



Hinges and opening systems



Technical information / Legal notice

General technical conditions

The fitting instructions, screw fixing points and load capacity information provided in this catalogue assume proper attachment using screws specified by Hettich to a chipboard panel providing a screw pull out resistance of at least 1,000 N in accordance with EN 320.

Hettich accepts no responsibility for the load capacity of furniture and its components if other materials or other fastening methods are used; the furniture manufacturer must verify the load capacity.

The fitting situations shown in this catalogue are only intended to illustrate the possible options.

The furniture manufacturer is responsible for ensuring that furniture is designed in compliance with standards, in particular with regard to meeting the requirements on safety.

We will be pleased to provide any further information you may require.

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Hinges

► Summary of ranges

Sensys with integrated Silent System

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Fast assembly concealed hinge
Intermat

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Concealed hinges
Selekta Pro 2000

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Special hinges

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Opening system for handleless furniture fronts

Push to open for hinges

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Push to open Silent for hinged doors

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Electromechanical opening system for
handleless furniture fronts
Easys

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Hinges

► Summary of ranges

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Special hinges
Summary

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Opening system for handleless furniture fronts
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Opening system for handleless furniture fronts
Electromechanical opening system
for handleless furniture fronts
Easys 164



	 Sensys	 Sensys in obsidian black	 Intermat
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Hinge cup mounting	► For screwing on ► For pressing in ► Fix fast installation ► With expanding sockets	► For screwing on ► With expanding sockets	► For screwing on ► For pressing in ► With expanding sockets
Door / door frame material	Wood, aluminium	Wood, aluminium	Wood, glass / wood, aluminium
Installation	Clip on installation	Clip on installation	Clip on installation
Locking system	► With self closing feature ► Without self closing feature	► With self closing feature ► Without self closing feature	► With self closing feature ► Without self closing feature
Silent System	► Integrated Silent System ► Without Silent System	► Integrated Silent System ► Without Silent System	► Can be retrofitted by way of option
Opening angle	95° – 110° 165°	95° – 110° 165°	95° – 110° 165° 125°
Zero protrusion hinge	165° (Optional soft opening)	165° (Optional soft opening)	165° (Optional soft opening)
Door adjustment	3-dimensional	3-dimensional	3-dimensional
Mounting plate system	For Sensys with oblong hole and direct height adjustment	For Sensys with oblong hole and direct height adjustment	For Sensys and Intermat with oblong hole and Direkt height adjustment
Optional equipment	► Push to open / Push to open Silent opening systems ► Accessories	► Push to open / Push to open Silent opening systems ► Accessories	► Silent System ► Push to open / Push to open Silent opening systems ► Accessories

* related to main application hinge

Selekta Pro 2000



100 - 101

EN 15570 - Level 3*

- For screwing on
- For pressing in

Wood, glass / wood

Clip on installation

- Can be retrofitted by way of option

180° - 270°

2-dimensional

- Silent System
- Glass door cover cap
- Cover cap

Fast assembly concealed hinge

► Sensys with integrated Silent System



Beautiful. And beautifully quiet

Sensys hinges from Hettich are the heart of good doors. They provide unbeatable solutions for any range of furniture. Reliable performance, long life, noticeable high quality. With clever mounting and adjustment options. Sensys, the hinge technology with integrated soft closing

function for even greater convenience closing hinged doors. With its uniquely wide automatic closing angle of 35°, Sensys closes the door almost on its own. Innovative, gentle, quiet.



Experience perfectly designed furniture:
Sensys in obsidian black perfects the design of dark furniture.



Feature Silent System excellence and efficiency:
performs better than any of the others – saving a hinge in many cases!



Benefit from thermal stability:
whether in cool rooms or at high ambient temperature – the integrated Silent System never fails.



hettich.com/short/4d1ca4

Find out more:
You can get inspiration and further product details on our website.

Fast assembly concealed hinge

- ▶ Sensys with integrated Silent System
- ▶ Summary



Sensys
Range summary

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Sensys in obsidian black
Range summary

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Mounting plates
For Sensys and Intermat

74 – 83



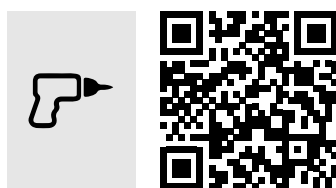
Accessories

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Fitting information

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Hettich Technical Assistant

- ▶ Installation
- ▶ Adjusting
- ▶ Service
- ▶ Example applications and door mounting drawings

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Add-on products

- ▶ EasyS electromechanical opening system – Summary
- ▶ Push to Open Silent / Push to Open

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Fast-assembly concealed hinge

- Sensys
- Range summary



Sensys 110° hinge

- Opening angle 110°

10 - 12



Sensys thick door hinge

- For narrow gaps between thick doors
- 95° opening angle

14 - 17



Sensys thin door hinge

- For thin doors from 10 mm
- Opening angle 110°

18 - 20



Sensys wide angle hinge

- With zero protrusion
- Opening angle 165°

21 - 24



Sensys angle hinge W30

- For 30° face angle applications
- 95° opening angle

26 - 28



Sensys angle hinge W45

- For face angle 45°
- 95° opening angle

30 - 33



Sensys angle hinge W90

- For 90° face angle applications
- 95° opening angle

34 - 36



Sensys aluminium frame hinge

- For aluminium framed doors
- 95° opening angle

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Hinge for corner cabinet folding doors

- For corner cabinets with folding doors
- Opening angle 50° / 65°

46 - 48



Mounting plates

- For Novisys, Sensys and Intermat

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Accessories

- For Sensys

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Technical information

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Fast-assembly concealed hinge

- Sensys in obsidian black
- Range summary



Sensys 110° hinge

- 110° opening angle

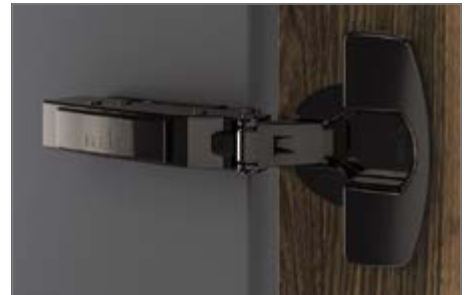
11



Sensys thick door hinge

- For narrow gaps between thick doors
- 95° opening angle

15



Sensys thin door hinge

- For thin doors from 10 mm
- Opening angle 110°

19



Sensys wide-angle hinge

- With zero protrusion
- Opening angle 165°

23



Sensys angle hinge W30

- For 30° face angle applications
- 95° opening angle

27



Sensys angle hinge W45

- For face angle 45°
- 95° opening angle

31



Sensys angle hinge W90

- For 90° face angle applications
- 95° opening angle

35



Sensys aluminium frame hinge

- For aluminium framed doors
- 95° opening angle

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Hinge for corner cabinet folding doors

- For corner cabinets with folding doors
- 95° opening angle

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Mounting plates

- For Sensys

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Accessories

- For Sensys

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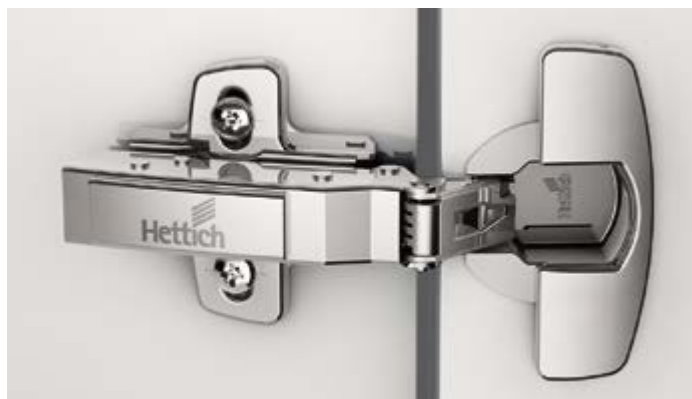


Technical information

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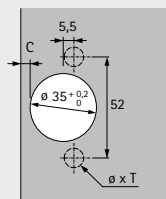
Fast assembly concealed hinge

- Sensys 110° hinge
- Opening angle 110°, drilling pattern TH 52 x 5.5 mm

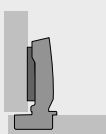


- Quality classification under EN 15570, Level 3
- For door thickness 15 - 24 mm
- Cup depth 12.8 mm
- Integrated overlay adjustment +2 mm / -2 mm
- Integrated depth adjustment +3 mm / -2 mm
- Height adjustment at mounting plate
- Steel nickel plated

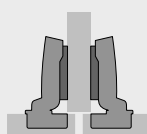
Drilling pattern



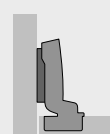
full overlay
(Base B 12.5 mm)



half overlay
(Base B 3 mm)



inset
(Base B -4 mm)



With integrated Silent System, with self closing feature (Sensys 8645i)

Cup assembly	Mounting hole ø x T mm	full overlay		half overlay		inset	
		50 ea.	200 ea.	50 ea.	200 ea.	50 ea.	200 ea.
For screwing on	-	9 073 605	9 071 205	9 073 606	9 071 206	9 073 607	9 071 207
For pressing in	ø 10 x 11	9 073 608	9 071 208	9 073 609	9 071 209	9 073 610	9 071 210
Fix fast assembly	ø 10 x 6	9 073 614		9 073 615		9 073 616	
with expanding sockets	ø 10 x 11	9 073 686	9 073 567	9 073 687	9 073 568	9 073 688	

Without Silent System, with self closing feature (Sensys 8645)

Cup assembly	Mounting hole ø x T mm	full overlay		half overlay		inset	
		50 ea.	200 ea.	50 ea.	200 ea.	50 ea.	200 ea.
For screwing on	-	9 073 638	9 071 259	9 073 639		9 073 640	
For pressing in	ø 10 x 11	9 073 641	9 071 262	9 073 642		9 073 643	
Fix fast assembly	ø 10 x 6	9 073 644		9 073 645		9 073 646	
with expanding sockets	ø 10 x 11	9 073 695		9 073 696		9 073 697	

Without Silent System, without self closing feature, for handleless applications (Sensys 8675)

Cup assembly	Mounting hole ø x T mm	full overlay		half overlay		inset	
		50 ea.	200 ea.	50 ea.	200 ea.	50 ea.	200 ea.
For screwing on	-	9 073 662		9 073 663		9 073 664	
For pressing in	ø 10 x 11	9 073 665		9 073 666		9 073 667	
Fix fast assembly	ø 10 x 6	9 073 668		9 073 669		9 073 670	
with expanding sockets	ø 10 x 11	9 073 704		9 073 705		9 073 706	

Fast assembly concealed hinge

- ▶ Sensys 110° hinge
- ▶ Opening angle 110°, drilling pattern TH 52 x 5.5 mm



- ▶ Quality classification under EN 15570, Level 3
- ▶ For door thickness 15 - 24 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
- ▶ Steel in obsidian black

Drilling pattern	full overlay (Base B 12.5 mm)	half overlay (Base B 3 mm)	inset (Base B -4 mm)

With integrated Silent System, with self closing feature (Sensys 8645i)

Cup assembly	Mounting hole ø x T mm	full overlay		half overlay		inset	
		50 ea.	200 ea.	50 ea.	200 ea.	50 ea.	200 ea.
For screwing on	-	9 091 738	9 117 734	9 091 739	9 117 736	9 091 740	9 117 737
with expanding sockets	ø 10 x 11	9 091 771	9 117 735	9 091 772		9 091 773	

Without Silent System, without self closing feature, for handleless applications (Sensys 8675)

Cup assembly	Mounting hole ø x T mm	full overlay	half overlay	inset
		50 ea.	50 ea.	50 ea.
For screwing on	-	9 091 741	9 091 742	9 091 743
with expanding sockets	ø 10 x 11	9 091 774	9 091 775	9 091 776

Fast assembly concealed hinge

- Sensys 110° hinge
- Opening angle 110°

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

Please note:

The table entries refer to doors with an edge radius of 1 mm.

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

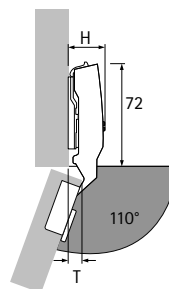
Radius 0 mm:

Values shown in table + 0.4 mm

Radius 3 mm:

Values shown in table - 0.6 mm

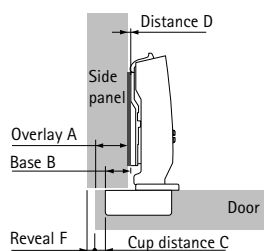
Protrusions / installed depth



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

Door mounting option	H mm	T mm
full overlay	25.0	8.5
half overlay	31.0	18.0
inset	38.0	25.0

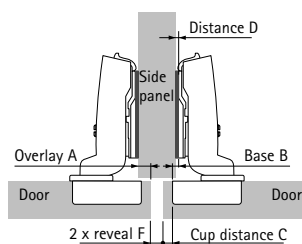
full overlay



Distance D = C + B - 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
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

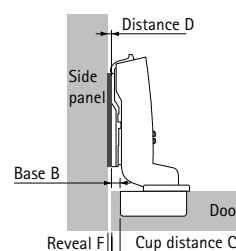
half overlay



Distance D = C + B - 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
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



Distance D = C + B + F
= cup distance C - 4 mm + 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
23	2.0	2.6	2.9	3.2	4.0	4.9
24	2.9	3.4	3.7	4.0	4.6	5.4

Advice

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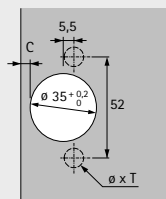
Fast assembly concealed hinge

- Sensys thick door hinge, door thickness up to 32 mm
- Opening angle 95°, drilling pattern TH 52 x 5.5 mm

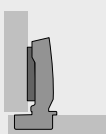


- Quality classification under EN 15570, Level 2
- For door thickness 15 - 32 mm
- Cup depth 12.8 mm
- Integrated overlay adjustment +2 mm / -2 mm
- Integrated depth adjustment +3 mm / -2 mm
- Height adjustment at mounting plate
- Steel nickel plated

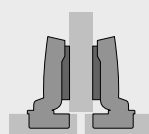
Drilling pattern



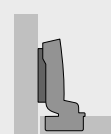
full overlay
(Base B 12.5 mm)



half overlay
(Base B 3 mm)



inset
(Base B -4 mm)



With integrated Silent System, with self closing feature (Sensys 8631i)

Cup assembly	Mounting hole ø x T mm	full overlay		half overlay		inset	
		50 ea.	200 ea.	50 ea.	200 ea.	50 ea.	200 ea.
For screwing on	-	9 091 400	9 090 260	9 091 410	9 090 270	9 091 420	9 090 280
For pressing in	ø 10 x 11	9 091 401	9 090 261	9 091 411		9 091 421	
with expanding sockets	ø 10 x 11	9 091 406		9 091 416		9 091 426	

Without Silent System, with self closing feature (Sensys 8631)

Cup assembly	Mounting hole ø x T mm	full overlay		half overlay		inset	
		50 ea.	200 ea.	50 ea.	200 ea.	50 ea.	200 ea.
For screwing on	-	9 091 490		9 091 500		9 091 510	
For pressing in	ø 10 x 11	9 091 491		9 091 501		9 091 511	

Without Silent System, without self closing feature, for handleless applications (Sensys 8661)

Cup assembly	Mounting hole ø x T mm	full overlay		half overlay		inset	
		50 ea.	200 ea.	50 ea.	200 ea.	50 ea.	200 ea.
For screwing on	-	9 091 580		9 091 590		9 091 600	
For pressing in	ø 10 x 11	9 091 581		9 091 591		9 091 601	

Fast assembly concealed hinge

- ▶ Sensys thick door hinge, door thickness up to 32 mm
- ▶ Opening angle 95°, drilling pattern TH 52 x 5.5 mm



- ▶ Quality classification under EN 15570, Level 2
- ▶ For door thickness 15 - 32 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
- ▶ Steel in obsidian black

Drilling pattern	full overlay (Base B 12.5 mm)	half overlay (Base B 3 mm)	inset (Base B -4 mm)

With integrated Silent System, with self closing feature (Sensys 8631i)

Cup assembly	Mounting hole ø x T mm	full overlay		half overlay	inset
		50 ea.	200 ea.	50 ea.	50 ea.
For screwing on	-	9 091 753	9 090 967	9 091 755	9 091 756
with expanding sockets	ø 10 x 11	9 091 754		9 091 785	9 091 757

Without Silent System, without self closing feature, for handleless applications (Sensys 8661)

Cup assembly	Mounting hole ø x T mm	full overlay	half overlay	inset
		50 ea.	50 ea.	50 ea.
For screwing on	-	9 091 758	9 091 759	9 091 760
with expanding sockets	ø 10 x 11	9 091 786	9 091 787	9 091 788

Fast assembly concealed hinge

- Sensys thick door hinge, door thickness up to 32 mm
- 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	0.1	0.1	0.1	0.1	0.1	0.1	0.1
16	0.1	0.1	0.1	0.1	0.1	0.1	0.1
17	0.2	0.2	0.2	0.2	0.2	0.2	0.2
18	0.2	0.2	0.2	0.2	0.2	0.2	0.2
19	0.3	0.3	0.3	0.3	0.3	0.3	0.3
20	0.4	0.4	0.4	0.4	0.4	0.4	0.4
21	0.6	0.6	0.6	0.6	0.6	0.6	0.6
22	0.7	0.7	0.7	0.7	0.7	0.7	0.7
23	0.9	0.9	0.9	0.9	0.9	0.9	0.9
24	1.1	1.0	1.0	1.0	1.0	1.0	1.0
25	1.3	1.2	1.2	1.2	1.2	1.2	1.2
26	1.5	1.5	1.4	1.4	1.4	1.4	1.4
27	1.7	1.7	1.7	1.7	1.6	1.6	1.6
28	2.0	2.0	1.9	1.9	1.9	1.8	1.8
29	2.9	2.3	2.2	2.2	2.2	2.1	2.1
30	3.8	3.2	3.0	2.7	2.5	2.4	2.4
31	4.8	4.1	3.8	3.6	3.1	2.7	2.7
32	5.7	5.1	4.8	4.5	3.9	3.4	3.0

Please note:

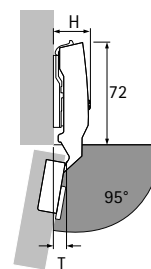
The table entries refer to doors with an edge radius of 1 mm.

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

Radius 0 mm:

Values shown in table + 0.4 mm

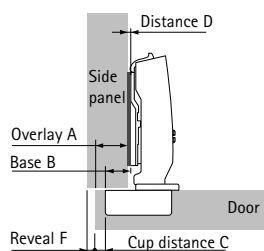
Protrusions / installed depth



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

Door mounting option	H mm	T mm
full overlay	24.0	12.5
half overlay	28.3	22.0
inset	35.3	29.0

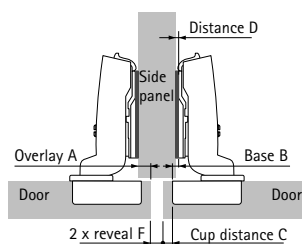
full overlay



Distance D = C + B - 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

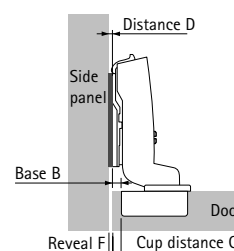
half overlay



Distance D = C + B - 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							
0.5	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



Distance D = C + B + F
= cup distance C - 4 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							
15	0.1	0.6	1.1	2.1	3.1	4.1	
16	0.1	0.6	1.1	2.1	3.1	4.1	
17	0.2	0.7	1.2	2.2	3.2	4.2	
18	0.2	0.7	1.2	2.2	3.2	4.2	
19	0.3	0.8	1.3	2.3	3.3	4.3	
20	0.4	0.9	1.4	2.4	3.4	4.4	
21	0.6	1.1	1.6	2.6	3.6	4.6	
22	0.7	1.2	1.7	2.7	3.7	4.7	
23	0.9	1.4	1.9	2.9	3.9	4.9	
24	0.1	1.0	1.5	2.0	3.0	4.0	5.0
25	0.3	1.2	1.7	2.2	3.2	4.2	5.2
26	0.5	1.5	1.9	2.4	3.4	4.4	5.4
27	0.7	1.7	2.2	2.7	3.6	4.6	5.6
28	1.0	2.0	2.4	2.9	3.9	4.8	5.8
29	1.9	2.3	2.7	3.2	4.2	5.1	6.1
30	2.8	3.2	3.5	3.7	4.5	5.4	6.4
31	3.8	4.1	4.3	4.6	5.1	5.7	6.7
32	4.7	5.1	5.3	5.5	5.9	6.4	7.0

Advice

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Fast assembly concealed hinge

- Sensys thick door hinge, door thickness up to 32 mm
- 95° opening angle

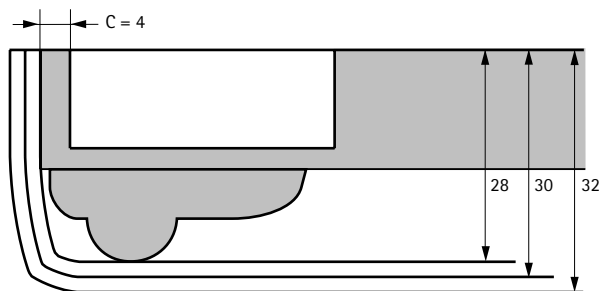
Door contours for minimum reveal application – scale 1:1

The values shown in the Minimum reveal table refer to an edge radius of 1 mm. Smaller reveal values apply if door edges are more rounded.

To obtain a minimum reveal application, the chosen door contour must lie within the template illustrated below. All contours protruding beyond the template will increase the reveal accordingly.

