self-closing function	Article	Screw-on version	Press-in version	Screw-on version	Press-in version	Screw-on version	Press-in version	PU
				T 22	T 23	T 22 / 9	T 23 / 9	TB 22	TB 23	
 Overlay 5.5 mm	Expanding sockets 5 mm ø x 11 mm drill hole	with	Cup	0 077 734	0 077 735	0 077 736	0 077 887	0 010 074	0 077 942	1/50 ea.
		without	Basic hinge	0 045 066	0 045 066	0 045 066	0 045 066	0 045 066	0 045 066	1/50 ea.
	Expanding sockets 5 mm ø x 11 mm drill hole	with	Cup	0 077 734	0 077 735	0 077 736	0 077 887	0 010 074	0 077 942	1/50 ea.
		without	Basic hinge	0 045 058	0 045 058	0 045 058	0 045 058	0 045 058	0 045 058	1/50 ea.
 Overlay 6.5 mm	Expanding sockets 5 mm ø x 11 mm drill hole	with	Cup	0 077 734	0 077 735	0 077 736	0 077 887	0 010 074	0 077 942	1/50 ea.
		without	Basic hinge	0 045 048	0 045 048	0 045 048	0 045 048	0 045 048	0 045 048	1/50 ea.
	Expanding sockets 5 mm ø x 11 mm drill hole	with	Cup	0 077 734	0 077 735	0 077 736	0 077 887	0 010 074	0 077 942	1/50 ea.
		without	Basic hinge	0 045 054	0 045 054	0 045 054	0 045 054	0 045 054	0 045 054	1/50 ea.
 Overlay 11 mm	Expanding sockets 5 mm ø x 11 mm drill hole	with	Cup	0 077 734	0 077 735	0 077 736	0 077 887	0 010 074	0 077 942	1/50 ea.
		without	Basic hinge	0 045 065	0 045 065	0 045 065	0 045 065	0 045 065	0 045 065	1/50 ea.
	Expanding sockets 5 mm ø x 11 mm drill hole	with	Cup	0 077 734	0 077 735	0 077 736	0 077 887	0 010 074	0 077 942	1/50 ea.
		without	Basic hinge	0 045 057	0 045 057	0 045 057	0 045 057	0 045 057	0 045 057	1/50 ea.
 Overlay 12 mm	Expanding sockets 5 mm ø x 11 mm drill hole	with	Cup	0 077 734	0 077 735	0 077 736	0 077 887	0 010 074	0 077 942	1/50 ea.
		without	Basic hinge	0 045 046	0 045 046	0 045 046	0 045 046	0 045 046	0 045 046	1/50 ea.
	Expanding sockets 5 mm ø x 11 mm drill hole	with	Cup	0 077 734	0 077 735	0 077 736	0 077 887	0 010 074	0 077 942	1/50 ea.
		without	Basic hinge	0 045 052	0 045 052	0 045 052	0 045 052	0 045 052	0 045 052	1/50 ea.

Single-pivot fast-assembly concealed hinge with visible knuckle

- ▶ Selekt Pro 2000
- ▶ For System 32



Opening angle and minimum reveal (depending on thickness of door and side panels)

Overlay mm	Door thickness mm	Side panel in mm						Minimum reveal per door (for 90°)
		15	16	18	19	22	25	
5.5	15	268°	265°	260°	258°	251°	244°	7.5
	16	265°	263°	258°	255°	248°	242°	7.5
	18	245°	245°	245°	245°	244°	238°	7.5
	19	225°	225°	225°	225°	225°	225°	7.5
	22	191°	191°	191°	191°	191°	191°	7.5
	25	185°	185°	185°	185°	185°	185°	9.0
6.5	15	268°	265°	260°	258°	251°	244°	5.7
	16	265°	263°	258°	255°	248°	242°	5.7
	18	255°	255°	253°	250°	244°	238°	5.7
	19	229°	229°	229°	229°	229°	229°	5.7
	22	187°	187°	187°	187°	187°	187°	5.7
	25	183°	183°	183°	183°	183°	183°	8.0
11	15				270°	264°	257°	7.5
	16				270°	262°	254°	7.5
	18				245°	245°	245°	7.5
	19				225°	225°	225°	7.5
	22				191°	191°	191°	7.5
	25				185°	185°	185°	9.0
12	15		270°	268°	266°	258°	250°	4.0
	16		270°	266°	263°	255°	248°	4.0
	18							
	19							
	22							
	25							

- Max. overlay: 5.5 mm
- Min. overlay: 3.5 mm (adjustment)
- Hinge base: 13 mm
- Overall height: 10 mm
- Door protrusion: 10.5 mm
- Opening angle for 0 mm door protrusion: 140°
- Max. overlay: 6.5 mm
- Min. overlay: 4.5 mm (adjustment)
- Hinge base: 12.2 mm
- Overall height: 10 mm
- Door protrusion: 10.5 mm
- Opening angle for 0 mm door protrusion: 143°
- Max. overlay: 11 mm
- Min. overlay: 9 mm (adjustment)
- Hinge base: 18.5 mm
- Overall height: 10 mm
- Door protrusion: 5 mm
- Opening angle for 0 mm door protrusion: 121°
- Max. overlay: 12 mm
- Min. overlay: 10 mm (adjustment)
- Hinge base: 16 mm
- Overall height: 10 mm
- Door protrusion: 6 mm
- Opening angle for 0 mm door protrusion: 132°

▶ Advice

For accessories, see pages 186 - 189
 For fitting information, mounting advice and quality criteria, see pages 190 - 191

Single-pivot fast-assembly concealed hinge with visible knuckle

- ▶ **Selekta Pro 2000**
- ▶ **For System 32**



- ▶ Single-pivot hinge with snap-on assembly system and visible knuckle
- ▶ Quality grades to EN 15570, Level 2
- ▶ For office, organisational and contract furniture
- ▶ Cup and basic hinge are mounted separately
- ▶ Fast snap-on assembly
- ▶ Knuckle length 39 mm, see drawings below for knuckle diameter
- ▶ Cup diameter 35 mm
- ▶ Cup depth 13 mm
- ▶ Basic hinge with expanding sockets and pre-mounted panhead screws
- ▶ Integrated eccentric overlay adjustment -2 mm
- ▶ Integrated eccentric height adjustment +2 mm / -2 mm
- ▶ Nickel-plated die-cast zinc

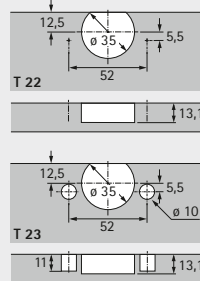
Selekta Pro 2000



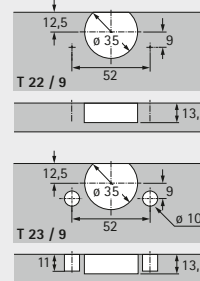
Hinge = cup + basic hinge



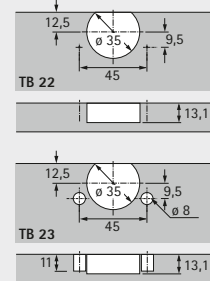
52 x 5.5 mm drilling pattern

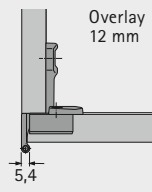
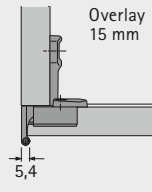
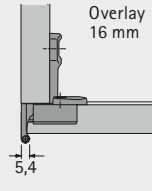


52 x 9 mm drilling pattern



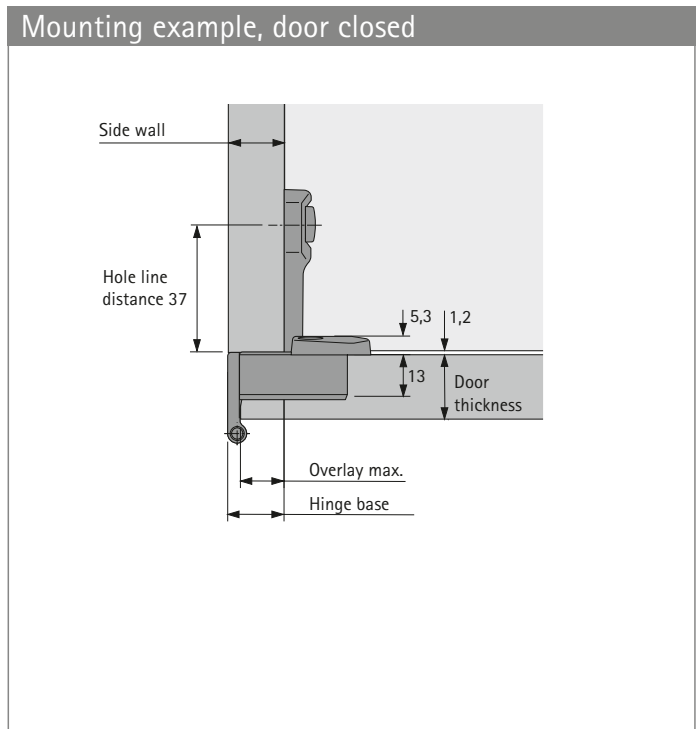
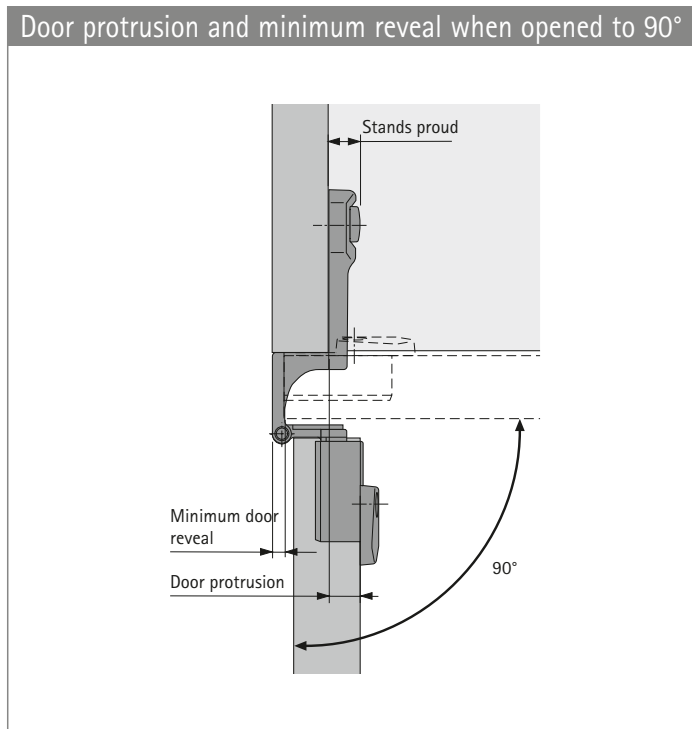
45 x 9.5 mm drilling pattern



Overlay mm	Attachment Drilling diameter	Self-closing function	Article	Screw-on version	Press-in version	Screw-on version	Press-in version	Screw-on version	Press-in version	PU
				T 22	T 23	T 22 / 9	T 23 / 9	TB 22	TB 23	
 Overlay 12 mm	Expanding sockets 5 mm ø x 11 mm drill hole	with	Cup	0 077 734	0 077 735	0 077 736	0 077 887	0 010 074	0 077 942	1/50 ea.
			Basic hinge	0 045 047	0 045 047	0 045 047	0 045 047	0 045 047	0 045 047	1/50 ea.
	Expanding sockets 5 mm ø x 11 mm drill hole	without	Cup	0 077 734	0 077 735	0 077 736	0 077 887	0 010 074	0 077 942	1/50 ea.
			Basic hinge	0 045 053	0 045 053	0 045 053	0 045 053	0 045 053	0 045 053	1/50 ea.
 Overlay 15 mm	Expanding sockets 5 mm ø x 11 mm drill hole	with	Cup			0 077 736	0 077 887	0 010 074	0 077 942	1/50 ea.
			Basic hinge			0 045 044	0 045 044	0 045 044	0 045 044	1/50 ea.
	Expanding sockets 5 mm ø x 11 mm drill hole	without	Cup			0 077 736	0 077 887	0 010 074	0 077 942	1/50 ea.
			Basic hinge			0 045 049	0 045 049	0 045 049	0 045 049	1/50 ea.
 Overlay 16 mm	Expanding sockets 5 mm ø x 11 mm drill hole	with	Cup			0 077 736	0 077 887	0 010 074	0 077 942	1/50 ea.
			Basic hinge			0 045 045	0 045 045	0 045 045	0 045 045	1/50 ea.
	Expanding sockets 5 mm ø x 11 mm drill hole	without	Cup			0 077 736	0 077 887	0 010 074	0 077 942	1/50 ea.
			Basic hinge			0 045 051	0 045 051	0 045 051	0 045 051	1/50 ea.

Single-pivot fast-assembly concealed hinge with visible knuckle

- ▶ Selekt Pro 2000
- ▶ For System 32



Opening angle and minimum reveal (depending on thickness of door and side panels)

Overlay mm	Door thickness mm	Side panel in mm						Minimum reveal per door (for 90°)		
		15	16	18	19	22	25			
12	15				272°	271°	270°	266°	259°	4.0
	16				272°	270°	270°	264°	257°	4.0
	18				270°	269°	266°	259°	252°	4.0
	19				270°	266°	264°	257°	250°	4.0
	22									
	25									
15	15					272°	270°	265°	4.0	
	16					271°	270°	263°	4.0	
	18					270°	265°	258°	4.0	
	19					270°	263°	256°	4.0	
	22									
	25									
16	15					272°	270°	266°	3.0	
	16					272°	270°	264°	3.0	
	18					270°	266°	259°	3.0	
	19					270°	264°	257°	3.0	
	22									
	25									

- Max. overlay: 12 mm
 - Min. overlay: 10 mm (adjustment)
 - Hinge base: 16 mm
 - Overall height: 10 mm
 - Door protrusion: 9 mm
 - Opening angle for 0 mm door protrusion: 140°
-
- Max. overlay: 15 mm
 - Min. overlay: 13 mm (adjustment)
 - Hinge base: 19 mm
 - Overall height: 10 mm
 - Door protrusion: 6 mm
 - Opening angle for 0 mm door protrusion: 129°
-
- Max. overlay: 16 mm
 - Min. overlay: 14 mm (adjustment)
 - Hinge base: 19 mm
 - Overall height: 10 mm
 - Door protrusion: 6 mm
 - Opening angle for 0 mm door protrusion: 132°

▶ Advice

For accessories, see pages 186 - 189
 For fitting information, mounting advice and quality criteria, see pages 190 - 191

Single-pivot fast-assembly concealed hinge with visible knuckle

- ▶ **Selekta Pro 2000 twin hinge**
- ▶ **For System 32**



- ▶ Single-pivot twin hinge with snap-on assembly system and visible knuckle
- ▶ Quality grades to EN 15570, Level 2
- ▶ For office, organisational and contract furniture
- ▶ Cup and basic hinge are mounted separately
- ▶ Fast snap-on assembly
- ▶ Knuckle length 39 mm, see drawings below for knuckle diameter
- ▶ Cup diameter 35 mm
- ▶ Cup depth 13 mm
- ▶ Basic hinge with expanding sockets and pre-mounted panhead screws
- ▶ Integrated eccentric overlay adjustment -2 mm
- ▶ Integrated eccentric height adjustment +2 mm / -2 mm
- ▶ Nickel-plated die-cast zinc

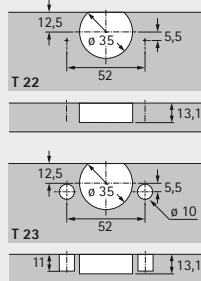
Seleakta Pro 2000 twin hinge



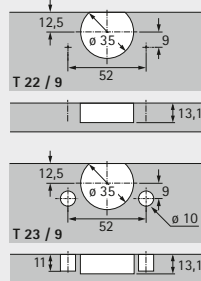
Hinge = 2 cups + basic hinge



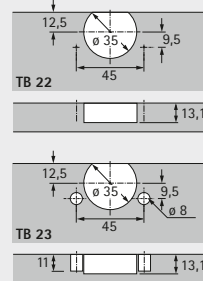
52 x 5.5 mm drilling pattern



52 x 9 mm drilling pattern



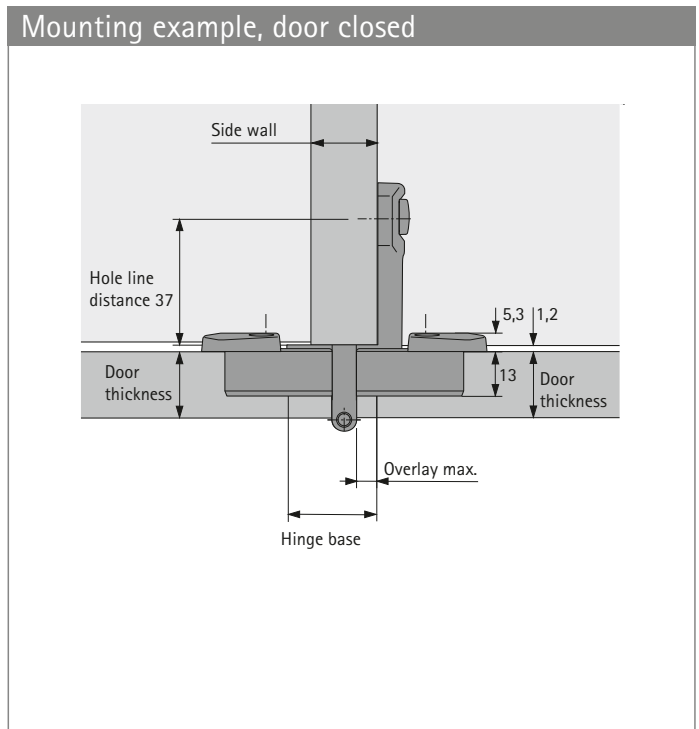
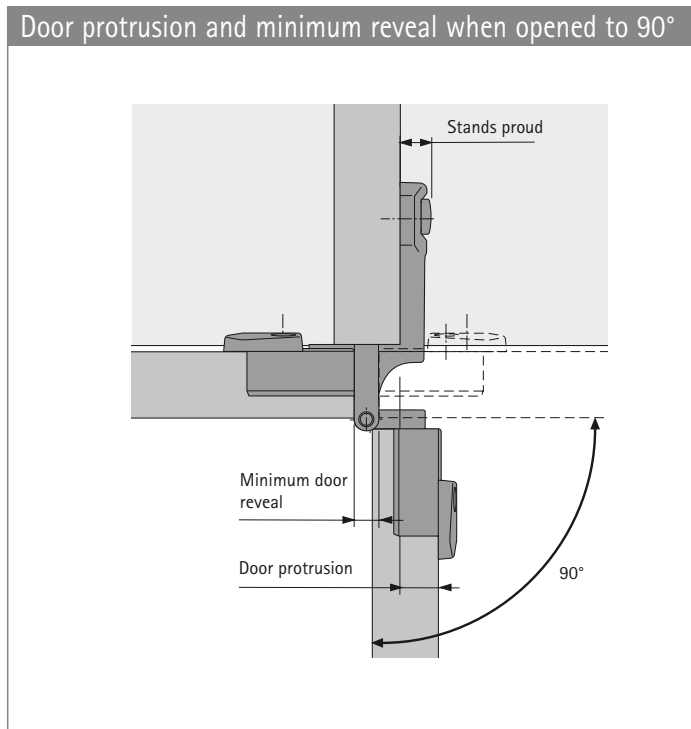
45 x 9.5 mm drilling pattern



Overlay mm	Attachment Drilling diameter	Self-closing function	Article	Screw-on version	Press-in version	Screw-on version	Press-in version	Screw-on version	Press-in version	PU
				T 22	T 23	T 22 / 9	T 23 / 9	TB 22	TB 23	
 Overlay 5.5 mm	Expanding sockets 5 mm ø x 11 mm drill hole	with	Cup	0 077 734	0 077 735	0 077 736	0 077 887	0 010 074	0 077 942	1/50 ea.
			Basic hinge	0 045 067	0 045 067	0 045 067	0 045 067	0 045 067	0 045 067	1/50 ea.
	Expanding sockets 5 mm ø x 11 mm drill hole	without	Cup	0 077 734	0 077 735	0 077 736	0 077 887	0 010 074	0 077 942	1/50 ea.
			Basic hinge	0 045 059	0 045 059	0 045 059	0 045 059	0 045 059	0 045 059	1/50 ea.
 Overlay 6.5 mm	Expanding sockets 5 mm ø x 11 mm drill hole	with	Cup	0 077 734	0 077 735	0 077 736	0 077 887	0 010 074	0 077 942	1/50 ea.
			Basic hinge	0 045 063	0 045 063	0 045 063	0 045 063	0 045 063	0 045 063	1/50 ea.
	Expanding sockets 5 mm ø x 11 mm drill hole	without	Cup	0 077 734	0 077 735	0 077 736	0 077 887	0 010 074	0 077 942	1/50 ea.
			Basic hinge	0 045 055	0 045 055	0 045 055	0 045 055	0 045 055	0 045 055	1/50 ea.

Single-pivot fast-assembly concealed hinge with visible knuckle

- ▶ Selekt Pro 2000 twin hinge
- ▶ For System 32



Opening angle and minimum reveal (depending on thickness of door and side panels)

Overlay mm	Door thickness mm	Side panel in mm						Minimum reveal per door (for 90°)
		15	16	18	19	22	25	
5.5	15	185°	185°	185°	185°	185°	185°	7.5
	16	184°	184°	184°	184°	184°	184°	7.5
	18	182°	182°	182°	182°	182°	182°	7.5
	19	181°	181°	181°	181°	181°	181°	7.5
	22	126°	126°	126°	126°	126°	126°	7.5
	25	77°	77°	77°	77°	77°	77°	9.0
6.5	15	185°	185°	185°	185°	185°	185°	5.7
	16	184°	184°	184°	184°	184°	184°	5.7
	18	182°	182°	182°	182°	182°	182°	5.7
	19	181°	181°	181°	181°	181°	181°	5.7
	22	112°	112°	112°	112°	112°	112°	5.7
	25	61°	61°	61°	61°	61°	61°	8.0

- Max. overlay: 5.5 mm
 - Min. overlay: 3.5 mm (adjustment)
 - Hinge base: 26 mm
 - Overall height: 10 mm
 - Door protrusion: 10.5 mm
 - Opening angle for 0 mm door protrusion: 140°
-
- Max. overlay: 6.5 mm
 - Min. overlay: 4.5 mm (adjustment)
 - Hinge base: 25 mm
 - Overall height: 10 mm
 - Door protrusion: 10.5 mm
 - Opening angle for 0 mm door protrusion: 143°

▶ Advice

For accessories, see pages 186 - 189
 For fitting information, mounting advice and quality criteria, see pages 190 - 191

Single-pivot fast-assembly concealed hinge with visible knuckle

- ▶ **Selekta Pro 2000 E**
- ▶ **For System 32, for inset doors**



- ▶ Single-pivot hinge with snap-on assembly system and visible knuckle
- ▶ Quality grades to EN 15570, Level 2
- ▶ For office, organisational and contract furniture
- ▶ Cup and basic hinge are mounted separately
- ▶ Fast snap-on assembly
- ▶ Knuckle length 39 mm, see drawings below for knuckle diameter
- ▶ Cup diameter 35 mm
- ▶ Cup depth 13 mm
- ▶ Basic hinge with expanding sockets and pre-mounted panhead screws
- ▶ Integrated eccentric reveal adjustment - 2 mm
- ▶ Integrated eccentric height adjustment + 2 mm / - 2 mm
- ▶ Nickel-plated die-cast zinc

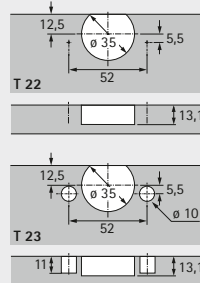
Selekta Pro 2000 E



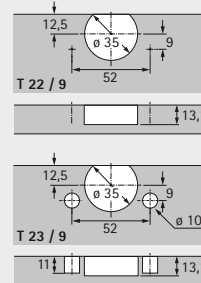
Hinge = cup + basic hinge



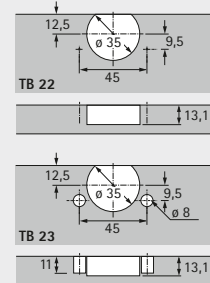
52 x 5.5 mm drilling pattern



52 x 9 mm drilling pattern



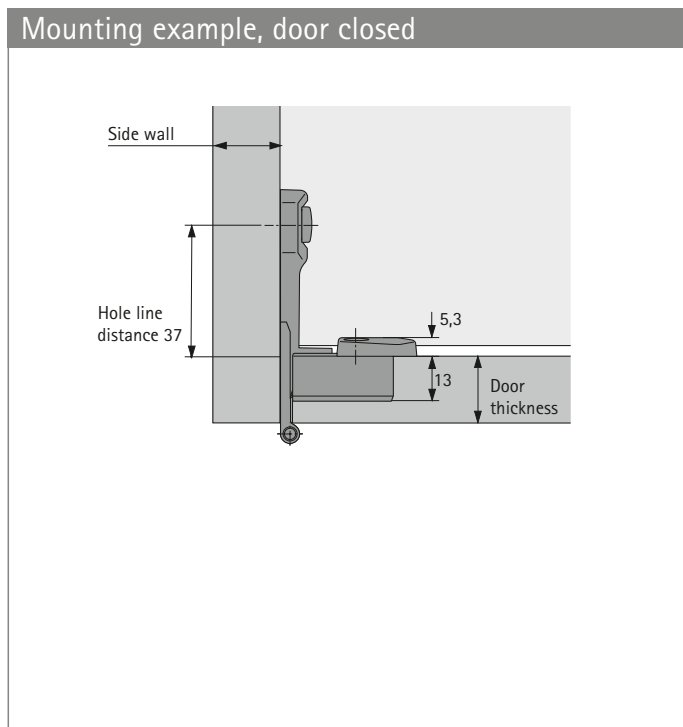
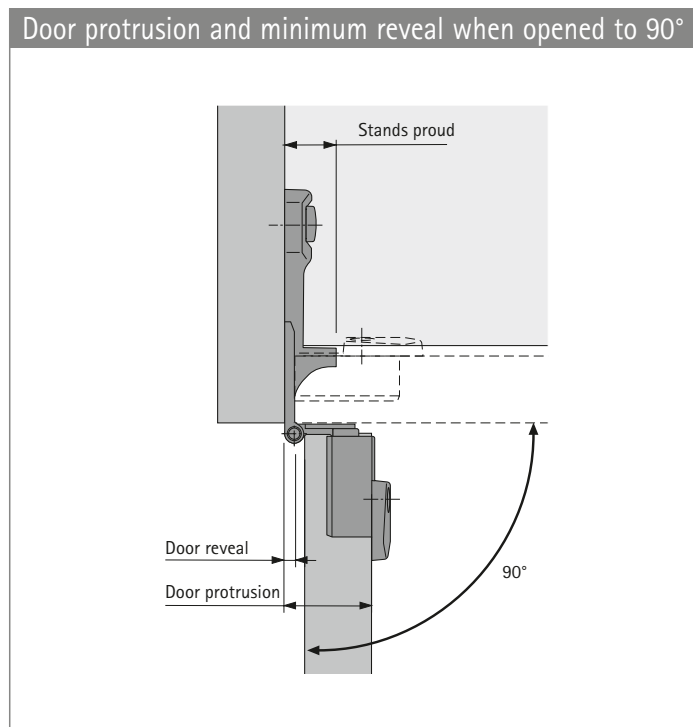
45 x 9.5 mm drilling pattern



Reveal mm	Attachment Drilling diameter	Self-closing function	Article	Screw-on version	Press-in version	Screw-on version	Press-in version	Screw-on version	Press-in version	PU
				T 22	T 23	T 22 / 9	T 23 / 9	TB 22	TB 23	
Reveal 3.2 mm 5.4	Expanding sockets 5 mm ø x 11 mm drill hole	with	Cup	0 077 734	0 077 735	0 077 736	0 077 887	0 010 074	0 077 942	1/50 ea.
			Basic hinge	0 045 064	0 045 064	0 045 064	0 045 064	0 045 064	0 045 064	1/50 ea.
	Expanding sockets 5 mm ø x 11 mm drill hole	without	Cup	0 077 734	0 077 735	0 077 736	0 077 887	0 010 074	0 077 942	1/50 ea.
			Basic hinge	0 045 056	0 045 056	0 045 056	0 045 056	0 045 056	0 045 056	0 045 056

Single-pivot fast-assembly concealed hinge with visible knuckle

- ▶ Selekt Pro 2000 E
- ▶ For System 32, for inset doors



Opening angle and minimum reveal (depending on thickness of door and side panels)

Reveal mm	Door thickness mm	Side panel in mm						Minimum reveal per door (for 90°)
		15	16	18	19	22	25	
3.2	15	224°	222°	218°	217°	212°	209°	3.2
	16	219°	217°	213°	212°	208°	205°	3.2
	18	207°	205°	203°	202°	199°	197°	3.2
	19	201°	200°	198°	197°	195°	193°	3.2
	22							
	25							

- Min. reveal: 3.2 mm
- Hinge base: 0 mm
- Overall height: 15 mm
- Door protrusion: 25 mm

▶ Advice

For accessories, see pages 186 - 189
 For fitting information, mounting advice and quality criteria, see pages 190 - 191

Single-pivot fast-assembly concealed hinge with concealed knuckle

- ▶ Selekt Pro 2035
- ▶ For System 32



- ▶ Single-pivot hinge with snap-on assembly system
- ▶ Quality grades to EN 15570, Level 2
- ▶ For office, organisational and contract furniture
- ▶ Cup and basic hinge are mounted separately
- ▶ Fast snap-on assembly
- ▶ Cup diameter 35 mm
- ▶ Cup depth 13 mm
- ▶ Basic hinge with expanding sockets and pre-mounted panhead screws
- ▶ Basic hinge including 3rd fixing screw
- ▶ Integrated eccentric overlay adjustment -2 mm
- ▶ Integrated eccentric height adjustment +2 mm / -2 mm
- ▶ Nickel-plated die-cast zinc

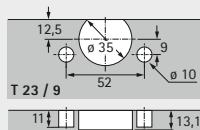
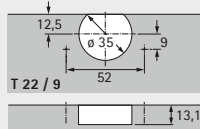
Selekt Pro 2035



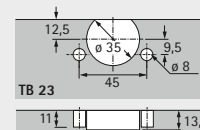
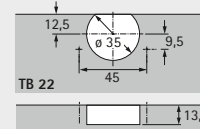
Hinge = cup + basic hinge



52 x 9 mm drilling pattern



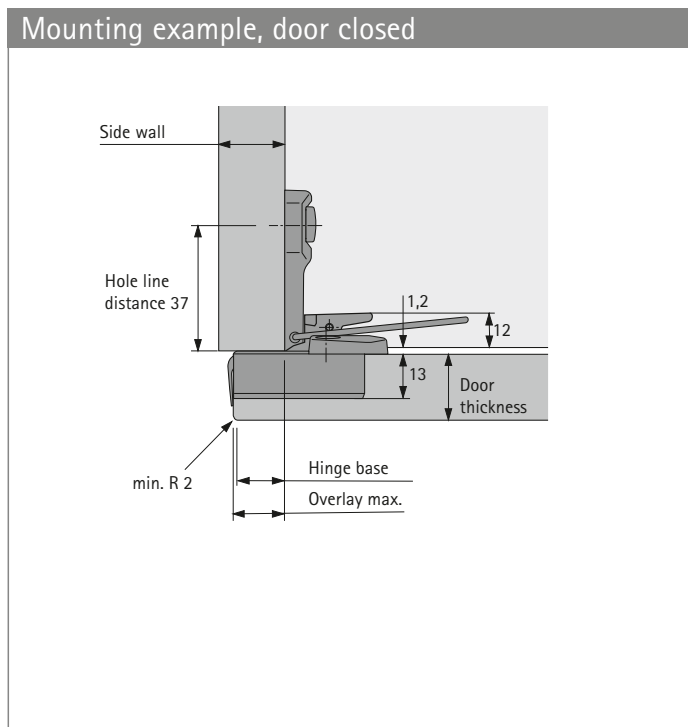
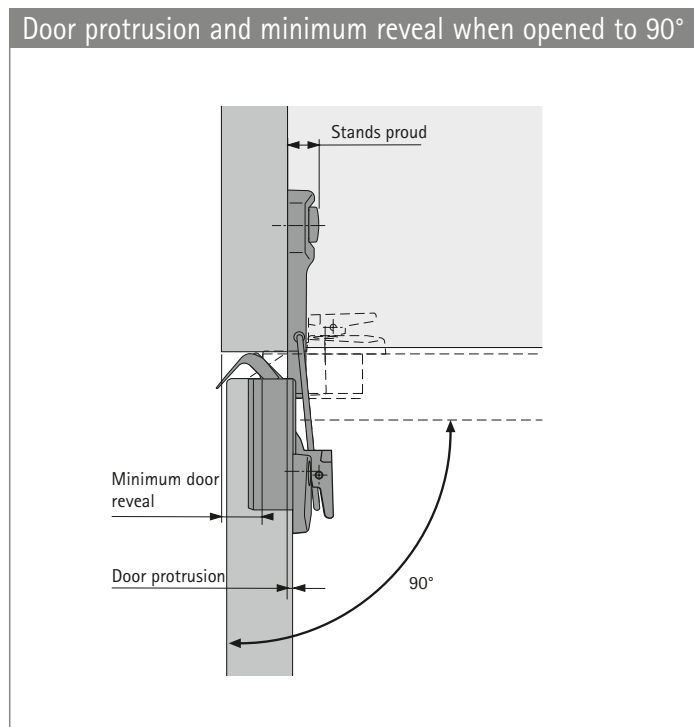
45 x 9.5 mm drilling pattern



Overlay mm	Attachment Drilling diameter	Self-closing function	Article	Screw-on version T 22 / 9	Press-in version T 23 / 9	Screw-on version TB 22	Press-in version TB 23	PU
Overlay 15 mm			Cup	0 077 736	0 077 887	0 010 074	0 077 942	1/50 ea.
	Expanding sockets 5 mm ø x 11 mm drill hole	with	Basic hinge	0 046 067	0 046 067	0 046 067	0 046 067	1/50 ea.

Single-pivot fast-assembly concealed hinge with concealed knuckle

- ▶ Selekt Pro 2035
- ▶ For System 32



Opening angle and minimum reveal (depending on thickness of door and side panels)

Overlay mm	Door thickness mm	Side panel in mm						Minimum reveal per door (for 90°)
		15	16	18	19	22	25	
15	15	115°	115°	115°	115°	115°	115°	0.9
	16	115°	115°	115°	115°	115°	115°	1.1
	18	115°	115°	115°	115°	115°	115°	5.0
	19	115°	115°	115°	115°	115°	115°	6.4
	22 *	115°	115°	115°	115°	115°	115°	6.3
	25 *	115°	115°	115°	115°	115°	115°	9.3

- Max. overlay: 15 mm
- Min. overlay: 12 mm (adjustment)
- Hinge base: 14 mm
- Overall height: 10 mm
- Door protrusion: 0.7 mm

* only without using cover cap

▶ Advice

For accessories, see pages 186 - 189
 For fitting information, mounting advice and quality criteria, see pages 190 - 191

Single-pivot slide-on concealed hinge with visible knuckle

- ▶ Selekt 4 / Selekt 4 twin hinge
- ▶ For System 32



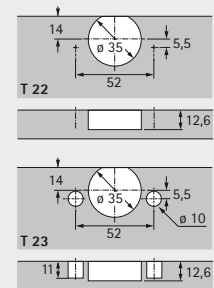
- ▶ Single-pivot hinge with slide-on assembly system and visible knuckle
- ▶ Quality grades to EN 15570, Level 2
- ▶ For office, organisational and contract furniture
- ▶ With self-closing feature
- ▶ Cup and basic hinge are mounted separately
- ▶ Knuckle length 24 mm, see drawings below for knuckle diameter
- ▶ Cup diameter 35 mm
- ▶ Cup depth 12.5 mm
- ▶ Overlay adjustment + 4 mm
- ▶ Height adjustment + 2 mm / - 2 mm, at expanding sockets with fixed centre setting
- ▶ The knuckle in corner hinges can be recessed into the door side
- ▶ Nickel-plated die-cast zinc

Selekt 4



Corner hinge

52 x 5.5 mm drilling pattern



Overlay mm	Attachment Drilling diameter	Self-closing function	Screw-on version T 22	Press-in version T 23	PU
<p>Overlay 5.5 mm</p>	Expanding sockets 5 mm ø x 11 mm drill hole	with	0 042 366	0 042 367	1/50 ea.
<p>Overlay 11 mm</p>	Expanding sockets 5 mm ø x 11 mm drill hole	with	0 042 382	0 042 383	1/50 ea.

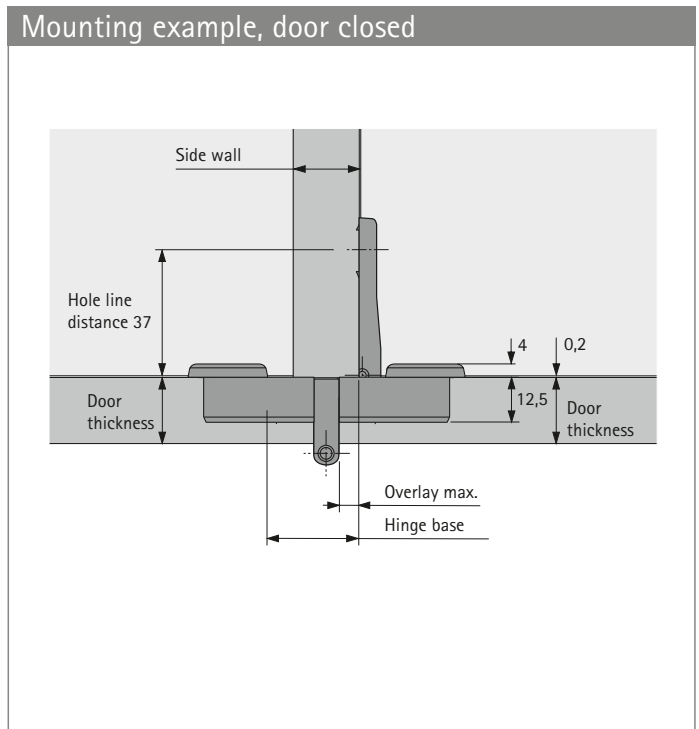
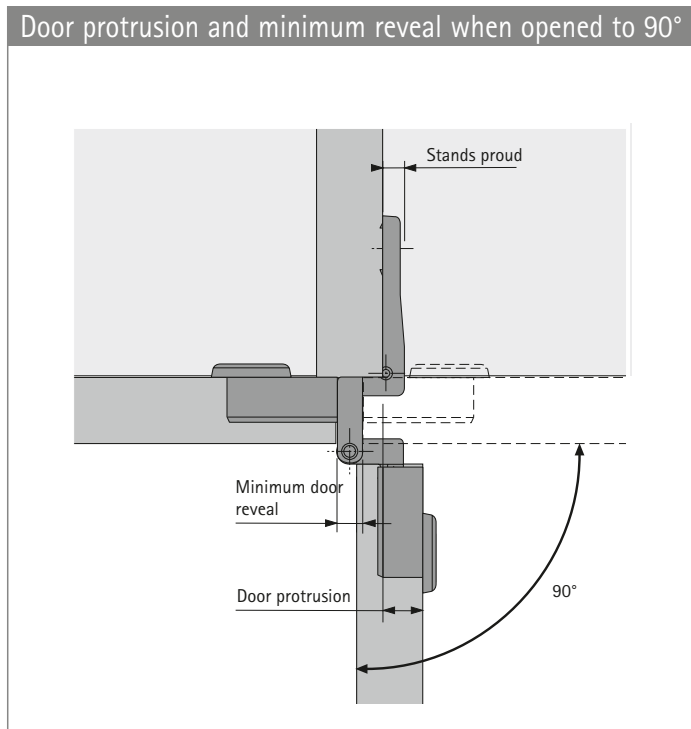


Twin hinge

Overlay mm	Attachment Drilling diameter	Self-closing function	Screw-on version T 22	Press-in version T 23	PU
<p>Overlay 5.5 mm</p>	Expanding sockets 5 mm ø x 11 mm drill hole	with	0 042 374	0 042 375	1/50 ea.

Single-pivot slide-on concealed hinge with visible knuckle

- ▶ Seleкта 4 / Seleкта 4 twin hinge
- ▶ For System 32



Opening angle and minimum reveal (depending on thickness of door and side panels)

Overlay mm	Door thickness mm	Side panel in mm						Minimum reveal per door (for 90°)
		15	16	18	19	22	25	
5.5	15	270°	268°	263°	260°	253°	247°	7.5
	16	268°	265°	260°	258°	251°	244°	7.5
	18	262°	260°	255°	253°	246°	240°	7.5
	19	245°	245°	245°	245°	245°	245°	7.5
	22	197°	197°	197°	197°	197°	197°	7.5
	25	186°	186°	186°	186°	186°	186°	8.0
11	15				271°	267°	259°	7.5
	16				270°	264°	257°	7.5
	18				267°	259°	252°	7.5
	19				245°	245°	245°	7.5
	22				197°	197°	197°	7.5
	25				186°	186°	186°	8.0

- Max. overlay: 5.5 mm
 - Min. overlay: 1.5 mm (adjustment)
 - Hinge base: 13 mm
 - Overall height: 7 mm
 - Door protrusion: 11.5 mm
 - Opening angle for 0 mm door protrusion: 142°
-
- Max. overlay: 11 mm
 - Min. overlay: 7 mm (adjustment)
 - Hinge base: 18.5 mm
 - Overall height: 7 mm
 - Door protrusion: 6 mm
 - Opening angle for 0 mm door protrusion: 124°

Twin hinge

Overlay mm	Door thickness mm	Side panel in mm						Minimum reveal per door (for 90°)
		15	16	18	19	22	25	
5.5	15	186°	186°	186°	186°	186°	186°	7.5
	16	185°	185°	185°	185°	185°	185°	7.5
	18	182°	182°	182°	182°	182°	182°	7.5
	19	181°	181°	181°	181°	181°	181°	7.5
	22	151°	151°	151°	151°	151°	151°	7.5
	25	90°	90°	90°	90°	90°	90°	8.0

- Max. overlay: 5.5 mm
- Min. overlay: 1.5 mm (adjustment)
- Hinge base: 23.5 mm
- Overall height: 7 mm
- Door protrusion: 11.5 mm
- Opening angle for 0 mm door protrusion: 142°

▶ Advice

For accessories, see pages 186 - 189
 For fitting information, mounting advice and quality criteria, see pages 190 - 191

Single-pivot concealed hinge with knuckle

- ▶ Selekt Pro 2000 / Selekt 4
- ▶ Accessories

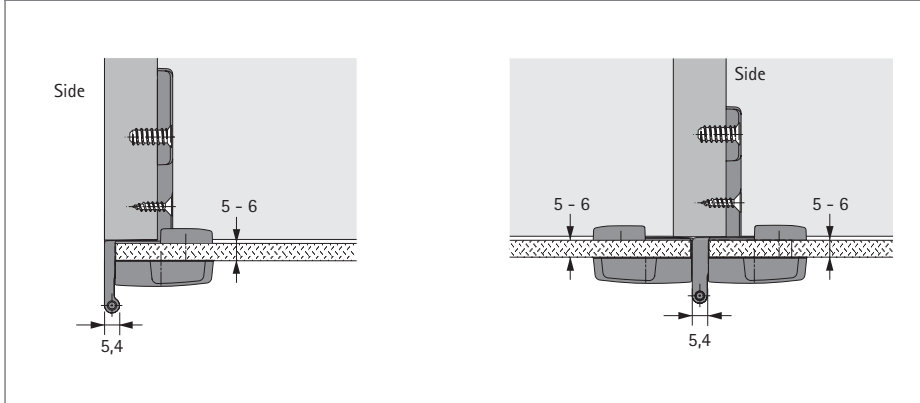


- ▶ The Selekt Pro 2000 and Selekt 4 hinges can be used with decorative caps for glass doors
- ▶ In glass doors, a cutaway hole is drilled for the hinge cup and two holes for the fixing screws for each hinge.
- ▶ The glass door is protected by intermediate shims and bushes of transparent plastic ensuring that the hinge is securely mounted on the glass door.
- ▶ Glass thickness 5 - 6 mm
- ▶ Secured with M5 countersunk screws
- ▶ Nickel-plated die-cast zinc

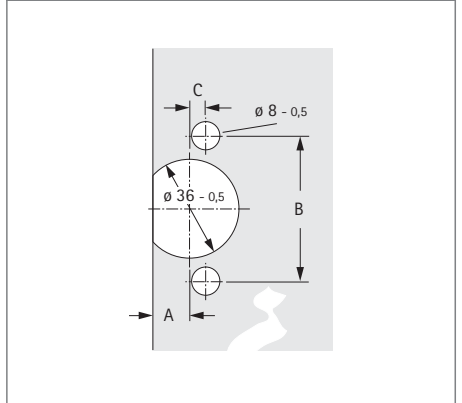
Glass door decorative cap for Selekt Pro 2000 and Selekt 4

Version	Order no.	PU
Selekt Pro 2000, T 22	0 077 943	1/50 ea.
Selekt Pro 2000, T 22 / 9	1 081 304	1/50 ea.
Selekt Pro 2000, TB 22	0 010 075	1/50 ea.
Selekt 4, T 22	1 001 881	1/50 ea.

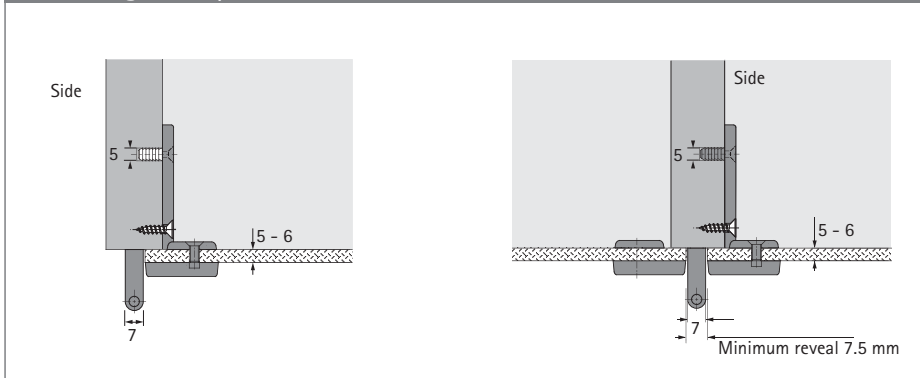
Mounting examples Selekt Pro 2000



Drilling pattern



Mounting examples Selekt 4



Use	Dimension A mm	Dimension B mm	Dimension C mm
Selekt Pro 2000, T22/74	12.5	52	5.5
Selekt Pro 2000, T22/73	12.5	52	9
Selekt Pro 2000, T22/75	12.5	45	9.5
Selekt 4 T22	13.4	52	6

Single-pivot concealed hinge with knuckle

- ▶ Selekt Pro 2000 / Selekt Pro 2035
- ▶ Accessories



- ▶ Suitable for use with
 - Selekt Pro 2000
 - Selekt Pro 2000 twin hinge
 - Selekt Pro 2000 E
 - Selekt Pro 2035
- ▶ Suitable for overlay, half overlay and inset doors
- ▶ Simply screw-mounts to the door
- ▶ Cushioning effect infinitely adjustable at setting wheel
- ▶ Can be retrofitted
- ▶ Nickel-plated die-cast zinc

Screw-on Silent System soft-closing element

Order no.	PU
0 060 580	1/50 ea.

Processing instruction

Mounting

Overlay mm	Dimension A mm
15 / 16	37.5
11 / 12	33.8
5.5 / 6.5	28.3
inset	21.8

Number of soft-closing elements

Single-pivot concealed hinge with knuckle



- ▶ Seleкта Pro 2000 / Seleкта Pro 2035 / Seleкта 4
- ▶ Accessories

Cover cap for basic Seleкта Pro hinge



- ▶ Suitable for use on hinges from the Seleкта Pro range
- ▶ Silver plastic

Order no.	PU
0 010 067	1/50 ea.

Universal opening angle limiter up to 120°



- ▶ Suitable for use with Seleкта Pro and Seleкта 4
- ▶ Infinitely adjustable to 120°
- ▶ Flexible black plastic textile tape

Order no.	PU
9 079 379	1/50 ea.

Opening angle limiter 90° / 115°



- ▶ Suitable for use with Seleкта Pro 2000
- ▶ Includes fixing screws
- ▶ Steel, nickel-plated

Opening angle °	Order no.	PU
90	0 043 039	1/50 set
115	0 043 052	1/50 set

Opening angle limiter 90° / 135°



- ▶ Suitable for use with Seleкта 4 / overlay 5.5 mm
- ▶ Includes fixing screws
- ▶ Steel, nickel-plated

Opening angle °	Order no.	PU
90	0 042 384	1/50 set
135	0 042 385	1/50 set

Universal garment guard



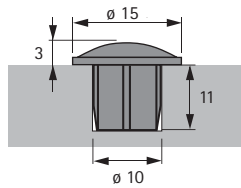
- ▶ Prevent garments from becoming trapped
- ▶ Suitable for use with Seleкта Pro 2000 E, Seleкта Pro 2035 and Seleкта 4
- ▶ White plastic

Order no.	PU
9 079 380	1/100 ea.

Single-pivot concealed hinge with knuckle

- ▶ Seleкта Pro 2000 / Seleкта Pro 2035 / Seleкта 4
- ▶ Accessories

Door buffer



- ▶ For hole \varnothing 10 mm x 11 mm
- ▶ White transparent plastic

Finish	Order no.	PU
Grey transparent	9 145 687	1/100 ea.

Fixing screw



- ▶ Countersunk head
- ▶ Pozidrive cross head
- ▶ Steel, nickel-plated

Version	Dimensions mm	Order no.	PU
For Seleкта Pro 2000 / 2035	\varnothing 4 x 16	0 010 085	200 ea.
For Seleкта 4	\varnothing 3.5 x 16	0 071 925	200 ea.

Single-pivot concealed hinge with knuckle

- ▶ Processing instructions, mounting information
- ▶ Selektta Pro 2000 / Selektta Pro 2035 / Selektta 4

Door adjustment Selektta Pro 2000



Overlay adjustment - 2 mm by turning the eccentric screw A clockwise

Eccentric height adjustment ± 2 mm: adjust screw B. Then turn in countersunk wood screw C (dia. 4 x 16mm).

Door adjustment Selektta Pro 2035



Overlay adjustment - 2 mm by turning the eccentric screw A clockwise

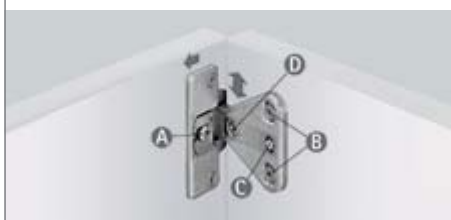
Eccentric height adjustment ± 2 mm: adjust screw B. Then turn in countersunk wood screw C (dia. 3.5 x 20mm).

Removal Selektta Pro



Use an ordinary screwdriver for removal.

Door adjustment Selektta 4



Overlay adjustment - 4 mm by undoing fixing screw A and adjusting the door

Height adjustment: Undo fixing screws B, break lock C with screwdriver, align door vertically and retighten fixing screws B. Then turn in countersunk wood screw D (dia. 4 x 16 mm).

Screw-on cup

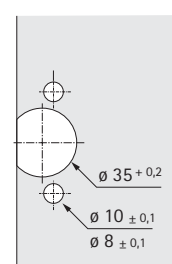


Cup versions for screw mounting (T 22, T 22 / 9, TB 22) must be fixed with countersunk wood screws:

Selektta Pro 2000, Selektta Pro 2035
 \varnothing 4 x 16 mm

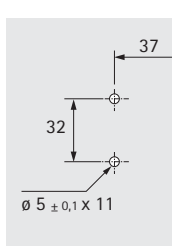
Selektta 4
 \varnothing 3,5 x 16 mm

Cup tolerances



Allowance must be made for the production tolerances shown in the drawing.

Basic hinge tolerances

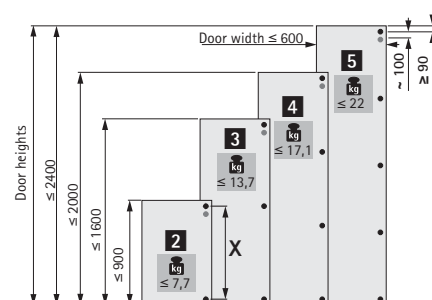


Allowance must be made for the production tolerances shown in the drawing.

Number of hinges per door

Door width, height and weight as well as the material quality of the door are decisive factors determining the number of hinges required. The factors encountered in practice differ widely from case to case. For this reason, the number of hinges specified in the diagram must be understood as a guide only. If in doubt, it is recommended to carry out a trial door mounting and adjust the number of hinges as necessary. For reasons of stability, distance X between the hinges must always be made as large as possible. On doors with two hinges, the distance between hinges must be at least equal to the width of the door. An additional hinge approx. 100 mm

below the upper hinge is recommended for particularly heavy doors.



Concealed hinges

► Quality criteria

Quality that meets all the demands

The quality of hinges is subject to a process of continuous monitoring. Hettich fittings comply with the national and international quality standards of the markets our customers operate in. The diagrams below show some of the tests to which Hettich hinges are subjected.

Application area

Hettich hinges can be used in living room, kitchen, bathroom and office furniture both in the home and business environment.

Loading capacity

The quality levels indicated on products comply with the requirements of EN 15570 and satisfy the overload tests at the specified level. We will be pleased to provide any further information you may require.

Corrosion test

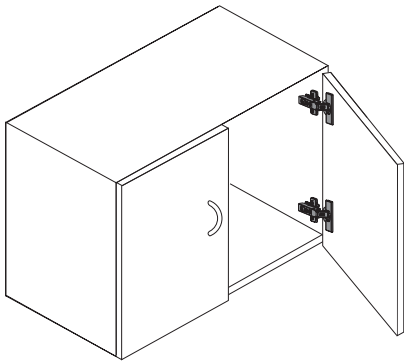
Hettich hinges satisfy the requirements on corrosion defined in EN 15570 for the 72-hour condensation-water test to EN 6270.

Quality assurance

The processes for assuring the quality of Hettich hinges are certified under EN ISO 9001, Cert. No. DE8000209.

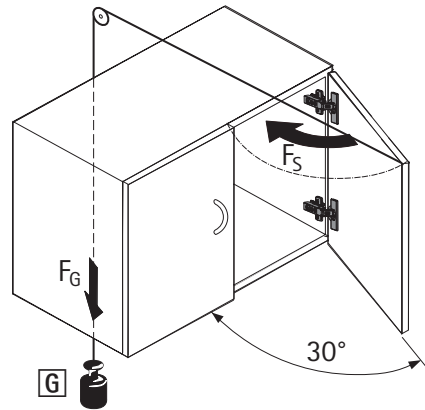
Endurance test

The door is subjected to a specific number of opening and closing cycles.



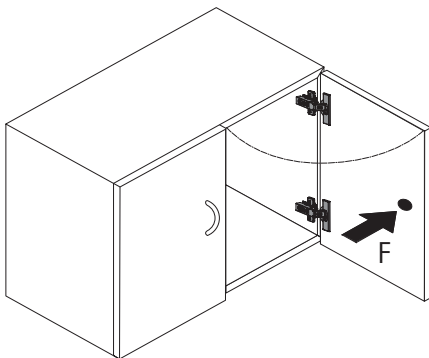
Closing test

The door is opened by 30° and pushed closed from this position by means of a pulley and falling weight.



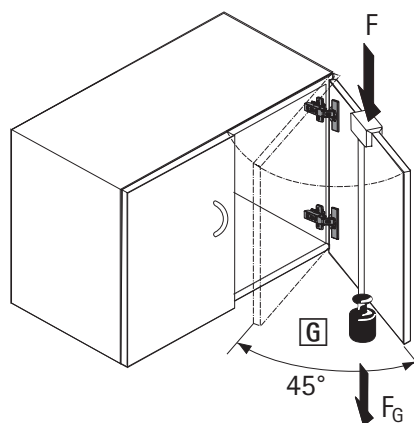
Horizontal test

The door is over-opened with a defined test force F. (This test only applies to hinges with an opening angle < 135°.)



Vertical loading test

The door is subjected to a specific number of opening and closing cycles under a defined additional load G.





The perfect connection between door and carcass at all times – precisely that is assured by the Hettich hinge range. Whether glass, metal, wood or lightweight material:

the range includes the ideal hinge for every material and almost every application.



Glass-door hinge for all-glass constructions with glass 5 - 8 mm thick.



Recessed hinges in stainless-steel effect. For doors from 18 to 50 mm thick.



Folding-door hinge with adjustable offset pivot.



The flap hinge Markant 11 can be adjusted in height and depth, as well as sideways. This ensures precise alignment of the flaps.