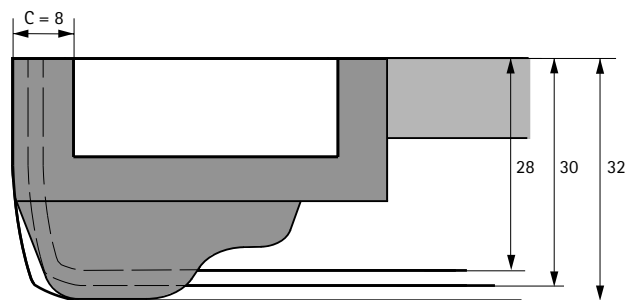


Example of minimum reveal application



Example of minimum reveal application

Door thickness	16 mm
Profile thickness	12 mm
Overall thickness	28 mm
Cup distance C	4 mm



Example of minimum reveal application

Door thickness	19 mm
Profile thickness	13 mm
Overall thickness	32 mm
Cup distance C	8 mm

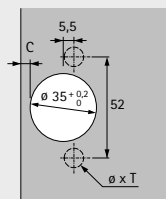
Fast assembly concealed hinge

- Sensys thin door hinge, door thickness from 10 mm
- Opening angle 110°, drilling pattern TH 52 x 5.5 mm

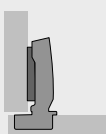


- Quality classification under EN 15570, Level 3
- For door thickness 10 - 19 mm
- Cup depth 7.8 mm
- Integrated overlay adjustment +2 mm / -2 mm
- Integrated depth adjustment +3 mm / -2 mm
- Height adjustment at mounting plate
- Steel nickel plated

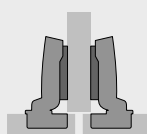
Drilling pattern



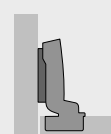
full overlay
(Base B 12.5 mm)



half overlay
(Base B 3 mm)



inset
(Base B -4 mm)



With integrated Silent System, with self closing feature (Sensys 8646i)

Cup assembly	Mounting hole ø x T mm	full overlay 50 ea.	half overlay 50 ea.	inset 50 ea.
For screwing on	-	9 094 270	9 094 280	9 094 290
For pressing in	ø 10 x 8	9 094 271	9 094 281	9 094 291
with expanding sockets	ø 10 x 8	9 094 276	9 094 286	9 094 296

Without Silent System, with self closing feature (Sensys 8646)

Cup assembly	Mounting hole ø x T mm	full overlay 50 ea.	half overlay 50 ea.	inset 50 ea.
For screwing on	-	9 094 360	9 094 370	9 094 380
For pressing in	ø 10 x 8	9 094 361	9 094 371	9 094 381
with expanding sockets	ø 10 x 8	9 094 366	9 094 376	9 094 386

Without Silent System, without self closing feature, for handleless applications (Sensys 8676)

Cup assembly	Mounting hole ø x T mm	full overlay 50 ea.	half overlay 50 ea.	inset 50 ea.
For screwing on	-	9 094 450	9 094 460	9 094 470
For pressing in	ø 10 x 8	9 094 451	9 094 461	9 094 471
with expanding sockets	ø 10 x 8	9 094 456	9 094 466	9 094 476

Fast assembly concealed hinge

- ▶ Sensys thin door hinge, door thickness from 10 mm
- ▶ Opening angle 110°, drilling pattern TH 52 x 5.5 mm



- ▶ Quality classification under EN 15570, Level 3
- ▶ For door thickness 10 - 19 mm
- ▶ Cup depth 7.8 mm
- ▶ Integrated overlay adjustment +2 mm / -2 mm
- ▶ Integrated depth adjustment +3 mm / -2 mm
- ▶ Height adjustment at mounting plate
- ▶ Steel in obsidian black

Drilling pattern	full overlay (Base B 12.5 mm)	half overlay (Base B 3 mm)	inset (Base B -4 mm)

With integrated Silent System, with self closing feature (Sensys 8646i)

Cup assembly	Mounting hole ø x T mm	full overlay 50 ea.	half overlay 50 ea.	inset 50 ea.
For screwing on	-	9 091 761	9 091 762	9 091 763
with expanding sockets	ø 10 x 8	9 091 793	9 091 794	9 091 795

Without Silent System, without self closing feature, for handleless applications (Sensys 8676)

Cup assembly	Mounting hole ø x T mm	full overlay 50 ea.	half overlay 50 ea.	inset 50 ea.
For screwing on	-	9 091 764	9 091 765	9 091 766
with expanding sockets	ø 10 x 8	9 091 796	9 091 797	9 091 798

Fast assembly concealed hinge

- Sensys thin door hinge, door thickness from 10 mm
- Opening angle 110°

Minimum reveal per door

Door thickness mm	Cup distance C mm									
	3.0	4.0	4.5	5.0	6.0	7.0				
10	0.1	0.1	0.1	0.1	0.1	0.1				
11	0.2	0.2	0.2	0.2	0.2	0.2				
12	0.4	0.4	0.4	0.4	0.4	0.4				
13	0.6	0.6	0.5	0.5	0.5	0.5				
14	0.8	0.8	0.7	0.7	0.7	0.7				
15	1.0	1.0	1.0	1.0	0.9	0.9				
16	1.3	1.3	1.3	1.2	1.2	1.2				
17	1.4	1.5	1.5	1.6	1.6	1.7				
18	1.8	1.8	1.9	1.9	2.0	2.0				
19	2.1	2.2	2.3	2.3	2.3	2.4				

Please note:

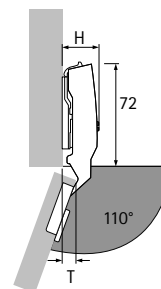
The table entries refer to doors with an edge radius of 1 mm.

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

Radius 0 mm:

Values shown in table + 0.3 mm

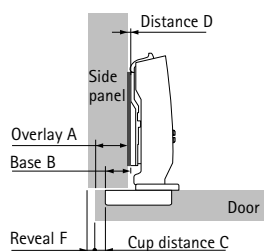
Protrusions / installed depth



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

Door mounting option	H mm	T mm
full overlay	25.0	8.5
half overlay	31.0	18.0
inset	38.0	25.0

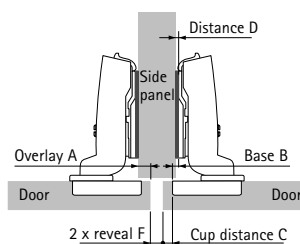
full overlay



Distance D = C + B - 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				
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				

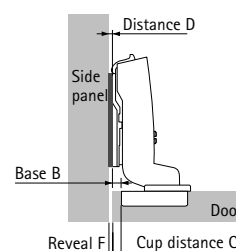
half overlay



Distance D = C + B - 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				
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



Distance D = C + B + F
= cup distance C - 4 mm + reveal F

Door thickness mm	Cup distance C mm									
	3.0	4.0	4.5	5.0	6.0	7.0				
Distance D mm										
10	0.1	0.6	1.1	2.1	3.1					
11	0.2	0.7	1.2	2.2	3.2					
12	0.4	0.9	1.4	2.4	3.3					
13	0.6	1.0	1.5	2.5	3.5					
14	0.8	1.2	1.7	2.7	3.7					
15	0.0	1.0	1.5	2.0	2.9	3.9				
16	0.3	1.3	1.8	2.2	3.2	4.2				
17	0.4	1.5	2.0	2.6	3.6	4.7				
18	0.8	1.8	2.4	2.9	4.0	5.0				
19	1.1	2.2	2.7	3.3	4.3	5.4				

Advice

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- Fitting information for thin materials

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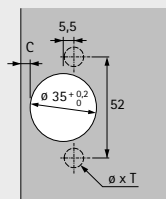
Fast assembly concealed hinge

- ▶ Sensys wide angle hinge, with zero protrusion
- ▶ Opening angle 165°, drilling pattern TH 52 x 5.5 mm



- ▶ Quality classification under EN 15570, Level 3
- ▶ For door thickness 15 - 32 mm
- ▶ Cup depth 11.6 mm
- ▶ Integrated overlay adjustment +2 mm / -2 mm
- ▶ Integrated depth adjustment +3 mm / -2 mm
- ▶ Height adjustment at mounting plate
- ▶ Steel / nickel plated die-cast zinc

Drilling pattern



full overlay
(Base B 12.5 mm)



half overlay
(Base B 3 mm)



With integrated Silent System, with self closing feature (Sensys 8657i)

Cup assembly	Mounting hole $\varnothing \times T$ mm	full overlay 50 ea.	half overlay 50 ea.
For screwing on	-	9 099 540	9 099 550
For pressing in	$\varnothing 10 \times 11$	9 099 541	9 099 551
Fix fast assembly	$\varnothing 10 \times 6$	9 099 543	9 099 553
with expanding sockets	$\varnothing 10 \times 11$	9 099 546	9 099 556

Without Silent System, with self closing feature (Sensys 8657)

Cup assembly	Mounting hole $\varnothing \times T$ mm	full overlay 50 ea.	half overlay 50 ea.
For screwing on	-	9 099 600	9 099 610
For pressing in	$\varnothing 10 \times 11$	9 099 601	9 099 611
Fix fast assembly	$\varnothing 10 \times 6$	9 099 603	9 099 613
with expanding sockets	$\varnothing 10 \times 11$	9 099 606	

Without Silent System, without self closing feature, for handleless applications (Sensys 8687)

Cup assembly	Mounting hole $\varnothing \times T$ mm	full overlay 50 ea.	half overlay 50 ea.
For screwing on	-	9 099 660	9 099 670
For pressing in	$\varnothing 10 \times 11$	9 099 661	
Fix fast assembly	$\varnothing 10 \times 6$	9 099 663	9 099 673
with expanding sockets	$\varnothing 10 \times 11$	9 099 666	

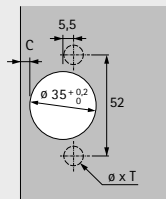
Fast assembly concealed hinge

- ▶ Sensys wide angle hinge, with zero protrusion
- ▶ Opening angle 165°, drilling pattern TH 52 x 5.5 mm



- ▶ Quality classification under EN 15570, Level 3
- ▶ For door thickness 15 - 32 mm
- ▶ Cup depth 11.6 mm
- ▶ Integrated overlay adjustment +2 mm / -2 mm
- ▶ Integrated depth adjustment +3 mm / -2 mm
- ▶ Height adjustment at mounting plate
- ▶ Steel / die-cast zinc in obsidian black

Drilling pattern



full overlay
(Base B 12.5 mm)



half overlay
(Base B 3 mm)



With integrated Silent System, with self closing feature (Sensys 8657i)

Cup assembly	Mounting hole ø x T mm	full overlay 50 ea.	half overlay 50 ea.
For screwing on	-	9 091 767	9 091 768
with expanding sockets	ø 10 x 11	9 091 789	9 091 790

Without Silent System, without self closing feature, for handleless applications (Sensys 8687)

Cup assembly	Mounting hole ø x T mm	full overlay 50 ea.	half overlay 50 ea.
For screwing on	-	9 091 769	9 091 770
with expanding sockets	ø 10 x 11	9 091 791	9 091 792

Fast assembly concealed hinge

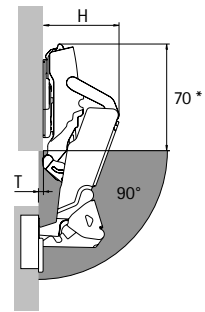
- Sensys wide angle hinge, with zero protrusion
- Opening angle 165°

Minimum reveal per door

Door thickness mm	Cup distance C mm								
	3.0	4.0	4.5	5.0	6.0	7.0			
15	0.0	0.0	0.0	0.0	0.0	0.0			
16	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	0.0			
19	0.0	0.0	0.0	0.0	0.0	0.0			
20	0.0	0.0	0.0	0.0	0.0	0.0			
21	0.0	0.0	0.0	0.0	0.0	0.0			
22	0.0	0.0	0.0	0.0	0.0	0.0			
23	0.0	0.0	0.0	0.0	0.0	0.0			
24	0.0	0.0	0.0	0.0	0.0	0.0			
25	0.0	0.0	0.0	0.0	0.0	0.0			
26	0.1	0.1	0.1	0.1	0.1	0.1			
27	0.1	0.1	0.1	0.1	0.1	0.1			
28	0.2	0.2	0.2	0.2	0.2	0.3			
29*	0.4	0.4	0.4	0.4	0.5	0.6			
30**	0.7	0.7	0.8	0.8	1.0	1.1			
31**	1.1	1.2	1.3	1.4	1.6				
32**	1.7	1.9	2.0	2.2					

*when using opening angle limiter at 120°
 ** when using opening angle limiter at 105°

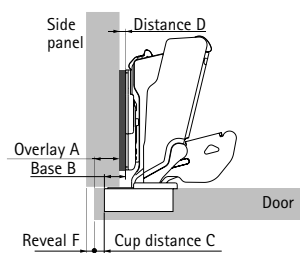
Protrusions / installed depth



No door protrusion T up to distance D = 3, unobstructed interior for pull-outs.
 *Hinge closed: 80 mm

Door mounting option	H mm (max. at 30°)	T mm (90°, D0)
full overlay	66	-3
half overlay	75.5	6.5

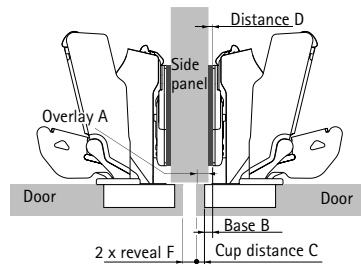
full overlay



Distance D = C + B - 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			
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



Distance D = C + B - 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			
Distance D mm									
- 2	8.0	9.0	9.5	10.0	11.0	12.0			
- 1	7.0	8.0	8.5	9.0	10.0	11.0			
0	6.0	7.0	7.5	8.0	9.0	10.0			
1	5.0	6.0	6.5	7.0	8.0	9.0			
2	4.0	5.0	5.5	6.0	7.0	8.0			
3	3.0	4.0	4.5	5.0	6.0	7.0			
4	2.0	3.0	3.5	4.0	5.0	6.0			
5	1.0	2.0	2.5	3.0	4.0	5.0			
6	0.0	1.0	1.5	2.0	3.0	4.0			
7		0.0	0.5	1.0	2.0	3.0			
8				0.0	1.0	2.0			
9					0.0	1.0			
10						0.0			

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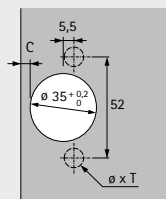
Fast assembly concealed hinge

- ▶ Sensys angle hinge W30
- ▶ Opening angle 95°, drilling pattern TH 52 x 5.5 mm



- ▶ Quality classification under EN 15570, Level 3
- ▶ For door thickness 15 - 28 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
- ▶ Steel / nickel plated die-cast zinc

Drilling pattern



overlay
(Base B 2 mm)



inset
(Base B -16 mm)



With integrated Silent System, with self closing feature (Sensys 8639i W30)

Cup assembly	Mounting hole $\varnothing \times T$ mm	overlay 50 ea.	inset 50 ea.
For screwing on	-	9 088 016	9 088 017
For pressing in	$\varnothing 10 \times 11$	9 088 034	
Fix fast assembly	$\varnothing 10 \times 6$	9 088 070	
with expanding sockets	$\varnothing 10 \times 11$	9 088 082	

Without Silent System, with self closing feature (Sensys 8639 W30)

Cup assembly	Mounting hole $\varnothing \times T$ mm	overlay 50 ea.	inset 50 ea.
For screwing on	-	9 088 100	9 088 101
Fix fast assembly	$\varnothing 10 \times 6$	9 088 136	

Without Silent System, without self closing feature, for handleless applications (Sensys 8669 W30)

Cup assembly	Mounting hole $\varnothing \times T$ mm	overlay 50 ea.	inset 50 ea.
For screwing on	-	9 088 176	9 088 177
Fix fast assembly	$\varnothing 10 \times 6$	9 088 212	

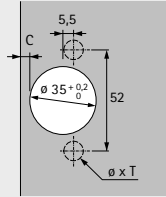
Fast assembly concealed hinge

- ▶ Sensys angle hinge W30
- ▶ Opening angle 95°, drilling pattern TH 52 x 5.5 mm



- ▶ Quality classification under EN 15570, Level 3
- ▶ For door thickness 15 - 28 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
- ▶ Steel in obsidian black

Drilling pattern



overlay
(Base B 2 mm)



With integrated Silent System, with self closing feature (Sensys 8639i W30)

Cup assembly	Mounting hole ø x T mm	overlay 50 ea.
For screwing on	-	9 091 745
with expanding sockets	ø 10 x 11	9 091 777

Without Silent System, without self closing feature, for handleless applications (Sensys 8669 W30)

Cup assembly	Mounting hole ø x T mm	overlay 50 ea.
For screwing on	-	9 091 749
with expanding sockets	ø 10 x 11	9 091 781

Fast assembly concealed hinge

- Sensys angle hinge W30
- 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 table entries 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:

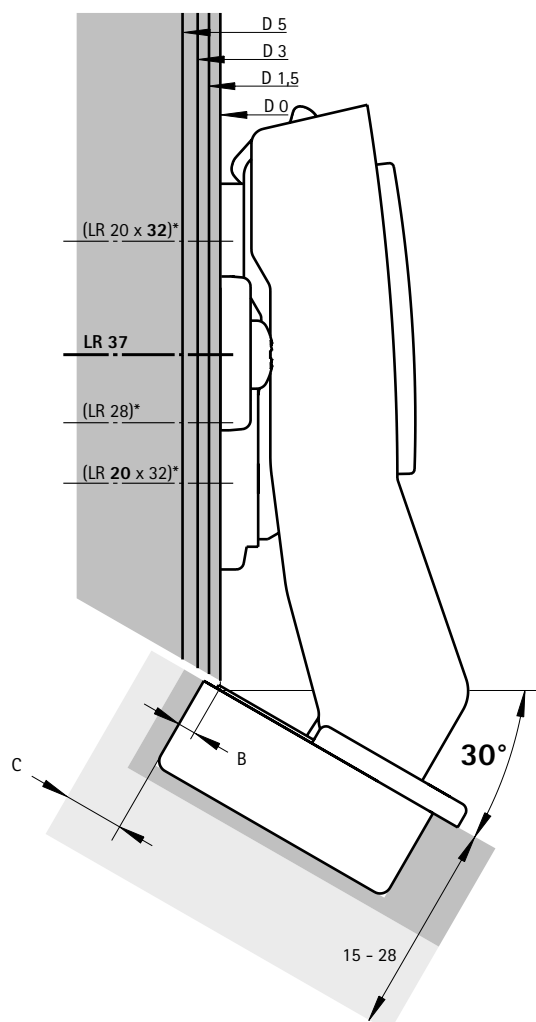
Values shown in table - 0.6 mm

Note

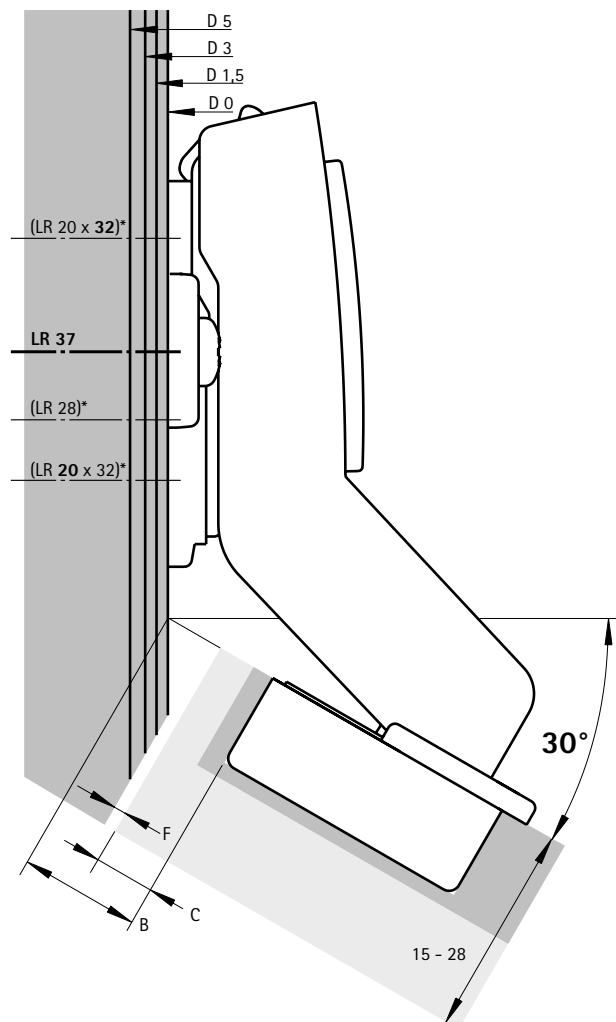
The drawings below show the hinges including mounting plate distances on a scale of 1:1. Allowing for cup distance C (3 - 8 mm) as well as the minimum reveal, the required mounting plate distance and hole line can be determined by drawing in the door and side panel.

You will find further information on configuring in the hinge configurator in the online catalogue or on our Hettich channel on YouTube.

overlay (B 2 mm) - Scale 1:1



inset (B -16 mm) - Scale 1:1



Advice

- Mounting plates 74 - 83
- Accessories 84 - 91
- Technical information 49 - 52



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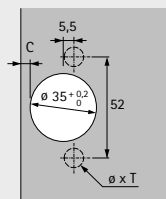
Fast assembly concealed hinge

- ▶ Sensys angle hinge W45
- ▶ Opening angle 95°, drilling pattern TH 52 x 5.5 mm



- ▶ Quality classification under EN 15570, Level 3
- ▶ For door thickness 15 - 28 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
- ▶ Steel / nickel plated die-cast zinc

Drilling pattern



overlay
(Base B 9 mm)



inset
(Base B -2 mm)



(Base B -25 mm)



With integrated Silent System, with self closing feature (Sensys 8639i W45)

Cup assembly	Mounting hole $\varnothing \times T$ mm	overlay		inset
		Base B 9 mm 50 ea.	Base B -2 mm 50 ea.	Base B -25 mm 50 ea.
For screwing on	-	9 088 018	9 088 019	9 088 020
For pressing in	$\varnothing 10 \times 11$	9 088 036	9 088 037	
Fix fast assembly	$\varnothing 10 \times 6$	9 088 072	9 088 073	
with expanding sockets	$\varnothing 10 \times 11$	9 088 084	9 088 085	

Without Silent System, with self closing feature (Sensys 8639 W45)

Cup assembly	Mounting hole $\varnothing \times T$ mm	overlay		inset
		Base B 9 mm 50 ea.	Base B -2 mm 50 ea.	Base B -25 mm 50 ea.
For screwing on	-	9 088 102	9 088 103	9 088 104
Fix fast assembly	$\varnothing 10 \times 6$	9 088 138	9 088 139	

Without Silent System, without self closing feature, for handleless applications (Sensys 8669 W45)

Cup assembly	Mounting hole $\varnothing \times T$ mm	overlay		inset
		Base B 9 mm 50 ea.	Base B -2 mm 50 ea.	Base B -25 mm 50 ea.
For screwing on	-	9 088 178	9 088 179	9 088 180
Fix fast assembly	$\varnothing 10 \times 6$	9 088 214	9 088 215	

Fast assembly concealed hinge

- ▶ Sensys angle hinge W45
- ▶ Opening angle 95°, drilling pattern TH 52 x 5.5 mm



- ▶ Quality classification under EN 15570, Level 3
- ▶ For door thickness 15 - 28 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
- ▶ Steel in obsidian black



With integrated Silent System, with self closing feature (Sensys 8639i W45)

Cup assembly	Mounting hole ø x T mm	overlay	
		Base B 9 mm	Base B -2 mm
		50 ea.	50 ea.
For screwing on	-	9 091 746	9 091 747
with expanding sockets	ø 10 x 11	9 091 778	9 091 779

Without Silent System, without self closing feature, for handleless applications (Sensys 8669 W45)

Cup assembly	Mounting hole ø x T mm	overlay	
		Base B 9 mm	Base B -2 mm
		50 ea.	50 ea.
For screwing on	-	9 091 750	9 091 751
with expanding sockets	ø 10 x 11	9 091 782	9 091 783

Fast assembly concealed hinge

- Sensys angle hinge W45
- 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 table entries 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:

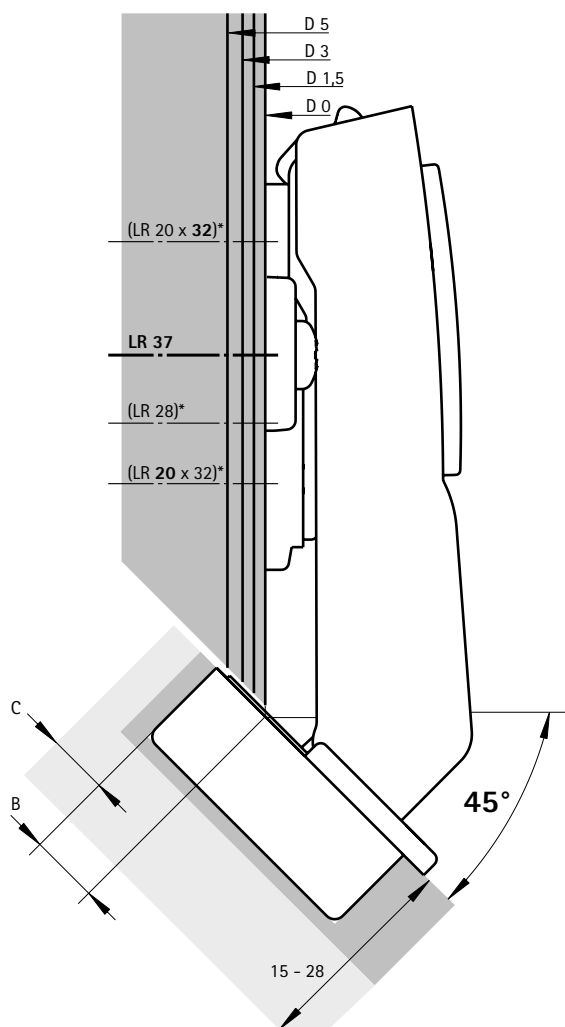
Values shown in table - 0.6 mm

Note

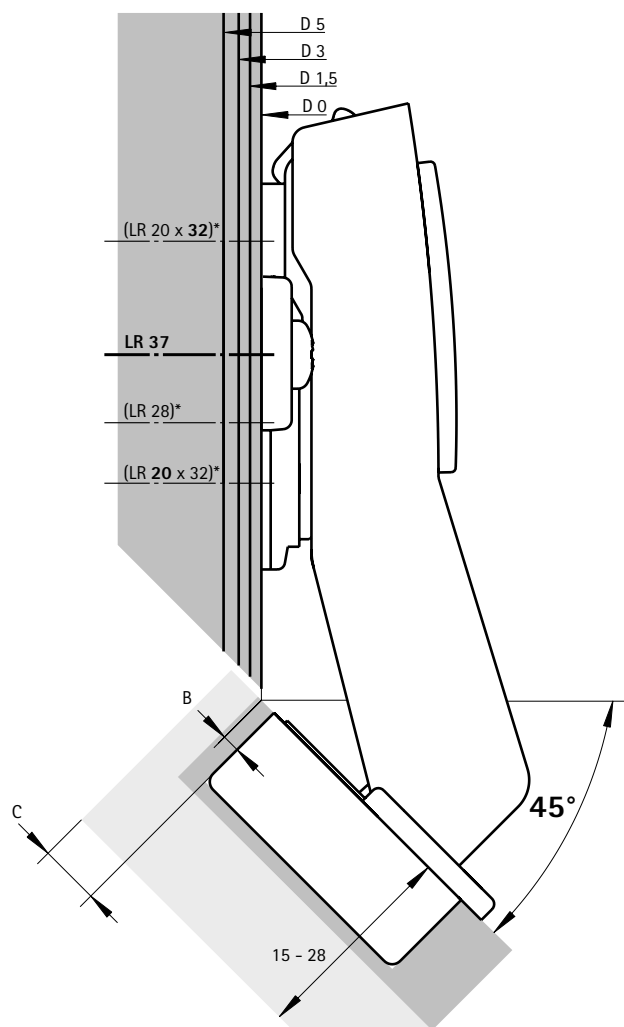
The drawings below show the hinges including mounting plate distances on a scale of 1:1. Allowing for cup distance C (3 - 8 mm) as well as the minimum reveal, the required mounting plate distance and hole line can be determined by drawing in the door and side panel.

You will find further information on configuring in the hinge configurator in the online catalogue or on our Hettich channel on YouTube.

overlay (B 9 mm) - Scale 1:1



overlay (B -2 mm) - Scale 1:1



Fast assembly concealed hinge

- Sensys angle hinge W45
- 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 table entries 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:

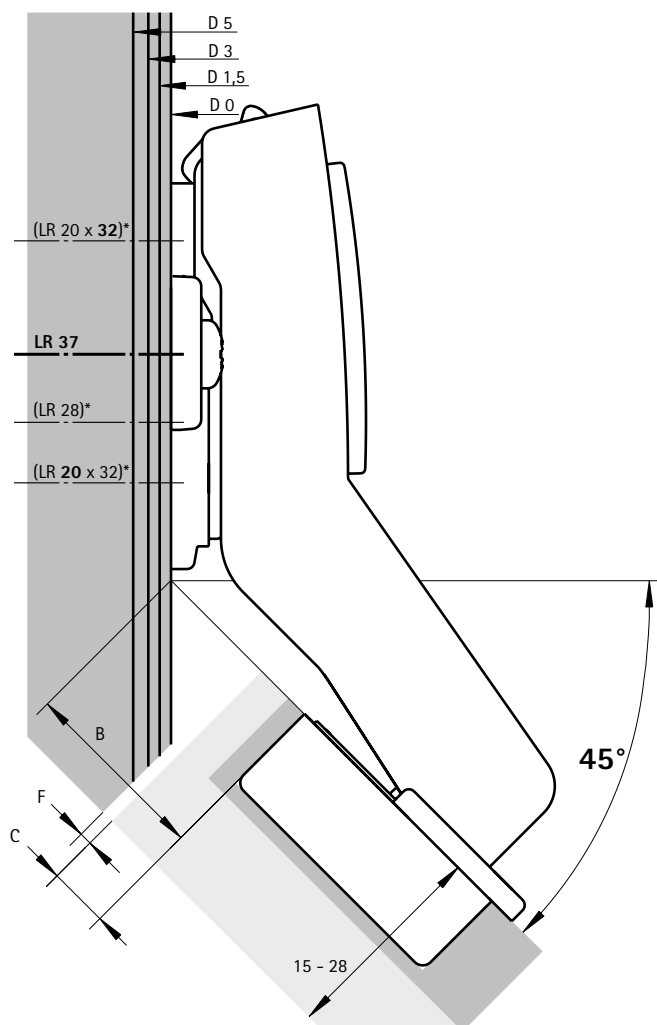
Values shown in table - 0.6 mm

Note

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

You will find further information on configuring in the hinge configurator in the online catalogue or on our Hettich channel on YouTube.

inset (B -25 mm) - Scale 1:1



Advice

- | | |
|-------------------------|---------|
| ► Mounting plates | 74 - 83 |
| ► Accessories | 84 - 91 |
| ► Technical information | 49 - 52 |



hettich.com/short/44e397

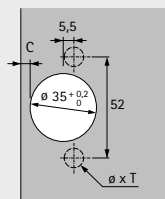
Fast assembly concealed hinge

- ▶ Sensys angle hinge W90
- ▶ Opening angle 95°, drilling pattern TH 52 x 5.5 mm



- ▶ Quality classification under EN 15570, Level 3
- ▶ For door thickness 15 - 28 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
- ▶ Steel nickel plated

Drilling pattern



inset
(Base B 4 mm)



With integrated Silent System, with self closing feature (Sensys 8639i W90)

Cup assembly	Mounting hole ø x T mm	inset 50 ea.
For screwing on	-	9 088 021
For pressing in	ø 10 x 11	9 088 039
Fix fast assembly	ø 10 x 6	9 088 075
with expanding sockets	ø 10 x 11	9 088 087

Without Silent System, with self closing feature (Sensys 8639 W90)

Cup assembly	Mounting hole ø x T mm	inset 50 ea.
For screwing on	-	9 088 105
For pressing in	ø 10 x 11	9 088 123
Fix fast assembly	ø 10 x 6	9 088 141
with expanding sockets	ø 10 x 11	9 088 159

Without Silent System, without self closing feature, for handleless applications (Sensys 8669 W90)

Cup assembly	Mounting hole ø x T mm	inset 50 ea.
For screwing on	-	9 088 181
For pressing in	ø 10 x 11	9 088 199
Fix fast assembly	ø 10 x 6	9 088 217
with expanding sockets	ø 10 x 11	9 088 229

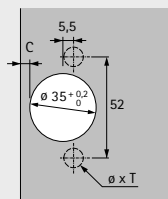
Fast assembly concealed hinge

- ▶ Sensys angle hinge W90
- ▶ Opening angle 95°, drilling pattern TH 52 x 5.5 mm



- ▶ Quality classification under EN 15570, Level 3
- ▶ For door thickness 15 - 28 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
- ▶ Steel in obsidian black

Drilling pattern



inset
(Base B 4 mm)



With integrated Silent System, with self closing feature (Sensys 8639i W90)

Cup assembly	Mounting hole ø x T mm	inset 50 ea.
For screwing on	-	9 091 748
with expanding sockets	ø 10 x 11	9 091 780

Without Silent System, without self closing feature, for handleless applications (Sensys 8669 W90)

Cup assembly	Mounting hole ø x T mm	inset 50 ea.
For screwing on	-	9 091 752
with expanding sockets	ø 10 x 11	9 091 784

Fast assembly concealed hinge

- Sensys angle hinge W90
- 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				
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 table entries 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. Allowing for cup distance C (3 - 7 mm) as well as the minimum reveal, the required mounting plate distance and hole line can be determined by drawing in the door and side panel.

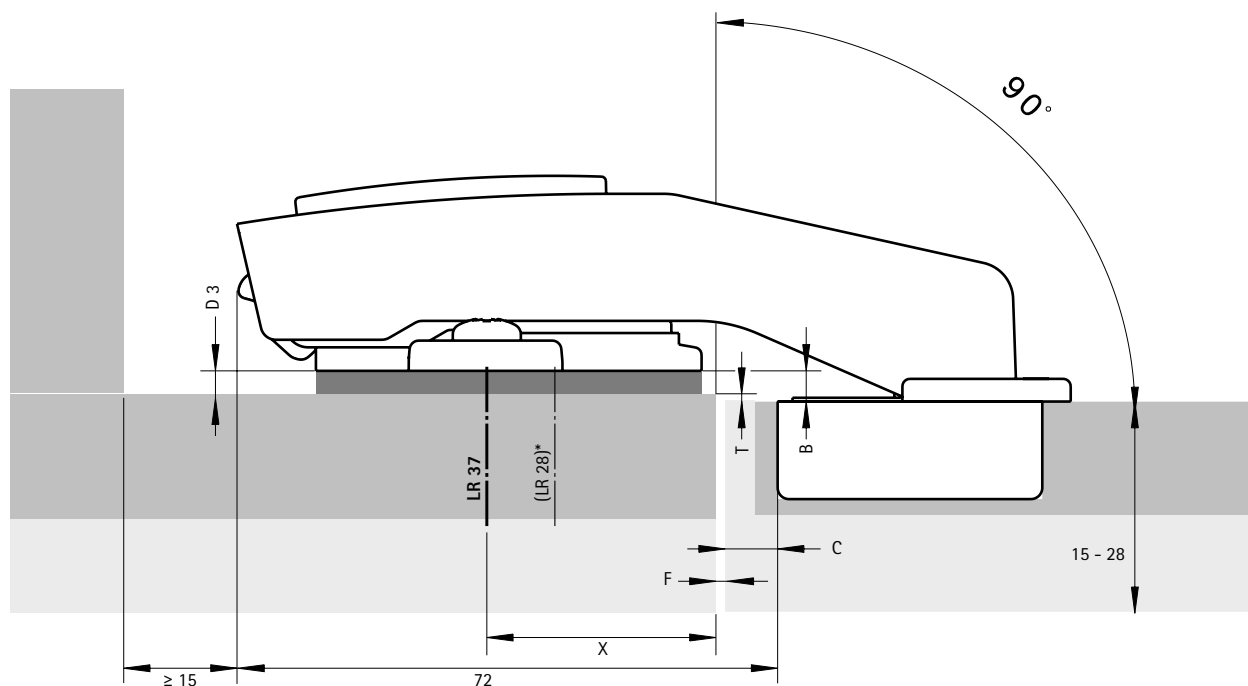
You will find further information on configuring in the hinge configurator in the online catalogue or on our Hettich channel on YouTube.

Determining hole line distance X mm when using mounting plate for hole line 37

Reveal 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
1.5	34.0	33.5	33.0	32.5	32.0	31.5	31.0	30.0
2.5	33.0	32.5	32.0	31.5	31.0	30.5	30.0	29.0
3.5	32.0	31.5	31.0	30.5	30.0	29.5	29.0	28.0
4.5	31.0	30.5	30.0	29.5	29.0	28.5	28.0	27.0
5.5	30.0	29.5	29.0	28.5	28.0	27.5	27.0	26.0
6.5	29.0	28.5	28.0	27.5	27.0	26.5	26.0	25.0
7.5	28.0	27.5	27.0	26.5	26.0	25.5	25.0	24.0

inset (B 4 mm) - Scale 1:1

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



Advice

- Mounting plates 74 - 83
- Accessories 84 - 91
- Technical information 49 - 52



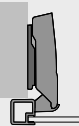
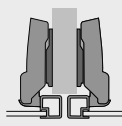
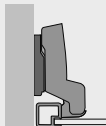
hettich.com/short/260da9

Fast assembly concealed hinge

- ▶ Sensys aluminium frame hinge
- ▶ Opening angle 95°



- ▶ Quality classification under EN 15570, Level 3
- ▶ For 19 mm wide aluminium profiles
- ▶ Integrated overlay adjustment +2 mm / -2 mm
- ▶ Integrated depth adjustment +3 mm / -2 mm
- ▶ Height adjustment at mounting plate
- ▶ Steel nickel plated
- ▶ Including 2 fixing screws

	full overlay (Base B 12.5 mm)	half overlay (Base B 3 mm)	inset (Base B -4 mm)
			

With integrated Silent System, with self closing feature (Sensys 8638i)

Cup assembly	Mounting hole ø x T mm	full overlay	half overlay	inset
		50 ea.	50 ea.	50 ea.
For screwing on	-	9 072 524	9 072 525	9 072 526

Without Silent System, with self closing feature (Sensys 8638)

Cup assembly	Mounting hole ø x T mm	full overlay	half overlay	inset
		50 ea.	50 ea.	50 ea.
For screwing on	-	9 072 527	9 072 528	9 072 529

Without Silent System, without self closing feature, for handleless applications (Sensys 8668)

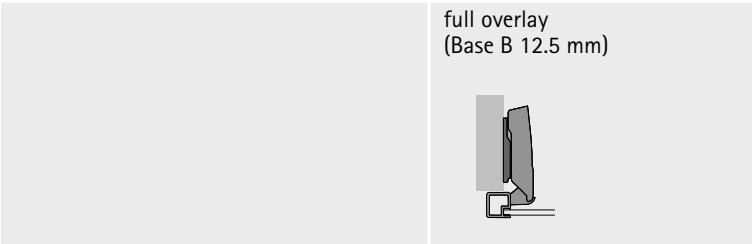
Cup assembly	Mounting hole ø x T mm	full overlay	half overlay	inset
		50 ea.	50 ea.	50 ea.
For screwing on	-	9 072 530	9 072 531	9 072 532

Fast assembly concealed hinge

- ▶ Sensys aluminium frame hinge
- ▶ Opening angle 95°



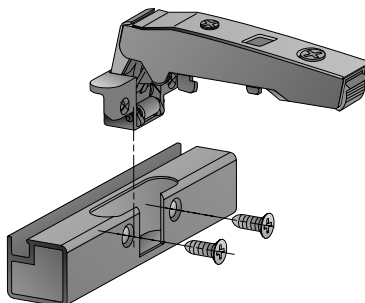
- ▶ Quality classification under EN 15570, Level 3
- ▶ For 19 mm wide aluminium profiles
- ▶ Integrated overlay adjustment +2 mm / -2 mm
- ▶ Integrated depth adjustment +3 mm / -2 mm
- ▶ Height adjustment at mounting plate
- ▶ Steel in obsidian black
- ▶ Including 2 fixing screws



With integrated Silent System, with self closing feature (Sensys 8638i)

Cup assembly	Mounting hole ø x T mm	full overlay	
		50 ea.	200 ea.
For screwing on	-	9 091 744	9 091 991

- ▶ Sensys aluminium frame hinge
- ▶ 95° opening angle



Technical drawing of a 95° V-block. The drawing shows a cross-section of the block with a 95° angle. Dimensions are indicated: H is the height of the block, 72 is the height of the block, and T is the thickness of the block.

Door mounting option	H mm	T mm
full overlay	25.0	8.0
half overlay	31.0	17.5
inset	38.0	24.5

Distance D

Side panel

Overlay A

Reveal F ($F \geq 1,6 \text{ mm}$)

Door

[illegible]

Technical drawing of a door assembly. The drawing shows a cross-section of a door with a side panel and two doors. The side panel is labeled "Side panel". The distance between the side panel and the door is labeled "Distance D". The overlay of the door is labeled "Overlay A". The door is labeled "Door". The distance between the two doors is labeled "2 x reveal F (F ≥ 1,6 mm)".

[illegible]

Technical drawing of a door profile. The drawing shows a cross-section of the door with a side panel on the left. Dimension D is indicated as the distance from the side panel to the main door body. Dimension F is indicated as the reveal (gap) between the door and the side panel, with the note $F \geq 1,6 \text{ mm}$.

[illegible]

- ▶ Mounting plates
- ▶ Accessories
- ▶ Technical information

$$\begin{array}{r} 74 - 83 \\ 84 - 91 \\ 49 - 52 \end{array}$$

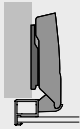
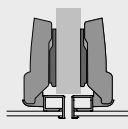
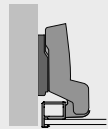

hettich.com/short/5e30fd

Fast assembly concealed hinge

- ▶ Sensys aluminium frame hinge, door thickness up to 32 mm
- ▶ Opening angle 95°



- ▶ Quality classification under EN 15570, Level 2
- ▶ For aluminium profiles up to 23.5 mm wide
- ▶ For doors up to 32 mm thick
- ▶ Integrated overlay adjustment +2 mm / -2 mm
- ▶ Integrated depth adjustment +3 mm / -2 mm
- ▶ Height adjustment at mounting plate
- ▶ Steel/nickel plated die-cast zinc
- ▶ Including 2 fixing screws

	full overlay (Base B 12.5 mm)	half overlay (Base B 3 mm)	inset (Base B -4 mm)
			

With integrated Silent System, with self closing feature (Sensys 8631i Aluminium)

		full overlay	half overlay	inset
Cup assembly	Fixing drilling $\varnothing \times T$ mm	200 ea.	200 ea.	200 ea.
for screwing on	-	9 091 215	9 091 216	9 091 217

Without Silent System, with self closing feature (Sensys 8631 Aluminium)

		full overlay	half overlay	inset
Cup assembly	Fixing drilling $\varnothing \times T$ mm	200 ea.	200 ea.	200 ea.
for screwing on	-	9 091 218	9 091 219	9 091 220

Without Silent System, without self closing feature, for handleless applications (Sensys 8661 Aluminium)

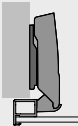
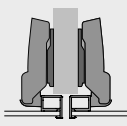
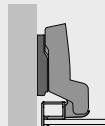
		full overlay	half overlay	inset
Cup assembly	Fixing drilling $\varnothing \times T$ mm	200 ea.	200 ea.	200 ea.
for screwing on	-	9 091 221	9 091 222	9 091 223

Fast assembly concealed hinge

- ▶ Sensys aluminium frame hinge, door thickness up to 32 mm
- ▶ Opening angle 95°



- ▶ Quality classification under EN 15570, Level 2
- ▶ For aluminium profiles up to 23.5 mm wide
- ▶ For doors up to 32 mm thick
- ▶ Integrated overlay adjustment +2 mm / -2 mm
- ▶ Integrated depth adjustment +3 mm / -2 mm
- ▶ Height adjustment at mounting plate
- ▶ Steel / die-cast zinc in obsidian black
- ▶ Including 2 fixing screws

	full overlay (Base B 12.5 mm)	half overlay (Base B 3 mm)	inset (Base B -4 mm)
			

With integrated Silent System, with self closing feature (Sensys 8631i Aluminium)

		full overlay	half overlay	inset
Cup assembly	Fixing drilling ø x T mm	200 ea.	200 ea.	200 ea.
for screwing on	-	9 091 224	9 091 225	9 091 226

Without Silent System, without self closing feature, for handleless applications (Sensys 8661 Aluminium)

		full overlay	half overlay	inset
Cup assembly	Fixing drilling ø x T mm	200 ea.	200 ea.	200 ea.
for screwing on	-	9 091 230	9 091 231	9 091 232

Fast assembly concealed hinge

► Sensys aluminium frame hinge, door thickness up to 32 mm

Minimum reveal per door

Door thickness mm	Profile width mm								
	17	18	19	20	21	22	23		
19	0.3	0.3	0.3	0.3	0.3	0.3	0.3		
20	0.5	0.5	0.4	0.4	0.4	0.4	0.4		
21	0.6	0.6	0.6	0.6	0.6	0.5	0.5		
22	0.7	0.7	0.7	0.7	0.7	0.7	0.7		
23	0.9	0.9	0.9	0.9	0.9	0.8	0.8		
24	1.1	1.1	1.1	1.1	1.0	1.0	1.0		
25	1.3	1.3	1.3	1.3	1.2	1.2	1.2		
26	1.6	1.5	1.5	1.5	1.4	1.4	1.4		
27	2.0	1.8	1.7	1.7	1.7	1.7	1.6		
28	3.0	2.3	2.0	2.0	1.9	1.9	1.9		
29	3.9	3.3	2.7	2.3	2.2	2.2	2.1		
30	4.9	4.2	3.6	3.0	2.5	2.5	2.4		
31	5.9	5.2	4.5	3.9	3.4	2.9	2.8		
32	6.8	6.1	5.4	4.8	4.3	3.7	3.3		

Note:

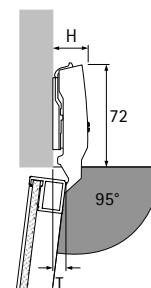
The values in the table refer to doors with an edge radius of 1 mm.