Range summary

194 - 195



Quality criteria

191

Special hinges

► Range summary



Special hinges for doors
from 10 mm

196 - 197



Glass-door hinges

198 - 206



Folding door hinges

207 - 209



ET 582 for refrigerator surrounds

210



Door-on-door slider fitting for refrigerator surrounds

211



Face frame hinge with spring system

212



Optimat Plus 3 FM concealed hinge for front frame

213



Excellent, cylinder hinge for hole-mounting

214 - 215



Recessed hinges

216 - 221



Piano hinges

222 - 224



Screw-on hinges

225 - 227



Pivot hinges

228 - 230



Double swing door fitting

231



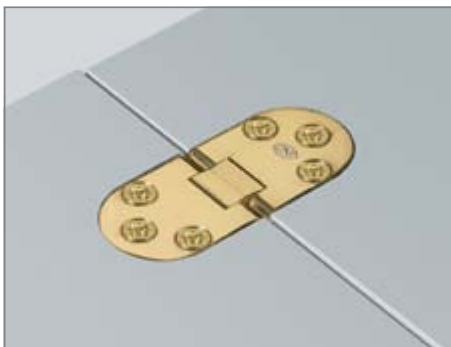
Flap hinges

232 - 237



Corner unit hinge 121

238



Sewing table hinge 130

239



Table hinge 120

240



Mirror door hinge Novi

241

Special hinge

- ▶ For doors over 10 mm thick
- ▶ 3-dimensional adjustment



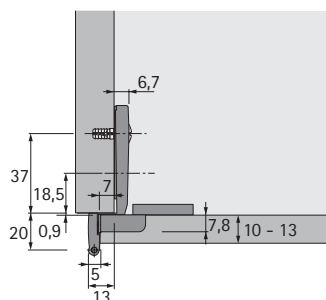
- ▶ For overlay doors
- ▶ For 10, 13 and 19-mm cabinet sides
- ▶ For door thicknesses of 10 - 13 mm
- ▶ Opening angle 270° / 240°
- ▶ With visible knuckle 5 mm
- ▶ With self-closing feature
- ▶ Height adjustment ± 2 mm
- ▶ Overlay adjustment + 1 mm / - 2 mm
- ▶ Depth adjustment ± 1 mm
- ▶ Protected shaft in abrasion-proof plastic bearings
- ▶ Including fixing screws
- ▶ Zinc die-cast nickel-plated

Special hinge for doors over 10 mm thick

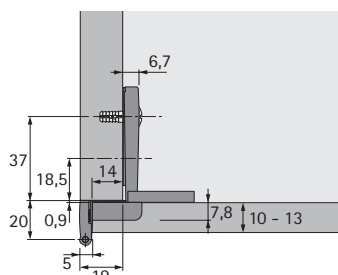
Mounting option	Carcase side mm	Door reveal mm	Opening angle °	Order no.	PU
Overlay	10	3.5	270	9 079 365	1/50 ea.
Overlay	13	7	270	9 079 367	1/50 ea.
Overlay	19	13	270	9 079 368	1/50 ea.
Overlay	13	3.5	240	9 079 370	1/50 ea.
Overlay	19	7	240	9 079 371	1/50 ea.

Mounting examples

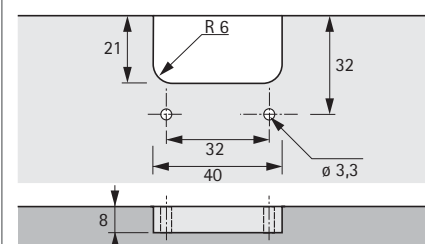
Carcase side 10 - 13 mm



Carcase side 19 mm

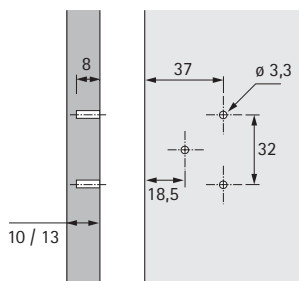


Drilling pattern, door

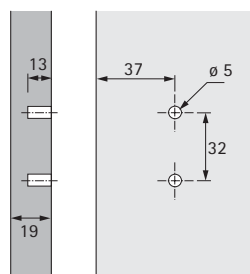


Drilling pattern, carcase side

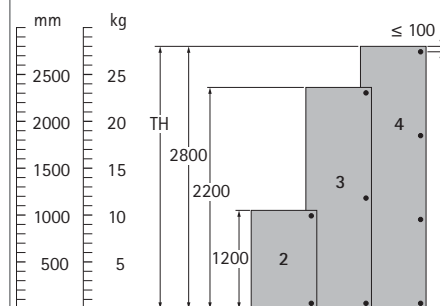
Carcase side 10 - 13 mm



Carcase side 19 mm



Mounting instructions



Special hinge

- ▶ For doors over 10 mm thick
- ▶ 2-dimensional adjustment



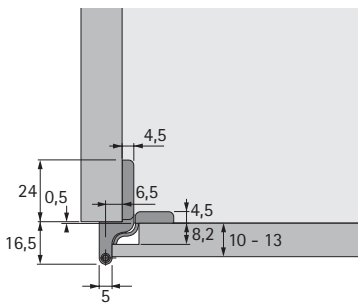
- ▶ For overlay doors
- ▶ For 10 and 13-mm cabinet sides
- ▶ For door thicknesses of 10 - 13 mm
- ▶ Door reveal 3.5 mm
- ▶ Opening angle 270° / 240°
- ▶ With visible knuckle 5 mm
- ▶ With self-closing feature
- ▶ Height adjustment ± 2 mm
- ▶ Overlay adjustment - 1 mm
- ▶ Protected shaft in abrasion-proof plastic bearings
- ▶ Including fixing screws

Special hinge for doors over 10 mm thick

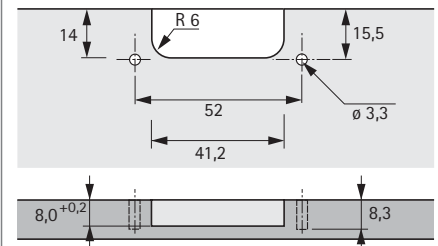
Material / surface	Order no.	PU
Zinc die cast-plated	9 079 373	1/100 ea.
Stainless steel	9 079 377	1/20 ea.

Mounting examples

Carcase side 10 - 13 mm

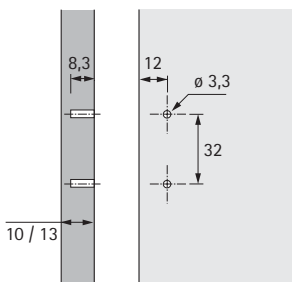


Drilling pattern, door

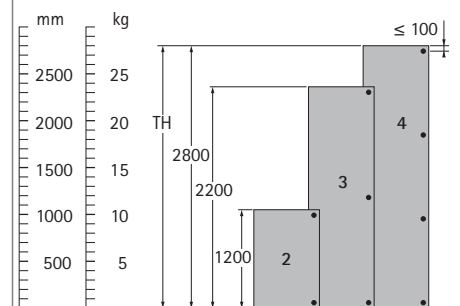


Carcase-side hole pattern

Carcase side 10 - 13 mm



Mounting instructions



Special hinge

- ▶ All-glass hinge
- ▶ For constructions with glass sides and door



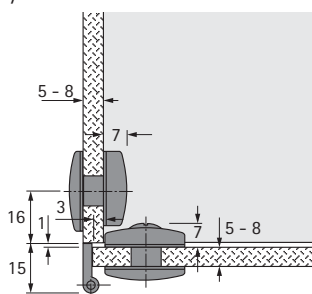
- ▶ For overlay and inset glass doors
- ▶ Opening angle 260° / 220°
- ▶ For glass 5 - 8 mm thick
- ▶ Loading capacity:
 - 24 kg with four hinges
 - 19 kg with three hinges
 - 10 kg with two hinges
- ▶ Maximum door height 200 cm
- ▶ With visible knuckle 5 mm
- ▶ With self-closing feature
- ▶ Height adjustment ± 1 mm
- ▶ Overlay adjustment + 1 mm
- ▶ Including fixing screws and plastic liners
- ▶ Zinc, die cast

All-glass hinge

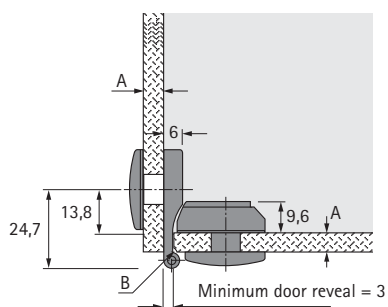
Mounting option	Opening angle °	Finish	Order no.	PU
Overlay	260	Nickel-plated matt	9 079 358	1/20 ea.
Inset	220	Nickel-plated matt	9 079 361	1/20 ea.

Mounting examples

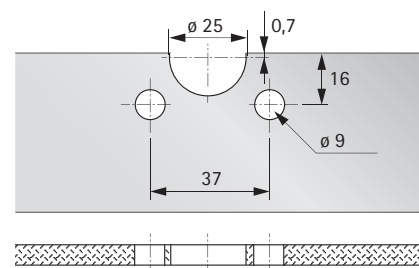
Overlay



Inset

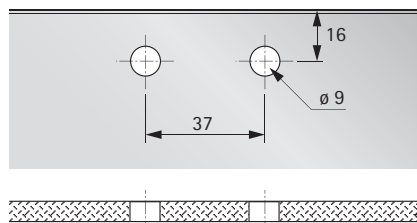


Drilling pattern, overlay glass door

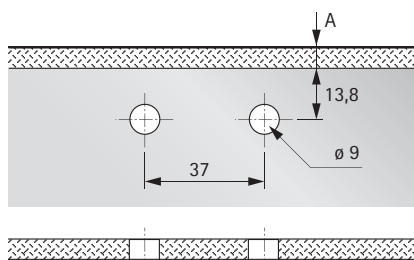


Drilling pattern, carcase side

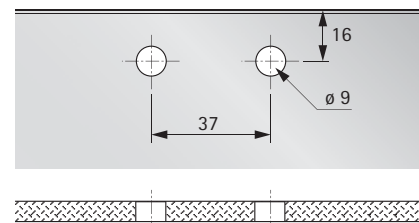
Overlay



Inset



Drilling pattern, inset glass door



Dimension A mm	Dimension B mm (bevel)
5	1 x 45°
6	2 x 45°
7	3 x 45°
8	4 x 45°

Special hinge

- ▶ Glass-door hinge
- ▶ For overlay or inset doors



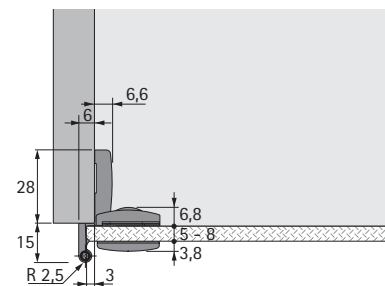
- ▶ Opening angle 230° / 190°
- ▶ For glass 5 - 8 mm thick
- ▶ Loading capacity:
24 kg with four hinges
19 kg with three hinges
10 kg with two hinges
- ▶ Maximum door height 200 cm
- ▶ With visible knuckle 5 mm
- ▶ With self-closing feature
- ▶ Height adjustment ± 1 mm
- ▶ Overlay adjustment + 1 mm
- ▶ Including fixing screws and plastic liners
- ▶ Zinc, die cast

Glass-door hinge

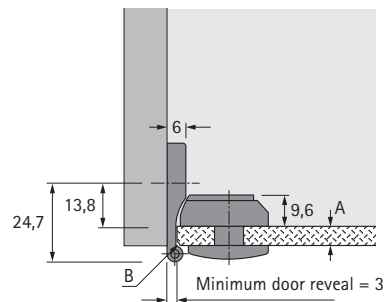
Mounting option	Opening angle °	Finish	Order no.	PU
Overlay	230	Nickel-plated matt	9 079 352	1/50 ea.
Inset	190	Nickel-plated matt	9 079 355	1/50 ea.

Mounting example

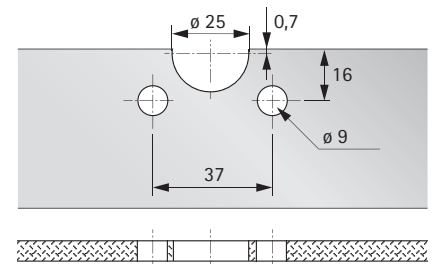
Overlay



Inset

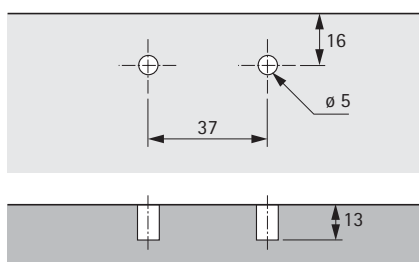


Drilling pattern, overlay glass door

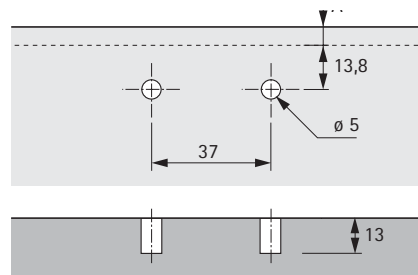


Drilling pattern, carcase side

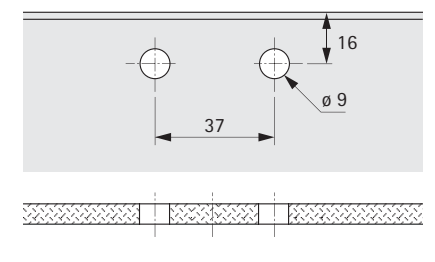
Overlay



Inset



Drilling pattern, inset glass door



Dimension A mm	Dimension B mm (bevel)
5	1 x 45°
6	2 x 45°
7	3 x 45°
8	4 x 45°

Special hinge

- ▶ Glass-door hinge ET 5150
- ▶ For inset doors



- ▶ Door size max. 1000 x 600 mm
- ▶ Glass thickness max. 6.3 mm
- ▶ Opening angle 170°
- ▶ With self-closing feature
- ▶ A reveal of 2.2 mm is required at the top and bottom, as well as 2 or 3 mm at the sides.
- ▶ The hinge is secured to the glass door by a clamping screw making it unnecessary to drill into the glass.
- ▶ Glass-door hinge ET 5150 Z must be fitted additionally on doors over 1000 mm, see page 201
- ▶ Zinc, die cast

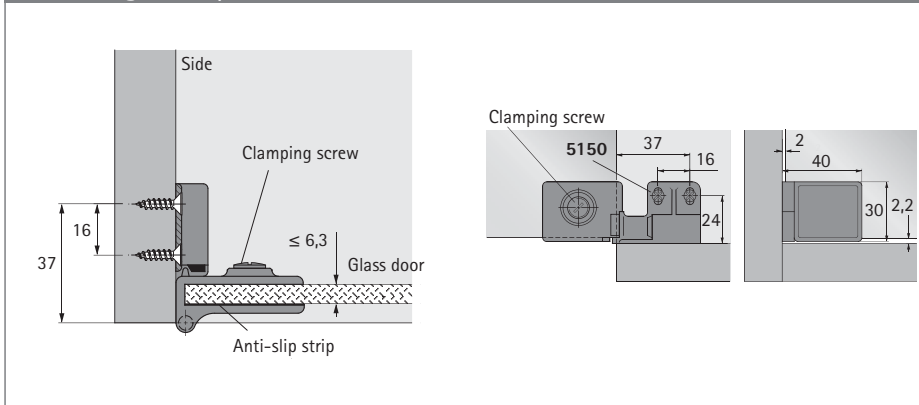
Glass door handle

- ▶ Design matches glass-door hinge ET 5150 / ET 5160
- ▶ The handle is secured to the glass door by a clamping screw
- ▶ Dimensions: height 30 mm, width 40 mm, depth 34 mm
- ▶ Zinc, die cast

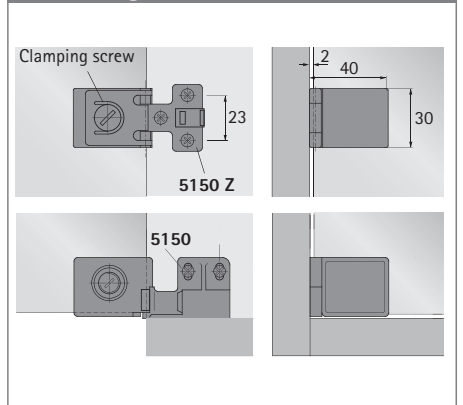
Glass-door hinge ET 5150

Article	Finish	Order no.	PU
Glass-door hinge ET 5150	Nickel-plated matt	0 024 908	1/20 pair
Glass-door hinge ET 5150	Gold-plated gloss	0 024 909	1/20 pair
Glass door handle	Nickel-plated matt	0 025 314	1/20 ea.
Glass door handle	Gold-plated gloss	0 025 315	1/20 ea.

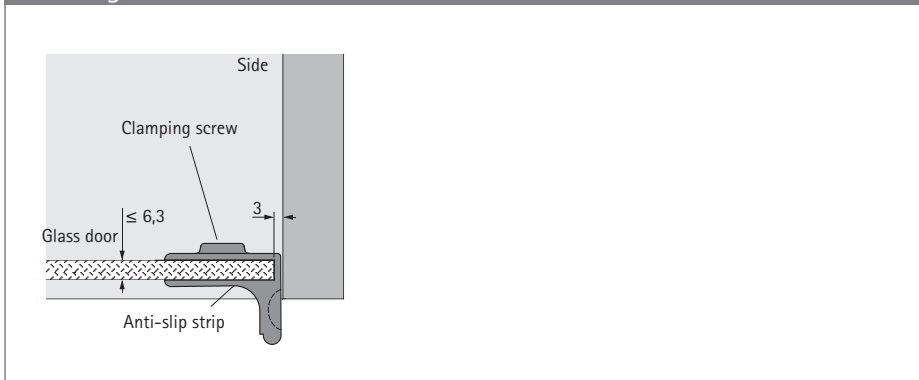
Mounting examples



Mounting note



Drawing of handle



Note

Attachment by 3.5 mm \varnothing wood screws.

ET 5150 Z is used in combination with the glass-door hinge ET 5150 for tall doors (see mounting advice).

Glass-door hinge is only available as a complete set comprising a top and bottom hinge.

Special hinge

- ▶ Glass-door hinge ET 5150 Z
- ▶ For inset doors

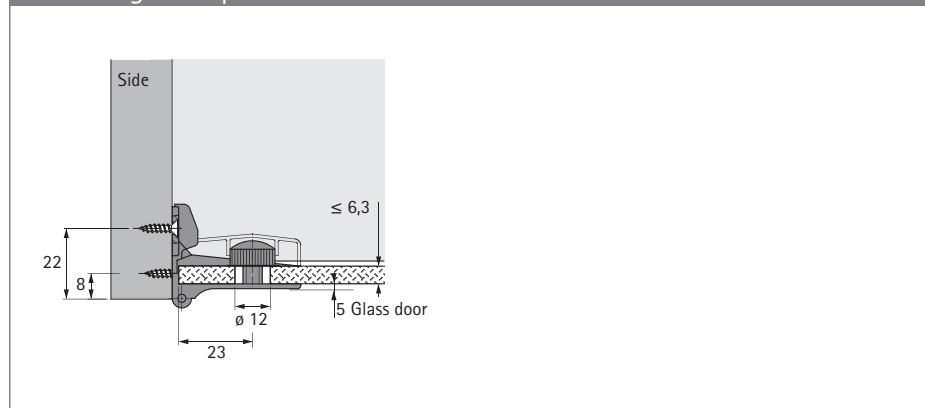


- ▶ Glass thickness max. 6.3 mm
- ▶ Hole diameter 12 mm
- ▶ Opening angle 180°
- ▶ With self-closing feature
- ▶ A reveal of 2 mm is required at the sides
- ▶ With cover cap
- ▶ The glass-door hinge is of the same design as hinge ET 5150 and can be combined with the latter on taller doors, see page 200
- ▶ Zinc, die cast

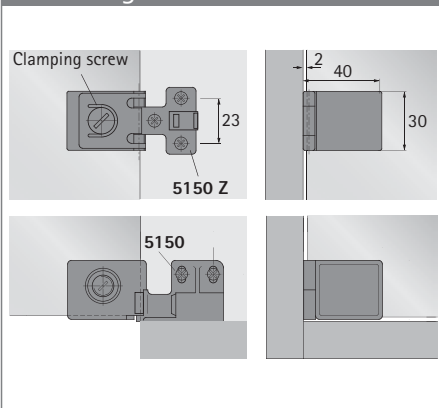
Glass-door hinge ET 5150 Z

Finish	Order no.	PU
Nickel-plated matt	0 069 934	1/10 ea.
Gold-plated gloss	0 069 935	1/10 ea.

Mounting examples



Mounting note



Note

Attachment by 3.5 mm \varnothing wood screws.

ET 5150 Z is used in combination with the glass-door hinge ET 5150 for tall doors (see mounting advice).

Special hinge

- ▶ Glass-door hinge ET 5160
- ▶ For overlay doors



- ▶ Door size max. 1000 x 600 mm
- ▶ Glass thickness max. 6.3 mm
- ▶ Opening angle 170°
- ▶ With self-closing feature
- ▶ Door overlay 3.3 mm at top and bottom, 11.5 mm at sides
- ▶ The hinge is secured to the glass door by a clamping screw making it unnecessary to drill into the glass.
- ▶ Zinc, die cast

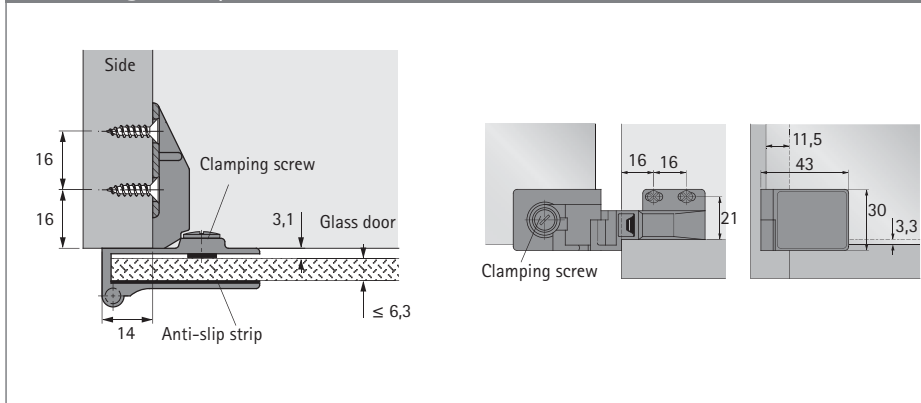
Glass door handle

- ▶ Design matches glass-door hinge ET 5150 / ET 5160
- ▶ The handle is secured to the glass door by a clamping screw
- ▶ Dimensions: height 30 mm, width 40 mm, depth 34 mm
- ▶ Zinc, die cast

Glass-door hinge ET 5160

Article	Finish	Order no.	PU
Glass-door hinge ET 5160	Nickel-plated matt	0 030 866	1/20 pair
Glass-door hinge ET 5160	Gold-plated gloss	0 040 719	1/20 pair
Glass door handle	Nickel-plated matt	0 025 314	1/20 ea.
Glass door handle	Gold-plated gloss	0 025 315	1/20 ea.

Mounting examples



Note

Attachment by 3.5 mm \varnothing wood screws.

Glass-door hinge is only available as a complete set comprising a top and bottom hinge.

Special hinge

- ▶ Glass-door hinge ET 150
- ▶ For inset doors



- ▶ Door size max. 1000 x 500 mm
- ▶ Glass thickness max. 5.2 mm
- ▶ Opening angle 105°
- ▶ A reveal of 3 mm is required at the top and bottom, as well as 2.8 mm at the sides.
- ▶ The hinge is secured to the glass door by a clamping screw making it unnecessary to drill into the glass.
- ▶ Zinc, die cast

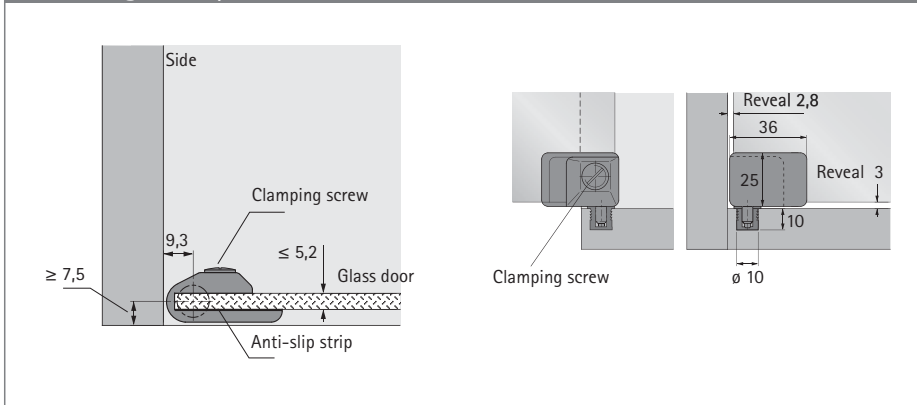
Push handle

- ▶ Design matches glass-door hinge ET 150
- ▶ The handle is secured to the glass door by a clamping screw
- ▶ Door is kept closed by the magnetic catch D7 / GP9 (black plastic)
- ▶ Dimensions: height 25 mm, width 36 mm, depth 17 mm
- ▶ Zinc, die cast

Glass-door hinge ET 150

Article	Finish	Order no.	PU
Glass-door hinge ET 150	Nickel-plated matt	0 020 870	1/20 pair
Push handle on left	Nickel-plated matt	0 020 871	1/20 ea.
Push handle on right	Nickel-plated matt	0 020 872	1/20 ea.

Mounting examples



Note

Glass-door hinge is only available as a complete set comprising a top and bottom hinge.

Magnetic catch D7 / GP9



- ▶ Holding force 0.7 - 1.1 kg
- ▶ Lift 11 mm
- ▶ Width 40 mm
- ▶ Height 16 mm
- ▶ Depth 36 mm
- ▶ Hole spacing 32 mm
- ▶ Black plastic
- ▶ Rigid counterplate, galvanised steel

Order no.	PU
0 020 873	1/20 ea.

Special hinge

- ▶ Glass-door hinge GT 3145
- ▶ For inset doors



- ▶ Glass thickness 5 - 6 mm
- ▶ The hinge is secured to the glass door by a clamping screw making it unnecessary to drill into the glass.
- ▶ With spring mechanism
- ▶ Side panel element secured with countersunk wood screws \varnothing 3 mm, head dia. 5 mm
- ▶ The glass door is held securely by an anti-slip element in the door section
- ▶ Zinc, die cast

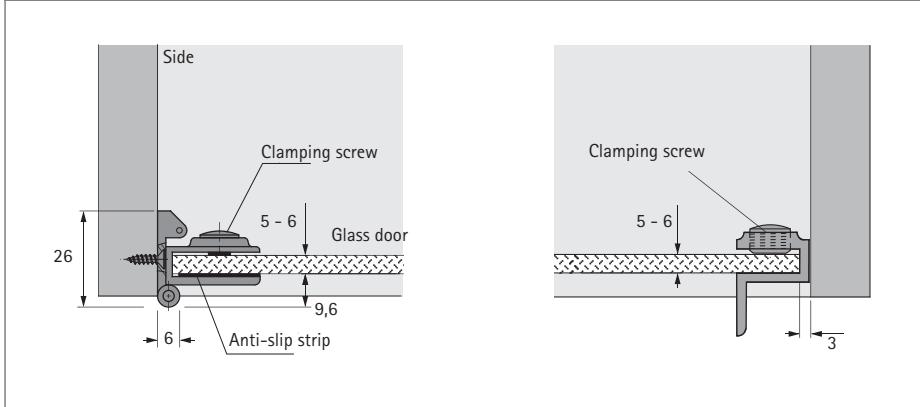
Glass door handle

- ▶ Design matches glass-door hinge
- ▶ The handle is secured to the glass door by a clamping screw and can be fitted anywhere on the glass door
- ▶ Dimensions: height 20 mm, width 20 mm, depth 31 mm
- ▶ Zinc, die cast

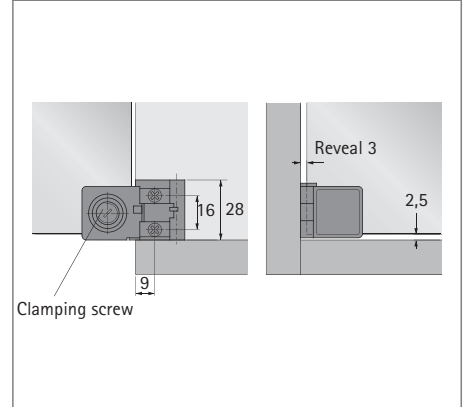
Glass-door hinge GT 3145

Article	Finish	Order no.	PU
Glass-door hinge GT 3145	Black	0 072 888	1/10 pair
Glass door handle	Black	0 072 889	1/10 ea.

Mounting example



Mounting note



Note

Glass-door hinge is only available as a complete set comprising a top and bottom hinge.

Special hinge

- ▶ Glass-door hinge GT 3000
- ▶ For inset doors

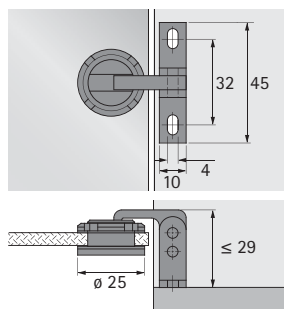
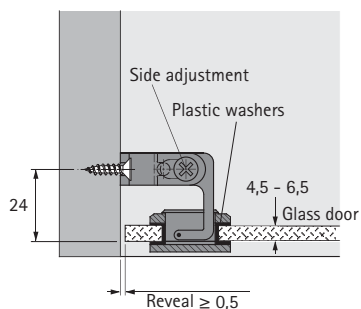


- ▶ Solid material, drilled and milled
- ▶ Glass thickness 4.5 - 6.5 mm
- ▶ Glass drilling \varnothing 19 mm, with grooved nut for securing in the glass
- ▶ Automatic compensation of glass thickness tolerances
- ▶ For 32 mm hole line spacing
- ▶ Tarnish-resistant
- ▶ Opening angle stopped at an opening angle of approx. 105°
- ▶ Recess in connecting arm of door element prevents inadvertent unhinging
- ▶ Door and frame element securely held by self-locking screw
- ▶ Height adjustment approx. 2 mm
- ▶ Lateral adjustment approx. 2.5 mm
- ▶ Front panel \varnothing 25 mm
- ▶ Attachment by 3.5 mm \varnothing wood screws
- ▶ Solid brass

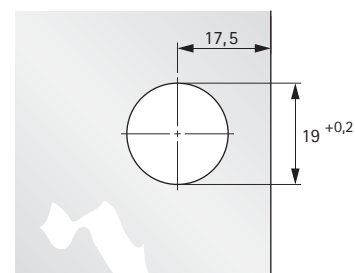
Glass-door hinge GT 3000

Finish	Order no.	PU
Polished	0 031 107	1/20 ea.
Chrome-plated, gloss	0 031 108	1/20 ea.

Mounting examples



Drilling pattern, glass door



Special hinge

- ▶ Glass-door hinge GT 6000
- ▶ For overlay or inset doors



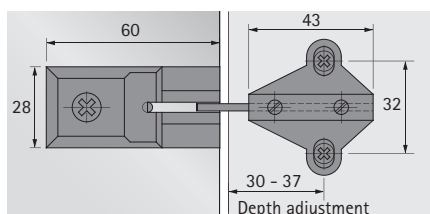
- ▶ Glass thickness 4.5 - 7 mm
- ▶ Opening angle 90°
- ▶ Catch with perfect self-closing function
- ▶ Lateral and height adjustment for 32 mm hole line spacing
- ▶ Infinitely adjustable 30 - 37 mm hole depth
- ▶ Robust all-metal version

Glass-door hinge GT 6000

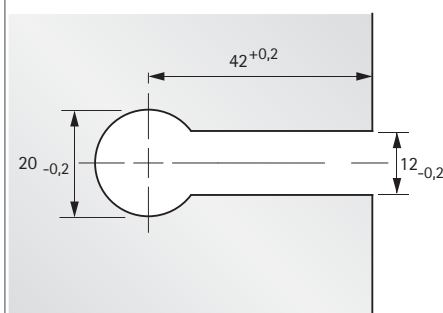
Article	Hinge surface	Finish of decorative cap	Order no.	PU
Overlay 13 mm	Silver	Silver sanded	0 031 118	1/20 ea.
Overlay 6 mm	Silver	Silver sanded	0 031 115	1/20 ea.
Inset door	Silver	Silver sanded	0 031 121	1/20 ea.

Mounting examples

Attachment with countersunk wood screws
 \varnothing 3.5 x 20 mm

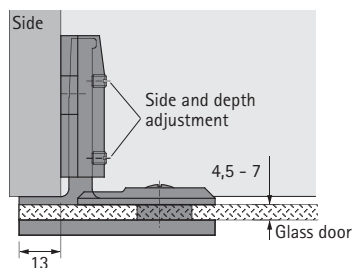


Drilling pattern, glass door

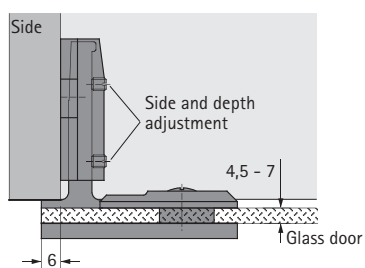


Full overlay

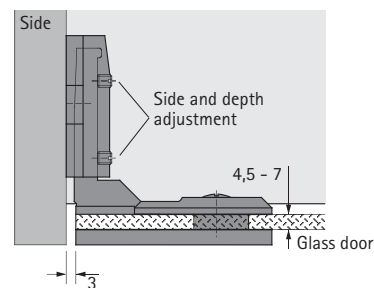
Overlay 13 mm



Overlay 6 mm



Inset door



Special hinge

- ▶ Centre hinge
- ▶ For folding doors, opening angle 180°



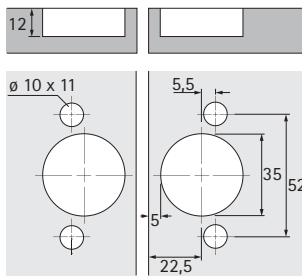
- ▶ For doors over 15 mm thick
- ▶ The reveal can be infinitely adjusted from minimum reveal to + 4 mm, application is always flush
- ▶ Same drilling pattern for door and side element, both elements are mounted separately
- ▶ Gradual adjustment of the pivot offset with 0 mm, 3 mm and 6 mm
- ▶ Zinc, die cast

Centre hinge with adjustable offset pivot

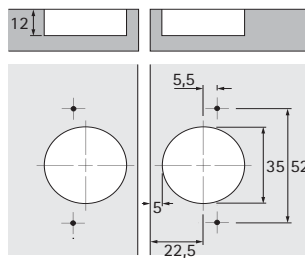
Mounting option	Finish	Order no.	PU
Press-in type	Nickel-plated	0 052 095	1/10 ea.
Screw-on type	Nickel-plated	0 046 787	1/10 ea.

Drilling pattern

Press-in type



Screw-on type

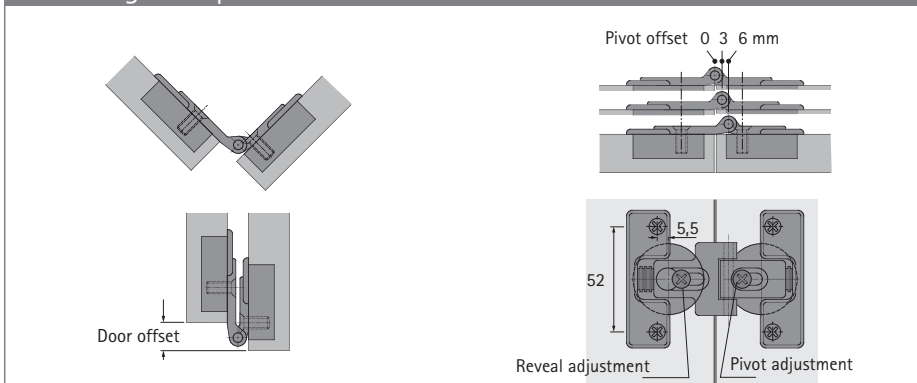


Note

Secured with countersunk fixing screws $\varnothing 3.5 \times 16$ mm, for screw-on version

Screws, see page 207

Mounting examples



Pivot offset mm	Door offset mm
0	0
3	6
6	12

Special hinge

- ▶ Clip-on centre hinge
- ▶ For folding doors, opening angle 180°

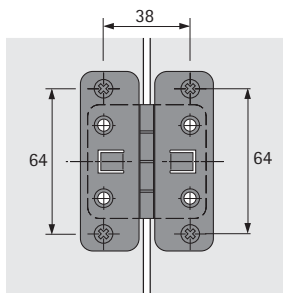


- ▶ The individual door wings are instantly connected from bottom to top by clipping or engaging the clip-on centre hinges one after another.
- ▶ Fixing plate: black plastic
- ▶ Hinge: nickel-plated steel

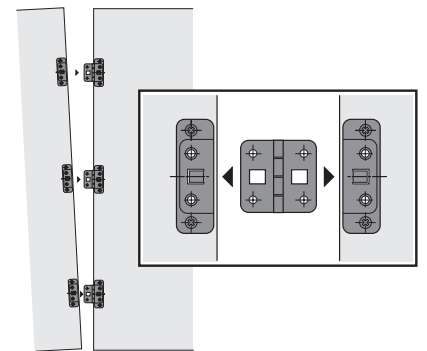
Centre hinge for clipping on for folding doors

Hinge surface	Surface of mounting plate	Order no.	PU
Nickel-plated	Black	0 079 373	1/10 ea.

Drilling pattern

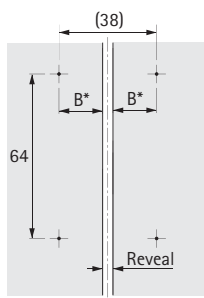


Mounting note

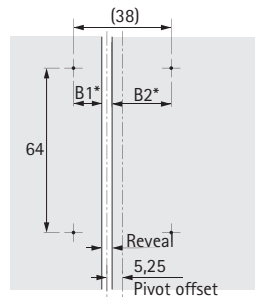


Stop

central



with pivot offset



Mounting note

Calculation of the pivot offset for folding doors – see page 209

Attachment by countersunk wood screws \varnothing 3.5 mm

Mounting with pivot offset

* B 1 Hole spacing mm	10.5	11	11.5	12	12.5
* B 2 Hole spacing mm	22.5	23	23.5	24	24.5
Reveal mm	5	4	3	2	1
Centred mounting					
* B Hole spacing mm	16.5	17	17.5	18	18.5
Reveal mm	5	4	3	2	1

* Make trial mounting

Special hinge

- ▶ Centre hinge 625
- ▶ For folding doors, opening angle 180°

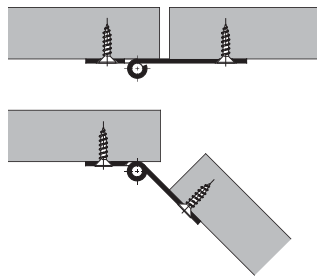
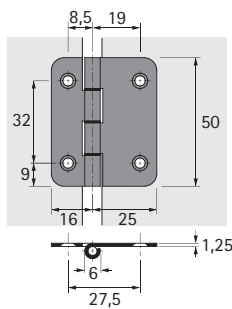


- ▶ Centre hinge 625 is particularly suitable for use with folding doors
- ▶ Favourable running properties due to abrasion-resistant distance rings with swivel bearing
- ▶ With fixed steel pin
- ▶ Steel

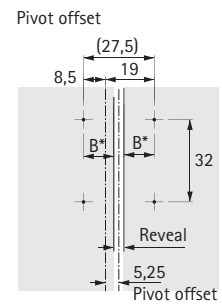
Centre hinge 625

Finish	Order no.	PU
Nickel-plated	0 071 648	1/10 ea.

Drilling pattern



Mounting with pivot offset

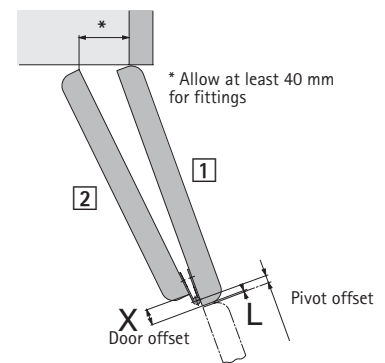


Calculation of the pivot offset for folding doors

- 1) Mount 1st door half with 110° hinges on carcase and adjust reveal
 - 2) Mount 2nd door half with running and guide elements on the running and guide profile and adjust the reveal (oblong holes in the running and guide elements)
 - 3) Push the 1st and 2nd door halves together in open position (see diagram)
 - 4) Measure value X at the outer edges of the door
 - 5) Value L equals the required clearance
 - 6) Half the door offset (value X) plus half the clearance (value L) equals the pivot offset
- Pivot offset = $(X + L) / 2$

Secured with countersunk fixing screws $\varnothing 3.5$ mm

Mounting note



Mounting with pivot offset

* B Hole spacing mm	11.25	11.75	12.25	12.75	13.25
Reveal mm	5	4	3	2	1

* Make trial mounting

Special hinge

- ▶ ET 582
- ▶ For refrigerator surrounds, opening angle 95°

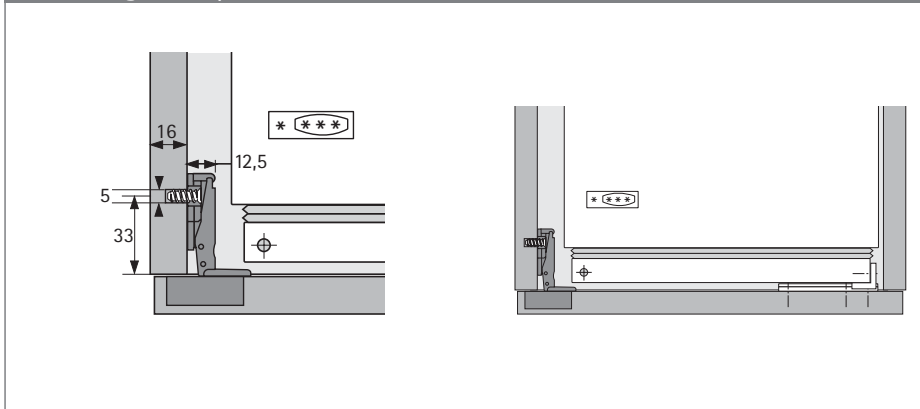


- ▶ For doors over 16 mm thick
- ▶ Cup diameter 35 mm
- ▶ Cup depth 12.8 mm
- ▶ With self-closing feature
- ▶ Complete with mounting plate and clipped-on plastic distance plate
- ▶ Using the plastic distance plate produces a distance of 3 mm
- ▶ Integrated overlay adjustment ± 1 mm
- ▶ Depth adjustment ± 3 mm
- ▶ Hinge arm: steel
- ▶ Hinge cup: zinc die-cast

Special hinge ET 582

Finish	Order no.	PU
Nickel-plated	0 072 134	1/10 ea.

Mounting example



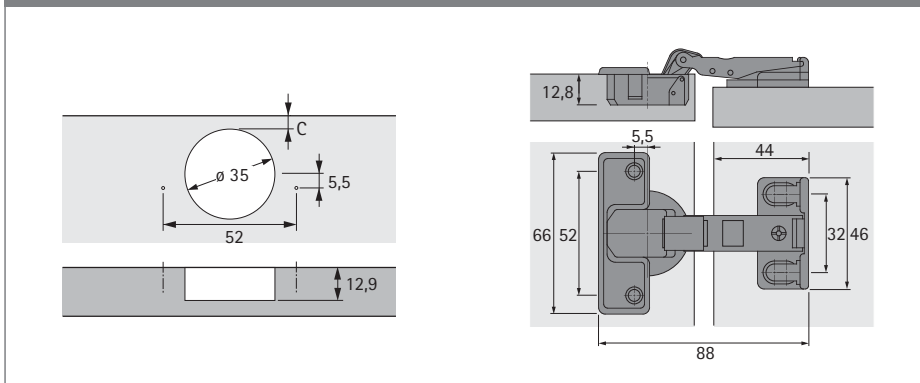
Note

Attachment of the mounting plate:
33 mm from cabinet front edge
Overlay 14.5 mm with distance 3 mm
and dimension C 4.5 mm.

Attachment of hinge cup with countersunk
fixing screws $\varnothing 3.5 \times 16$ mm
Hinge arm secured with direct
fixing screws $\varnothing 6.3 \times 11$ mm,
 $\varnothing 6.3 \times 13$ mm or $\varnothing 6.3 \times 15$ mm.

Screws, see page 110

Hole dimensions



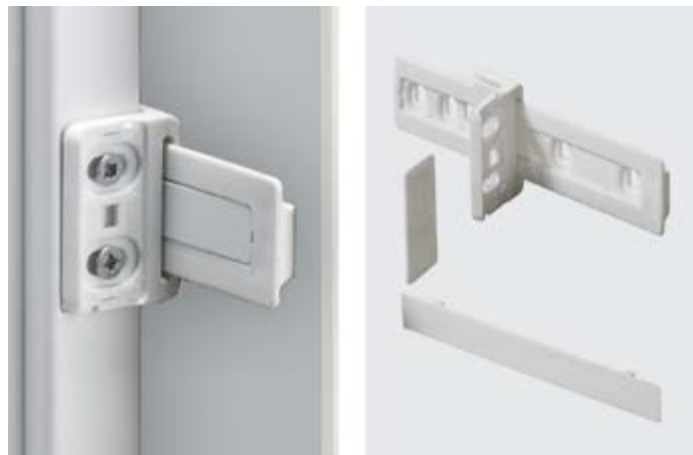
Note

Dimension C can be freely selected between
3 mm and 5 mm

Mounting plate+ plastic distance plate= 3 mm distance		Mounting plate without plastic distance plate= 0 mm distance	
Dimension C mm	Overlay mm	Dimension C mm	Overlay mm
3.0	13.0	3.0	16.0
3.5	13.5	3.5	16.5
4.0	14.0	4.0	17.0
4.5	14.5	4.5	17.5
5.0	15.0	5.0	18.0

Special hinge

- ▶ Door-on-door slider fitting for refrigerator surrounds
- ▶ For hinged doors

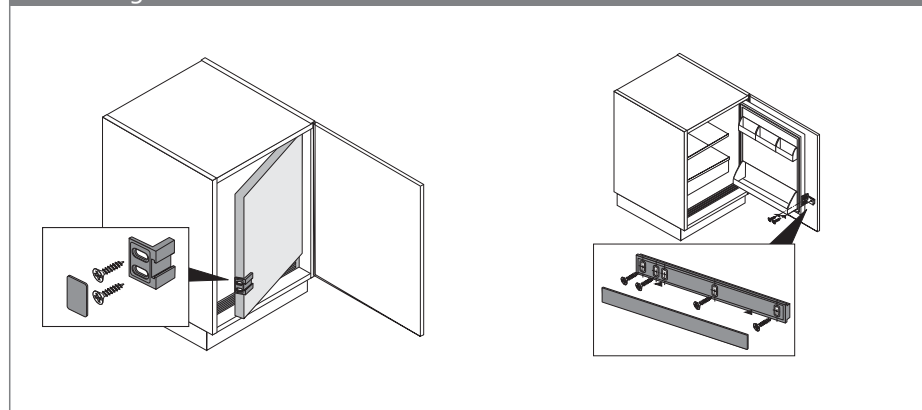


- ▶ Suitable for built-in refrigerators
- ▶ Allows cabinet and refrigerator door to be opened simultaneously
- ▶ All-inclusive kit complete with guide profile, refrigerator adapter and cover caps
- ▶ Plastic

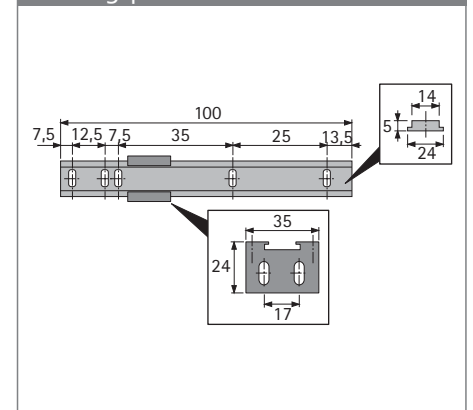
Door-on-door slider fitting for refrigerator surrounds

Finish	Order no.	PU
White	9 079 390	1 set

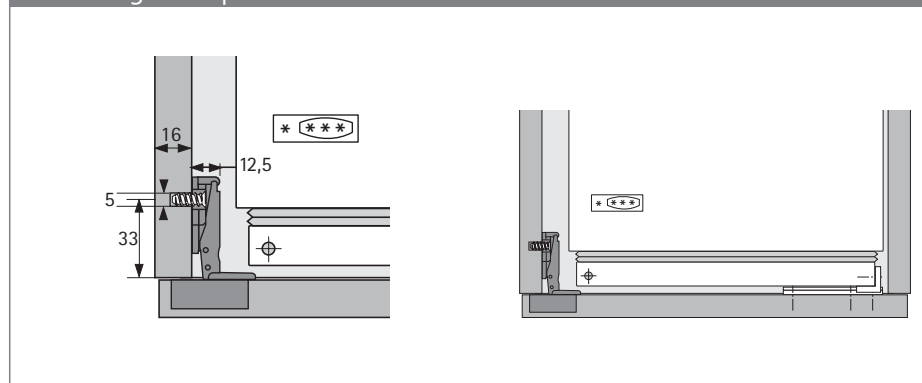
Mounting



Drilling pattern



Mounting example



Special hinge

- ▶ Face frame hinge with spring system
- ▶ For movable attached columns

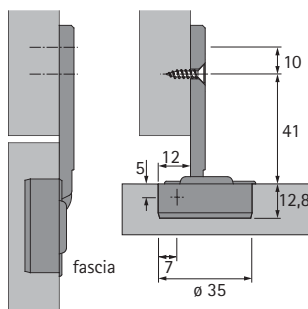


- ▶ For mounting movable attached columns
- ▶ The integrated movable spring system serves as a self-closing feature in 90° position and also holds the attached column in line with the door
- ▶ The flat side arm is particularly compact when the door is retracted between the main and auxiliary sides
- ▶ For use in retractable door fitting KA 5740, see page 660 – 661
- ▶ Cup depth 12.5 mm
- ▶ Zinc, die cast

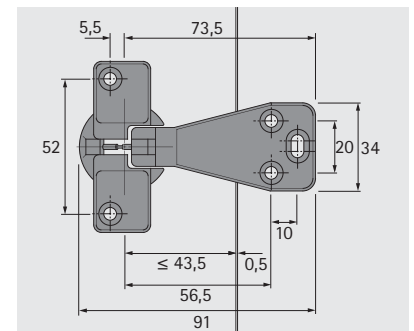
Face frame hinge with spring system

Finish	Order no.	PU
Nickel-plated	0 060 832	1/10 ea.

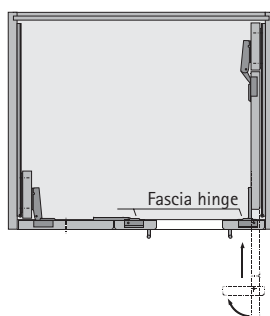
Mounting example



Drilling pattern



Mounting example



Note

Mounting example of pocket door fitting KA 5740 with face frame hinge

Attachment of hinge cup with countersunk fixing screws $\varnothing 3.5 \times 16$ mm
Attachment of hinge arm with countersunk fixing screws $\varnothing 4 \times 11$ mm or $\varnothing 4 \times 13$ mm in accordance with thickness of attached column

Screws, see page 110

Special hinge

- ▶ Optimat Plus 3 FM
- ▶ Concealed hinge for front frame, opening angle 110°

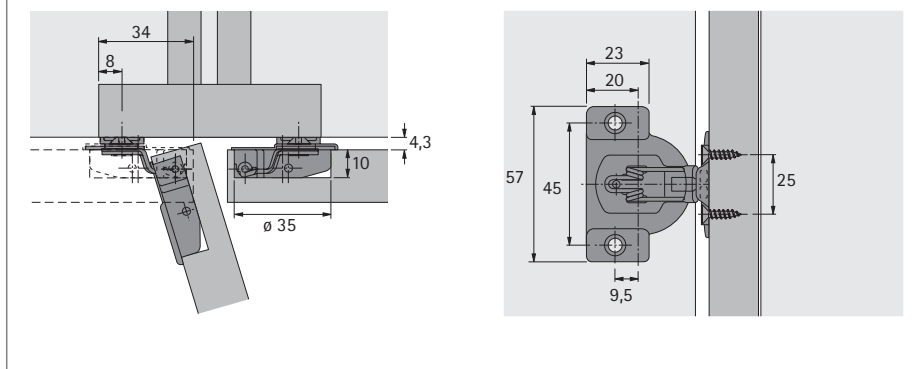


- ▶ Suitable for all frame widths
- ▶ Quality grades to EN 15570, Level 1
- ▶ For doors over 13 mm thick
- ▶ Cup diameter 35 mm
- ▶ Cup depth 10 mm
- ▶ With self-closing feature
- ▶ Minimum door reveal 34 mm
- ▶ Cup distance 2.5 mm
- ▶ Overlay adjustment ± 2 mm
- ▶ Height adjustment ± 2 mm
- ▶ Hinge cup and hinge arm secured with countersunk fixing screws $\varnothing 3.5 \times 16$ mm
- ▶ Hinge arm: steel
- ▶ Hinge cup: steel

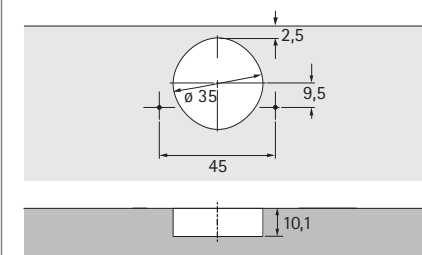
Optimat Plus 3 FM

Finish	Order no.	PU
Nickel-plated	0 045 517	1/10 ea.

Mounting example



Drilling pattern



Special hinge

- ▶ Excellent
- ▶ Cylinder hinge for hole-mounting, opening angle 180°

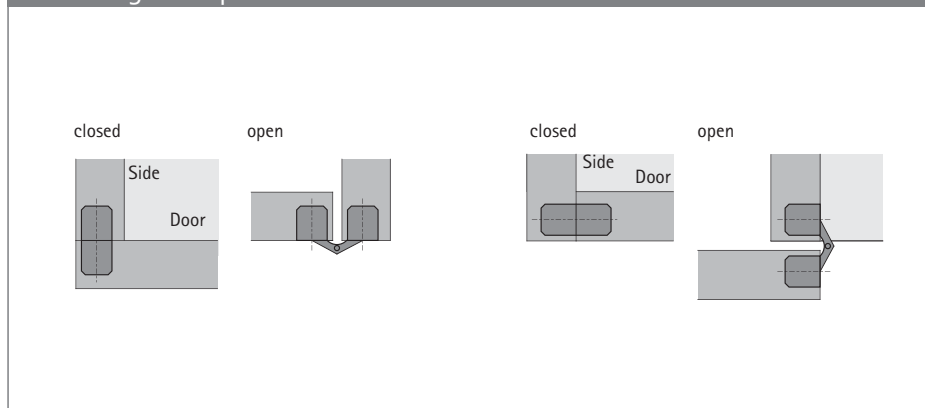


- ▶ For doors and flaps
- ▶ Suitable for use on left or right
- ▶ Brass

Concealed cylinder hinge Excellent

Cup diameter mm	Finish	Order no.	PU
10	matt, brushed	0 031 168	1/48 ea.
12	matt, brushed	0 031 169	1/48 ea.
14	matt, brushed	0 031 170	1/24 ea.
16	matt, brushed	0 031 171	1/24 ea.
18	matt, brushed	0 031 172	1/24 ea.
24	matt, brushed	0 031 173	1/12 ea.