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

Radius 0 mm:

Values in table + 0.4 mm

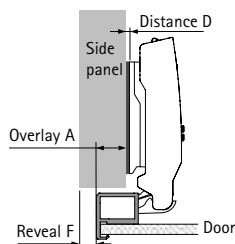
Protrusions / installed depth



Hinge protrusion H / door protrusion T for distance D = 0 mm and profile width = 20 mm

Door mounting option	H mm	T mm
full overlay	24.0	12.7
half overlay	28.3	22.2
inset	35.3	29.2

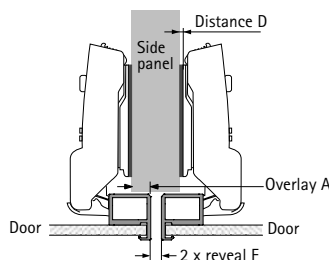
full overlay



Distance D =
= Profile width - 3 mm - overlay A

Overlay mm	Profile width mm								
	17	18	19	20	21	22	23		
Distance D mm									
10	4.0	5.0	6.0	7.0	8.0	9.0	10.0		
11	3.0	4.0	5.0	6.0	7.0	8.0	9.0		
12	2.0	3.0	4.0	5.0	6.0	7.0	8.0		
13	1.0	2.0	3.0	4.0	5.0	6.0	7.0		
14	0.0	1.0	2.0	3.0	4.0	5.0	6.0		
15		0.0	1.0	2.0	3.0	4.0	5.0		
16			0.0	1.0	2.0	3.0	4.0		
17				0.0	1.0	2.0	3.0		
18					0.0	1.0	2.0		
19						0.0	1.0		
20							0.0		

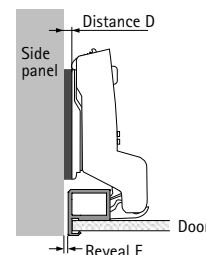
half overlay



Distance D =
= Profile width - 12.5 mm - overlay A

Overlay mm	Profile width mm								
	17	18	19	20	21	22	23		
Distance D mm									
0.5	4.0	5.0	6.0	7.0	8.0	9.0	10.0		
1.5	3.0	4.0	5.0	6.0	7.0	8.0	9.0		
2.5	2.0	3.0	4.0	5.0	6.0	7.0	8.0		
3.5	1.0	2.0	3.0	4.0	5.0	6.0	7.0		
4.5	0.0	1.0	2.0	3.0	4.0	5.0	6.0		
5.5		0.0	1.0	2.0	3.0	4.0	5.0		
6.5			0.0	1.0	2.0	3.0	4.0		
7.5				0.0	1.0	2.0	3.0		
8.5					0.0	1.0	2.0		
9.5						0.0	1.0		
10.5							0.0		

inset



Distance D =
= Profile width - 19.5 mm + reveal F

Door thickness mm	Profile width mm								
	17	18	19	20	21	22	23		
Distance D mm									
19				0.8	1.8	2.8	3.8		
20					0.9	1.9	2.9		
21			0.1	1.1	2.1	3.0	4.0		
22			0.2	1.2	2.2	3.2	4.2		
23			0.4	1.4	2.4	3.3	4.3		
24			0.6	1.6	2.5	3.5	4.5		
25			0.8	1.8	2.7	3.7	4.7		
26		0.0	1.0	2.0	2.9	3.9	4.9		
27		0.3	1.2	2.2	3.2	4.2	5.1		
28	0.5	0.8	1.5	2.5	3.4	4.4	5.4		
29	1.4	1.8	2.2	2.8	3.7	4.7	5.6		
30	2.4	2.7	3.1	3.5	4.0	5.0	5.9		
31	3.4	3.7	4.0	4.4	4.9	5.4	6.3		
32	4.3	4.6	4.9	5.3	5.8	6.2	6.8		

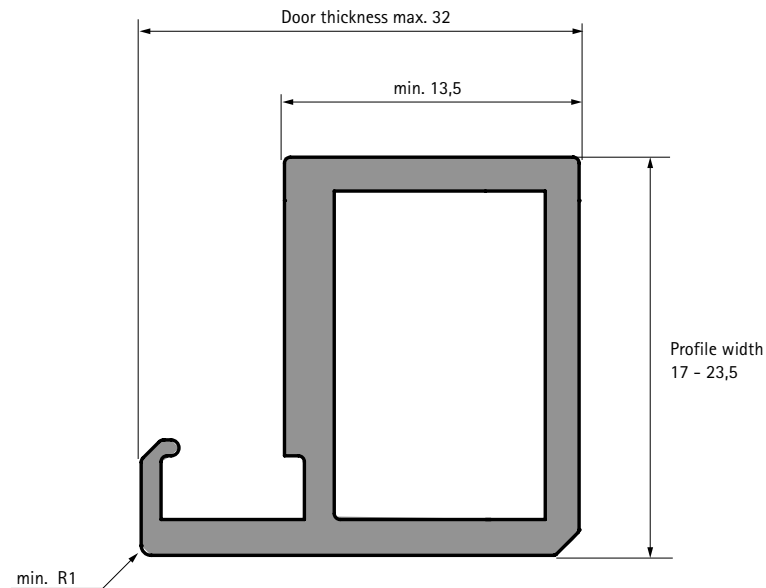
Advice

- Mounting plates 74 - 83
- Accessories 84 - 91
- Technical information 49 - 52

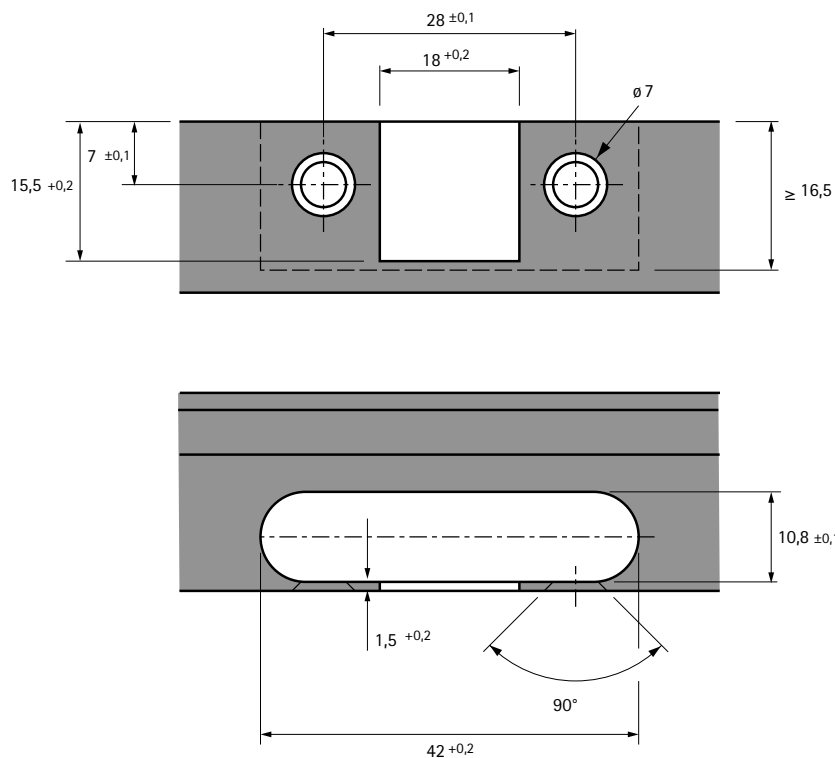
Fast assembly concealed hinge

► Sensys aluminium frame hinge, door thickness up to 32 mm

Profile geometry



Routing pattern



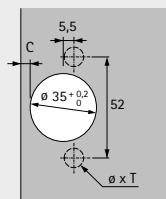
Fast assembly concealed hinge

- ▶ Hinge for corner cabinet folding doors
- ▶ Opening angle 50° / 65°, drilling pattern TH 52 x 5.5 mm

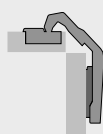


- ▶ Quality classification under EN 15570, Level 2
- ▶ For door thickness 15 - 21 mm
- ▶ Cup depth 12.8 mm
- ▶ Diagonal adjustment +9.5 mm / -9.5 mm
- ▶ Integrated overlay adjustment, see diagram
- ▶ For integrated depth adjustment, see diagram
- ▶ Height adjustment at mounting plate
- ▶ Steel / nickel plated die-cast zinc

Drilling pattern



overlay
(Base B 24 mm)



Without self closing feature (Intermat 9930)

Cup assembly	Mounting hole ø x T mm	overlay 50 ea.
For screwing on	-	9 090 109
For pressing in	ø 10 x 11	9 090 110
Fix fast assembly	ø 10 x 6	9 090 113
with expanding sockets	ø 10 x 11	9 090 107

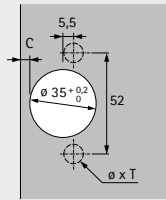
Fast assembly concealed hinge

- ▶ Hinge for corner cabinet folding doors
- ▶ Opening angle 50° / 65°, drilling pattern TH 52 x 5.5 mm

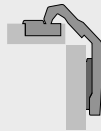


- ▶ Quality classification under EN 15570, Level 2
- ▶ For door thickness 15 - 21 mm
- ▶ Cup depth 12.8 mm
- ▶ Diagonal adjustment +9.5 mm / -9.5 mm
- ▶ Integrated overlay adjustment, see diagram
- ▶ For integrated depth adjustment, see diagram
- ▶ Height adjustment at mounting plate
- ▶ Steel / die-cast zinc in obsidian black

Drilling pattern



overlay
(Base B 24 mm)



Without self closing feature (Intermat 9930)

Cup assembly	Mounting hole ø x T mm	overlay 50 ea.
For screwing on	-	9 116 394
with expanding sockets	ø 10 x 11	9 116 398

Fast assembly concealed hinge

- ▶ Hinge for corner cabinet folding doors
- ▶ Opening angle 50° / 65°

Version A - Cup drill holes in one door

- ▶ All cup drillings in one door
- ▶ Minimum reveal between door elements possible
- ▶ No cutaway in cup drillings necessary
- ▶ Same door width for both elements
- ▶ Diagonal adjustment capability for easy adjustment to door thickness
- ▶ Same cup distance on both sides of cabinet body mounted door
- ▶ Hole line distance of 37 mm in the folding door panel
- ▶ For door thickness 15 - 21 mm
- ▶ Cup distance C 3 - 6 mm

Version A - Calculation of door width

Door width = cabinet body 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.

Version B - Cup drill holes in both doors

- ▶ Both door elements are the same
- ▶ No cutaway in cup drillings necessary
- ▶ Diagonal adjustment capability for easy adjustment to door thickness
- ▶ Hole line distance of 41 mm in the cabinet body mounted door
- ▶ For door thickness 15 - 21 mm
- ▶ Cup distance C 3 - 6 mm

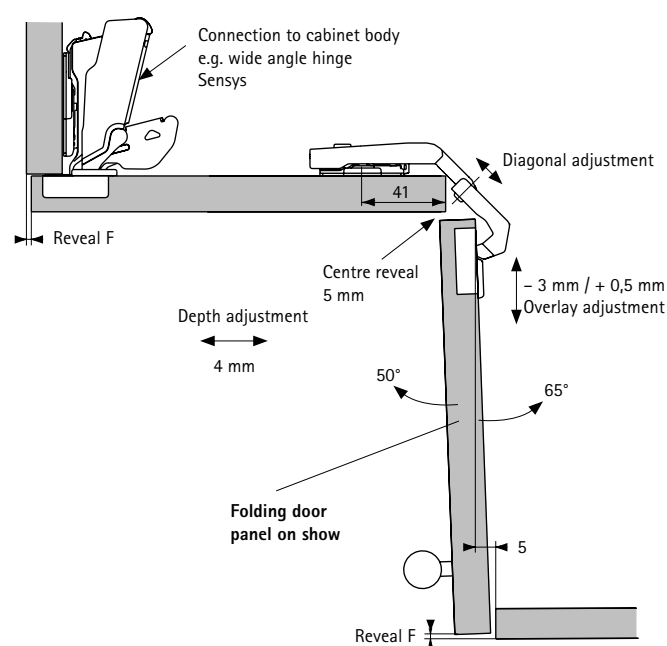
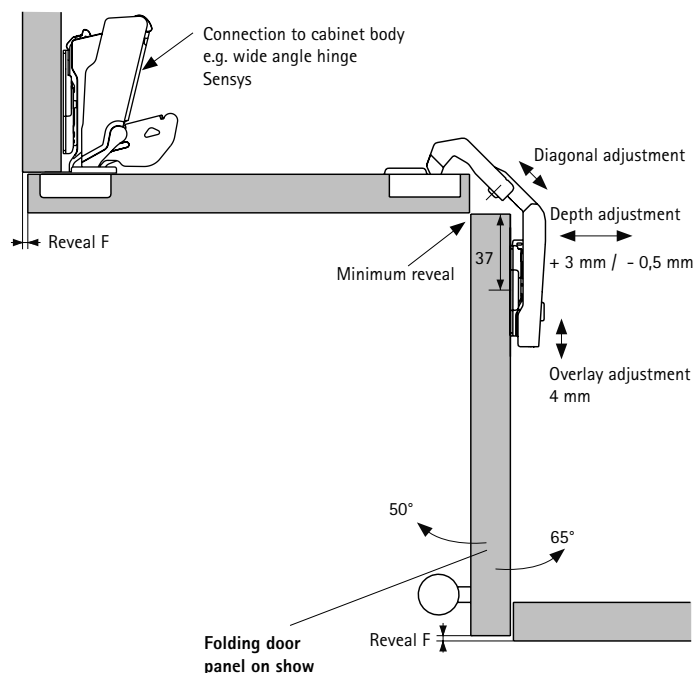
Version B - Calculation of door width

Door width = cabinet body 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.



Advice

- | | |
|-------------------------|---------|
| ▶ Mounting plates | 74 - 83 |
| ▶ Accessories | 84 - 91 |
| ▶ Technical information | 49 - 52 |

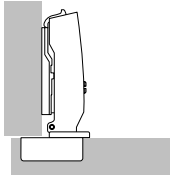


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Technical information

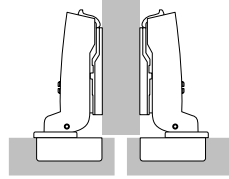
- Sensys
- Fitting information

Full overlay door



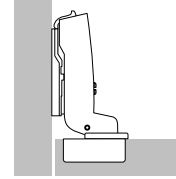
The door is in front of the cabinet side and only a small gap remains at the side within which the door can open reliably. Alternatively, the door can also be fully overlaid. In this case sufficient space must be allowed at the side for the required minimum reveal. Straight hinges are used.

Half overlay door



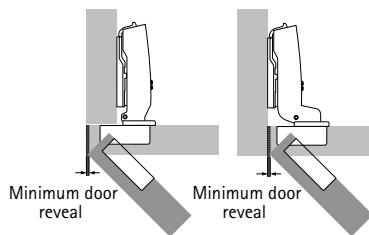
This is where two doors are positioned in front of a cabinet centre panel, with the required overall reveal between them (at least 2 x minimum reveal). In other words, each door has a smaller overlay and cranked hinges are therefore used.

Inset door



The door is positioned inside the cabinet body, i.e. next to the cabinet body 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 mounting plate must be set back by the thickness of the door + 1 mm as well as by any any chosen door offset.

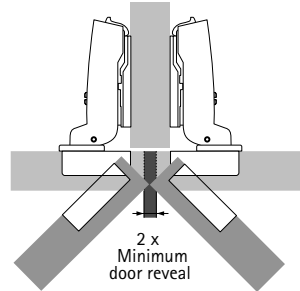
Minimum reveal



For full 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.

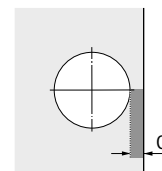
Minimum reveal



For half overlay doors

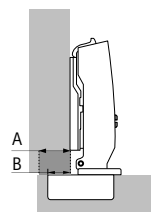
The total reveal selected between the doors must be at least twice the door clearance. Both doors can then be opened at the same time.

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 / Base



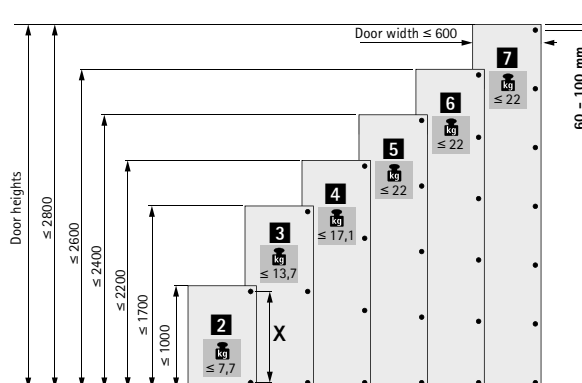
A = Overlay
B = Base

Overlay refers to the projection of the door in front of the cabinet body side. Base refers to the projection of the cup in front of the cabinet body 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 mounting and adjust the number of hinges as necessary. For reasons of stability, space X between the hinges must always be made as large as possible. Distance X must be at least 280 mm.



hettich.com/short/c6aabf

Technical information

- Sensys
- Fitting information

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 full overlay and half overlay doors

The required distance D can be determined after checking the minimum reveal. Ideally, door overlay and cup distance 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, base B = 12.5 mm

Distance D = Cup distance C + base 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 produce 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 + base 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

Technical information

- Sensys thin door hinge
- Fitting information for thin materials

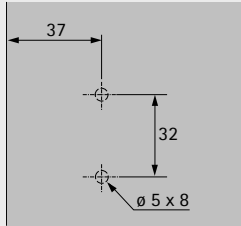
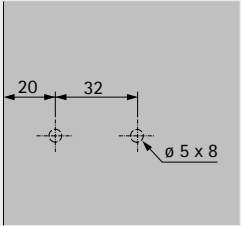
Cup mounting versions for thin door materials from a thickness of 10 mm

Door material	Cup assembly	Mounting hole ø x T mm	Fixing screw
Chipboard, MDF	For pressing in	TH-Drilling pattern 52 x 5,5 mm: ø 10 x 8 TB-Drilling pattern 45 x 9,5 mm: ø 8 x 8 TS-Drilling pattern 48 x 6 mm: ø 10 x 8	-
	Expanding sockets		
Aluminium, HPL, solid surface material	For screwing on	ø 3,6 x 8 ø 5 x 8	9 217 435 9 238 321

Note:

The method selected for attaching the hinge must be suitable for the type and quality of door material and tested for a secure fit.

Cup mounting versions for thin cabinet body materials from a thickness of 10 mm

Cabinet material	Mounting plate	Drilling pattern	Fixing screw
Chipboard, MDF	Cross mounting plate with direct height adjustment with premounted short Euro screws	Cross mounting plate 	premounted at cross mounting plate 9 238 321
Aluminium, HPL, solid surface material	Linear or cross mounting plate for screwing on	Linear mounting plate 	

Note:

The method selected for attaching the mounting plate must be suitable for the type and quality of door material and tested for a secure fit.

Quality criteria

► Concealed hinges

Quality that meets all the demands

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 examples of the principles behind some of the testing processes.

Application

Hettich hinges can be used in living room, kitchen, bathroom and office furniture.

Load 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

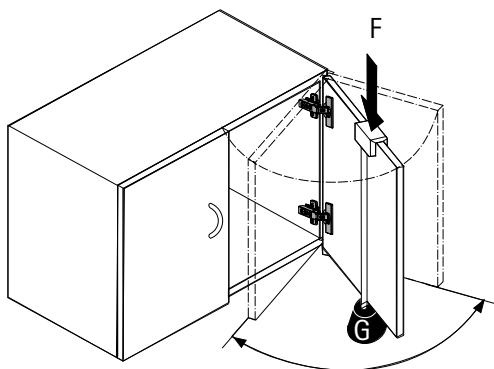
Hettich hinges satisfy the corrosion requirements under EN ISO 9227-2012 in accordance with the 48 h neutral salt spray test (NSS) as well as DIN EN ISO 6270-2-2012 in accordance with the 96 h alternating condensation water climate test with alternating air humidity and temperature (AHT).

Quality assurance

The processes for assuring the quality of Hettich hinges are certified under EN ISO 9001, Cert. No. DE8000209.

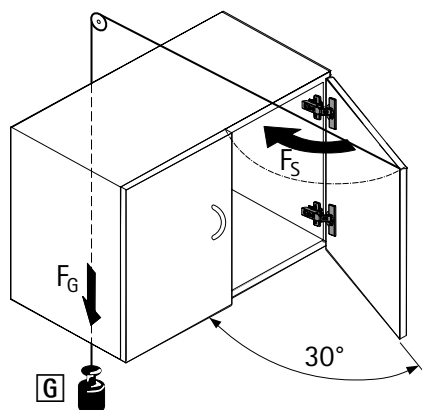
Endurance test

The door is subjected to a specific number of opening and closing cycles.



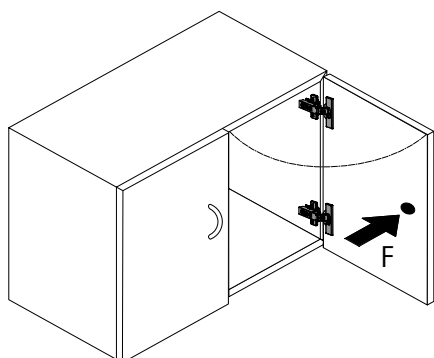
Closing test

The door is opened by 30° and pushed closed from this position by means of a pulley and falling weight.



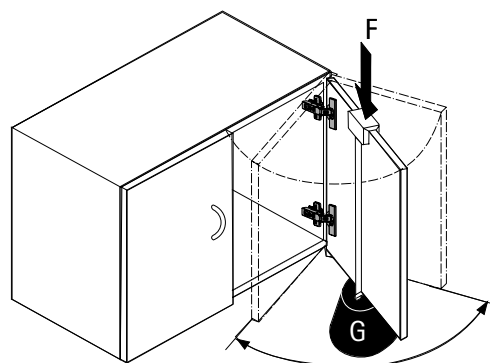
Horizontal test

The door is over opened with a defined test force F. (This test only applies to hinges with an opening angle < 135°.)



Vertical test

The door is subjected to a specific number of opening and closing cycles under a defined additional load G.



Fast assembly concealed hinge

► Intermat



Tried and proven millions of times

Anyone opting for Intermat hinges also benefits from the many advantages that come with a partnership with Hettich. For example, from decades of experience and

continuous product improvement, a high level of supply reliability as well as the fast availability of Hettich products across the globe.



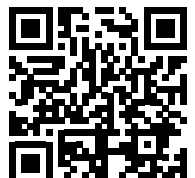
Fascinate with hinge variety:
The Intermat range gives you numerous door mounting options for virtually any application.



Upgrade with optional Silent System:
Differentiate between furniture ranges the simple way with different hinge functionalities and optional accessories.



Easy, tool-less clip on installation:
Ergonomic, tool-less clip on system simplifies installation.



hettich.com/short/2d7912

Find out more:
You can get inspiration and further product details on our website.

Fast assembly concealed hinge

- Intermat
- Summary



Intermat
Range summary

55



Mounting plates
For Sensys and Intermat

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Accessories

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Fast assembly concealed hinge

- Intermat
- Range summary



110° Intermat hinge

- Opening angle 110°

58 - 59



Intermat thick door hinge

- For door thicknesses up to 43 mm
- 95° opening angle

60 - 62



Intermat angle hinge W-30

- For -30° face angle applications
- Opening angle 125°

64 - 66



Intermat angle hinge W-45

- For -45° face angle applications
- Opening angle 125°

68 - 70

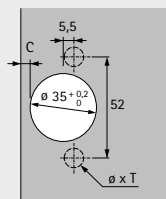
Fast assembly concealed hinge

- ▶ 110° Interimat hinge
- ▶ Opening angle 110°, drilling pattern TH 52 x 5.5 mm

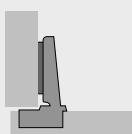


- ▶ Quality classification under EN 15570, Level 3
- ▶ For door thickness 15 - 25 mm
- ▶ Cup depth 11.6 mm
- ▶ Integrated overlay adjustment +2 mm / -2 mm
- ▶ Integrated depth adjustment +2.5 mm / -1.5 mm
- ▶ Height adjustment at mounting plate
- ▶ Steel nickel plated

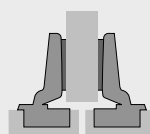
Drilling pattern



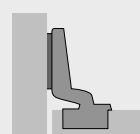
full overlay
(Base B 12.5 mm)



half overlay
(Base B 3 mm)



inset
(Base B -3.5 mm)



With self closing feature (Intermat 9943)

Cup assembly	Mounting hole ø x T mm	full overlay		half overlay		inset	
		50 ea.	200 ea.	50 ea.	200 ea.	50 ea.	200 ea.
For screwing on	-	0 048 049	1 029 518	0 048 051	1 030 620	0 048 052	1 030 922
For pressing in	ø 10 x 11	0 048 053	1 029 520	0 048 054	1 030 622	0 048 055	1 030 924
with expanding sockets	ø 10 x 11	9 043 358	9 043 640	9 043 359	9 043 641	9 043 360	9 043 642

Without Silent System, for handleless applications (Intermat 9973)

Cup assembly	Mounting hole ø x T mm	full overlay		half overlay		inset	
		50 ea.	200 ea.	50 ea.	200 ea.	50 ea.	200 ea.
For screwing on	-	9 043 361	9 005 604	9 043 362	9 042 637	9 043 363	9 042 878
For pressing in	ø 10 x 11	9 072 563	9 042 420	9 072 564	9 072 561	9 072 565	9 072 562
with expanding sockets	ø 10 x 11	9 072 569	9 044 957	9 072 570	9 044 958	9 072 571	9 044 959

Fast assembly concealed hinge

- 110° Intermat hinge
- 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 table entries refer to doors with an edge radius of 1 mm.