Mounting examples

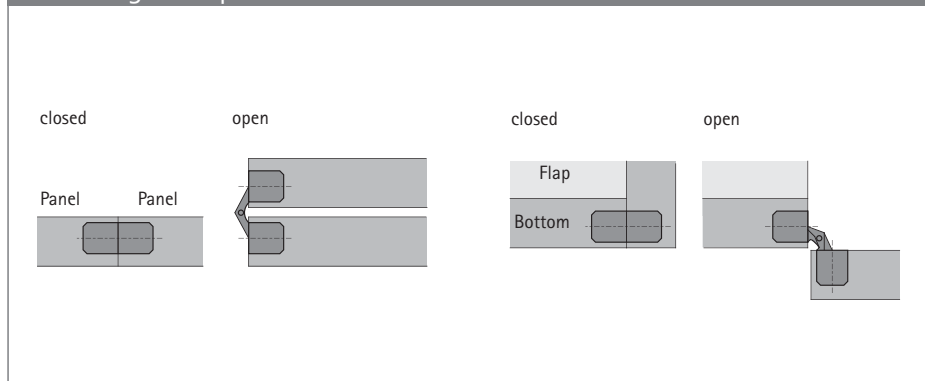


Mounting note

Mounted in the following sequence:

- ▶ Drill
- ▶ Insert with or without glue
- ▶ Attachment with expanding and wood screws DIN 97

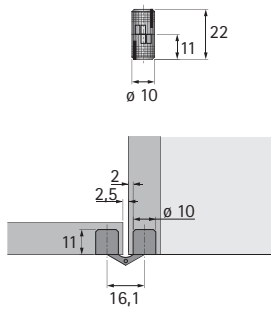
Mounting examples



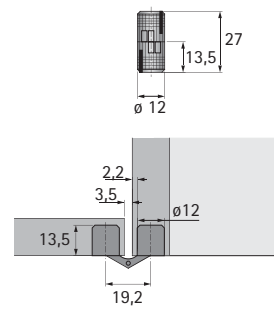
Special hinge

- ▶ Excellent
- ▶ Cylinder hinge for hole-mounting, opening angle 180°

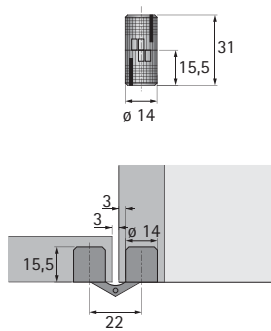
Ø 10 mm countersunk wood screws for Ø 2 mm



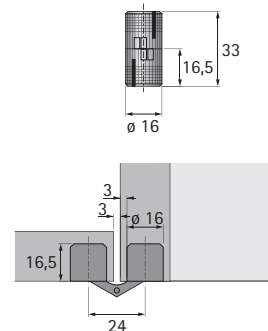
Ø 12 mm countersunk wood screws for Ø 2.5 mm



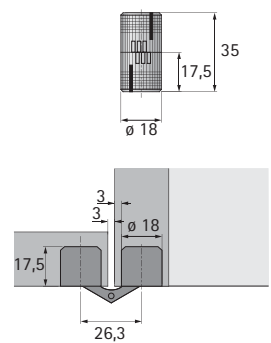
Ø 14 mm countersunk wood screws for Ø 2.5 mm



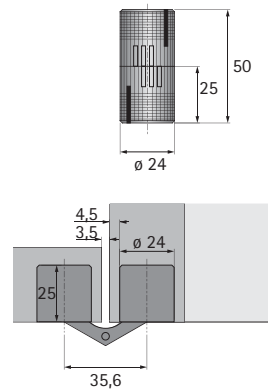
Ø 16 mm countersunk wood screws for Ø 3 mm



Ø 18 mm countersunk wood screws for Ø 3 mm



Ø 24 mm countersunk wood screws for Ø 3.5 mm



Special hinge

- ▶ Niro 66
- ▶ For recessing, opening angle 180°

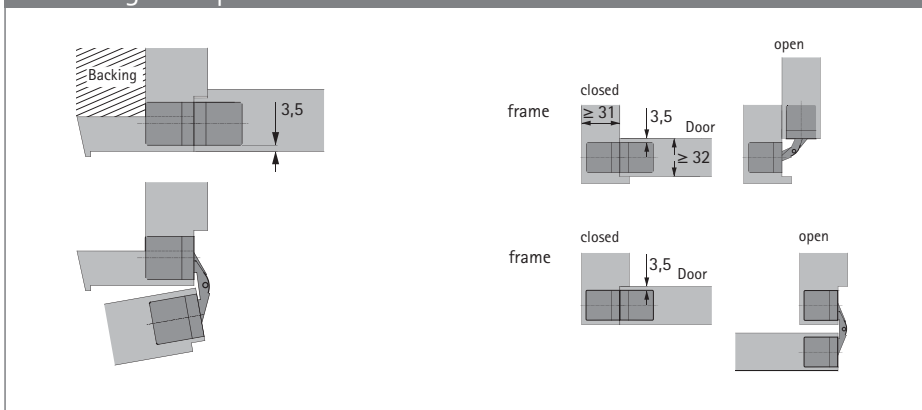


- ▶ For interior doors, folding doors, through doors for partition walls, windows, fitted cabinets, heavy cabinet doors and folding tables, as well as similar constructions
- ▶ Loading capacity:
30 kg with two hinges
50 kg with three hinges
- ▶ With plastic housing and rounded flaps for machine countersinking, router diameter 25 mm
- ▶ Suitable for use on left or right
- ▶ Attachment with countersunk wood screws \varnothing 5.5 mm
- ▶ Stainless steel

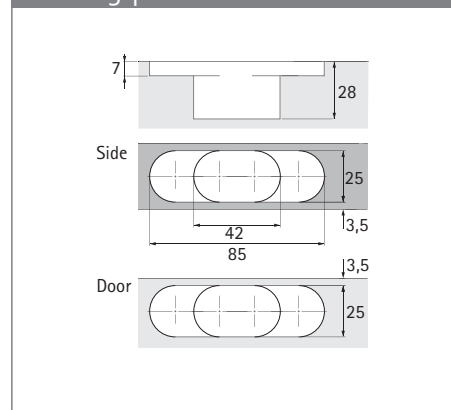
Niro 66 hinge

Finish	Order no.	PU
finely ground and brushed	0 031 184	1/2 ea.

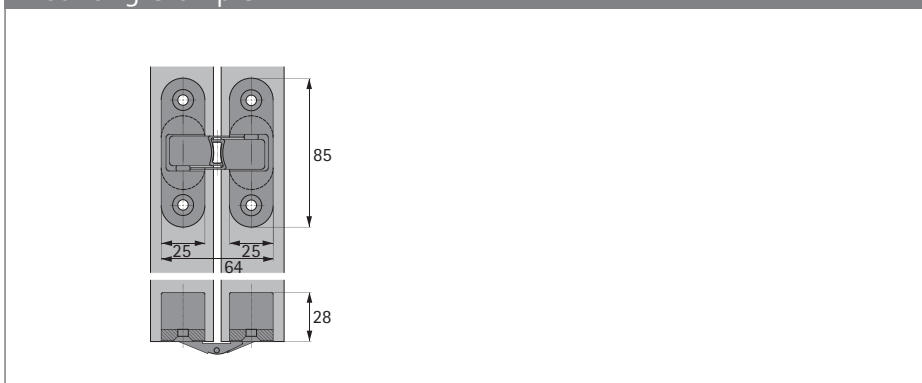
Mounting examples



Routing pattern



Mounting example



Special hinge

- ▶ Recessed hinge
- ▶ For panels from 18 to 50 mm thick, opening angle 180°

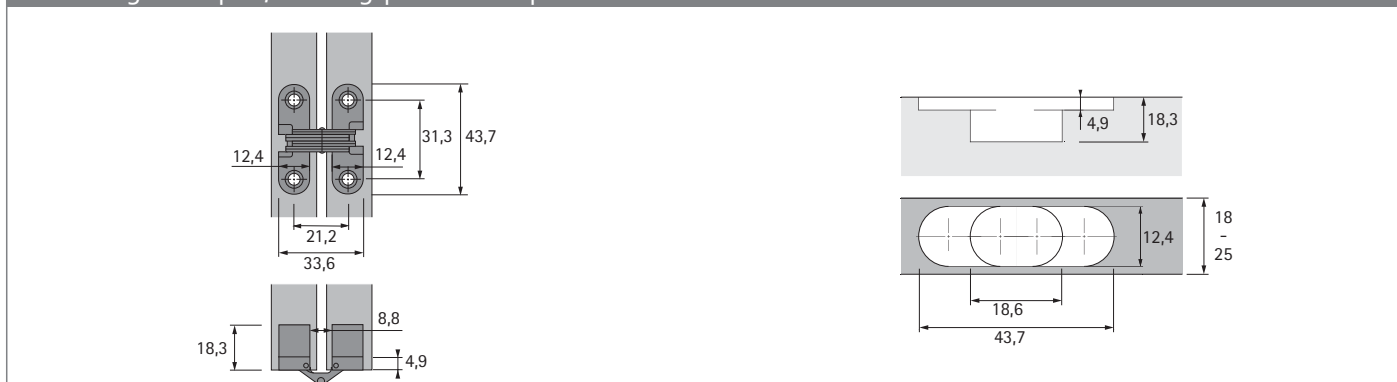


- ▶ For doors, folding doors, flap doors and similar constructions
- ▶ for machine countersinking
- ▶ Suitable for use on left or right
- ▶ Including fixing screws
- ▶ Zinc, die cast

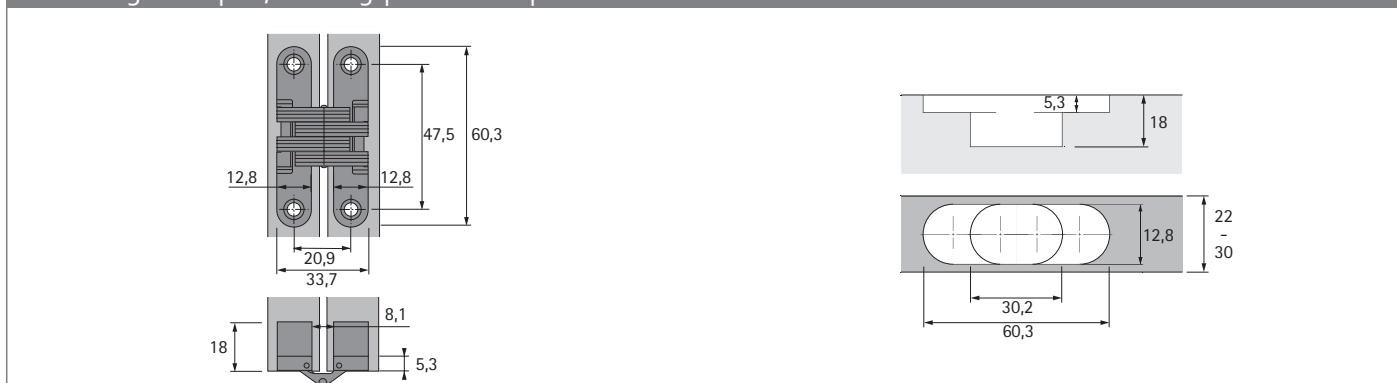
Recessed hinge

Door thickness mm	max. kg 2 hinges	Finish	Order no.	PU
18 - 25	7	Stainless-steel effect brushed	9 133 178	2 ea.
22 - 30	10	Stainless-steel effect brushed	9 133 179	2 ea.
28 - 40	20	Stainless-steel effect brushed	9 133 191	2 ea.
35 - 50	30	Stainless-steel effect brushed	9 133 192	2 ea.

Mounting example / routing pattern for panels 18 - 25 mm thick



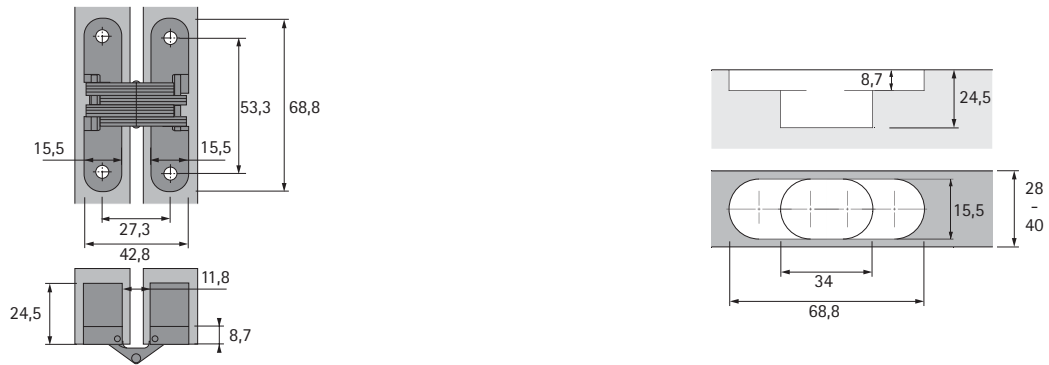
Mounting example / routing pattern for panels 22 - 30 mm thick



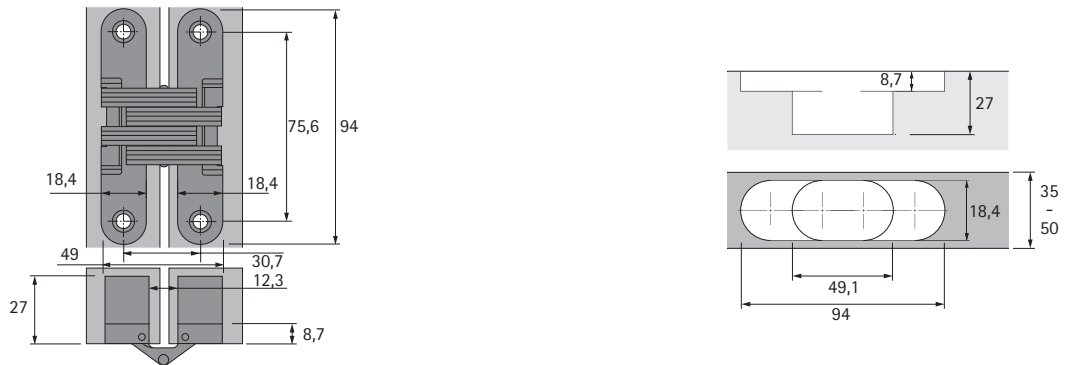
Special hinge

- ▶ Recessed hinge
- ▶ For panels from 18 to 50 mm thick, opening angle 180°

Mounting example / routing pattern for panels 28 - 40 mm thick



Mounting example / routing pattern for panels 35 - 50 mm thick



Special hinge

► **Stabilo 72**

► **For recessing, opening angle 180°**



- For lightweight furniture doors and flaps weighing up to 5 kg
- With rounded flaps for machine countersinking, router diameter 14 mm
- Suitable for use on left or right
- All-metal version

Stabilo 72 hinge

Finish	Order no.	PU
Burnished	0 042 557	1/10 ea.
Brass-plated	0 042 558	1/10 ea.
Nickel-plated	0 044 797	1/10 ea.

Mounting examples

Attachment with countersunk wood screws
ø 3 mm DIN 97

Routing pattern

Mounting examples

Attachment with countersunk wood screws
ø 3 mm DIN 97

Drilling pattern

Special hinge

- ▶ **Stabilo 75**
- ▶ **For recessing, opening angle 180°**



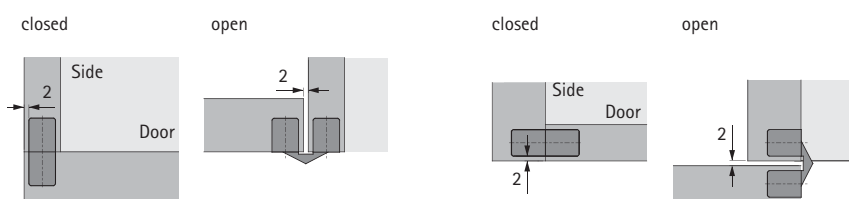
- ▶ For folding doors, lightweight furniture doors and flaps weighing up to 3.5 kg
- ▶ For machine countersinking, router diameter 11 mm
- ▶ Suitable for use on left or right
- ▶ With robust plastic housing and nickel-plated brass levers

Stabilo 75 hinge

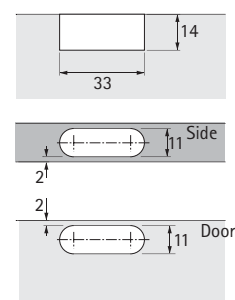
Hinge arm	Enclosure	Order no.	PU
Brass nickel-plated	Plastic white	0 042 339	1/10 ea.
Brass	Plastic brown	0 042 340	1/10 ea.

Mounting examples

Attachment with countersunk wood screws
ø 3 mm DIN 97

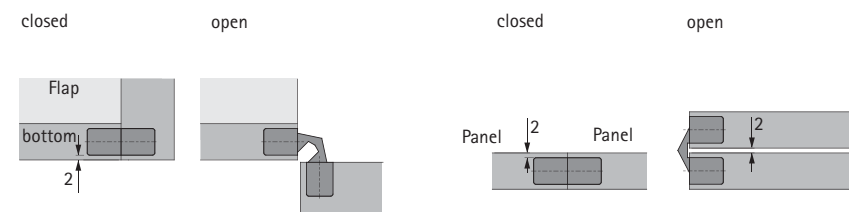


Routing pattern

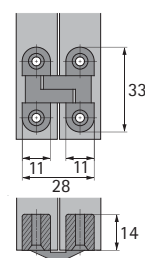


Mounting examples

Attachment with countersunk wood screws
ø 3 mm DIN 97

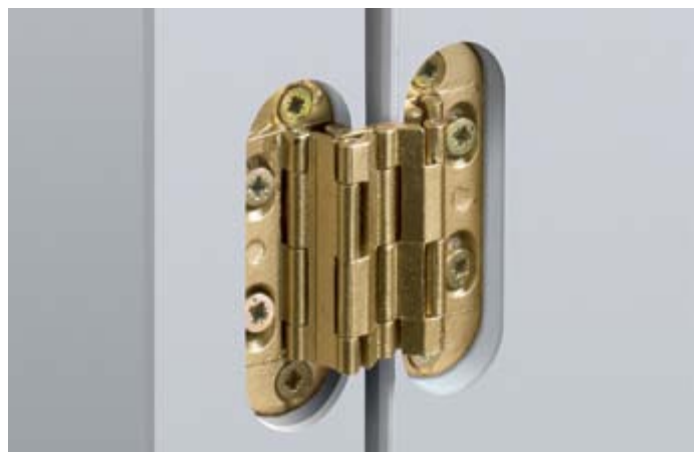


Drilling pattern



Special hinge

- ▶ SEPA hinge
- ▶ For recessing, opening angle 180°

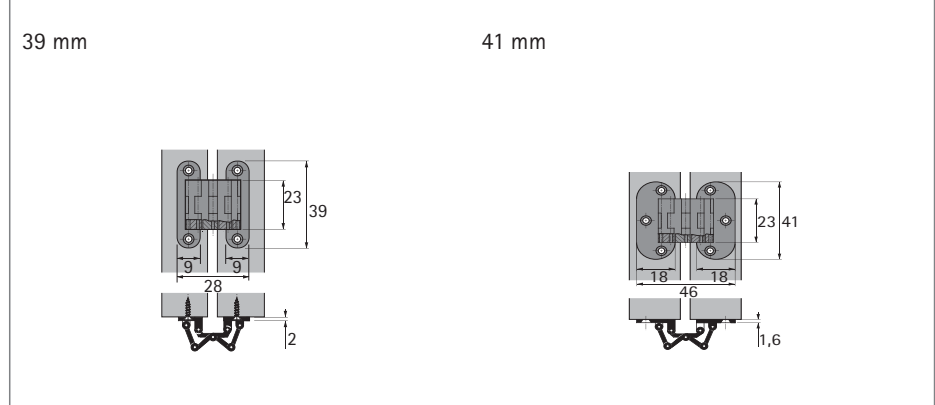


- ▶ For doors, windows and flaps
- ▶ With rounded flaps for machine countersinking, router diameter 9 mm or 18 mm
- ▶ Attachment with countersunk wood screws \varnothing 2.7 mm DIN 97
- ▶ Suitable for use on left or right
- ▶ Brass

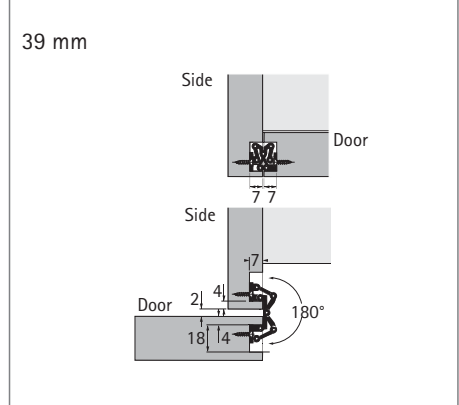
SEPA hinge

Hinge length mm	max. kg 2 hinges	max. kg 3 hinges	Finish	Order no.	PU
39	12	18	matt	0 046 848	1/10 ea.
41	17	23	matt	0 031 174	1/10 ea.
52	24	31	matt	0 031 175	1/10 ea.
88	38	47	matt	0 031 176	1/10 ea.

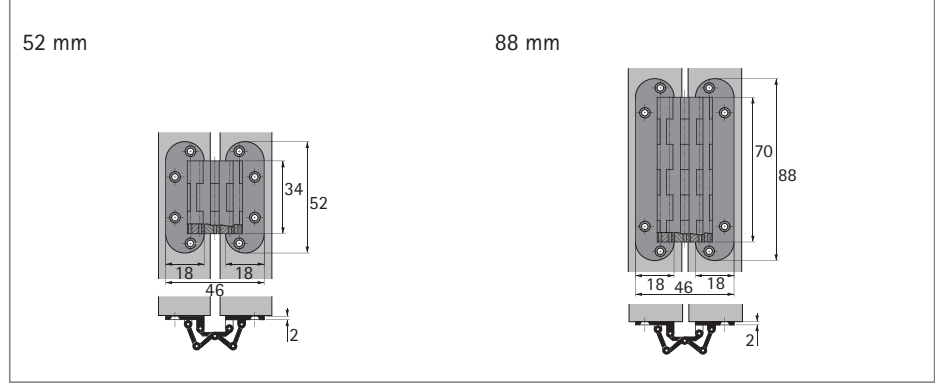
Hinge length



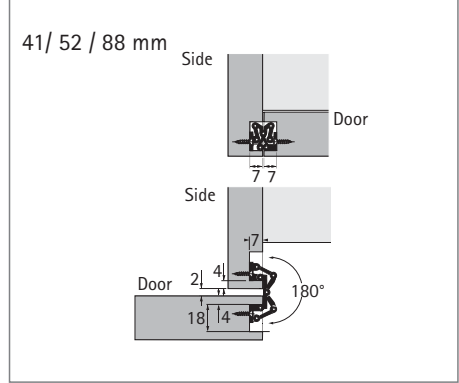
Mounting example



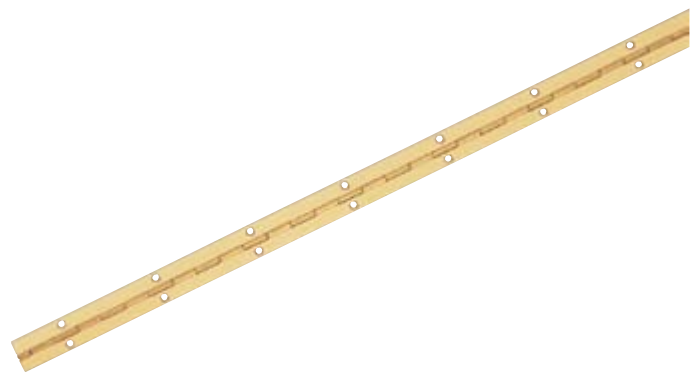
Hinge length



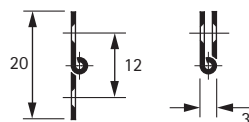
Mounting example



20 mm open width

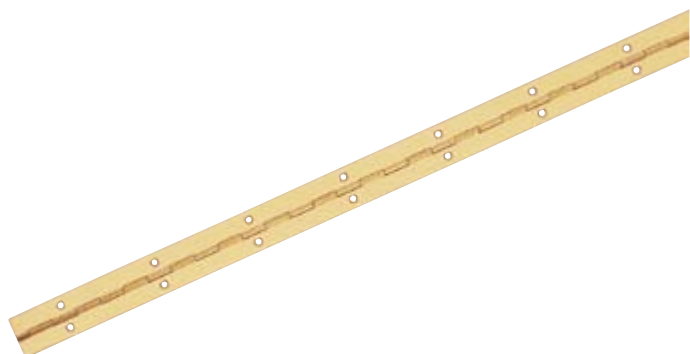


- ▶ 15 mm spacing of hole centres
- ▶ Hole spacing 60.4 mm
- ▶ Length 3500 mm
- ▶ Hole size 3.25 mm \varnothing
- ▶ Material 0.7mm thick

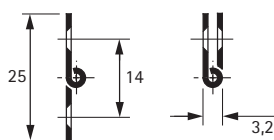


Material / surface	Order no.	PU
Steel brass-plated lacquered	0 040 671	1/50 ea.
Steel nickel-plated	0 040 672	1/50 ea.
Stainless steel bright	0 040 674	1/10 ea.
Brass bright	0 061 755	1/10 ea.

25 mm open width

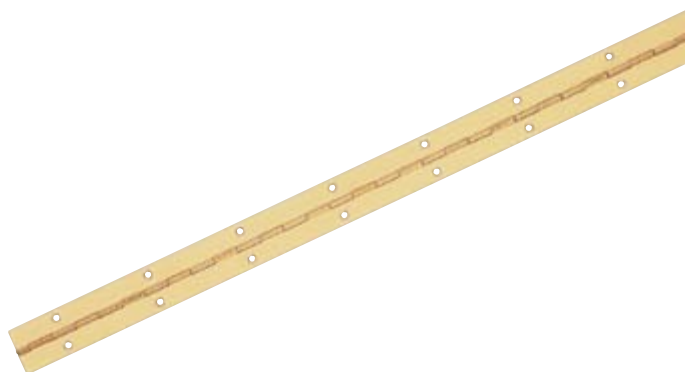


- ▶ 15 mm spacing of hole centres
- ▶ Hole spacing 60.4 mm
- ▶ Length 3500 mm
- ▶ Hole size 3.75 mm \varnothing
- ▶ Material 0.7mm thick

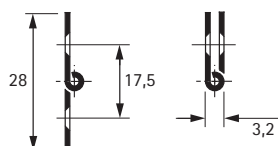


Material / surface	Order no.	PU
Steel brass-plated lacquered	0 040 677	1/50 ea.
Steel nickel-plated	0 040 678	1/50 ea.
Stainless steel bright	0 040 680	1/10 ea.
Brass bright	0 059 727	1/10 ea.

28 mm open width



- 15 mm spacing of hole centres
- Hole spacing 60.4 mm
- Length 3500 mm
- Hole size 3.75 mm \varnothing
- Material 0.7mm thick

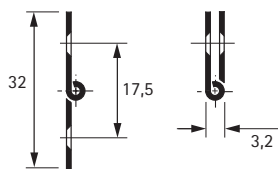


Material / surface	Order no.	PU
Steel brass-plated lacquered	0 040 683	1/50 ea.

32 mm open width

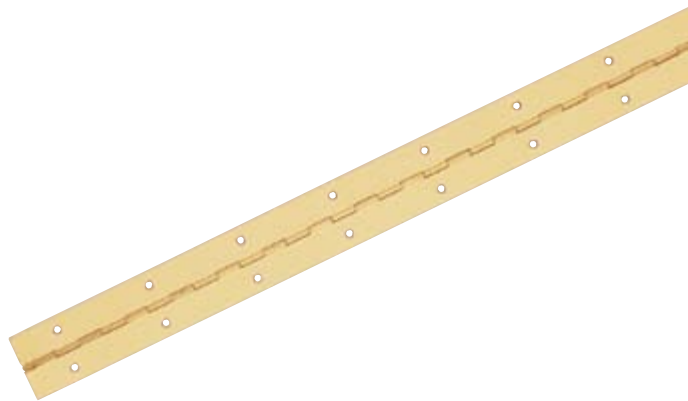


- 15 mm spacing of hole centres
- Hole spacing 60.4 mm
- Length 3500 mm
- Hole size 3.75 mm \varnothing
- Material 0.7mm thick

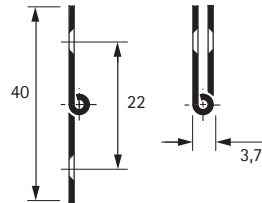


Material / surface	Order no.	PU
Steel brass-plated lacquered	0 040 689	1/50 ea.
Steel nickel-plated	0 040 690	1/50 ea.
Steel burnished	0 040 691	1/50 ea.
Stainless steel bright	0 040 692	1/10 ea.
Brass bright	0 058 123	1/10 ea.

40 mm open width



- ▶ 15 mm spacing of hole centres
- ▶ Hole spacing 60.4 mm
- ▶ Length 3500 mm
- ▶ Hole size 4.25 mm \varnothing
- ▶ Material 0.7mm thick



Material / surface	Order no.	PU
Steel brass-plated lacquered	0 040 695	1/50 ea.
Steel nickel-plated	0 040 696	1/50 ea.
Stainless steel bright	0 040 698	1/10 ea.
Brass bright	0 059 046	1/10 ea.

Special hinge

- ▶ Screw-on hinge
- ▶ Opening angle 90°



- ▶ For all applications in which a cup drilling is not possible
- ▶ Can also be used as flap support fitting for light flap doors without flap stay
- ▶ Attachment by dia. 3.5 mm countersunk wood screws
- ▶ Steel

Distance plate 2 mm

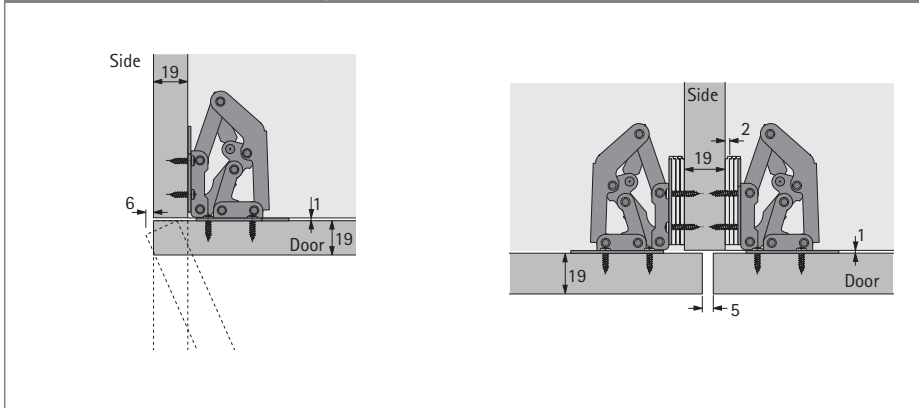
- ▶ Stackable
- ▶ Plastic

The illustrations show mounting examples for 19 mm wall and door thickness. For thinner side or middle panels, or if a larger reveal is required, a corresponding number of distance plates must be used.