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

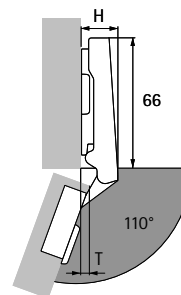
Radius 0 mm:

Value in table + 0.4 mm

Radius 3 mm:

Value in table - 0.8 mm

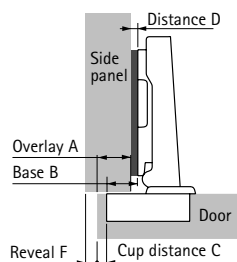
Protrusions / installed depth



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

Door mounting option	H mm	T mm
full overlay	19.5	7.5
half overlay	29.0	17.0
inset	35.5	23.5

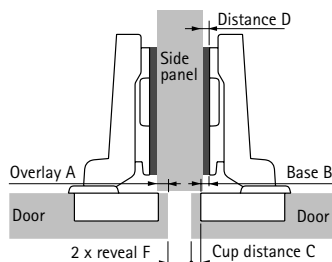
full overlay



Distance D = C + B - 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					
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						

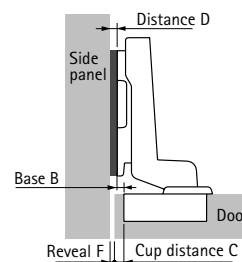
half overlay



Distance D = C + B - A
= cup distance C + 3 mm - 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



Distance D = C + B + 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					
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 74 - 83
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hettich.com/short/8c1e2a

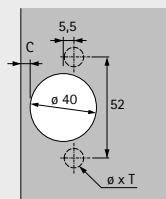
Fast assembly concealed hinge

- ▶ Interimat thick door hinge, door thickness up to 43 mm
- ▶ Opening angle 95°, drilling pattern TH 52 x 5.5 mm

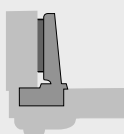


- ▶ Quality classification under EN 15570, Level 2
- ▶ For door thickness 26 - 43 mm
- ▶ Cup diameter 40 mm
- ▶ Cup depth 13.7 mm
- ▶ Integrated overlay adjustment +2 mm / -2 mm
- ▶ Integrated depth adjustment +2.5 mm / -1.5 mm
- ▶ Height adjustment at mounting plate
- ▶ Nickel plated die-cast zinc

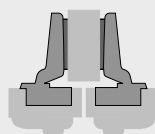
Drilling pattern



full overlay
(Base B 18 mm)



half overlay
(Base B 8 mm)



inset
(Base B -3 mm)



With self closing feature (Interimat 9935)

Cup assembly	Mounting hole ø x T mm	full overlay	half overlay	inset
		50 ea.	50 ea.	50 ea.
For screwing on	-	9 155 241	9 155 242	9 155 243

Fast assembly concealed hinge

- ▶ Intermat thick door hinge, door thickness up to 43 mm
- ▶ 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	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 table entries refer to doors with an edge radius of 1 mm.

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

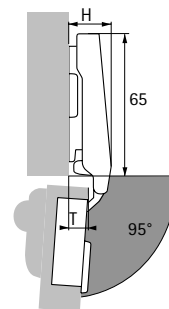
Radius 0 mm:

Value in table + 0.4 mm

Radius 3 mm:

Value in table - 0.8 mm

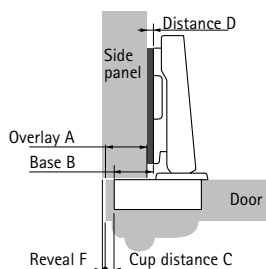
Protrusions / installed depth



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

Door mounting option	H mm	T mm
full overlay	20.0	10.5
half overlay	30.0	20.5
inset	41.0	31.5

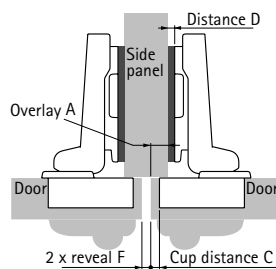
full overlay



Distance D = C + B - A
= cup distance C + 18 mm - 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

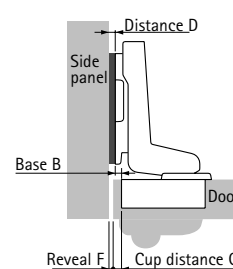
half overlay



Distance D = C + B - A
= cup distance C + 8 mm - 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



Distance D = C + B + F
= cup distance C - 3 mm + 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
- ▶ Accessories
- ▶ Technical information

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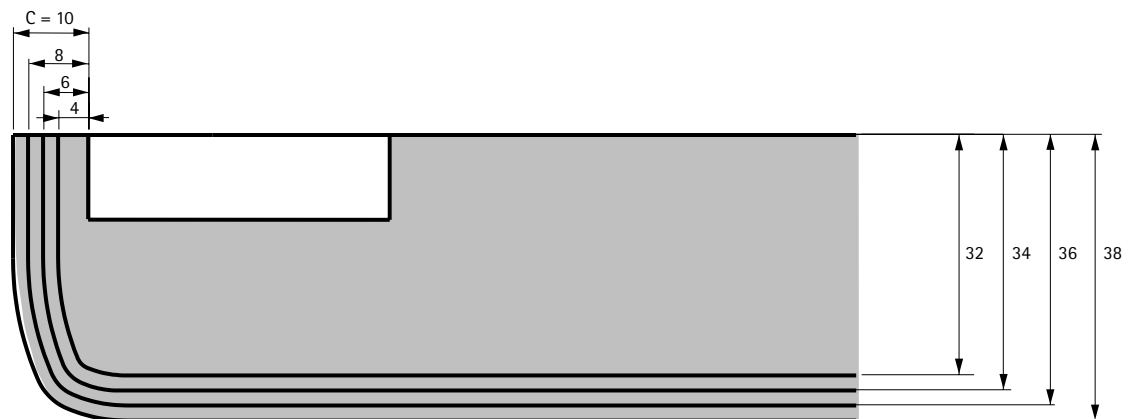


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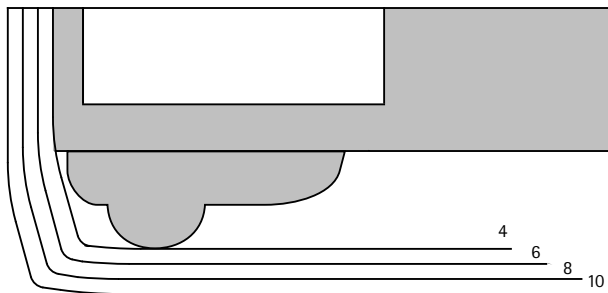
Fast assembly concealed hinge

- ▶ Intermat thick door hinge, door thickness up to 43 mm
- ▶ 95° opening angle

Door contours for minimum reveal application - scale 1:1

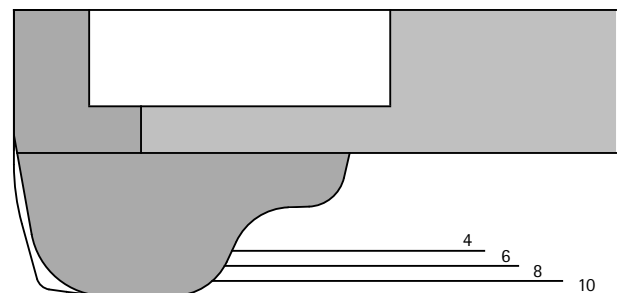


Example of minimum reveal application



Example of minimum reveal application

Door thickness	19 mm
Profile thickness	13 mm
Overall thickness	32 mm
Cup distance C	4 mm



Example of minimum reveal application

Door thickness	19 mm
Profile thickness	19 mm
Overall thickness	38 mm
Cup distance C	10 mm

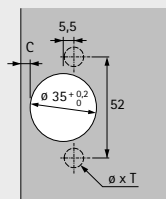
Fast assembly concealed hinge

- ▶ Intermat angle hinge W-30
- ▶ Opening angle 125°, drilling pattern TH 52 x 5.5 mm

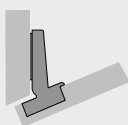


- ▶ Quality classification under EN 15570, Level 2
- ▶ For door thickness 15 - 28 mm
- ▶ Cup depth 12.7 mm
- ▶ Integrated overlay adjustment +2 mm / -2 mm
- ▶ Integrated depth adjustment +2 mm / -2 mm
- ▶ Height adjustment at mounting plate
- ▶ Steel / nickel plated die-cast zinc

Drilling pattern



overlay
(Base B 12 mm)



With self closing feature (Intermat 9944 W-30)

Cup assembly	Mounting hole $\varnothing \times T$ mm	overlay 50 ea.
For screwing on	-	0 073 936
For pressing in	$\varnothing 10 \times 11$	0 073 937
with expanding sockets	$\varnothing 10 \times 11$	9 044 976

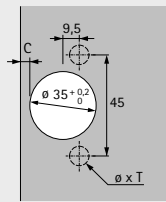
Fast assembly concealed hinge

- ▶ Intermat angle hinge W-30
- ▶ Opening angle 125°, drilling pattern TB 45 x 9.5 mm

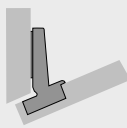


- ▶ Quality classification under EN 15570, Level 2
- ▶ For door thickness 15 - 28 mm
- ▶ Cup depth 12.7 mm
- ▶ Integrated overlay adjustment +2 mm / -2 mm
- ▶ Integrated depth adjustment +2 mm / -2 mm
- ▶ Height adjustment at mounting plate
- ▶ Steel / nickel plated die-cast zinc

Drilling pattern



overlay
(Base B 12 mm)



With self closing feature (Intermat 9944 W-30)

Cup assembly	Mounting hole ø x T mm	overlay 50 ea.
For screwing on	-	9 043 310
For pressing in	ø 8 x 11	0 073 938
with expanding sockets	ø 8 x 11	9 044 979

Fast assembly concealed hinge

- Intermat angle hinge W-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 table entries 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

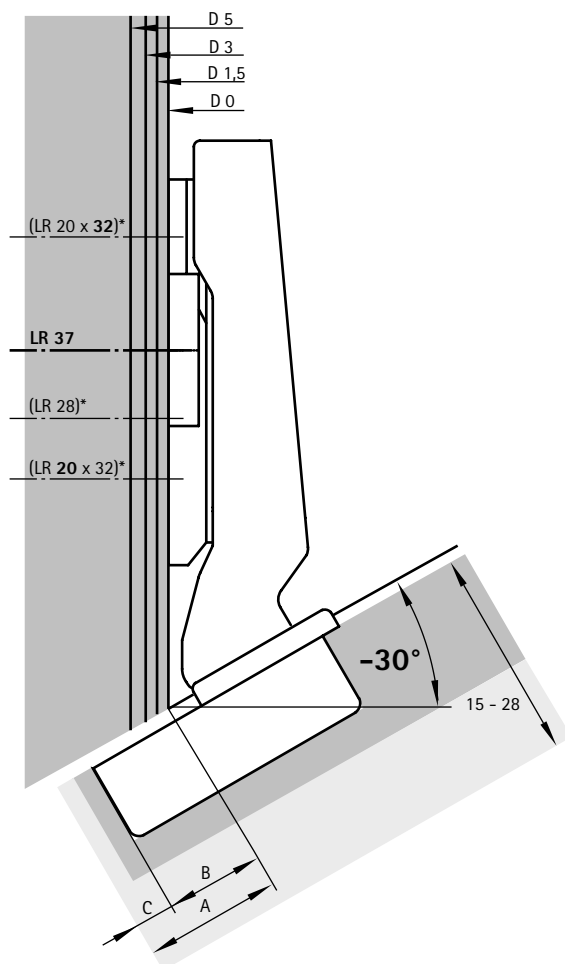
Radius 3 mm:
Value in table - 0.8 mm

Note

The drawings below show the hinges including mounting plate distances on a scale of 1:1. Allowing for cup distance C (3 - 5.5 mm) as well as the minimum reveal, the required mounting plate distance and hole line can be determined by drawing in the door and side panel.

You will find further information on configuring in the hinge configurator in the online catalogue or on our Hettich channel on YouTube.

overlay (B 12 mm) - Scale 1:1



Advice

- Mounting plates 74 - 83
- Accessories 84 - 91
- Technical information 49 - 52



hettich.com/short/ff8514

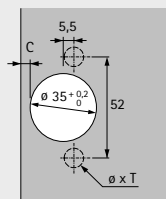
Fast assembly concealed hinge

- ▶ Intermat angle hinge W-45
- ▶ Opening angle 125°, drilling pattern TH 52 x 5.5 mm

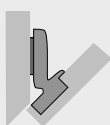


- ▶ Quality classification under EN 15570, Level 2
- ▶ For door thickness 15 - 28 mm
- ▶ Cup depth 12.7 mm
- ▶ Integrated overlay adjustment +2 mm / -2 mm
- ▶ Integrated depth adjustment +2 mm / -2 mm
- ▶ Height adjustment at mounting plate
- ▶ Steel / nickel plated die-cast zinc

Drilling pattern



overlay
(Base B 10 mm)



With self closing feature (Intermat 9944 W-45)

Cup assembly	Mounting hole ø x T mm	overlay 50 ea.
For screwing on	-	0 077 643
For pressing in	ø 10 x 11	0 077 720
with expanding sockets	ø 10 x 11	9 044 978

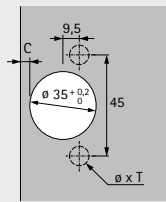
Fast assembly concealed hinge

- ▶ Intermat angle hinge W-45
- ▶ Opening angle 125°, drilling pattern TB 45 x 9.5 mm

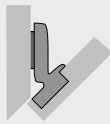


- ▶ Quality classification under EN 15570, Level 2
- ▶ For door thickness 15 - 28 mm
- ▶ Cup depth 12.7 mm
- ▶ Integrated overlay adjustment +2 mm / -2 mm
- ▶ Integrated depth adjustment +2 mm / -2 mm
- ▶ Height adjustment at mounting plate
- ▶ Steel / nickel plated die-cast zinc

Drilling pattern



overlay
(Base B 10 mm)



With self closing feature (Intermat 9944 W-45)

Cup assembly	Mounting hole ø x T mm	overlay 50 ea.
For screwing on	-	9 043 312
For pressing in	ø 8 x 11	0 077 721
with expanding sockets	ø 8 x 11	9 044 981

Fast assembly concealed hinge

- Intermat angle hinge W-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 table entries 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

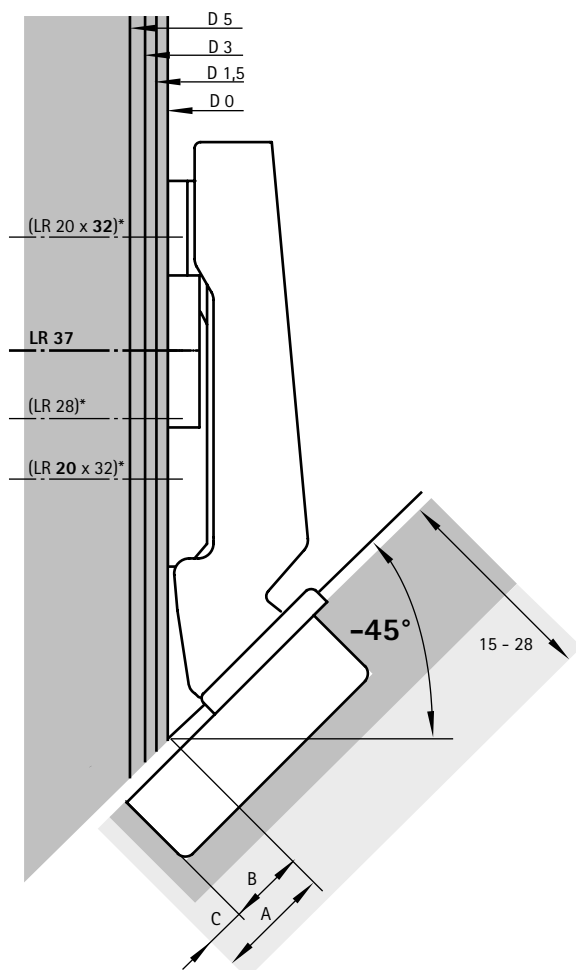
Radius 3 mm:
Value in table - 0.8 mm

Note

The drawings below show the hinges including mounting plate distances on a scale of 1:1. Allowing for cup distance C (3 - 5.5 mm) as well as the minimum reveal, the required mounting plate distance and hole line can be determined by drawing in the door and side panel.

You will find further information on configuring in the hinge configurator in the online catalogue or on our Hettich channel on YouTube.

overlay (B 10 mm) - Scale 1:1



Advice

- Mounting plates 74 - 83
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hettich.com/short/965401

Quality criteria

► Concealed hinges

Quality that meets all the demands

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 examples of the principles behind some of the testing processes.

Application

Hettich hinges can be used in living room, kitchen, bathroom and office furniture both in the home and business environment.

Load 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

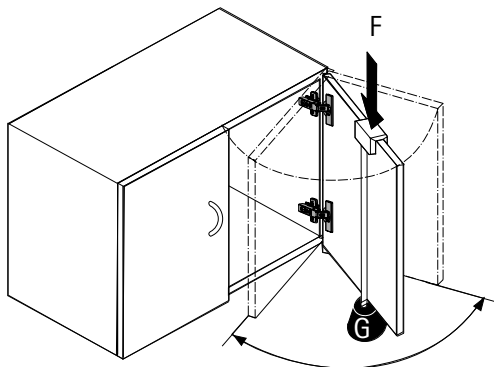
Hettich hinges satisfy the corrosion requirements under EN ISO 9227-2012 in accordance with the 48 h neutral salt spray test (NSS) as well as DIN EN ISO 6270-2-2012 in accordance with the 96 h alternating condensation water climate test with alternating air humidity and temperature (AHT).

Quality assurance

The processes for assuring the quality of Hettich hinges are certified under EN ISO 9001, Cert. No. DE8000209.

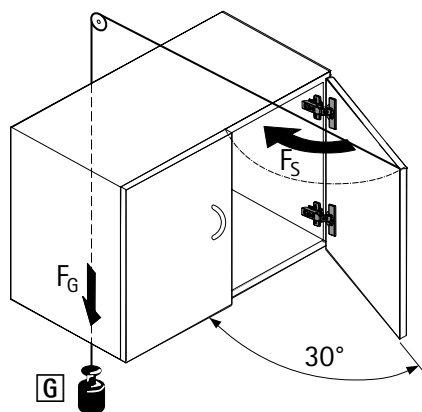
Endurance test

The door is subjected to a specific number of opening and closing cycles.



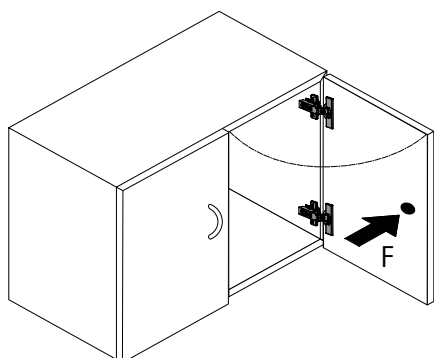
Closing test

The door is opened by 30° and pushed closed from this position by means of a pulley and falling weight.



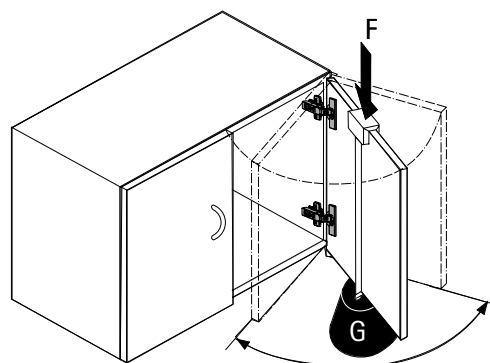
Horizontal test

The door is over opened with a defined test force F . (This test only applies to hinges with an opening angle $< 135^\circ$.)



Vertical test

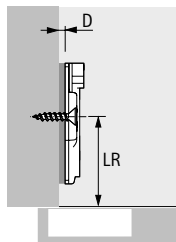
The door is subjected to a specific number of opening and closing cycles under a defined additional load G .



Fast assembly concealed hinge

- Mounting plates with oblong hole height adjustment
- For Sensys and Intermat

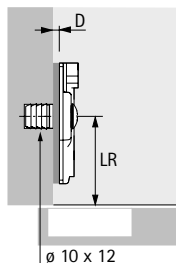
Cross mounting plate for screwing on



- For $\varnothing 4.5 \times 16$ mm countersunk screws
- Quality classification under EN 15570, Level 3
- Hole spacing 32 mm
- Oblong hole height adjustment ± 3 mm
- Steel nickel plated

Hole line distance LR mm	Order no. / Distance D mm					PU
	0.0	1.5	3.0	5.0	8.0	
28	9 071 570	9 071 571	9 071 572	9 071 573		200 ea.
37	9 075 005	9 075 006	9 075 007	9 075 008	9 075 009	50 ea.
37	9 071 575	9 071 576	9 071 577	9 071 578	9 071 579	200 ea.

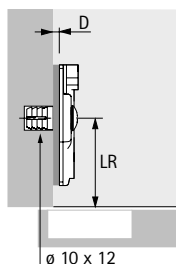
Cross mounting plate for pressing in



- For $\varnothing 10 \times 12$ mm drillings
- Quality classification under EN 15570, Level 3
- Hole spacing 32 mm
- Oblong hole height adjustment ± 2 mm
- Steel nickel plated

Hole line distance LR mm	Order no. / Distance D mm				PU
	0.0	1.5	3.0	5.0	
37	9 071 615	9 071 616	9 071 617	9 071 618	200 ea.

Cross mounting plate with expanding sockets and special screws



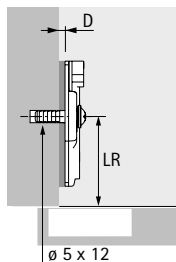
- For $\varnothing 10 \times 12$ mm drillings
- Quality classification under EN 15570, Level 3
- Hole spacing 32 mm
- Oblong hole height adjustment ± 2 mm
- Steel nickel plated

Hole line distance LR mm	Order no. / Distance D mm					PU
	0.0	1.5	3.0	5.0	8.0	
28	9 071 600	9 071 601	9 071 602	9 071 603		200 ea.
37	9 071 605	9 071 606	9 071 607	9 071 608	9 071 609	200 ea.