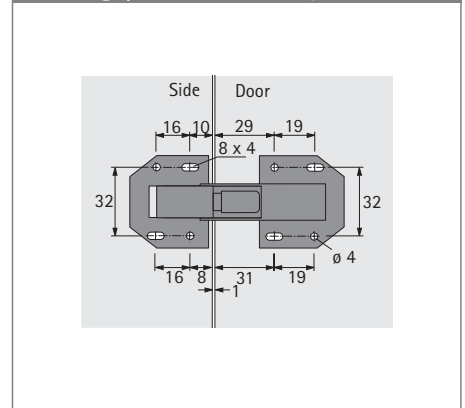
Screw-on hinge

Article	Finish	Order no.	PU
Screw-on hinge with spring	Nickel-plated	0 019 639	1/50 ea.
Screw-on hinge without spring	Nickel-plated	0 019 640	1/50 ea.
Distance plate 2 mm	White	0 019 641	1/50 ea.

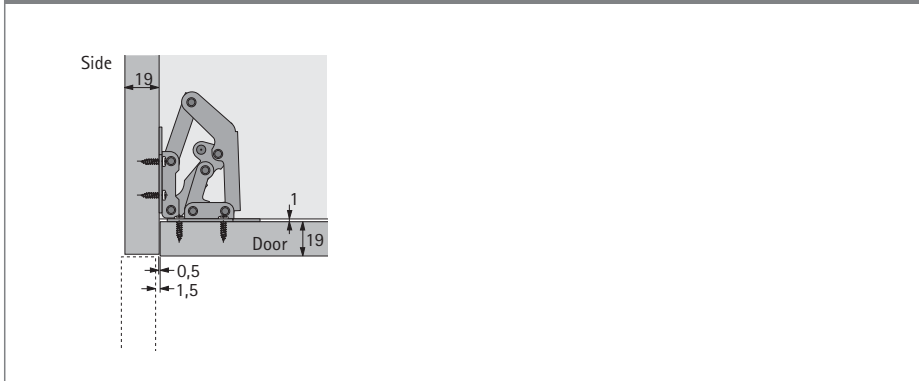
Full overlay / half overlay door



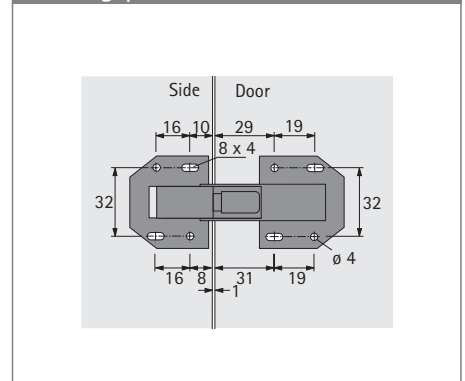
Drilling pattern, overlay door



Inset door



Drilling pattern, inset door



Special hinge

- ▶ Screw-on hinge
- ▶ Opening angle 165 - 130°

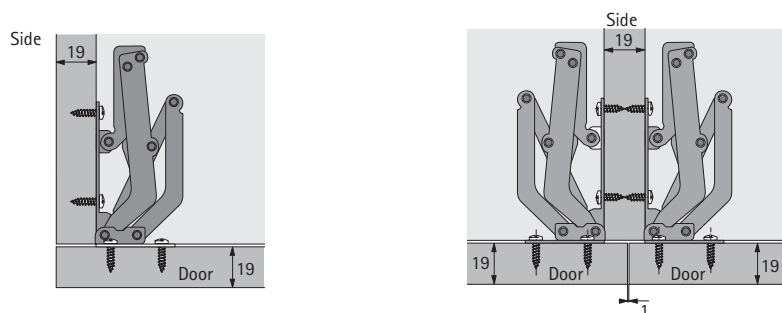


- ▶ For all applications in which a cup drilling is not possible
- ▶ Opening angle can be infinitely reduced to 130° with the adjusting screw
- ▶ Attachment with countersunk wood screws $\varnothing 3.5 \times 16$ mm or dia. 3.5×13 mm
Screws, see page 2308
- ▶ Steel

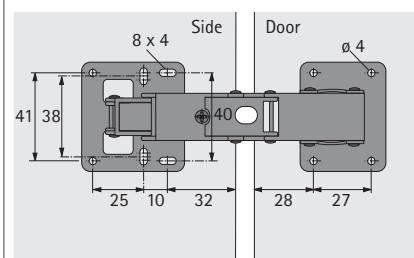
Screw-on hinge with spring

Finish	Order no.	PU
Nickel-plated	0 020 046	1/50 ea.

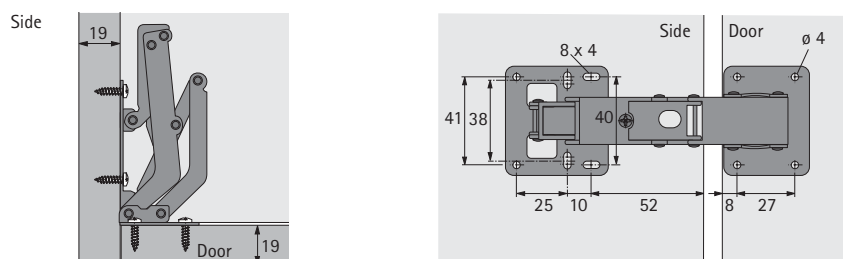
Full overlay / half overlay door



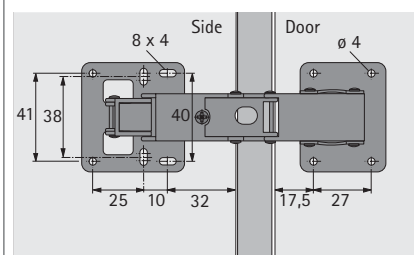
Drilling pattern, overlay door



Inset door



Drilling pattern, half overlay door



Special hinge

- ▶ Mini screw-on hinge
- ▶ Opening angle 90°

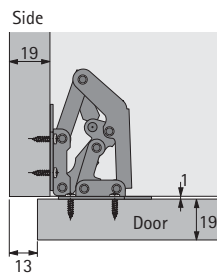


- ▶ For all applications in which a cup drilling is not possible
- ▶ The hinge is always used on small doors
- ▶ Steel

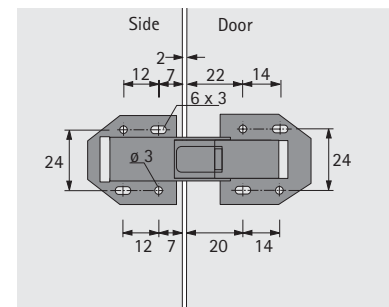
Mini screw-on hinge with spring

Finish	Order no.	PU
Nickel-plated	0 020 126	1/50 ea.

Full overlay



Drilling pattern



Special hinge

- ▶ Pivot hinge
- ▶ For inset doors

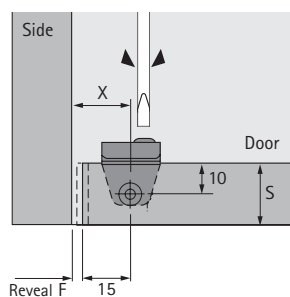


- ▶ Can be used with doors 16 - 20 mm thick
- ▶ Opening angle 140°
- ▶ Easy assembly and adjustment of the doors
- ▶ Attachment with countersunk wood screws \varnothing 3 mm
- ▶ Including plastic bearings in black and white
- ▶ Steel

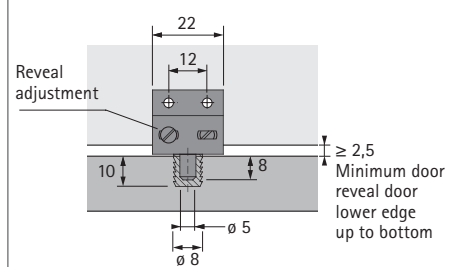
Pivot hinge

Finish	Order no.	PU
Nickel-plated	0 069 933	1/10 pair

Mounting example



Drilling pattern



Door thickness S mm	Reveal F mm	Distance X mm
16	1.2	16.2
17	1.5	16.5
18	2.0	17.0
19	2.5	17.5
20	3.0	18.0

Special hinge

- ▶ Pivot hinge
- ▶ For inset doors

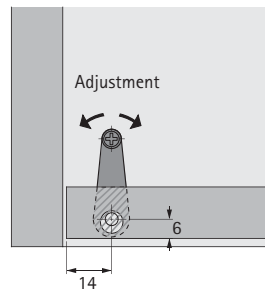
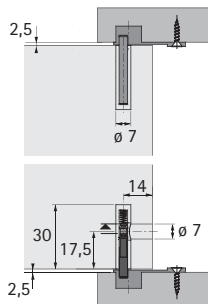


- ▶ Can be used with doors 12 - 21 mm thick
- ▶ Opening angle 140°
- ▶ Easy assembly and adjustment of the doors
- ▶ Doors can be hinged and unhinged without effort simply by pulling up a spring pin
- ▶ Plastic

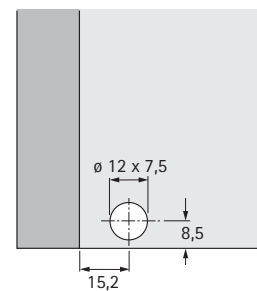
Pivot hinge

Finish	Order no.	PU
White	0 006 731	1/200 pair
Brown	0 006 732	1/200 pair

Mounting example



Drilling pattern



Special hinge

- ▶ Pivot hinge
- ▶ For overlay doors

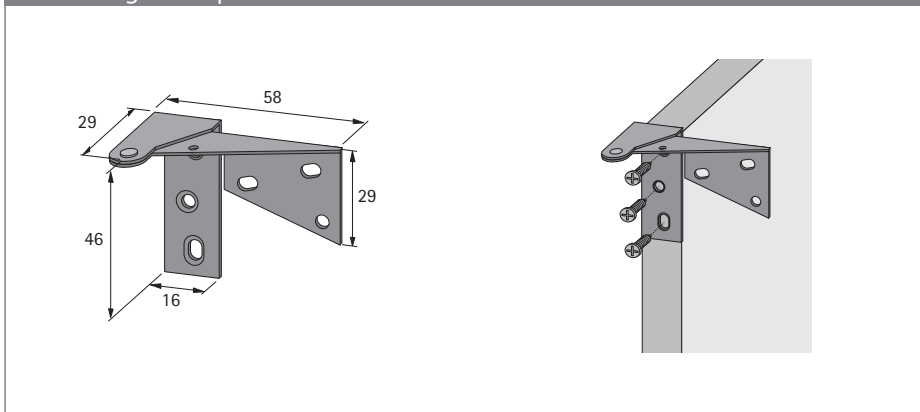


- ▶ Can be used with side panels over 16 mm thick and doors over 28 mm thick
- ▶ For louvre doors
- ▶ Opening angle 180°
- ▶ PU = 2 hinges for 1 door including 12 fixing screws
- ▶ Steel

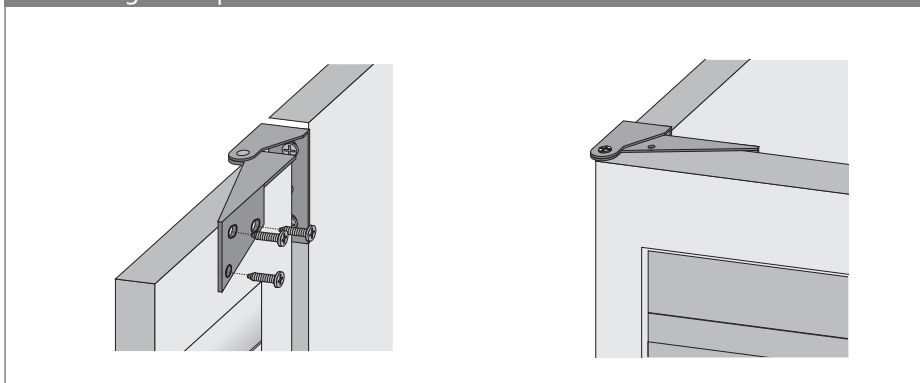
Pivot hinge

Finish	Order no.	PU
Galvanised	0 001 439	1 set

Mounting example



Mounting example



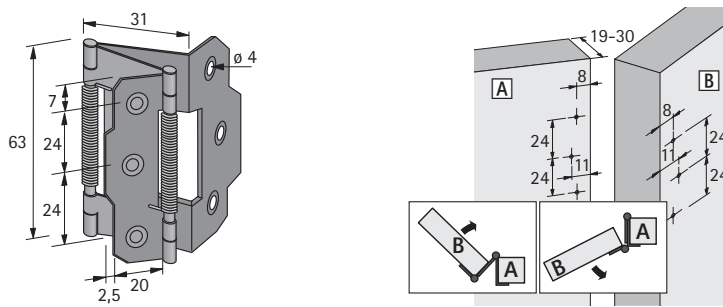


- For inset application
- Height 63 mm
- Loading capacity 4 kg / pair
- With fixing screws

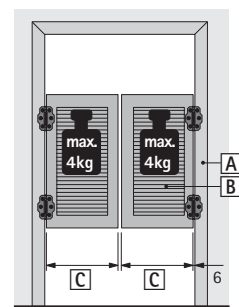
Double swing door fitting

Finish	Order no.	PU
Brass-plated	0 001 512	2 ea.

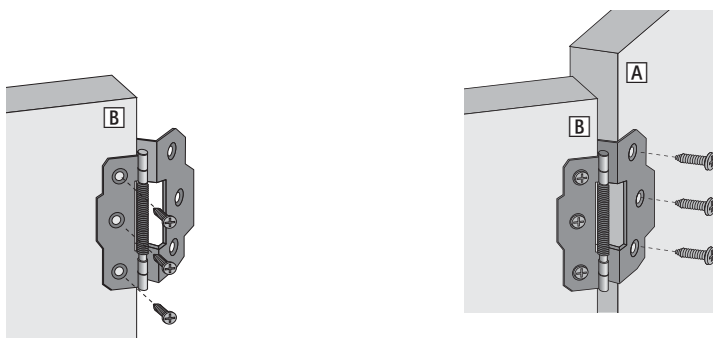
Drilling pattern



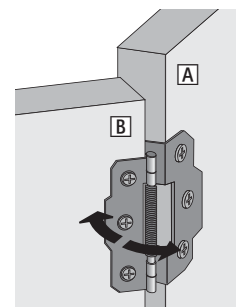
Mounting example



Mounting note



Mounting note



Special hinge

- ▶ Flap hinge Markant 7.1
- ▶ For overlay flaps

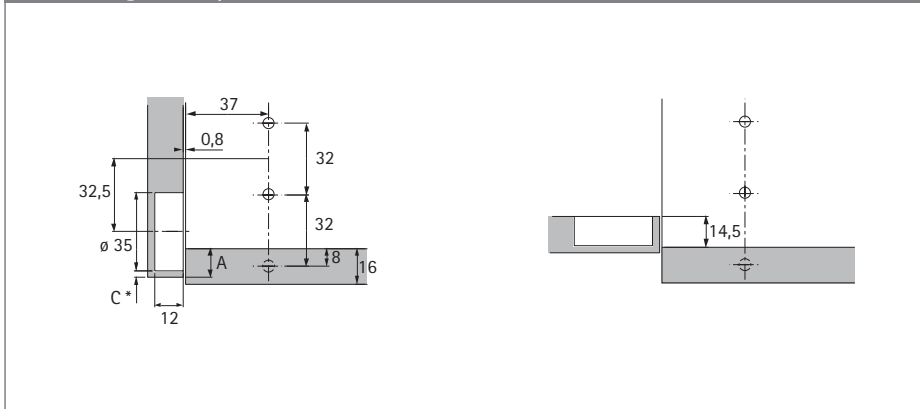


- ▶ Mounting plate and flap arm are mounted separately
- ▶ Quality grades to EN 15570, Level 2
- ▶ Cup diameter 35 mm
- ▶ Cup depth 11.8 mm
- ▶ Depth adjustment ± 2 mm
- ▶ Height adjustment ± 2 mm at mounting plate
- ▶ Can only be used in conjunction with flap stays, see pages 288 - 289
- ▶ Material of hinge arm: zinc, die cast
- ▶ Material of hinge cup: steel
- ▶ For mounting plates, see page 150

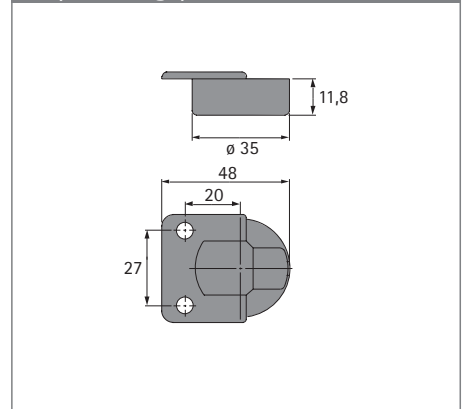
Flap hinge Markant 7.1

Finish	Order no.	PU
Nickel-plated	0 046 849	1/25 pair

Mounting examples

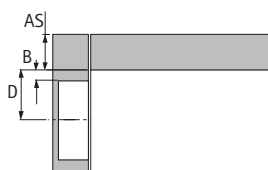


Cup drilling pattern



Mounting examples

$17.5 + B + AS = \text{centre of hinge}$



Mounting plate Distance mm	B mm	D mm
0.0	6.0	23.5
1.5	7.5	25.0
3.0	9.0	26.5
5.0	11.0	28.5

Cup distance C mm	A mm
3.0	13.0
4.0	14.0
4.5	14.5
5.0	15.0
6.0	16.0
7.0	17.0

Minimum reveal to be noted below the flap for determining the cup distance:

Cup distance C mm	Door thickness mm											
	16	18	20	22	24	26	28	30	32	34	36	38
3	0.4	0.8	1.2	1.8	2.4	3.2	4.3	5.9	7.7	9.6	11.5	13.3
4	0.4	0.8	1.2	1.8	2.4	3.2	4.2	5.6	7.2	9.1	10.9	12.7
4.5	0.4	0.8	1.2	1.8	2.4	3.2	4.2	5.6	7.2	9.1	10.9	12.7
5	0.4	0.7	1.1	1.6	2.3	3.1	4.0	5.2	6.7	8.5	10.2	12.0
6	0.4	0.7	1.1	1.6	2.3	3.0	3.8	4.9	6.2	7.9	9.5	11.3
7	0.4	0.6	1.0	1.5	2.1	2.9	3.6	4.6	5.7	7.3	8.8	10.6

Special hinge

- ▶ Flap hinge Markant 9
- ▶ For overlay flaps

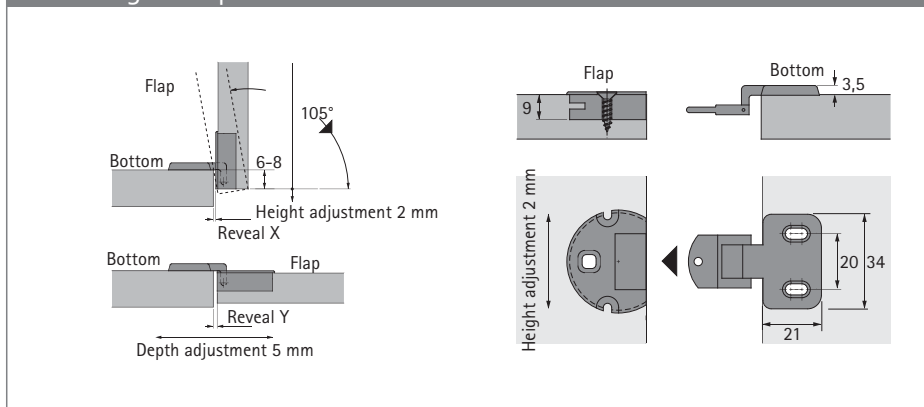


- ▶ Opening angle 105°
- ▶ Flap alignment through adjustment of height, sides and depth
- ▶ Without height adjustment, panel and flap are flush on the inside when open
- ▶ Can only be used in conjunction with flap stays, see pages 288 - 289
- ▶ Housing: plastic
- ▶ Attachment with countersunk wood screws $\varnothing 3.5 \times 16$ mm
- ▶ Plastic / zinc die-cast

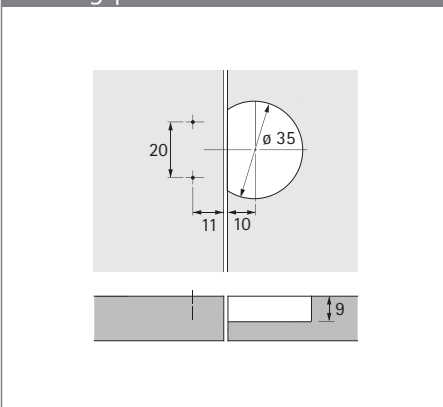
Flap hinge Markant 9

Finish	Order no.	PU
White / Nickel-plated	0 072 900	1/20 ea.
Brown / Nickel-plated	0 072 901	1/20 ea.
Black / Nickel-plated	0 072 902	1/20 ea.

Mounting example



Drilling pattern



Flap overlay mm	Reveal X mm	Reveal Y mm
6.0	0.5	2.5
7.0	1.0	2.0
8.0	1.5	1.6

Special hinge

- ▶ Flap hinge Markant 10
- ▶ For overlay flaps

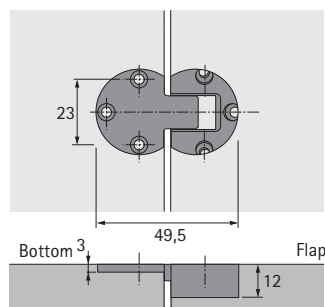
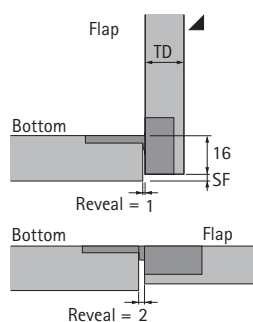


- ▶ Only 3 mm insertion depth in bottom
- ▶ Quality grades to EN 15570, Level 2
- ▶ Panel and flap are flush on the inside when open
- ▶ With a 16-mm gauge flap and 16-mm gauge panel, the flap is flush with the panel when closed
- ▶ Can only be used in conjunction with flap stays, see pages 288 - 289
- ▶ Note minimum reveal values SF, see below
- ▶ No disturbing edges, grooves or shoulders
- ▶ Attachment with countersunk wood screws $\varnothing 3 \times 16$ mm
- ▶ Zinc, die cast

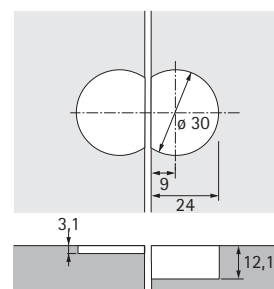
Flap hinge Markant 10

Finish	Order no.	PU
Nickel-plated	0 046 696	1/20 ea.

Mounting example



Drilling pattern



Flap thickness TD mm	Minimum visible reveal SF mm
16	2.0
17	3.0
18	4.0
19	5.0
20	6.0

Special hinge

- ▶ Flap hinge Markant 11
- ▶ For overlay flaps

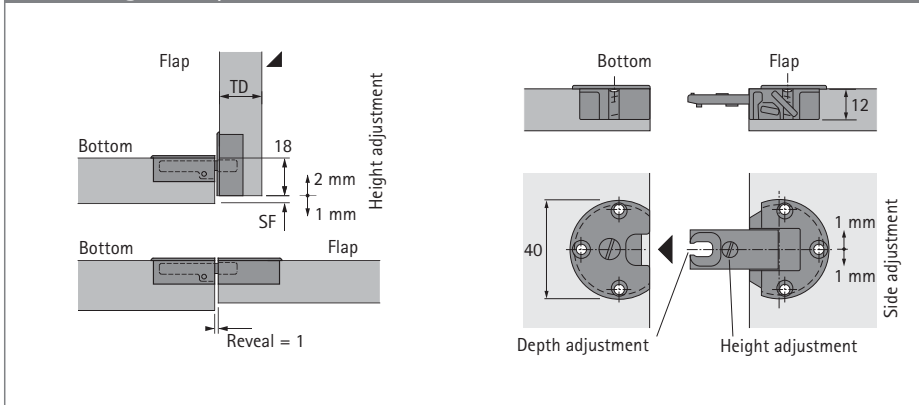


- ▶ Flaps can be fitted later when panel and flap element are assembled separately
- ▶ Quality grades to EN 15570, Level 2
- ▶ Flap alignment through adjustment of height, sides and depth
- ▶ Same drilling sizes in panel and flap elements
- ▶ Three fixing screws in both the bottom and the flap element ensure firm and accurate attachment
- ▶ Hole drilling concealed by rim on both parts
- ▶ Without height adjustment, panel and flap are flush on the inside when open
- ▶ Can only be used in conjunction with flap stays, see pages 288 - 289
- ▶ Secured with countersunk wood screws $\varnothing 3 \times 15$ mm or $\varnothing 3 \times 13$ mm, head dia. 6 mm
- ▶ Zinc, die cast

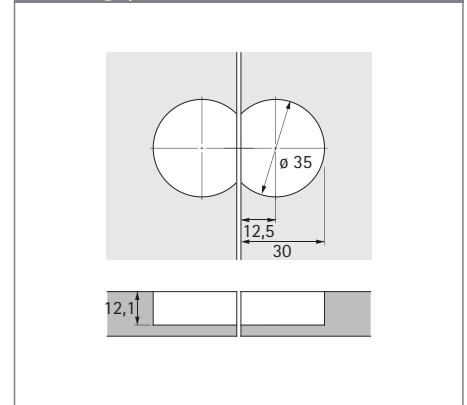
Flap hinge Markant 11

Finish	Order no.	PU
Nickel-plated	0 040 242	1/20 ea.
Burnished	0 040 243	1/20 ea.
Brass-plated	0 040 244	1/20 ea.

Mounting example



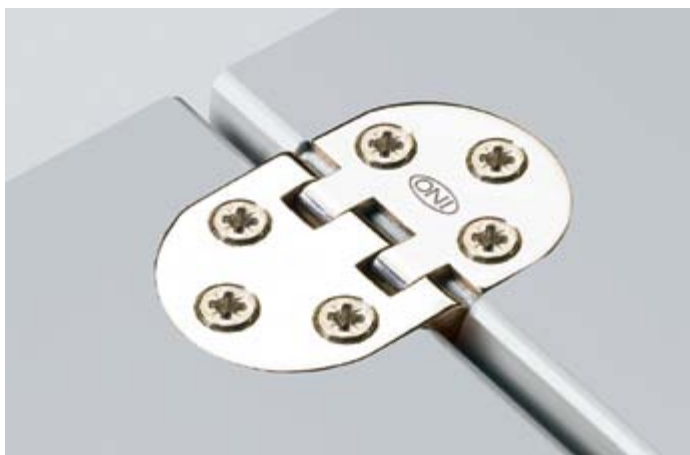
Drilling pattern



Flap thickness TD mm	Minimum reveal SF mm
16	1.0
17	2.0
18	3.0
19	3.5
20	4.5

Special hinge

- ▶ Flap hinges 135 and 137
- ▶ For flaps



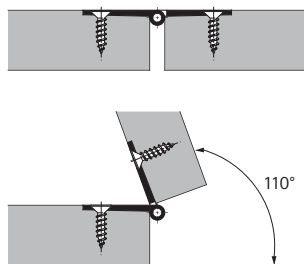
- ▶ Solid material, drilled and milled
- ▶ With fixed brass pin
- ▶ With semicircular rounded flaps for machine countersinking
- ▶ Flap hinge 135 with countersunk screw hole on rear
- ▶ Flap hinge 137 with countersunk screw hole on inner side
- ▶ Can only be used in conjunction with flap stays, see pages 288 - 289
- ▶ Attachment with countersunk wood screws \varnothing 3 mm
- ▶ Brass

Flap hinge

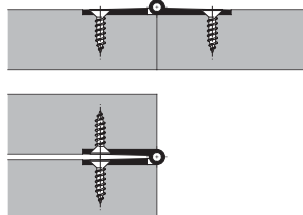
Article	Finish	Order no.	PU
Flap hinge 135	Polished	0 042 581	1/20 ea.
Flap hinge 135	Nickel-plated gloss	0 042 585	1/20 ea.
Flap hinge 137	Polished	0 042 582	1/20 ea.
Flap hinge 137	Nickel-plated gloss	0 042 586	1/20 ea.

Mounting example

Flap hinge 135

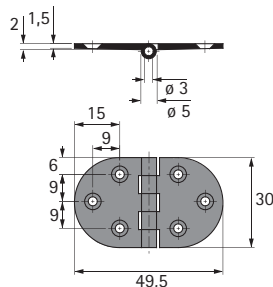


Flap hinge 137

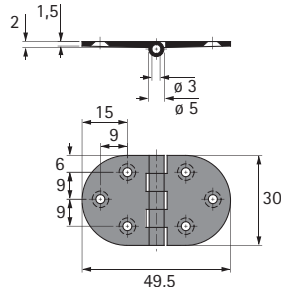


Drilling pattern

Flap hinge 135



Flap hinge 137



Special hinge

- ▶ Flap hinges 140 and 142
- ▶ For flaps

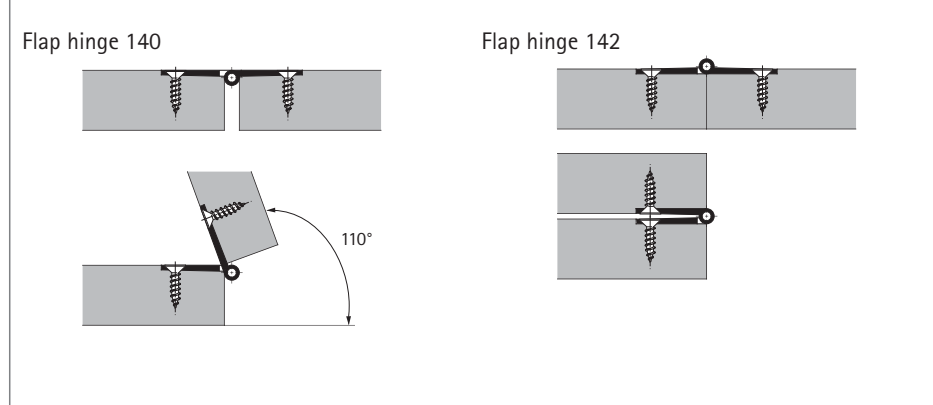


- ▶ Solid material, drilled and milled
- ▶ With fixed stainless-steel pin
- ▶ With semicircular rounded flaps for machine countersinking
- ▶ Flap hinge 140 with countersunk screw hole on rear
- ▶ Flap hinge 142 with countersunk screw hole on inner side
- ▶ Can only be used in conjunction with flap stays, see pages 237
- ▶ Attachment with countersunk wood screws \varnothing 3.5 mm
- ▶ Brass

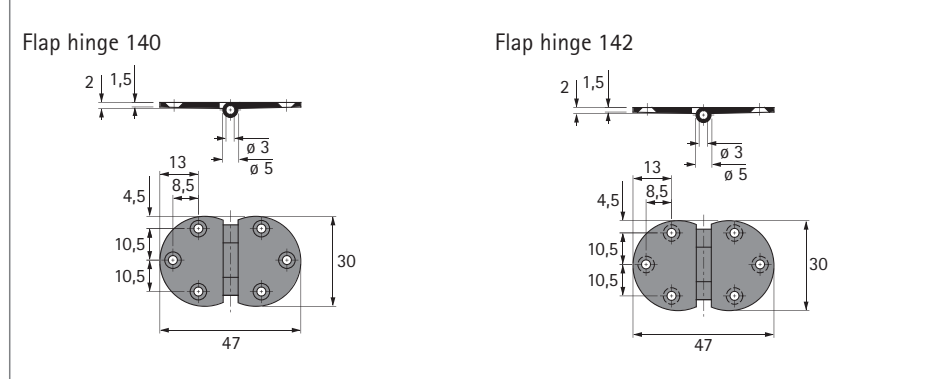
Flap hinge

Article	Finish	Order no.	PU
Flap hinge 140	Polished	0 042 583	1/20 ea.
Flap hinge 140	Nickel-plated gloss	0 042 587	1/20 ea.
Flap hinge 142	Polished	0 042 584	1/20 ea.
Flap hinge 142	Nickel-plated gloss	0 042 588	1/20 ea.

Mounting example



Drilling pattern



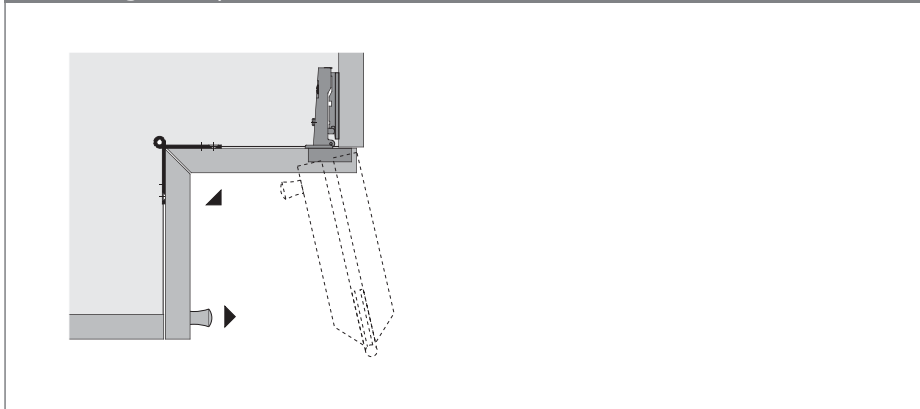


- For (kitchen) corner cabinets
- With steel pin
- Suitable for use on left or right
- Attachment with countersunk wood screws \varnothing 3.5 mm DIN 97
- Brass

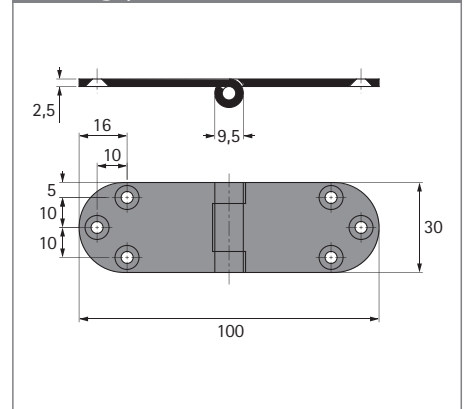
Corner unit hinge 121

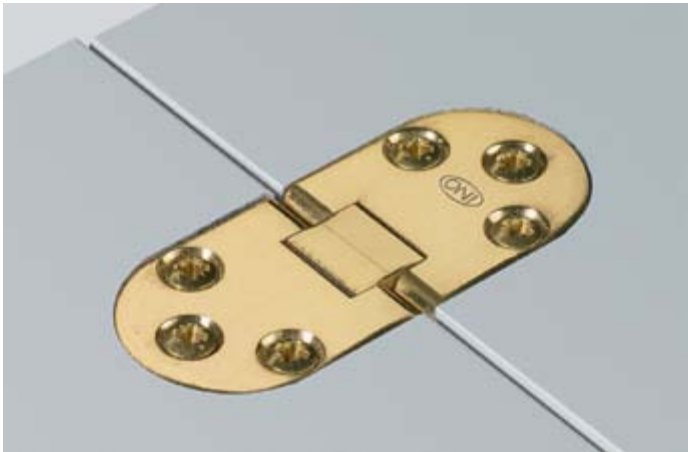
Finish	Order no.	PU
Nickel-plated high-gloss	0 071 821	1/10 ea.

Mounting example



Drilling pattern



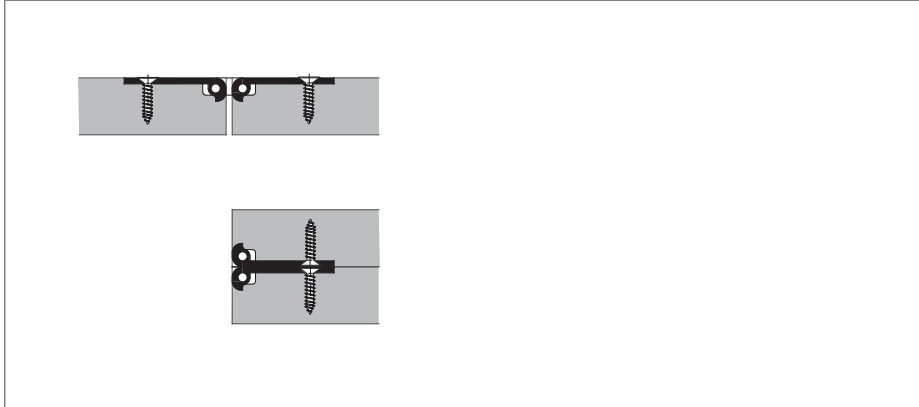


- Solid material, drilled and milled
- With 2 fixed steel pins and a dual lever
- With semicircular rounded flaps for machine countersinking
- Attachment with countersunk wood screws \varnothing 4 mm DIN 97
- Brass

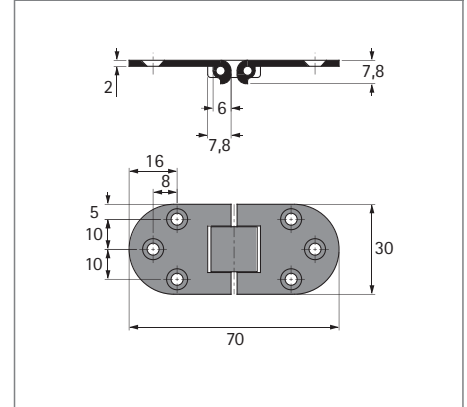
Sewing table hinge 130

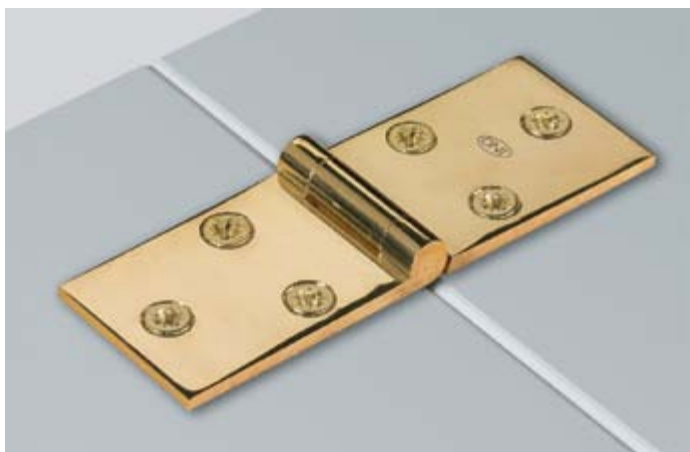
Finish	Order no.	PU
Polished	0 031 101	1/20 ea.
Nickel-plated high-gloss	0 042 589	1/20 ea.

Mounting example



Drilling pattern



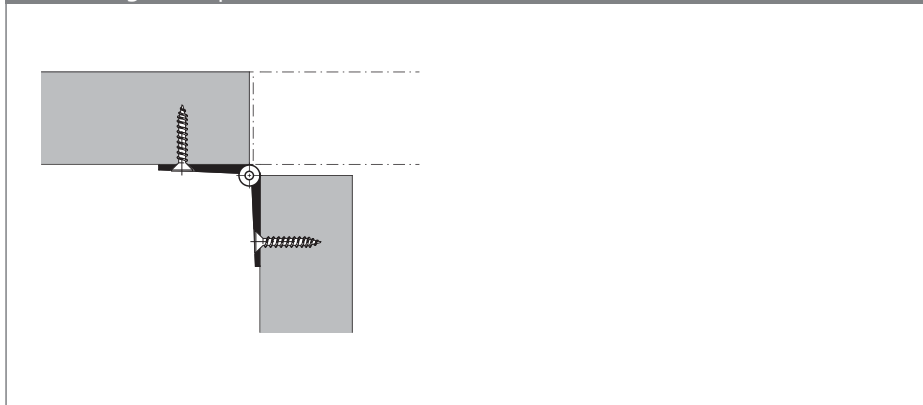


- Solid material, drilled and milled
- With fixed brass pin
- Attachment with countersunk wood screws
- Size 25 x 60 mm = \varnothing 3 mm DIN 97
- Size 30 x 75 mm = \varnothing 3.5 mm DIN 97
- Size 35 x 100 mm = \varnothing 4 mm DIN 97
- Brass

Table hinge 120

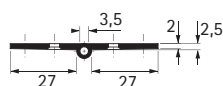
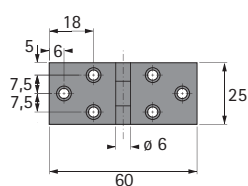
Finish	Order no. / Size mm			PU
	25 x 60	30 x 75	35 x 100	
Polished			0 031 098	1/10 ea.
Nickel-plated high-gloss	0 042 332	0 042 335	0 031 099	1/10 ea.

Mounting example

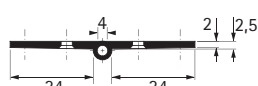
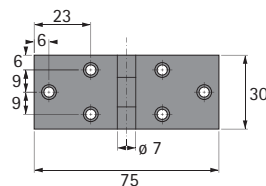


Drilling pattern

Size 25 x 60 mm

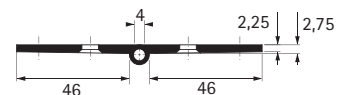
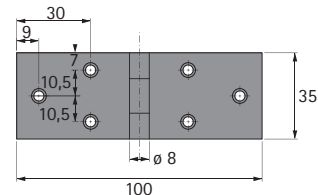


Size 30 x 75 mm



Drilling pattern

Size 35 x 100 mm



Special hinge

- ▶ Mirror door hinge Novi
- ▶ For 2 or 3-part mirror-fronted doors

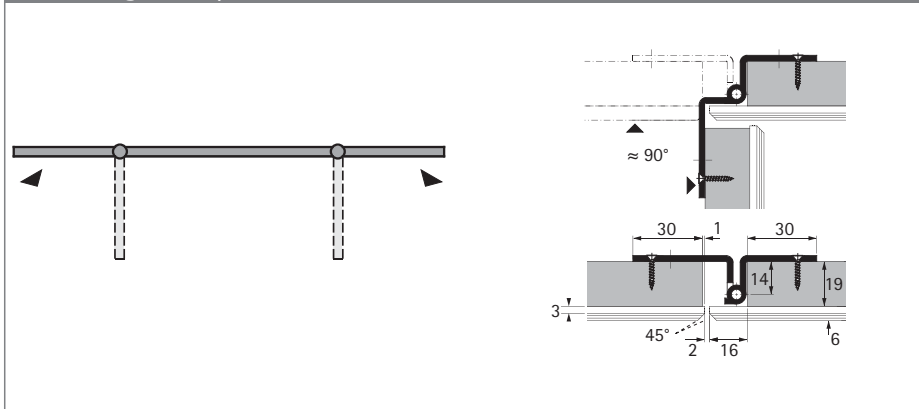


- ▶ Solid material, drilled and milled
- ▶ With fixed stainless-steel pin
- ▶ Invisible from the outside
- ▶ The mirror front is not interrupted by fittings
- ▶ Minimizes the gap between 2 mirrors
- ▶ Locked at an opening angle of about 90°
- ▶ Suitable for use on left or right
- ▶ Attachment with countersunk wood screws \varnothing 3.5 mm DIN 97
- ▶ Brass

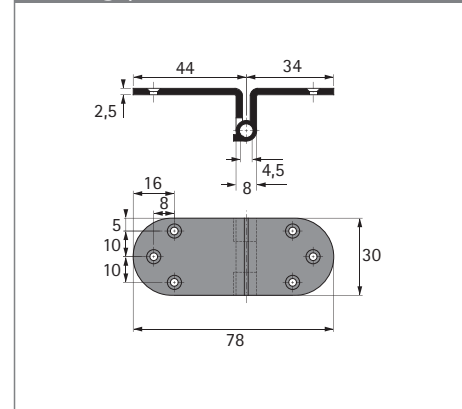
Mirror door hinge Novi

Finish	Order no.	PU
matt lacquered	0 042 329	1/10 ea.

Mounting example



Drilling pattern





For many applications, Hettich furniture hinges are a robust and durable solution. The exceptionally large product spectrum covers all possible applications: for flush inset or overlay installation, with different cranking. In a large variety of designs, e.g. polished brass,

nickel-plated, chrome-plated, etc. - always matching the design of your furniture. The Hettich range includes fittings with or without decorative finial and a vast array of hinge lengths. Whatever you need to assemble your furniture: Hettich can offer a solution.



Angle hinge 4162 for overlay doors.



The solid brass hinge 101 is the ideal fitting for inset doors.



For rebated doors: the robust brass furniture hinge 300 from Hettich is exceedingly sturdy.



The right solution for every case: angle hinge 700 with cranking L for overlay doors.



Furniture hinges

Range summary / Technical comparison

244



Finial butt hinges

Range summary / Technical comparison

245



Angle hinges

Range summary / Technical comparison

246



Brass hinges




Range summary / Technical comparison

246 - 247







Technical Information

271

	Furniture hinge 300	Furniture hinge 260	Furniture hinge 209
			
Page	248 - 250	251 - 253	254 - 256
Mounting option	<ul style="list-style-type: none"> ► Flush inset or overlay (cranking A) ► Inset with recess (cranking B) ► Rebated (cranking D 7.5) 	<ul style="list-style-type: none"> ► Flush inset or overlay (cranking A) ► Inset with recess (cranking B) ► Rebated (cranking D 7.5) 	<ul style="list-style-type: none"> ► Flush inset or overlay (cranking A) ► Inset with recess (cranking B) ► Rebated (cranking D 7.5)
Knuckle diameter mm	8	6	11
Flap thickness mm	1.7	1.7	2
Hinge length mm	40 / 50 / 60	50	80
Material	Solid brass	Solid brass	Solid brass
Finishes	<ul style="list-style-type: none"> ► Polished ► Matt brushed ► High-gloss / matt nickel-plated 	<ul style="list-style-type: none"> ► Polished ► High-gloss / matt nickel-plated 	<ul style="list-style-type: none"> ► Polished ► High-gloss / matt nickel-plated

Finial butt hinge 230	Finial butt hinge 270	Finial butt hinge 212
		
257 - 259	260 - 262	263 - 265
<ul style="list-style-type: none"> ► Flush inset or overlay (cranking A) ► Inset with recess (cranking B) ► Rebated (cranking D 7.5) 	<ul style="list-style-type: none"> ► Flush inset or overlay (cranking A) ► Inset with recess (cranking B) ► Rebated (cranking D 7.5) 	<ul style="list-style-type: none"> ► Flush inset or overlay (cranking A) ► Inset with recess (cranking B) ► Rebated (cranking D 7.5)
8	6	11
1.7	1.7	2
50 / 60	50	80
Solid brass	Solid brass	Solid brass
<ul style="list-style-type: none"> ► Polished ► Antique brown 	<ul style="list-style-type: none"> ► Polished ► Antique brown 	<ul style="list-style-type: none"> ► Polished ► Antique brown

	Angle hinge 700	Angle hinge 4162	Brass hinge 100
			
Page	266	267	268 - 269
Mounting option	► Flush overlay (cranking L)	► Flush overlay (cranking L)	► Flush inset or overlay (cranking A)
Knuckle diameter mm	7 / 8	4	3.5 - 6
Flap thickness mm	2 / 2.2	3	1.3 - 2.5
Hinge length mm	50	40	20 - 80
Material	Solid brass	Solid brass	Solid brass
Surface finishes	<ul style="list-style-type: none"> ► Polished ► High-gloss / matt nickel-plated 	<ul style="list-style-type: none"> ► Polished ► High gloss nickel-plated 	<ul style="list-style-type: none"> ► Polished ► Brushed finish ► Matt brushed ► High-gloss / matt nickel-plated ► High-gloss / matt chrome-plated

Brass hinge 101	
	
270	
► Flush inset or overlay (cranking A)	
7 / 8	
2	
50 / 75	
Solid brass	
► Polished ► Matt nickel-plated	

Furniture hinges

- ▶ Furniture hinge 300, cranking A
- ▶ For flush inset or overlay doors

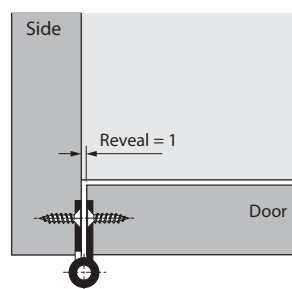


- ▶ Knuckle diameter 8 mm
- ▶ Flap thickness 1.7 mm
- ▶ Solid material, drilled and milled
- ▶ With steel pin and routed out oval heads, without distance ring
- ▶ Solid brass

Furniture hinge 300

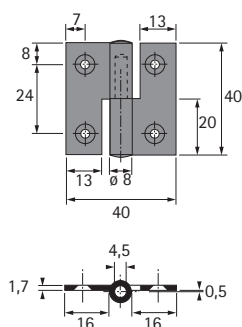
Article	Finish	Order no. / Hinge length mm			PU
		40	50	60	
Furniture hinge 300 left Cranking A	Polished		0 031 000	0 031 963	1/10 ea.
	Matt brushed		0 031 001		1/10 ea.
	Nickel-plated high-gloss		0 031 002	0 042 281	1/10 ea.
	Nickel-plated matt	0 031 941	0 031 003	0 042 282	1/10 ea.
Furniture hinge 300 right Cranking A	Polished		0 031 004	0 031 968	1/10 ea.
	Matt brushed		0 031 005		1/10 ea.
	Nickel-plated high-gloss		0 031 006	0 031 966	1/10 ea.
	Nickel-plated matt	0 031 944	0 031 007	0 031 965	1/10 ea.

Mounting example

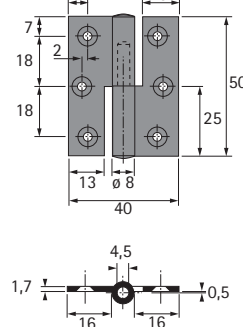


Attachment by countersunk wood screws \varnothing 3 mm DIN 97

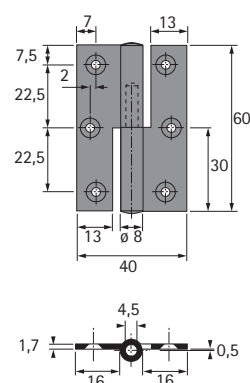
Hinge length 40 mm



Hinge length 50 mm



Hinge length 60 mm



▶ Advice

For technical information, see page 271

Furniture hinges

- ▶ Furniture hinge 300, cranking D 7.5
- ▶ For rebated doors

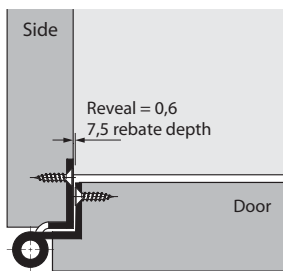


- ▶ Knuckle diameter 8 mm
- ▶ Flap thickness 1.7 mm
- ▶ Solid material, drilled and milled
- ▶ With steel pin and routed out oval heads, without distance ring
- ▶ Solid brass

Furniture hinge 300

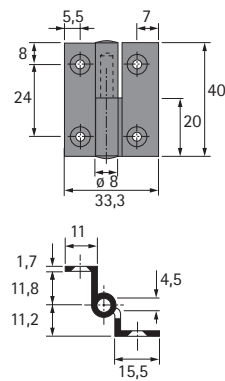
Article	Finish	Order no. / Hinge length mm			PU
		40	50	60	
Furniture hinge 300 left Cranking D 7.5	Polished		0 031 016	0 031 921	1/10 ea.
	Matt brushed		0 031 017		1/10 ea.
	Nickel-plated high-gloss		0 031 018		1/10 ea.
	Nickel-plated matt	0 031 931	0 031 019	0 031 924	1/10 ea.
Furniture hinge 300 right Cranking D 7.5	Polished		0 031 020	0 031 917	1/10 ea.
	Matt brushed		0 031 021		1/10 ea.
	Nickel-plated high-gloss		0 031 022		1/10 ea.
	Nickel-plated matt	0 031 928	0 031 023	0 031 919	1/10 ea.

Mounting example

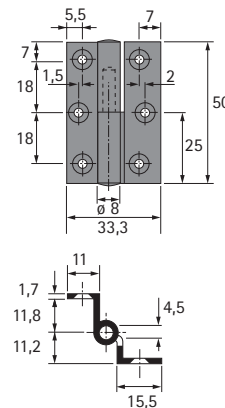


Attachment by countersunk wood screws \varnothing 3 mm DIN 97

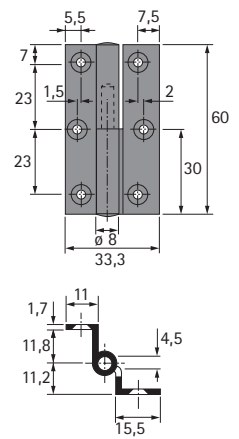
Hinge length 40 mm



Hinge length 50 mm



Hinge length 60 mm



▶ Advice

For technical information, see page 271

Furniture hinges

- ▶ Furniture hinge 260, cranking A
- ▶ For flush inset or overlay doors

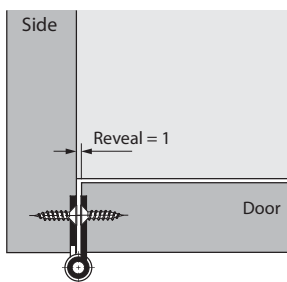


- ▶ Knuckle diameter 6 mm
- ▶ Flap thickness 1.7 mm
- ▶ Solid material, drilled and milled
- ▶ With steel pin and distance ring
- ▶ Solid brass

Furniture hinge 260

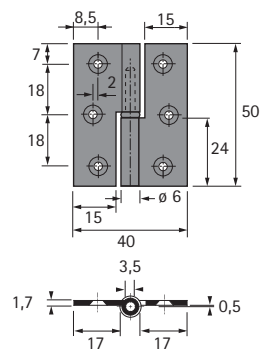
Article	Finish	Order no.	PU
Furniture hinge 260 left Cranking A	Polished	0 042 413	1/20 ea.
	Nickel-plated matt	0 042 415	1/20 ea.
	Nickel-plated high-gloss	0 042 416	1/20 ea.
Furniture hinge 260 right Cranking A	Polished	0 042 417	1/20 ea.
	Nickel-plated matt	0 042 419	1/20 ea.
	Nickel-plated high-gloss	0 042 420	1/20 ea.

Mounting example



Attachment by countersunk wood screws \varnothing 3 mm DIN 97

Hinge length 50 mm



▶ Advice

For technical information, see page 271

Furniture hinges

- ▶ Furniture hinge 260, cranking B
- ▶ For inset doors with recess

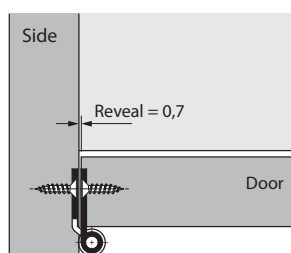


- ▶ Knuckle diameter 6 mm
- ▶ Flap thickness 1.7 mm
- ▶ Solid material, drilled and milled
- ▶ With steel pin and distance ring
- ▶ Solid brass

Furniture hinge 260

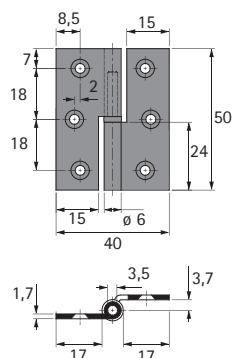
Article	Finish	Order no.	PU
Furniture hinge 260 left Cranking B	Nickel-plated matt	0 042 423	1/20 ea.
Furniture hinge 260 right Cranking B		0 042 451	1/20 ea.

Mounting example



Attachment by countersunk wood screws \varnothing 3 mm DIN 97

Hinge length 50 mm



▶ Advice

For technical information, see page 271

Furniture hinges

- ▶ Furniture hinge 260, cranking D 7.5
- ▶ For rebated doors

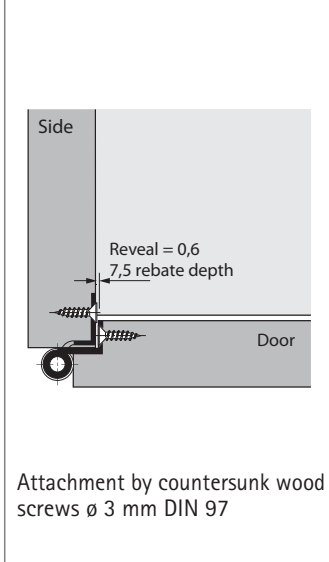


- ▶ Knuckle diameter 6 mm
- ▶ Flap thickness 1.7 mm
- ▶ Solid material, drilled and milled
- ▶ With steel pin and distance ring
- ▶ Solid brass

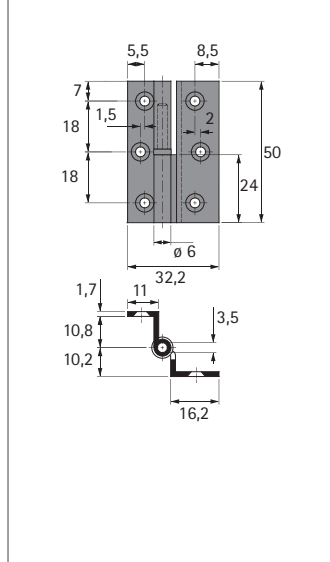
Furniture hinge 260

Article	Finish	Order no.	PU
Furniture hinge 260 left Cranking D 7.5	Polished	0 042 453	1/20 ea.
	Nickel-plated matt	0 042 455	1/20 ea.
Furniture hinge 260 right Cranking D 7.5	Polished	0 042 457	1/20 ea.
	Nickel-plated matt	0 042 459	1/20 ea.