Fast assembly concealed hinge

- ▶ Mounting plates with oblong hole height adjustment
- ▶ For Sensys and Intermat

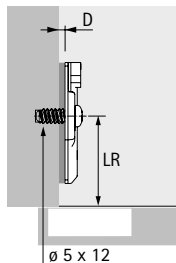
Cross mounting plate with expanding sockets and special screws



- ▶ For $\varnothing 5 \times 12$ mm holes
- ▶ Quality classification under EN 15570, Level 3
- ▶ Hole spacing 32 mm
- ▶ Oblong hole height adjustment ± 2 mm
- ▶ Steel nickel plated

Hole line distance LR mm	Order no. / Distance D mm				PU
	0.0	1.5	3.0	5.0	
37	9 071 595	9 071 596	9 071 597	9 071 598	200 ea.

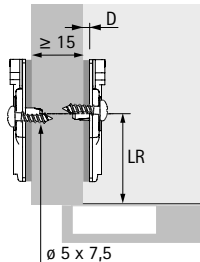
Cross mounting plate with premounted Euro screws



- ▶ For $\varnothing 5 \times 12$ mm holes
- ▶ Quality classification under EN 15570, Level 3
- ▶ Hole spacing 32 mm
- ▶ Oblong hole height adjustment ± 3 mm
- ▶ Steel nickel plated

Hole line distance LR mm	Order no. / Distance D mm					PU
	0.0	1.5	3.0	5.0	8.0	
28	9 071 620	9 071 621	9 071 622	9 071 623		200 ea.
37	9 075 055	9 075 056	9 075 057	9 075 058	9 075 059	50 ea.
37	9 071 625	9 071 626	9 071 627	9 071 628	9 071 629	200 ea.

"Hettich Direkt" cross mounting plate with locating pin and special screws



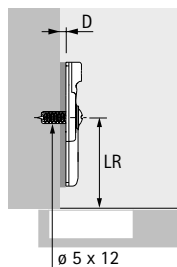
- ▶ For $\varnothing 5 \times 7.5$ mm holes
- ▶ Quality classification under EN 15570, Level 2
- ▶ Hole spacing 32 mm
- ▶ Half overlay door, from 15 mm side panel thickness
- ▶ Oblong hole height adjustment ± 2 mm
- ▶ Steel nickel plated

Hole line distance LR mm	Order no. / Distance D mm				PU
	0.0	1.5	3.0	5.0	
37	9 071 585	9 071 586	9 071 587	9 071 588	200 ea.

Fast assembly concealed hinge

- Mounting plates with oblong hole height adjustment
- For Sensys and Intermat

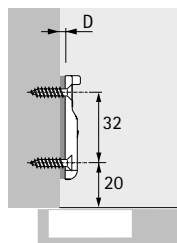
Cross mounting plate with locating pins and special screws



- For $\varnothing 5 \times 12$ mm holes
- Quality classification under EN 15570, Level 2
- Hole spacing 25 mm
- Oblong hole height adjustment ± 2 mm
- Steel nickel plated

Hole line distance LR mm	Order no. / Distance D mm			PU
	0.0	1.5	3.0	
37	9 106 980	9 106 981	9 106 982	200 ea.

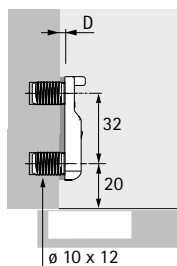
Linear mounting plate for screwing on



- For $\varnothing 3.5 \times 16$ mm countersunk screws
- Quality classification under EN 15570, Level 3
- Oblong hole height adjustment ± 1.6 mm
- Nickel plated die-cast zinc

Hole line distance LR mm	Order no. / Distance D mm		PU
	0.5	3.0	
20	9 088 244	9 088 245	50 ea.

Linear mounting plate for pressing in



- For drilling $\varnothing 10 \times 12$ mm
- Quality classification under EN 15570, Level 3
- Oblong hole height adjustment ± 1.6 mm
- Nickel plated die-cast zinc

Hole line distance LR mm	Order no. / Distance D mm		PU
	0.5	3.0	
20	9 088 242	9 088 243	50 ea.

Fast assembly concealed hinge

- ▶ Mounting plates with oblong hole height adjustment
- ▶ For Sensys and Intermat

Face frame mounting plate for screwing on



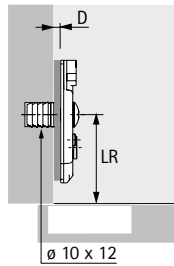
- ▶ For ø 4 x 20 mm countersunk screws
- ▶ Quality classification under EN 15570, Level 3
- ▶ Hole spacing 40 mm
- ▶ Oblong hole height adjustment ± 2 mm
- ▶ Can only be used with Sensys hinges
- ▶ Nickel plated die-cast zinc

Hole line distance LR mm	Order no. / Distance D mm		PU
	0.0	4.5	
9.5	9 088 246	9 088 248	50 ea.
9.5	9 084 930	9 084 931	200 ea.

Fast assembly concealed hinge

- Mounting plates with direct height adjustment
- For Sensys and Intermat

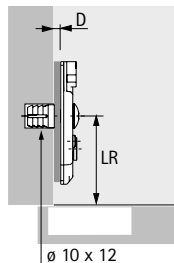
Cross mounting plate for pressing in



- For Ø 10 x 12 mm drillings
- Quality classification under EN 15570, Level 3
- Hole spacing 32 mm
- Direct height adjustment ± 2 mm
- Steel nickel plated

Hole line distance LR mm	Order no. / Distance D mm				PU
	0.0	1.5	3.0	5.0	
37	9 071 680	9 071 681	9 071 682	9 071 683	200 ea.

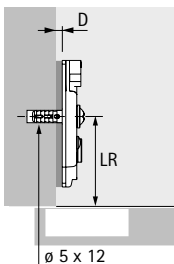
Cross mounting plate with expanding sockets and special screws



- For Ø 10 x 12 mm drillings
- Quality classification under EN 15570, Level 3
- Hole spacing 32 mm
- Direct height adjustment ± 2 mm
- Steel nickel plated

Hole line distance LR mm	Order no. / Distance D mm				PU
	0.0	1.5	3.0	5.0	
37	9 071 660	9 071 661	9 071 662	9 071 663	200 ea.

Cross mounting plate with expanding sockets and special screws



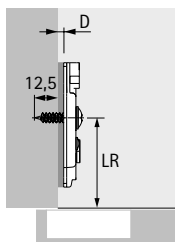
- For Ø 5 x 12 mm holes
- Quality classification under EN 15570, Level 3
- Hole spacing 32 mm
- Direct height adjustment ± 2 mm
- Steel nickel plated

Hole line distance LR mm	Order no. / Distance D mm				PU
	0.0	1.5	3.0	5.0	
37	9 075 070	9 075 071	9 075 072	9 075 073	50 ea.
37	9 071 655	9 071 656	9 071 657	9 071 658	200 ea.

Fast assembly concealed hinge

- Mounting plates with direct height adjustment
- For Sensys and Intermat

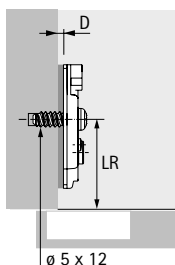
Cross mounting plate with premounted chipboard screws



- For holes with max. $\varnothing$ 2.5 mm
- Quality classification under EN 15570, Level 3
- Hole spacing 32 mm
- Direct height adjustment ± 2 mm
- Steel nickel plated

Hole line distance LR mm	Order no. / Distance D mm				PU
	0.0	1.5	3.0	5.0	
37	9 075 085	9 075 086	9 075 087	9 075 088	50 ea.
37	9 071 670	9 071 671	9 071 672	9 071 673	200 ea.

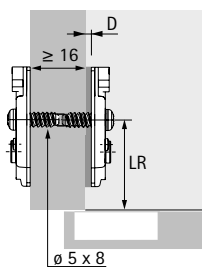
Cross mounting plate with premounted Euro screws



- For $\varnothing$ 5 x 12 mm holes
- Quality classification under EN 15570, Level 3
- Hole spacing 32 mm
- Direct height adjustment ± 2 mm
- Steel nickel plated

Hole line distance LR mm	Order no. / Distance D mm				PU
	0.0	1.5	3.0	5.0	
37	9 075 080	9 075 081	9 075 082	9 075 083	50 ea.
37	9 071 665	9 071 666	9 071 667	9 071 668	200 ea.

Cross mounting plate with premounted Euro screws



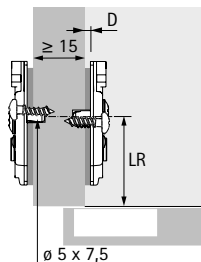
- For $\varnothing$ 5 x 8 mm holes
- Quality classification under EN 15570, Level 3
- Hole spacing 32 mm
- Half overlay door, from 16 mm side panel thickness
- Direct height adjustment ± 2 mm
- Steel nickel plated

Hole line distance LR mm	Order no. / Distance D mm				PU
	0.0	1.5	3.0	5.0	
37	9 075 060	9 075 061	9 075 062	9 075 063	50 ea.
37	9 071 645	9 071 646	9 071 647	9 071 648	200 ea.

Fast assembly concealed hinge

- Mounting plates with direct height adjustment
- For Sensys and Intermat

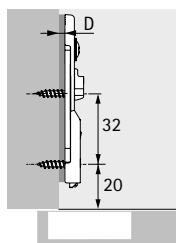
"Hettich Direkt" cross mounting plate with locating pin and special screws



- For $\varnothing 5 \times 7.5$ mm holes
- Quality classification under EN 15570, Level 2
- Hole spacing 32 mm
- Half overlay door, from 15 mm side panel thickness
- Direct height adjustment ± 2 mm
- Steel nickel plated

Hole line distance LR mm	Order no. / Distance D mm				PU
	0.0	1.5	3.0	5.0	
37	9 075 065	9 075 066	9 075 067	9 075 068	50 ea.
37	9 071 650	9 071 651	9 071 652	9 071 653	200 ea.

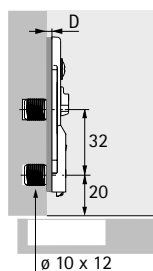
Linear mounting plate for screwing on



- For $\varnothing 3.5 \times 16$ mm countersunk screws
- Quality classification under EN 15570, Level 3
- Direct height adjustment ± 2 mm
- Steel nickel plated

Hole line distance LR mm	Order no. / Distance D mm		PU
	1.5	3.0	
20	9 117 341	9 117 342	50 ea.
20	9 308 078	9 308 079	200 ea.

Linear mounting plate for pressing in



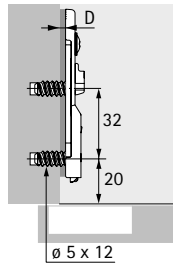
- For $\varnothing 10 \times 12$ mm drillings
- Quality classification under EN 15570, Level 3
- Direct height adjustment ± 2 mm
- Steel nickel plated

Hole line distance LR mm	Order no. / Distance D mm		PU
	1.5	3.0	
20	9 117 344	9 117 388	50 ea.
20	9 308 080		200 ea.

Fast assembly concealed hinge

- ▶ Mounting plates with direct height adjustment
- ▶ For Sensys and Intermat

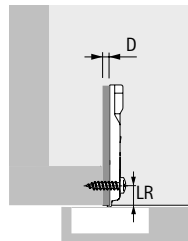
Linear mounting plate with premounted Euro screws



- ▶ For $\varnothing 5 \times 12$ mm holes
- ▶ Quality classification under EN 15570, Level 3
- ▶ Direct height adjustment ± 2 mm
- ▶ Steel nickel plated

Hole line distance LR mm	Order no. / Distance D mm		PU
	1.5	3.0	
20	9 133 874	9 133 875	50 ea.

Face frame mounting plate for screwing on



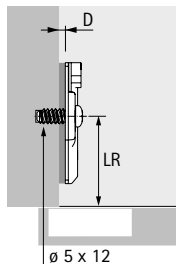
- ▶ For flat head screws $\varnothing 4 \times 20$ mm
- ▶ Quality classification under EN 15570, Level 3
- ▶ Hole spacing 40 mm
- ▶ Direct height adjustment ± 2 mm
- ▶ Steel nickel plated

Hole line distance LR mm	Order no. / Distance D mm		PU
	0.0	4.5	
9.5	9 090 882	9 090 884	50 ea.

Fast assembly concealed hinge

- ▶ Mounting plates with oblong hole height adjustment
- ▶ For Sensys in obsidian black

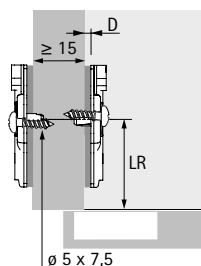
Cross mounting plate with premounted Euro screws



- ▶ For $\varnothing 5 \times 12$ mm holes
- ▶ Quality classification under EN 15570, Level 3
- ▶ Hole spacing 32 mm
- ▶ Oblong hole height adjustment ± 3 mm
- ▶ Steel in obsidian black

Hole line distance LR mm	Order no. / Distance D mm				PU
	0.0	1.5	3.0	5.0	
37	9 091 799	9 091 800	9 091 801	9 091 802	50 ea.
37	9 307 977	9 307 978	9 307 979		200 ea.

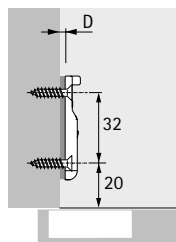
"Hettich Direkt" cross mounting plate with locating pin and special screws



- ▶ For $\varnothing 5 \times 7.5$ mm holes
- ▶ Quality classification under EN 15570, Level 2
- ▶ Hole spacing 32 mm
- ▶ Half overlay door, from 15 mm side panel thickness
- ▶ Oblong hole height adjustment ± 2 mm
- ▶ Steel in obsidian black

Hole line distance LR mm	Order no. / Distance D mm				PU
	0.0	1.5	3.0	5.0	
37	9 091 807	9 091 808	9 091 809	9 091 810	50 ea.

Linear mounting plate for screwing on



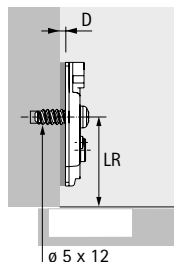
- ▶ For $\varnothing 3.5 \times 16$ mm countersunk screws
- ▶ Quality classification under EN 15570, Level 3
- ▶ Oblong hole height adjustment ± 1.6 mm
- ▶ Die-cast zinc in obsidian black

Hole line distance LR mm	Order no. / Distance D mm		PU
	0.5	3.0	
20	9 091 815	9 091 816	50 ea.
20	9 308 038		200 ea.

Fast assembly concealed hinge

- Mounting plates with direct height adjustment
- For Sensys in obsidian black

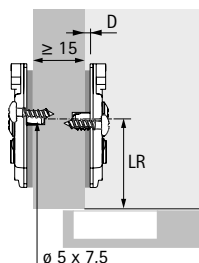
Cross mounting plate with premounted Euro screws



- For $\varnothing 5 \times 12$ mm holes
- Quality classification under EN 15570, Level 3
- Hole spacing 32 mm
- Direct height adjustment ± 2 mm
- Steel in obsidian black

Hole line distance LR mm	Order no. / Distance D mm				PU
	0.0	1.5	3.0	5.0	
37	9 091 803	9 091 804	9 091 805	9 091 806	50 ea.
37	9 308 021	9 308 022	9 308 023		200 ea.

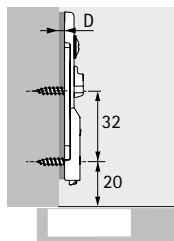
"Hettich Direkt" cross mounting plate with locating pin and special screws



- For $\varnothing 5 \times 7.5$ mm holes
- Quality classification under EN 15570, Level 2
- Hole spacing 32 mm
- Half overlay door, from 15 mm side panel thickness
- Direct height adjustment ± 2 mm
- Steel in obsidian black

Hole line distance LR mm	Order no. / Distance D mm				PU
	0.0	1.5	3.0	5.0	
37	9 091 811	9 091 812	9 091 813	9 091 814	50 ea.
37	9 308 024	9 308 035	9 308 036		200 ea.

Linear mounting plate for screwing on



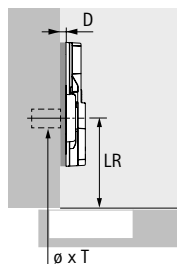
- For $\varnothing 3.5 \times 16$ mm countersunk screws
- Quality classification under EN 15570, Level 3
- Direct height adjustment ± 2 mm
- Steel in obsidian black

Hole line distance LR mm	Order no. / Distance D mm		PU
	1.5	3.0	
20	9 117 471	9 117 472	50 ea.
20	9 308 077		200 ea.

Fast assembly concealed hinge

- Accessories
- For Sensys and Intermat

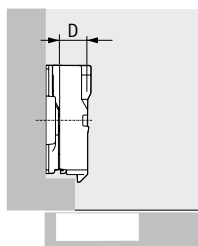
Adapter plate for parallel adapter



- For connecting parallel adapters
- Quality classification under EN 15570, Level 3
- For use in 28 or 37 mm hole line
- Can only be used with screwed on adapter
- Hole spacing 32 mm
- Oblong hole height adjustment ± 3 mm (versions for screwing on / with premounted Euro screws)
- Oblong hole height adjustment ± 2 mm (version with expanding sockets)
- Nickel plated die-cast zinc

Cup assembly	Mounting hole $\varnothing \times T$ mm	Order no. / Distance D mm			PU
		0.0	1.5	3.0	
for screw mounting with $\varnothing 4.5 \times 16$ mm flat head screws	-	9 106 989	9 106 990	9 106 991	50 ea.
with expanding sockets	$\varnothing 10 \times 12$	9 106 983	9 106 984	9 106 985	50 ea.
with premounted Euro screws	$\varnothing 5 \times 12$	9 106 986	9 106 987	9 106 988	50 ea.

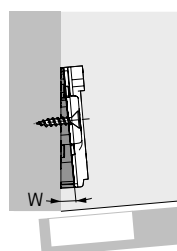
Parallel adapter



- For screwing onto the adapter plate
- Distances of up to 25 mm can be reached in combination with the adapter plate
- Including fixing screw
- A trial mounting is recommended
- Nickel plated die-cast zinc

Distance D mm	Order no.	PU
8.0	9 072 537	50 ea.
12.0	9 072 538	50 ea.
22.0	9 072 539	50 ea.

Angle adapter for cross mounting plates



- For realizing face angle applications
- A trial mounting is recommended
- Plastic, anthracite

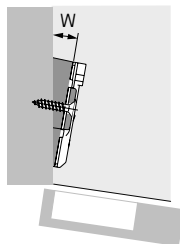
Angle W°	Order no.	PU
-5	9 237 120	50 ea.

Can only be used with LR37 cross mounting plates for screwing on, screw length is defined by the specific configuration

Fast assembly concealed hinge

- Accessories
- For Sensys and Intermat

Angle adapter for cross mounting plates

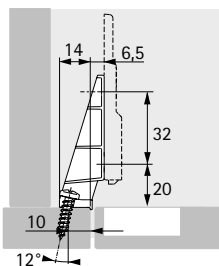


- For realizing face angle applications
- 5° angle adapter can be stacked on the other angle adapters
- A trial mounting is recommended
- Nickel plated die-cast zinc

Angle W°	Order no.	PU
5	9 072 533	50 ea.
10	9 072 534	50 ea.
15	9 072 535	50 ea.
20	9 072 536	50 ea.

Can only be used with LR37 cross mounting plates for screwing on, screw length is defined by the specific configuration

Adapter for inset doors on front frame



- For creating inset doors on cabinets with front frame
- Quality classification under EN 15570, Level 3
- For combining with linear mounting plate for screwing on and hinge for half overlay doors
- Attachment to front frame by $\varnothing 4 \times 20$ mm panhead screws
- The mounting plate is attached to the adapter with $\varnothing 4 \times 12$ mm self tapping special screws (order no. 9 076 418 / 100 each)
- Nickel plated die-cast zinc

Order no.	PU
9 227 315	50 ea.

Cover cap for Sensys hinge arm



- Can be used with all Sensys hinges apart from Sensys wide angle hinge
- Cover caps with customised embossed or printed logo on request
- Steel nickel plated

Design	Order no. / PU		
	50 ea.	200 ea.	2000 ea.
neutral	9 088 249	9 082 612	9 089 666
embossed with Hettich logo	9 088 250	9 082 774	9 089 667

Cover cap for Sensys hinge arm



- Can be used with all Sensys hinges apart from Sensys wide angle hinge
- Cover caps with customised embossed or printed logo on request
- Steel in obsidian black

Design	Order no. / PU	
	50 ea.	200 ea.
neutral	9 091 820	9 308 181
embossed with Hettich logo	9 091 821	9 308 182

Fast assembly concealed hinge

- Accessories
- For Sensys and Intermat

Cover cap for Sensys hinge arm (wide angle hinge)



- Can be used with all Sensys wide angle hinges
- Cover caps with customised print available on request
- Plastic, anthracite

Design	Order no.	PU
neutral	9 099 870	50 ea.
printed with Hettich logo	9 099 871	50 ea.

Cover cap for Sensys hinge cup



- Can be used for hinges with cup in Sensys design
- Can be used for all attachment options apart from Fix and premounted wood screw
- Steel nickel plated

Design	Order no. / PU		
	50 ea.	200 ea.	1000 ea.
for drilling pattern TH / TS	9 088 251	9 082 614	9 089 664
for drilling pattern TB	9 088 252	9 084 924	9 089 665

Cover cap for Sensys hinge cup



- Can be used for hinges with cup in Sensys design
- Steel in obsidian black

Design	Order no. / PU	
	50 ea.	200 ea.
for drilling pattern TH / TS	9 091 822	9 308 183

Soft opening for Sensys wide angle hinge



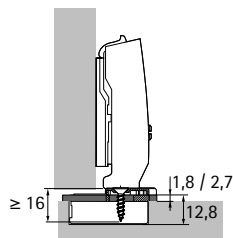
- Can be used with Sensys wide angle hinges with integrated Silent System
- Cannot be combined with opening angle limiter
- Plastic, anthracite

Door mounting option	Order no.	PU
full overlay	9 100 037	50 ea.
half overlay	9 100 116	50 ea.

Fast assembly concealed hinge

- Accessories
- For Sensys and Intermat

Adapter for reducing drilling depth



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

Design	Order no. / Thickness mm		Order no. / Thickness mm	
	1.8 50 ea.	2.7 50 ea.	1.8 200 ea.	1.8 2000 ea.
for drilling pattern TH, TS	9 073 595	9 073 596	9 072 980	9 071 440
for drilling pattern TB	9 073 597	9 073 598		

Opening angle limiter for Sensys 110° hinge



- Limitation from 110° to 85°
- For reducing the opening angle of doors with adjoining elements
- Avoids damage to the front panel
- Plastic, white

Order no. / PU	
50 ea.	200 ea.
9 072 540	9 071 468

Opening angle limiter for Sensys 110° hinge



- Limitation from 110° to 90°
- For reducing the opening angle of doors with adjoining elements
- Avoids damage to the front panel
- Plastic, grey

Order no.	PU
9 072 354	50 ea.

Opening angle limiter for Sensys thick door hinges



- Limitation from 95° to 85°
- For reducing the opening angle of doors with adjoining elements
- Avoids damage to the front panel
- Steel

Order no. / PU	
50 ea.	200 ea.
9 103 006	9 100 039

Opening angle limiter for Sensys thin door hinges



- Limitation from 110° to 85°
- For reducing the opening angle of doors with adjoining elements
- Avoids damage to the front panel
- Plastic, anthracite

Order no.	PU
9 076 440	50 ea.

Fast assembly concealed hinge

- Accessories
- For Sensys and Intermat

Opening angle limiter for Sensys wide angle hinges



- Limitation from 165° to 105° or 120°
- For reducing the opening angle of doors with adjoining elements
- Avoids damage to the front panel
- Plastic, anthracite

Order no.	PU
9 090 756	50 ea.