Mounting example



Hinge length 50 mm



▶ Advice

For technical information, see page 271

Furniture hinges

- ▶ Furniture hinge 209, cranking A
- ▶ For flush inset or overlay doors

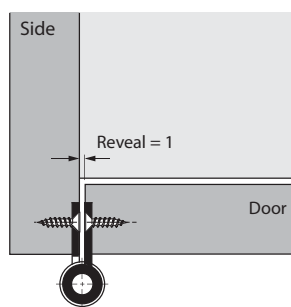


- ▶ Knuckle diameter 11 mm
- ▶ Flap thickness 2 mm
- ▶ Solid material, drilled and milled
- ▶ With steel pin and distance ring
- ▶ Solid brass

Furniture hinge 209

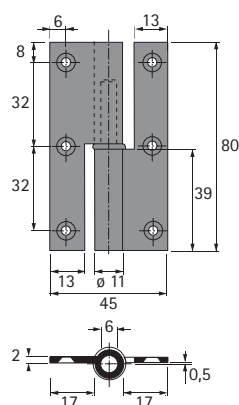
Article	Finish	Order no.	PU
Furniture hinge 209 left Cranking A	Polished	0 031 042	1/10 ea.
	Nickel-plated matt	0 031 046	1/10 ea.
	Nickel-plated high-gloss	0 031 048	1/10 ea.
Furniture hinge 209 right Cranking A	Polished	0 031 043	1/10 ea.
	Nickel-plated matt	0 031 047	1/10 ea.
	Nickel-plated high-gloss	0 031 049	1/10 ea.

Mounting example



Attachment by countersunk wood screws \varnothing 3 mm DIN 97

Hinge length 80 mm



▶ Advice

For technical information, see page 271

Furniture hinges

- ▶ Furniture hinge 209, cranking B
- ▶ For inset doors with recess

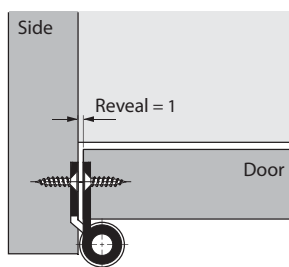


- ▶ Knuckle diameter 11 mm
- ▶ Flap thickness 2 mm
- ▶ Solid material, drilled and milled
- ▶ With steel pin and distance ring
- ▶ Solid brass

Furniture hinge 209

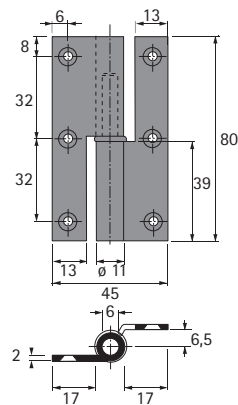
Article	Finish	Order no.	PU
Furniture hinge 209 left Cranking B	Polished	0 031 050	1/10 ea.
	Nickel-plated matt	0 031 054	1/10 ea.
Furniture hinge 209 right Cranking B	Polished	0 031 051	1/10 ea.
	Nickel-plated matt	0 031 055	1/10 ea.

Mounting example



Attachment by countersunk wood screws \varnothing 3 mm DIN 97

Hinge length 80 mm



▶ Advice

For technical information, see page 271

Furniture hinges

- ▶ Furniture hinge 209, cranking D 7.5
- ▶ For rebated doors

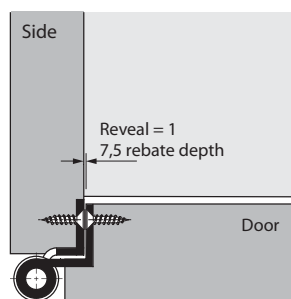


- ▶ Knuckle diameter 11 mm
- ▶ Flap thickness 2 mm
- ▶ Solid material, drilled and milled
- ▶ With steel pin and distance ring
- ▶ Solid brass

Furniture hinge 209

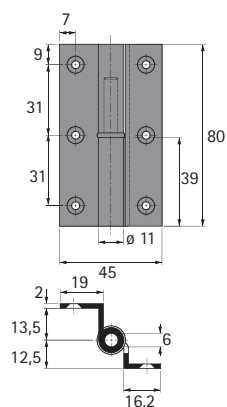
Article	Finish	Order no.	PU
Furniture hinge 209 left Cranking D 7.5	Polished	0 031 058	1/10 ea.
	Nickel-plated matt	0 031 062	1/10 ea.
Furniture hinge 209 right Cranking D 7.5	Polished	0 031 059	1/10 ea.
	Nickel-plated matt	0 031 063	1/10 ea.

Mounting example



Attachment by countersunk wood screws \varnothing 3 mm DIN 97

Hinge length 80 mm

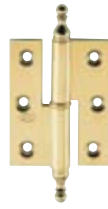


▶ Advice

For technical information, see page 271

Finial butt hinges

- ▶ Finial butt hinge 230 with decorative finial, cranking A
- ▶ For flush inset or overlay doors

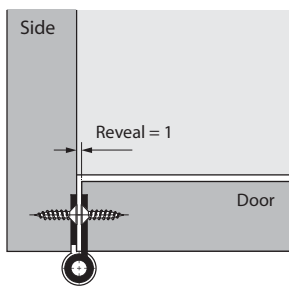


- ▶ Knuckle diameter 8 mm
- ▶ Flap thickness 1.7 mm
- ▶ Solid material, drilled and milled
- ▶ With steel pin, distance ring and decorative finials ZK 19
- ▶ Solid brass

Finial butt hinge 230

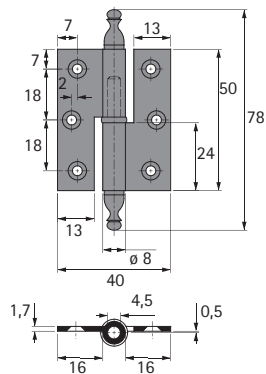
Article	Finish	Order no. / Hinge length mm		PU
		50	60	
Finial butt hinge 230 left Cranking A	Polished	0 031 024	0 042 062	1/10 ea.
	Brown antique	0 031 026	0 042 063	1/10 ea.
Finial butt hinge 230 right Cranking A	Polished	0 031 027	0 042 065	1/10 ea.
	Brown antique	0 031 029	0 042 066	1/10 ea.

Mounting example

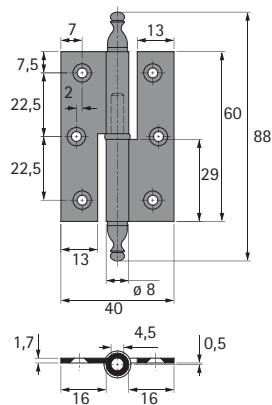


Attachment by countersunk wood screws \varnothing 3 mm DIN 97

Hinge length 50 mm



Hinge length 60 mm



▶ Advice

For technical information, see page 271

Finial butt hinges

- ▶ Finial butt hinge 230 with decorative finial, cranking D 7.5
- ▶ For rebated doors

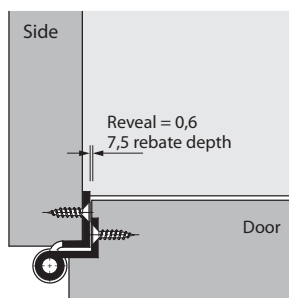


- ▶ Knuckle diameter 8 mm
- ▶ Flap thickness 1.7 mm
- ▶ Solid material, drilled and milled
- ▶ With steel pin, distance ring and decorative finials ZK 19
- ▶ Solid brass

Finial butt hinge 230

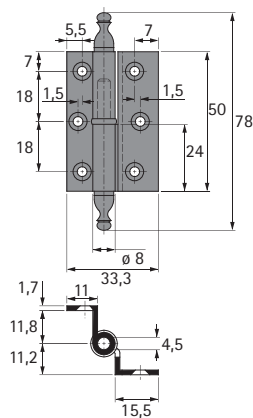
Article	Finish	Order no. / Hinge length mm		PU
		50	60	
Finial butt hinge 230 left Cranking D 7.5	Polished	0 031 036	0 042 036	1/10 ea.
	Brown antique	0 031 038	0 042 038	1/10 ea.
Finial butt hinge 230 right Cranking D 7.5	Polished	0 031 039	0 042 040	1/10 ea.
	Brown antique	0 031 041	0 042 042	1/10 ea.

Mounting example

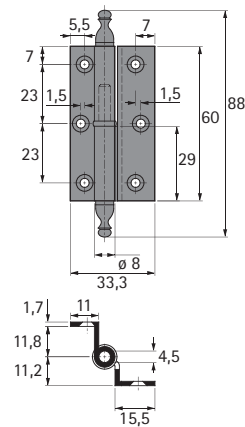


Attachment by countersunk wood screws \varnothing 3 mm DIN 97

Hinge length 50 mm



Hinge length 60 mm



▶ Advice

For technical information, see page 271

Finial butt hinges

- ▶ Finial butt hinge 270 with decorative finial, cranking B
- ▶ For inset doors with recess

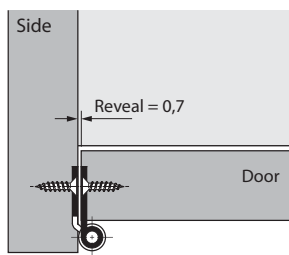


- ▶ Knuckle diameter 6 mm
- ▶ Flap thickness 1.7 mm
- ▶ Solid material, drilled and milled
- ▶ With steel pin, distance ring and decorative finials ZK 19
- ▶ Solid brass

Finial butt hinge 270

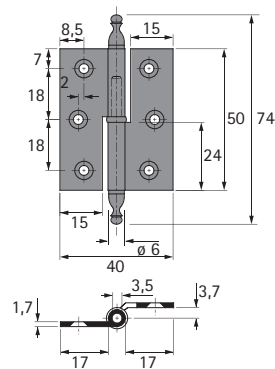
Article	Finish	Order no.	PU
Finial butt hinge 270 left Cranking B	Brown antique	0 042 000	1/20 ea.
Finial butt hinge 270 right Cranking B		0 042 003	1/20 ea.

Mounting example



Attachment by countersunk wood screws \varnothing 3 mm DIN 97

Hinge length 50 mm



▶ Advice

For technical information, see page 271

Finial butt hinges

- ▶ Finial butt hinge 270 with decorative finial, cranking D 7.5
- ▶ For rebated doors

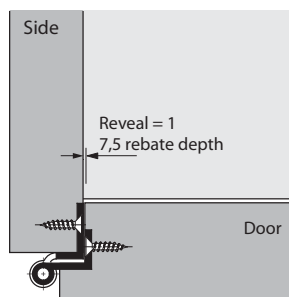


- ▶ Knuckle diameter 6 mm
- ▶ Flap thickness 1.7 mm
- ▶ Solid material, drilled and milled
- ▶ With steel pin, distance ring and decorative finials ZK 19
- ▶ Solid brass

Finial butt hinge 270

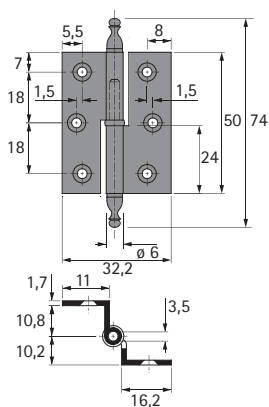
Article	Finish	Order no.	PU
Finial butt hinge 270 left Cranking D 7.5	Polished	0 031 987	1/20 ea.
	Brown antique	0 042 302	1/20 ea.
Finial butt hinge 270 right Cranking D 7.5	Polished	0 031 990	1/20 ea.
	Brown antique	0 031 992	1/20 ea.

Mounting example



Attachment by countersunk wood screws \varnothing 3 mm DIN 97

Hinge length 50 mm



▶ Advice

For technical information, see page 271

Finial butt hinges

- ▶ Finial butt hinge 212 with decorative finial, cranking A
- ▶ For flush inset or overlay doors

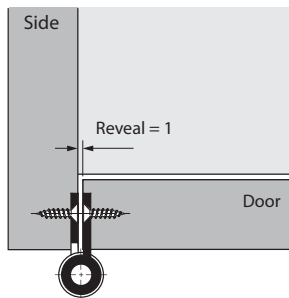


- ▶ Knuckle diameter 11 mm
- ▶ Flap thickness 2 mm
- ▶ Solid material, drilled and milled
- ▶ With steel pin, distance ring and decorative finials ZK 19
- ▶ Solid brass

Finial butt hinge 212

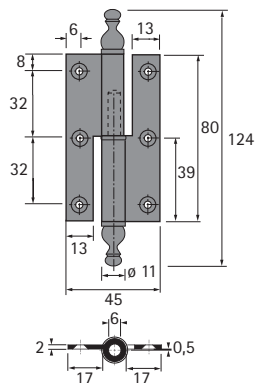
Article	Finish	Order no.	PU
Finial butt hinge 212 left Cranking A	Polished	0 031 066	1/10 ea.
Finial butt hinge 212 right Cranking A		0 031 067	1/10 ea.

Mounting example



Attachment by countersunk wood screws \varnothing 3 mm DIN 97

Hinge length 80 mm



▶ Advice

For technical information, see page 271

Finial butt hinges

- ▶ Finial butt hinge 212 with decorative finial, cranking B
- ▶ For inset doors with recess

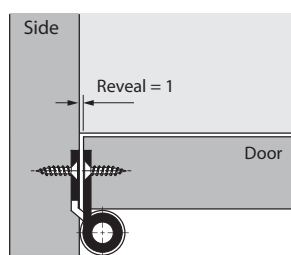


- ▶ Knuckle diameter 11 mm
- ▶ Flap thickness 2 mm
- ▶ Solid material, drilled and milled
- ▶ With steel pin, distance ring and decorative finials ZK 19
- ▶ Solid brass

Finial butt hinge 212

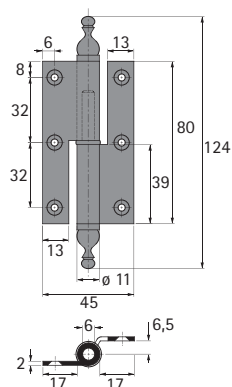
Article	Finish	Order no.	PU
Finial butt hinge 212 left Cranking B	Polished	0 031 070	1/10 ea.
Finial butt hinge 212 right Cranking B		0 031 071	1/10 ea.

Mounting example



Attachment by countersunk wood screws \varnothing 3 mm DIN 97

Hinge length 80 mm



▶ Advice

For technical information, see page 271

Finial butt hinges

- ▶ Finial butt hinge 212 with decorative finial, cranking D 7.5
- ▶ For rebated doors

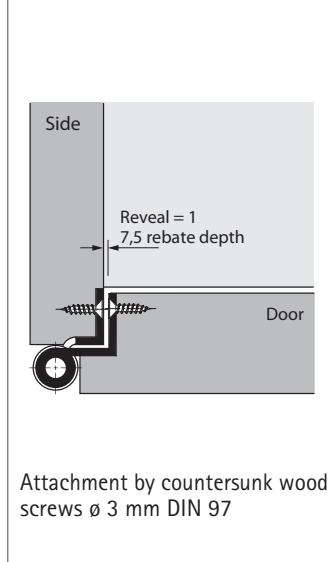


- ▶ Knuckle diameter 11 mm
- ▶ Flap thickness 2 mm
- ▶ Solid material, drilled and milled
- ▶ With steel pin, distance ring and decorative finials ZK 19
- ▶ Solid brass

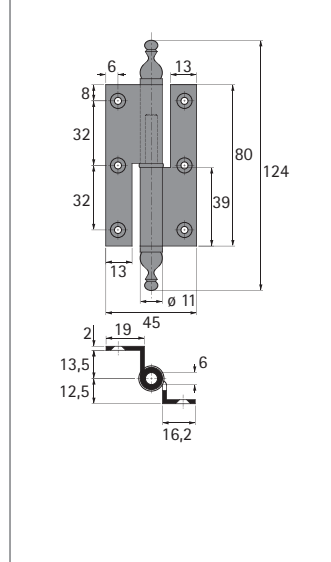
Finial butt hinge 212

Article	Finish	Order no.	PU
Finial butt hinge 212 left Cranking D 7.5	Polished	0 031 074	1/10 ea.
	Brown antique	0 031 076	1/10 ea.
Finial butt hinge 212 right Cranking D 7.5	Polished	0 031 075	1/10 ea.
	Brown antique	0 031 077	1/10 ea.

Mounting example



Hinge length 80 mm



▶ Advice

For technical information, see page 271

Angle hinges

- ▶ Angle hinge 700, cranking L
- ▶ For flush overlay doors

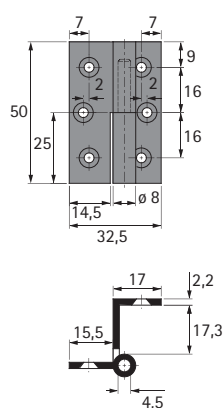


- ▶ Knuckle diameter 7 / 8 mm
- ▶ Flap thickness 2 / 2.2 mm
- ▶ Opening angle 270°
- ▶ Solid material, drilled and milled
- ▶ With steel pin, without distance ring
- ▶ Solid brass

Angle hinge 700

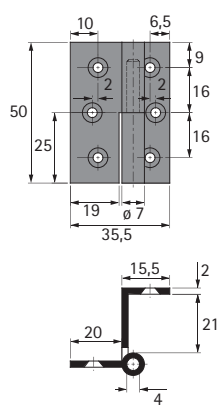
Article	Finish	Order no. / Door thickness mm				PU
		16 - 17 mm	18 - 20 mm	20 - 21 mm	22 - 23 mm	
Angle hinge 700 left Cranking L	Polished		0 031 090			1/10 ea.
	Nickel-plated high-gloss		0 031 092		0 031 863	1/10 ea.
	Nickel-plated matt	0 031 893	0 031 093	0 042 798	0 031 864	1/10 ea.
Angle hinge 700 right Cranking L	Polished		0 031 094			1/10 ea.
	Nickel-plated high-gloss		0 031 096		0 031 860	1/10 ea.
	Nickel-plated matt	0 031 889	0 031 097	0 042 802	0 031 861	1/10 ea.

Door thickness 16 - 17 mm

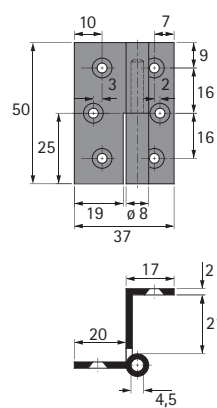


Attachment by countersunk wood screws \varnothing 3 mm DIN 97

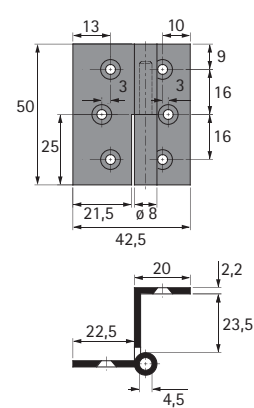
Door thickness 18 - 20 mm



Door thickness 20 - 21 mm



Door thickness 22 - 23 mm

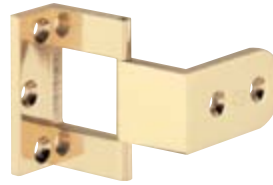


▶ Advice

For technical information, see page 271

Angle hinges

- ▶ Angle hinge 4162, cranking L
- ▶ For flush overlay doors

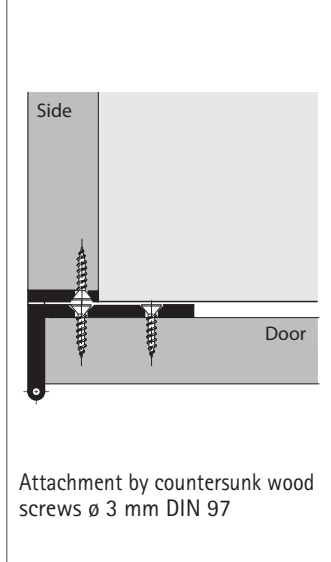


- ▶ Knuckle diameter 4 mm
- ▶ Flap thickness 3 mm
- ▶ Door thickness 16 - 20 mm
- ▶ Solid material, drilled and milled
- ▶ With fixed stainless-steel pin
- ▶ Opening angle 220°
- ▶ Solid brass

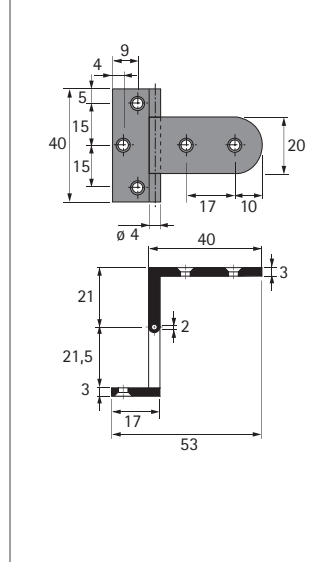
Angle hinge 4162

Finish	Order no.	PU
Polished	0 042 592	1/10 ea.
Nickel-plated high-gloss	0 042 593	1/10 ea.

Mounting example



Door thickness 16 - 20 mm



▶ Advice

For technical information, see page 271

Brass hinges

- ▶ Brass hinge 100, cranking A
- ▶ For flush inset or overlay doors



- ▶ Knuckle diameter 3.5 - 6 mm
- ▶ Flap thickness 1.3 - 2.5 mm
- ▶ Solid material, drilled and milled
- ▶ With fixed brass pin
- ▶ Solid brass

Brass hinge 100

Size a x b mm	Finish	Order no.	PU
20 x 16	Nickel-plated high-gloss	0 042 635	1/20 ea.
	Nickel-plated matt	0 042 636	1/20 ea.
25 x 20	Nickel-plated high-gloss	0 042 641	1/20 ea.
	Chrome-plated high-gloss	0 042 643	1/20 ea.
30 x 20	Polished	0 042 545	1/20 ea.
	Nickel-plated matt	0 042 648	1/20 ea.
	Chrome-plated high-gloss	0 042 649	1/20 ea.
40 x 20	Polished	0 042 546	1/20 ea.
	Nickel-plated high-gloss	0 042 653	1/20 ea.
	Nickel-plated matt	0 042 654	1/20 ea.
40 x 30	Brushed finish	0 031 103	1/10 ea.
	Polished	0 042 548	1/10 ea.
	Nickel-plated high-gloss	0 042 665	1/10 ea.
	Nickel-plated matt	0 042 666	1/10 ea.
	Chrome-plated high-gloss	0 042 667	1/10 ea.
40 x 40	Nickel-plated matt	0 042 678	1/10 ea.
	Chrome-plated high-gloss	0 042 679	1/10 ea.
50 x 30	Brushed finish	0 042 252	1/10 ea.
	Polished	0 042 549	1/10 ea.
	Matt brushed	0 042 670	1/10 ea.
	Nickel-plated matt	0 042 672	1/10 ea.
	Chrome-plated high-gloss	0 042 673	1/10 ea.
	Chrome-plated matt	0 042 674	1/10 ea.
50 x 40	Brushed finish	0 031 104	1/10 ea.
	Polished	0 042 551	1/10 ea.
	Matt brushed	0 042 682	1/10 ea.
	Nickel-plated high-gloss	0 042 683	1/10 ea.
	Nickel-plated matt	0 042 684	1/10 ea.
50 x 50	Nickel-plated matt	0 042 696	1/10 ea.

Brass hinges

- ▶ Brass hinge 100, cranking A
- ▶ For flush inset or overlay doors

Size a x b mm	Finish	Order no.	PU
60 x 40	Brushed finish	0 031 105	1/10 ea.
	Polished	0 042 552	1/10 ea.
	Matt brushed	0 042 688	1/10 ea.
	Nickel-plated high-gloss	0 042 689	1/10 ea.
	Nickel-plated matt	0 042 690	1/10 ea.
	Chrome-plated high-gloss	0 042 691	1/10 ea.
	Chrome-plated matt	0 042 692	1/10 ea.
60 x 50	Polished	0 042 554	1/10 ea.
	Nickel-plated high-gloss	0 042 701	1/10 ea.
	Nickel-plated matt	0 042 702	1/10 ea.
	Chrome-plated high-gloss	0 042 703	1/10 ea.
80 x 50	Brushed finish	0 042 338	1/10 ea.
	Polished	0 042 555	1/10 ea.
	Nickel-plated matt	0 042 708	1/10 ea.
	Chrome-plated high-gloss	0 042 709	1/10 ea.
80 x 60	Brushed finish	0 031 106	1/10 ea.
	Polished	0 042 556	1/10 ea.
	Nickel-plated high-gloss	0 042 713	1/10 ea.
	Nickel-plated matt	0 042 714	1/10 ea.

Mounting example

Attachment by countersunk wood screws dia. see table

Size a x b mm	d1 mm	d2 mm	S1 mm	S2 mm	Screw holes	DIN 97 dia. mm
20 x 16	3.5	2.0	1.3	1.0	4	2.0
25 x 20	4.0	2.5	1.5	1.2	4	2.5
30 x 20	4.0	2.5	1.5	1.2	4	2.5
40 x 20	4.0	2.5	1.5	1.2	4	2.5
40 x 30	4.0	2.5	1.5	1.2	4	3.0
40 x 40	4.5	2.5	1.8	1.5	4	3.0
50 x 30	4.5	2.5	1.8	1.5	6	3.0
50 x 40	4.5	2.5	1.8	1.5	6	3.0
50 x 50	5.0	3.0	2.0	1.5	6	3.0
60 x 40	5.5	3.0	2.25	1.75	6	3.5
60 x 50	5.0	3.0	2.0	1.5	6	3.0
80 x 50	6.5	3.5	2.5	2.0	6	3.5
80 x 60	6.0	3.5	2.5	2.0	6	3.5

Determining gaps with recessed hinge sides:
 $d1 - (2 \times S1)$

▶ Advice

For technical information, see page 271

Brass hinges

- ▶ Brass hinge 101 with decorative finial, cranking A
- ▶ For flush inset or overlay doors

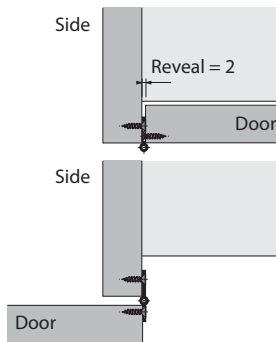


- ▶ Knuckle diameter 7 / 8 mm
- ▶ Flap thickness 2 mm
- ▶ Solid material, drilled and milled with fixed brass pin
- ▶ 2-dimensional adjustment:
Height adjustment + 1 mm
Depth adjustment ± 1.5 mm
- ▶ With or without decorative finial
- ▶ Solid brass

Brass hinge 101

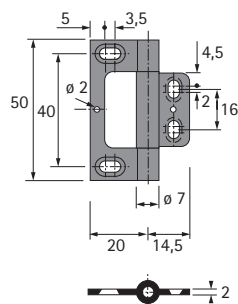
Article	Finish	Order no. / Hinge length mm		PU
		50	75	
Furniture hinge 101 with decorative finial ZK 19	Polished		0 079 414	1/10 ea.
Furniture hinge 101 without decorative finial	Nickel-plated matt	0 079 406	0 079 412	1/10 ea.

Mounting example

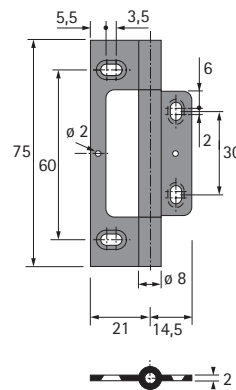


Attachment by countersunk wood screws \varnothing 3 mm DIN 97

Hinge length 50 mm



Hinge length 75 mm



▶ Advice

For technical information, see page 271

► Technical information

Cranking A

Flush inset / overlay

Cranking B

Inset with recess

Cranking D 7.5

Rebated

Cranking L

Flush overlay

Left hinge/right hinge

Left-hand hinge Side flap Right-hand hinge

To distinguish between right and left hinges with screw-on flaps, they must be viewed from the front in fully open position looking towards the countersunk screw holes. A left-hand hinge has the door flap (door wing part) on the left. If the door flap is on the right, the hinge is a right-hand hinge.

Number of hinges per door

Door weight and width, material quality and hinge attachment are decisive factors in determining the number of furniture hinges per door. The factors encountered in practice differ widely from case to case. The numbers shown in the diagram are therefore only intended as a guide. If in doubt, it is recommended to carry out a trial door mounting. For reasons of stability, distance X between the hinges must always be made as large as possible.