Opening angle limiter for Sensys wide angle hinges



- Limitation from 165° to 90° or 135°
- For reducing the opening angle of doors with adjoining elements
- Avoids damage to the front panel
- Plastic, anthracite

Order no.	PU
9 090 864	50 ea.

Opening angle limiter for Sensys angle hinges



- Limitation from 95° to 85°
- For reducing the opening angle of doors with adjoining elements
- Avoids damage to the front panel
- Plastic, black

Order no.	PU
9 072 541	50 ea.

Opening angle limiter for Sensys aluminium frame hinges



- Limitation from 95° to 85°
- For reducing the opening angle of doors with adjoining elements
- Avoids damage to the front panel
- Plastic, black

Order no.	PU
9 072 542	50 ea.

Aid for installing opening angle limiter



- Can be used with the following opening angle limiters
Order no. 9 072 540 for Sensys 110° hinges
Order no. 9 072 354 for Sensys 110° hinges
Order no. 9 072 541 for Sensys angle hinges

Order no.	PU
9 081 657	100 ea.

Fast assembly concealed hinge

- Accessories
- For Sensys and Intermat

Cover cap for Intermat hinge arm



- Can be used with Intermat hinges
- Cover caps with customised embossed or printed logo on request
- Steel nickel plated

Design	Order no.	PU
neutral	9 101 552	50 ea.
embossed with Hettich logo	9 102 082	50 ea.

Opening angle limiter for Intermat 9943



- For reducing the opening angle of doors with adjoining elements
- Avoids damage to the front panel
- Also suitable for hinges without self closing feature
- Plastic, colourless
- For installation notes, see Technical information

Order no.	PU
9 088 253	50 ea.
9 040 835	200 ea.

Opening angle limiter for Intermat 9936 / 9936 W



- For reducing door opening angle to avoid collisions with adjoining elements
- Avoids damage to the front panel
- Also suitable for hinges without self closing feature
- Steel
- For installation notes, see Technical information

Order no.	PU
9 088 254	50 ea.

Fast assembly concealed hinge

- ▶ Accessories
- ▶ For Sensys and Intermat

Screw and sleeve



- ▶ Press in sleeve and screw
- ▶ Used for example, to replace hinges with cup installation for pressing in
- ▶ $\varnothing$ 10 x 11 mm
- ▶ Colourless plastic / steel, nickel plated

Order no.	PU
0 045 169	200 set

Fixing screw for alumium frame hinges



- ▶ Countersunk head
- ▶ Pozidrive screw
- ▶ $\varnothing$ 3.5 x 9.5 mm
- ▶ Steel nickel plated

Order no.	PU
0 041 296	200 ea.

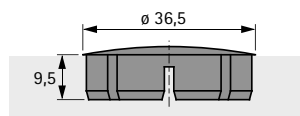
Fixing screw for glass door hinges



- ▶ For glass 5.5 - 6.5 mm thick
- ▶ Steel nickel plated

Order no.	PU
9 082 429	200 ea.

Cover cap $\varnothing$ 35 mm



- ▶ For drilling $\varnothing$ 35 x 9.5 mm
- ▶ Plastic

Colour	Order no.	PU
white	0 025 204	100 ea.
brown	0 025 205	100 ea.

Fast assembly concealed hinge

- Accessories
- For Sensys and Intermat

Fixing screw



- Self tapping countersunk screw
- For use with hinges and mounting plates for screwing on in combination with hard materials, such as solid surface material or full core panel
- Not suitable for use in engineered wood
- Steel nickel plated

Design	Order no.	PU
for drilling ø 3.6 x 8 mm	9 217 435	100 ea.
for drilling ø 5 x 8 mm	9 238 321	100 ea.

Fixing screw



- Self tapping ø 4 x 12 mm countersunk screw
- For screwing fittings together, e.g. hinge to adapter for glue mounting or mounting plate to adapter for inset doors to front frame
- Not suitable for use in engineered wood
- Steel nickel plated

Items	Order no.	PU
Fixing screw	9 076 418	100 ea.

Optional Silent System

► For concealed hinges



A measurable benefit for every furniture user

Closing furniture doors produce irritating noise in the home environment. InterMat with Silent System controls the movement of furniture doors, leaving them to close quietly and gently. Peace and quiet are immediately restored, enhancing living comfort in any home situation. And all with just one Silent System element per standard door.



High user benefit:

The Silent System action can be optimised to suit the size and weight of the doors via a setting wheel.



Elegance for the hinge cup:

This particularly attractive Silent System can be used for standard door mounting styles.



Convenient, for clipping on:

The Silent System damper simply clips onto the hinge arm, thus enabling tool-less assembly.



hettich.com/short/2d7912

Find out more:

You can get inspiration and further product details on our website.

Optional Silent System

- ▶ For concealed hinges
- ▶ Summary



Optional Silent System
for use with concealed hinges of the Interimat series

94 – 96

Optional Silent System

- ▶ For concealed hinges
- ▶ For Intermat

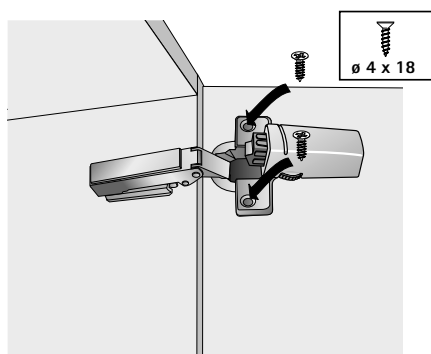
Silent System hinge cup



- ▶ For screwing onto the hinge cup
- ▶ Cushioning effect infinitely adjustable via setting wheel
- ▶ Use two Silent System elements for front panel weights over 13.5 kg
- ▶ Can be retrofitted
- ▶ Can be used for cup mounted hinges for screwing on, for pressing in or with expanding sockets
- ▶ Nickel plated die-cast zinc

For hinge	For drilling pattern	Door mounting option	Order no.	PU
Intermat 9943 / 9944	TH 52 x 5.5 mm	full overlay	0 060 581	50 ea.
Intermat 9943 / 9944	TB 45 x 9.5 mm	full overlay	9 072 587	50 ea.
Intermat 9936	TH 52 x 5.5 mm	full overlay, half overlay, inset	9 146 514	50 ea.
Intermat 9936	TB 45 x 9.5 mm	full overlay, half overlay, inset	9 072 588	50 ea.

Installation



Optional Silent System

- ▶ For concealed hinges
- ▶ For Intermat

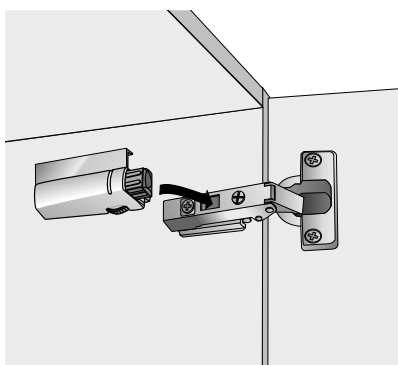
Silent System for clipping on



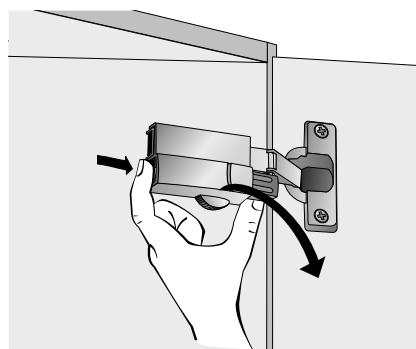
- ▶ For clipping onto the hinge arm
- ▶ Cushioning effect infinitely adjustable via setting wheel
- ▶ Tool-less installation / removal
- ▶ Use two Silent System elements for front panel weights over 13.5 kg
- ▶ Easy to add on
- ▶ Nickel plated die-cast zinc

For hinge	Door mounting option	For use with	Order no.	PU
Intermat 9943 / 9936 / 9944	full overlay	all mounting plate distances	0 060 576	50 ea.
Intermat 9943 / 9936 / 9944	full overlay	Mounting plate distance $D \geq 3$ mm and internal pot-and-pan drawers	9 072 589	50 ea.
Intermat 9943 / 9936	half overlay	all mounting plate distances	0 060 577	50 ea.
Intermat 9943 / 9936	inset	all mounting plate distances	0 060 578	50 ea.

Installation



Removal



Optional Silent System

- For concealed hinges
- For Intermat

Screw on Silent System

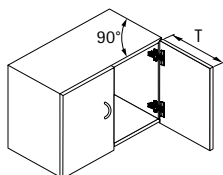


- For screwing onto top or bottom cabinet body panel
- Cushioning effect infinitely adjustable via setting screw
- Installation on hinge side
- Use two Silent System elements for front panel weights over 13.5 kg
- Can be retrofitted
- Nickel plated die-cast zinc

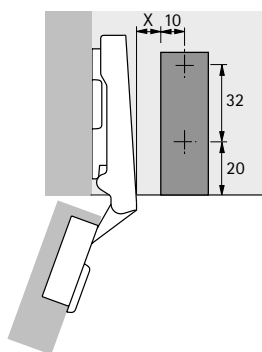
Door mounting option	Order no.	PU
full overlay, overlay, half overlay	0 060 579	50 ea.
inset	0 060 580	50 ea.

Assembly drawing

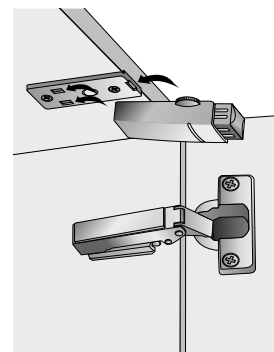
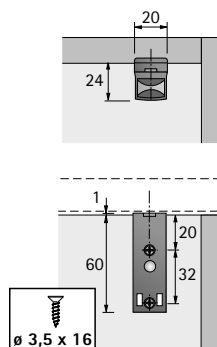
Intermat 9943
Intermat 9936
Intermat 9944



T	X
< 300	1
< 450	9
< 600	15

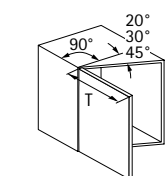


Installation

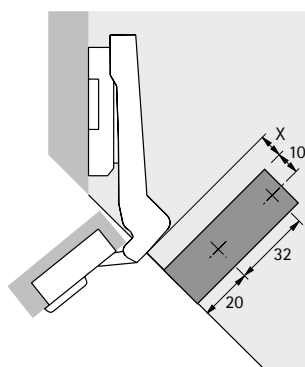


Assembly drawing

Intermat 9936 W20
Intermat 9936 W30
Intermat 9936 W45

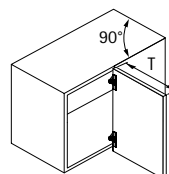


T	X
< 300	1
< 450	9
< 600	15

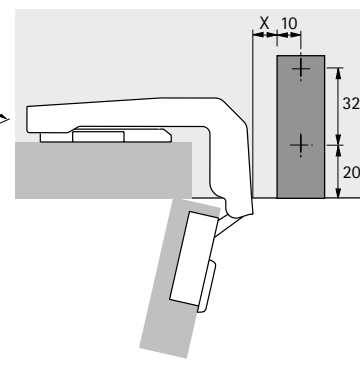


Assembly drawing

Intermat 9936 W90



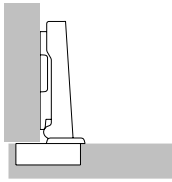
T	X
< 300	1
< 450	9
< 600	15



Technical information

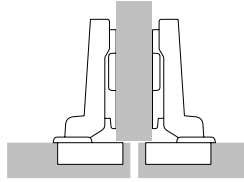
- Intermat
- Fitting information

Full overlay door



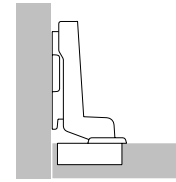
The door is in front of the cabinet side and only a small gap remains at the side within which the door can open reliably. Alternatively, the door can also be fully overlaid. In this case sufficient space must be allowed at the side for the required minimum reveal. Straight hinges are used.

Half overlay door



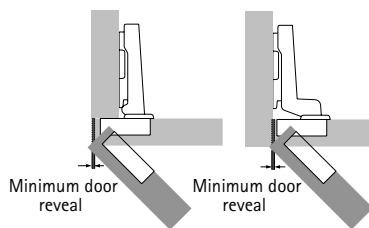
This is where two doors are positioned in front of a cabinet centre panel, with the required overall reveal between them (at least 2 x minimum reveal). In other words, each door has a smaller overlay and cranked hinges are therefore used.

Inset door



The door is positioned inside the cabinet body, i.e. next to the cabinet body 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 mounting plate must be set back by the thickness of the door + 1 mm as well as by any any chosen door offset.

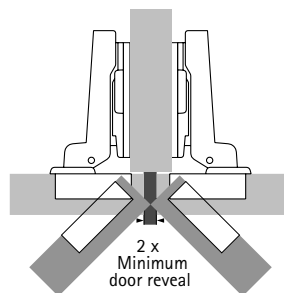
Minimum reveal



For full 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.

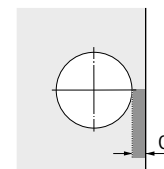
Minimum reveal



For half overlay doors

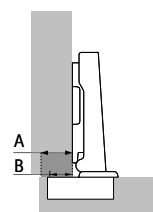
The total reveal selected between the doors must be at least twice the door clearance. Both doors can then be opened at the same time.

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 / Base



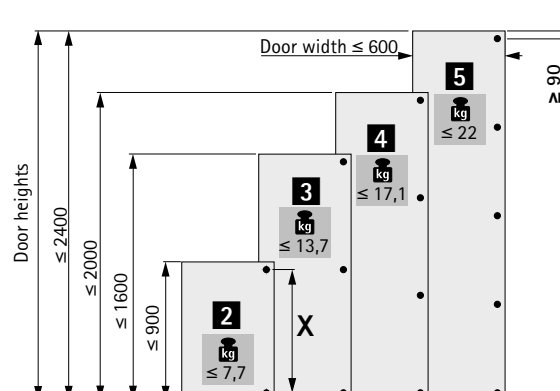
A = Overlay
B = Base

Overlay refers to the projection of the door in front of the cabinet body side. Base refers to the projection of the cup in front of the cabinet body 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 mounting and adjust the number of hinges as necessary. For reasons of stability, space X between the hinges must always be made as large as possible. Distance X must be at least 280 mm.



Technical information

- Intermat
- Fitting information

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 full overlay and half overlay doors

The required distance D can be determined after checking the minimum reveal. Ideally, door overlay and cup distance 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, base B = 12.5 mm

Distance D = Cup distance C + base 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 the inset, allowance is automatically made for the reveal to be designated as the minimum reveal in relation to cup distance C and the door thickness in the minimum reveal table. 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

According to the table, a door thickness = 20 mm and cup distance C = 4.5 mm produce a mounting plate distance of 1.5 mm. This gives the required minimum reveal, for example, of 1 mm. If a reveal of 2.5 mm is preferred instead, select a mounting plate distance which is 1.5 mm larger. In this example, therefore, a distance of 3 mm instead of 1.5 mm.

Example: Working out distances using the calculation formula

Hinge for inset application, base value B = - 4 mm

Distance D = cup distance C + base 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 overlay adjustment of the hinge.

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

Quality criteria

► Concealed hinges

Quality that meets all the demands

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 examples of the principles behind some of the testing processes.

Application

Hettich hinges can be used in living room, kitchen, bathroom and office furniture both in the home and business environment.

Load 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

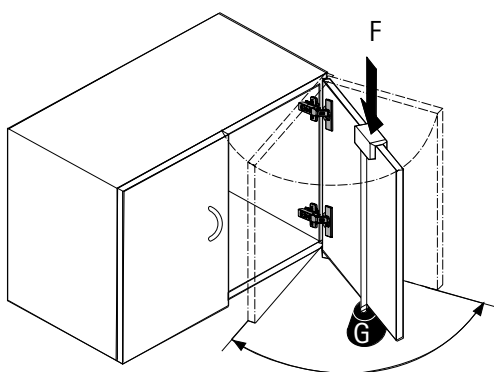
Hettich hinges satisfy the corrosion requirements under EN ISO 9227-2012 in accordance with the 48 h neutral salt spray test (NSS) as well as DIN EN ISO 6270-2-2012 in accordance with the 96 h alternating condensation water climate test with alternating air humidity and temperature (AHT).

Quality assurance

The processes for assuring the quality of Hettich hinges are certified under EN ISO 9001, Cert. No. DE8000209.

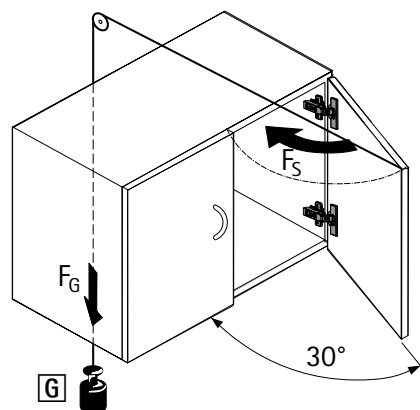
Endurance test

The door is subjected to a specific number of opening and closing cycles.



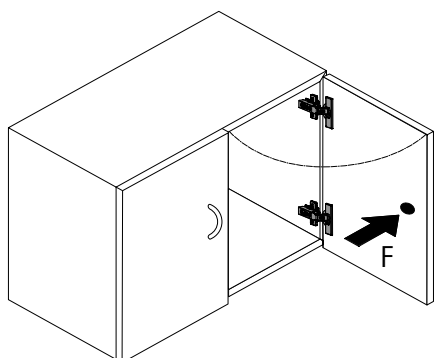
Closing test

The door is opened by 30° and pushed closed from this position by means of a pulley and falling weight.



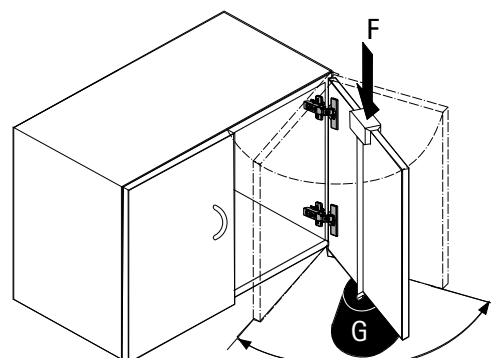
Horizontal test

The door is over opened with a defined test force F. (This test only applies to hinges with an opening angle < 135°.)



Vertical test

The door is subjected to a specific number of opening and closing cycles under a defined additional load G.



Single pivot fast assembly concealed hinge with visible knuckle

► Selektä Pro 2000



Making way at the workplace

You are familiar with Selektä as a hinge that has been tried and proven millions of times in office furniture. But Selektä can do much more: it comes with the best qualifications for use in hospitals, doctors' surgeries, schools etc.

Selektä provides a competent solution for virtually any mounting situation. Whether for individual pieces or furniture lines. A comprehensive range of hinges and perfected accessory items make Selektä so versatile.



Finding things quicker:
unobstructed view of the cabinet's entire contents.



Working in peace and quiet:
the optional Silent System makes furniture doors whisper quiet.



Customising:
For a professional image we can also print your logo on the hinge's cover cap.



Installing the more efficient way:
With fast, tool-less clip on installation.



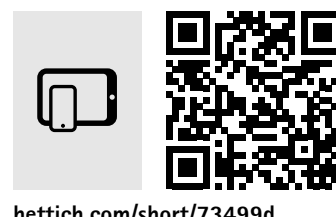
Lasting customer satisfaction:
3rd screw in the oblong hole for maximum stability ex factory.



For perfect reveal alignment:
convenient direct adjustment.



Coping with elevated demands on corrosion:
Selektä with additional surface coating.



hettich.com/short/73499d

Find out more:
You can get inspiration and further product details on our website.

Concealed hinges

- ▶ Single pivot fast assembly concealed hinge with knuckle
- ▶ Summary



Seleкта Pro 2000

System description	102 - 103
Range summary / technical comparison	104 - 105
Summary	106 - 107

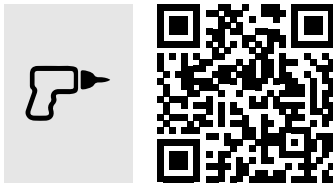


Accessories	130 - 133
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Technical information

▶ Fitting information	134
▶ Installation notes	135 - 136
▶ Quality criteria	137



Hettich Technical Assistant

- ▶ Installation
- ▶ Adjustment
- ▶ Service

hettich.com/short/809294

Single pivot fast assembly concealed hinge with knuckle

► System description

Selekta Pro 2000



- Main product in a comprehensive lineup for various door mounting situations
- Time saving, tool-less clip on installation of basic hinge and hinge cup
- Easy height adjustment and overlay adjustment by eccentric cam
- The most common product options are also available with an attractive black surface finish: for use in areas with exacting demands on corrosion protection, e.g. in fitting out laboratories.

Selekta Pro 2035



- Exclusive, designer style solution with concealed knuckle: comes with the benefits of a single pivot hinge yet hardly visible on the outside
- Time saving, tool-less clip on installation for basic hinge and hinge cup
- Easy height adjustment by eccentric cam

Save costs by keeping inventory lean!

Hinge = cup + base hinge



You only need a few combinable components from the cleverly configured Selekta system. This simplifies work flows and keeps your inventory lean.

And yet you can still meet your customers' specific preferences.

Selekta is system based: always the right hinge!



The Selekta line-up provides numerous options even at basic hinge level. In the Selekta system you will find the right solution for the most common material thicknesses, construction principles and door mounting styles. Various attachment methods, different hole spacings ... always the ideal hinge for your process.

Selekta hinge cups: always the right choice!



Uncomplicated in production and undemanding in stock keeping because: the same cup can always be used for different mounting styles!

And just like the basic hinges, the hinge cups adapt to your production because they are available with various hole patterns and

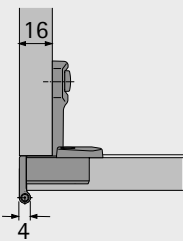
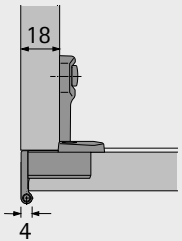
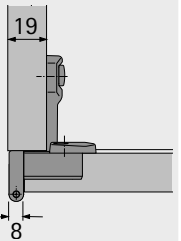
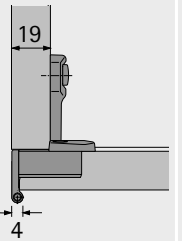
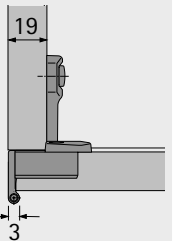
attachment methods and can also be combined in a variety of ways with the different versions of the basic hinges.

Single pivot fast assembly concealed hinge with knuckle

- System description
- Selekt Pro 2000

Design principle for cabinet body constructions

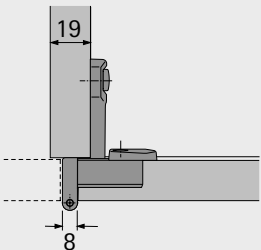
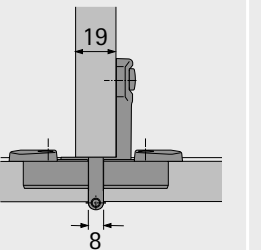
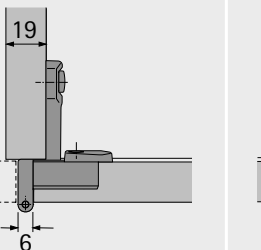
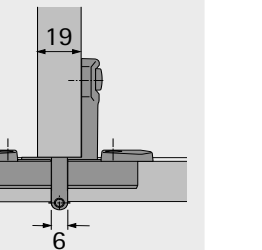
Corner hinges for various side panel thicknesses with knuckle flush with the cabinet body edge

Thick cabinet body side	16 mm	18 mm	19 mm	19 mm	19 mm
Reveal	4 mm	4 mm	8 mm *	4 mm	3 mm
Hinge for overlay	12 mm	14 mm	11 mm	15 mm	16 mm
Roller	Cranked, ø 5.4 mm	Cranked, ø 5.4 mm	straight, ø 7 mm	Cranked, ø 5.4 mm	Cranked, ø 5.4 mm
Drawing					

* matches corner and twin hinge for 5.5 mm overlay (see below)

Design principle for wall to wall constructions

Corner and twin hinges with knuckle centred in front of the cabinet body side

Thick cabinet body side	19 mm	19 mm	19 mm	19 mm
Reveal	8 mm	8 mm	6 mm	6 mm
Hinge for overlay	5.5 mm	5.5 mm twin	6.5 mm	6.5 mm twin
Roller	straight, ø 7 mm	straight, ø 7 mm	straight, ø 5.4 mm	straight, ø 5.4 mm
Drawing				

Single pivot fast assembly concealed hinge with knuckle

► Selektta

► Range summary / technical comparison

	Selektta Pro 2000	Selektta Pro 2000 twin hinge	Selektta Pro 2000 E
			
Page	108 - 119	120 - 123	124 - 127
Description	► Corner hinge for overlay and half overlay doors ► With visible knuckle ► With / without stay closed function	► Twin hinge for half overlay doors ► With visible knuckle ► With / without stay closed function	► Corner hinge for inset doors ► With visible knuckle ► With / without stay closed function
Installation	Clip on installation	Clip on installation	Clip on installation
Opening angle	Up to 270°	Up to 180°	Up to 180°
Door overlay	5.5 mm / 6.5 mm / 11 mm / 12 mm / 14 mm / 15 mm / 16 mm	5.5 mm / 6.5 mm	Reveal 3.2 mm
Hole line boring spacing	32 mm	32 mm	32 mm
Colour	► nickel plated ► black	► nickel plated	► nickel plated
Attachment Base hinge	► With premounted expanding sockets and fixing screws ► For screwing on with Euro screws	► With premounted expanding sockets and fixing screws ► For screwing on with Euro screws	► With premounted expanding sockets and fixing screws ► For screwing on with Euro screws
Hinge cup mounting	► For screwing on ► For pressing in	► For screwing on ► For pressing in	► For screwing on ► For pressing in
Door adjustment	2-dimensional	2-dimensional	2-dimensional
Optional equipment	► Silent System ► Decorative cap for glass door application ► Opening angle limiter ► Garment guard ► Finger guard ► Cover cap	► Silent System ► Decorative cap for glass door application ► Cover cap	► Silent System ► Decorative cap for glass door application ► Opening angle limiter ► Cover cap

Single pivot fast assembly concealed hinge with knuckle

- ▶ **Selekta**
- ▶ **Range summary / technical comparison**

Selekta Pro 2035



128 - 129

- ▶ Corner hinge for inset doors
- ▶ With concealed knuckle
- ▶ With stay closed function

Clip on installation

Up to 115°

15 mm

32 mm

- ▶ nickel plated

- ▶ With premounted expanding sockets and fixing screws
- ▶ For screwing on with Euro screws

- ▶ For screwing on
- ▶ For pressing in

2-dimensional

- ▶ Silent System
- ▶ Decorative cap for glass door application
- ▶ Cover cap

Single pivot fast installation concealed hinge with knuckle

- **Selekta**
- **Summary**

Selekta Pro 2000 base hinges

- Attachment with expanding sockets and premounted screws
- Screw on attachment with Euro screws

Overlay	Hole spacing	Attachment	Stay closed function	Colour	Order no. PU 100 ea. / 200 ea.	Order no. PU 50 ea.	Page
A5.5	32	for screwing on	with	nickel plated	9 037 895 / 200 ea.	-	108
A5.5	32	Expanding sockets	with	nickel plated	9 037 900 / 200 ea.	0 045 066	108, 110
A5.5	32	Expanding sockets	without	nickel plated	-	0 045 058	110
A5.5 twin hinge	32	for screwing on	with	nickel plated	9 037 912 / 100 ea.	-	110
A5.5 twin hinge	32	Expanding sockets	with	nickel plated	9 037 915 / 100 ea.	0 045 067	110, 112
A5.5 twin hinge	32	Expanding sockets	without	nickel plated	-	0 045 059	112
A6.5	32	for screwing on	with	nickel plated	9 037 246 / 200 ea.	-	108
A6.5	32	Expanding sockets	with	nickel plated	9 037 248 / 200 ea.	0 045 048	108, 110
A6.5	32	Expanding sockets	without	nickel plated	-	0 045 054	110
A6.5 twin hinge	32	for screwing on	with	nickel plated	9 037 263 / 100 ea.	-	110
A6.5 twin hinge	32	Expanding sockets	with	nickel plated	9 037 265 / 100 ea.	0 045 063	110, 112
A6.5 twin hinge	32	Expanding sockets	without	nickel plated	-	0 045 055	112
A11	32	for screwing on	with	nickel plated	9 037 906 / 200 ea.	-	108
A11	32	Expanding sockets	with	nickel plated	9 037 909 / 200 ea.	0 045 065	108, 110
A11	32	Expanding sockets	without	nickel plated	-	0 045 057	110
A12 (for 16 mm door)	32	for screwing on	with	nickel plated	9 022 298 / 200 ea.	-	110
A12 (for 16 mm door)	32	Expanding sockets	with	nickel plated	9 022 302 / 200 ea.	0 045 046	110, 112
A12 (for 16 mm door)	32	Expanding sockets	without	nickel plated	-	0 045 052	112
A12 (for 19 mm door)	32	for screwing on	with	nickel plated	9 022 307 / 200 ea.	-	102
A12 (for 19 mm door)	32	Expanding sockets	with	nickel plated	9 022 311 / 200 ea.	0 045 047	102, 104
A12 (for 19 mm door)	32	Expanding sockets	without	nickel plated	-	0 045 053	104
A14	32	for screwing on	with	nickel plated	9 040 651 / 200 ea.	-	102
A14	32	Expanding sockets	with	nickel plated	9 040 636 / 200 ea.	-	102
A15	32	for screwing on	with	nickel plated	9 022 299 / 200 ea.	-	102
A15	32	Expanding sockets	with	nickel plated	9 022 308 / 200 ea.	0 045 044	102, 104
A15	32	Expanding sockets	without	nickel plated	-	0 045 049	104
A15	32	for screwing on	with	black coated	9 039 309 / 200 ea.	-	102
A15	32	Expanding sockets	with	black coated	9 047 042 / 200 ea.	9 072 547	102

Single pivot fast installation concealed hinge with knuckle

- **Selekta**
- **Summary**

Selekta Pro 2000 base hinges

- Attachment with expanding sockets and premounted screws
- Screw on attachment with Euro screws

Overlay	Hole spacing	Attachment	Stay closed function	Colour	Order no. PU 200 ea.	Order no. PU 50 ea.	Page
A16	32	for screwing on	with	nickel plated	9 022 303	-	102
A16	32	Expanding sockets	with	nickel plated	9 022 312	0 045 045	102, 104
A16	32	Expanding sockets	without	nickel plated	-	0 045 051	104
inset	32	for screwing on	with	nickel plated	9 037 251	-	114
inset	32	Expanding sockets	with	nickel plated	9 037 256	0 045 064	114, 116
inset	32	Expanding sockets	without	nickel plated	-	0 045 056	116

Selekta Pro 2035 base hinges

- Attachment with expanding sockets and premounted screws
- Screw on attachment with Euro screws

Overlay	Hole spacing	Attachment	Stay closed function	Colour	Order no. PU 200 ea.	Order no. PU 50 ea.	Page
A15	32	for screwing on	with	nickel plated	9 037 323	-	118
A15	32	Expanding sockets	with	nickel plated	9 037 328	-	118

Cups for Selekta Pro 2000 and Selekta Pro 2035

Drilling pattern	Hole spacing	Mounting	Colour	Order no. PU 200 ea.	Order no. PU 50 ea.	Page
TH 32	52 x 5.5	for screwing on	nickel plated	1 083 438	0 077 734	-*
TH 33	52 x 5.5	for pressing in	nickel plated	1 080 574	0 077 735	-*
TX 32 / 52 x 9	52 x 9	for screwing on	nickel plated	1 078 866	0 077 736	-*
TX 33 / 52 x 9	52 x 9	for pressing in	nickel plated	1 075 604	0 077 887	-*
TX 32 / 52 x 9	52 x 9	for screwing on	black coated	9 039 609	9 072 543	-*
TX 33 / 52 x 9	52 x 9	for pressing in	black coated	9 039 618	9 072 544	-*
TB 32	45 x 9.5	for screwing on	nickel plated	1 083 439	0 010 074	-*
TB 33	45 x 9.5	for pressing in	nickel plated	1 080 575	0 077 942	-*
TB 32	45 x 9.5	for screwing on	black coated	9 020 471	9 072 545	-*
TB 33	45 x 9.5	for pressing in	black coated	9 040 012	9 072 546	-*

* The cups that can be combined with the chosen hinge are shown on the hinge product pages.

Single pivot fast assembly concealed hinge with visible knuckle

► Selektä Pro 2000 / 200 ea.

► For System 32



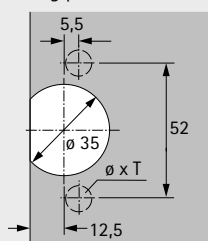
- Single pivot hinge with clip on installation and visible knuckle
- Quality grades to EN 15570, Level 3
- For office, organisational and contract furniture
- Separate installation of cup and base hinge
- Fast clip on installation
- Knuckle length 39 mm, see drawings below for knuckle diameter
- Cup diameter 35 mm
- Cup depth 13 mm
- Integrated eccentric cam overlay adjustment – 2 mm
- Integrated eccentric cam height adjustment + 2 mm / – 2 mm
- Die-cast zinc, nickel plated

Selektä Pro 2000



Hinge = cup + base hinge

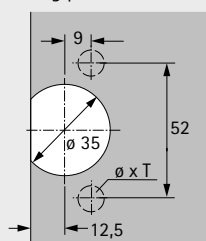
Drilling pattern 52 x 5.5 mm



For screwing on
TH 32

For pressing in
TH 33

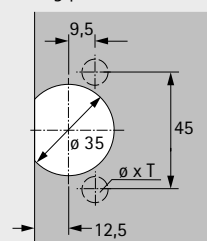
Drilling pattern 52 x 9 mm



For screwing on
TX 32 / 52 x 9

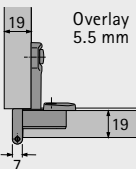
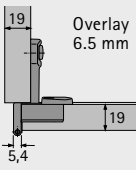
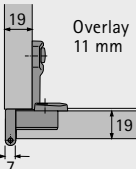
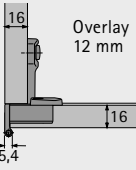
For pressing in
TX 33 / 52 x 9

Drilling pattern 45 x 9.5 mm



For screwing on
TB 32

For pressing in
TB 33

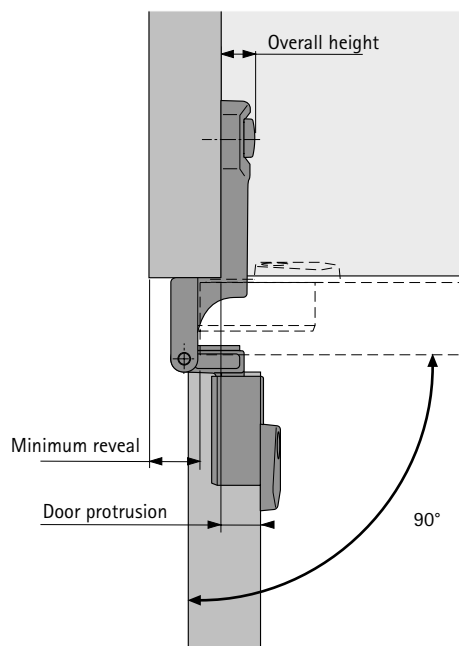
Overlay mm	Mounting drilling	Stay closed function	Article	Ø x T -	Ø x T Ø 10 x 11	Ø x T -	Ø x T Ø 10 x 11	Ø x T -	Ø x T Ø 10 x 11	PU
			Cup	1 083 438	1 080 574	1 078 866	1 075 604	1 083 439	1 080 575	200 ea.
	Expanding sockets Ø 5 x 11 drilling	with	Base hinge	9 037 900	9 037 900	9 037 900	9 037 900	9 037 900	9 037 900	200 ea.
			Cup	1 083 438	1 080 574	1 078 866	1 075 604	1 083 439	1 080 575	200 ea.
	For screwing on Ø 5 x 11 drilling	with	Base hinge	9 037 895	9 037 895	9 037 895	9 037 895	9 037 895	9 037 895	200 ea.
			Cup	1 083 438	1 080 574	1 078 866	1 075 604	1 083 439	1 080 575	200 ea.
	Expanding sockets Ø 5 x 11 drilling	with	Base hinge	9 037 248	9 037 248	9 037 248	9 037 248	9 037 248	9 037 248	200 ea.
			Cup	1 083 438	1 080 574	1 078 866	1 075 604	1 083 439	1 080 575	200 ea.
	For screwing on Ø 5 x 11 drilling	with	Base hinge	9 037 246	9 037 246	9 037 246	9 037 246	9 037 246	9 037 246	200 ea.
			Cup	1 083 438	1 080 574	1 078 866	1 075 604	1 083 439	1 080 575	200 ea.
	Expanding sockets Ø 5 x 11 drilling	with	Base hinge	9 037 909	9 037 909	9 037 909	9 037 909	9 037 909	9 037 909	200 ea.
			Cup	1 083 438	1 080 574	1 078 866	1 075 604	1 083 439	1 080 575	200 ea.
	For screwing on Ø 5 x 11 drilling	with	Base hinge	9 037 906	9 037 906	9 037 906	9 037 906	9 037 906	9 037 906	200 ea.
			Cup	1 083 438	1 080 574	1 078 866	1 075 604	1 083 439	1 080 575	200 ea.
	Expanding sockets Ø 5 x 11 drilling	with	Base hinge	9 022 302	9 022 302	9 022 302	9 022 302	9 022 302	9 022 302	200 ea.
			Cup	1 083 438	1 080 574	1 078 866	1 075 604	1 083 439	1 080 575	200 ea.
	For screwing on Ø 5 x 11 drilling	with	Base hinge	9 022 298	9 022 298	9 022 298	9 022 298	9 022 298	9 022 298	200 ea.

Single pivot fast assembly concealed hinge with visible knuckle

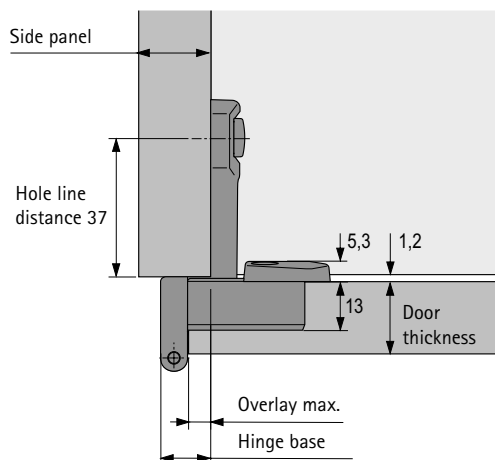
► Selekt Pro 2000 / 200 ea.

► For System 32

Door protrusion and minimum reveal when opened to 90°



Mounting example, closed door



Opening angle and minimum reveal (depending on door and side panel thickness)

Overlay mm	Door thickness mm	Side panel mm						Minimum reveal per door mm (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
 Fitted 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
 Fitted 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
 Fitted 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
 Fitted height: 10 mm
 Door protrusion: 6 mm
 Opening angle for 0 mm door protrusion: 132°

Advice

- Accessories 130 - 133
- Quality criteria, assembly notes and assembly information 134 - 137



hettich.com/short/f5a68e

Single pivot fast assembly concealed hinge with visible knuckle

► Selektä Pro 2000 / 50 ea.

► For System 32



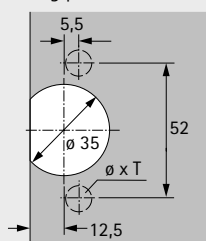
- Single pivot hinge with clip on installation and visible knuckle
- Quality grades to EN 15570, Level 3
- For office, organisational and contract furniture
- Separate installation of cup and base hinge
- Fast clip on installation
- Knuckle length 39 mm, see drawings below for knuckle diameter
- Cup diameter 35 mm
- Cup depth 13 mm
- Integrated eccentric cam overlay adjustment – 2 mm
- Integrated eccentric cam height adjustment + 2 mm / – 2 mm
- Die-cast zinc, nickel plated

Selektä Pro 2000



Hinge = cup + base hinge

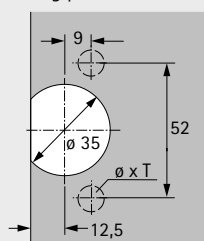
Drilling pattern 52 x 5.5 mm



For screwing on
TH 32

For pressing in
TH 33

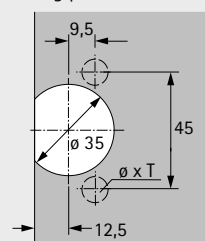
Drilling pattern 52 x 9 mm



For screwing on
TX 32 / 52 x 9

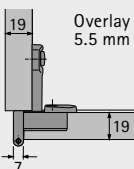
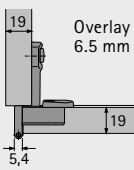
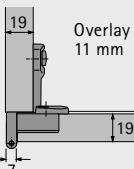
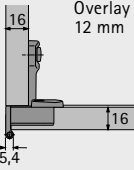
For pressing in
TX 33 / 52 x 9

Drilling pattern 45 x 9.5 mm



For screwing on
TB 32

For pressing in
TB 33

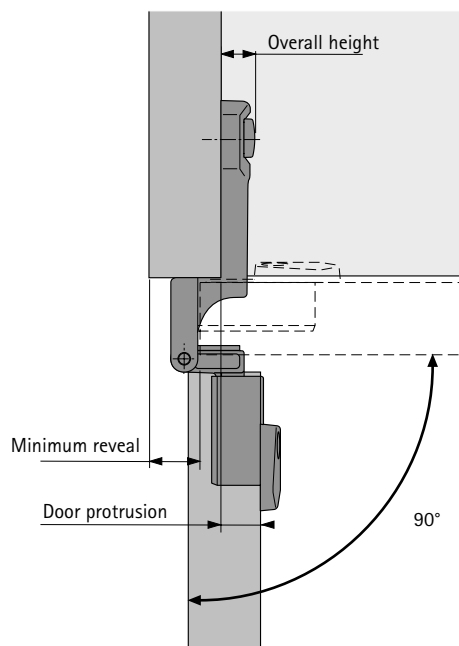
Overlay mm	Mounting drilling	Stay closed function	Article	ø x T -	ø x T ø 10 x 11	ø x T -	ø x T ø 10 x 11	ø x T -	ø x T ø 8 x 11	PU
 Overlay 5.5 mm			Cup	0 077 734	0 077 735	0 077 736	0 077 887	0 010 074	0 077 942	50 ea.
	Expanding sockets ø 5 x 11 drilling	with	Base hinge	0 045 066	0 045 066	0 045 066	0 045 066	0 045 066	0 045 066	50 ea.
			Cup	0 077 734	0 077 735	0 077 736	0 077 887	0 010 074	0 077 942	50 ea.
	Expanding sockets ø 5 x 11 drilling	without	Base hinge	0 045 058	0 045 058	0 045 058	0 045 058	0 045 058	0 045 058	50 ea.
 Overlay 6.5 mm			Cup	0 077 734	0 077 735	0 077 736	0 077 887	0 010 074	0 077 942	50 ea.
	Expanding sockets ø 5 x 11 drilling	with	Base hinge	0 045 048	0 045 048	0 045 048	0 045 048	0 045 048	0 045 048	50 ea.
			Cup	0 077 734	0 077 735	0 077 736	0 077 887	0 010 074	0 077 942	50 ea.
	Expanding sockets ø 5 x 11 drilling	without	Base hinge	0 045 054	0 045 054	0 045 054	0 045 054	0 045 054	0 045 054	50 ea.
 Overlay 11 mm			Cup	0 077 734	0 077 735	0 077 736	0 077 887	0 010 074	0 077 942	50 ea.
	Expanding sockets ø 5 x 11 drilling	with	Base hinge	0 045 065	0 045 065	0 045 065	0 045 065	0 045 065	0 045 065	50 ea.
			Cup	0 077 734	0 077 735	0 077 736	0 077 887	0 010 074	0 077 942	50 ea.
	Expanding sockets ø 5 x 11 drilling	without	Base hinge	0 045 057	0 045 057	0 045 057	0 045 057	0 045 057	0 045 057	50 ea.
 Overlay 12 mm			Cup	0 077 734	0 077 735	0 077 736	0 077 887	0 010 074	0 077 942	50 ea.
	Expanding sockets ø 5 x 11 drilling	with	Base hinge	0 045 046	0 045 046	0 045 046	0 045 046	0 045 046	0 045 046	50 ea.
			Cup	0 077 734	0 077 735	0 077 736	0 077 887	0 010 074	0 077 942	50 ea.
	Expanding sockets ø 5 x 11 drilling	without	Base hinge	0 045 052	0 045 052	0 045 052	0 045 052	0 045 052	0 045 052	50 ea.

Single pivot fast assembly concealed hinge with visible knuckle

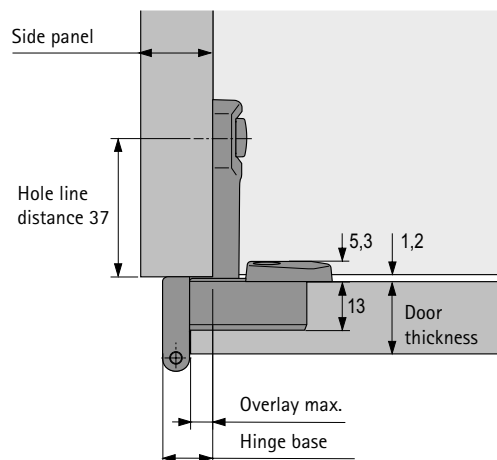
► Selekt Pro 2000 / 50 ea.

► For System 32

Door protrusion and minimum reveal when opened to 90°



Mounting example, closed door



Opening angle and minimum reveal (depending on door and side panel thickness)

Overlay mm	Door thickness mm	Side panel mm						Minimum reveal per door mm (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
 Fitted 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
 Fitted 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
 Fitted 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
 Fitted height: 10 mm
 Door protrusion: 6 mm
 Opening angle for 0 mm door protrusion: 132°

Advice

- Accessories 130 - 133
- Quality criteria, assembly notes and assembly information 134 - 137



hettich.com/short/f5a68e

Single pivot fast assembly concealed hinge with visible knuckle

► Selektä Pro 2000 / 200 ea.

► For System 32



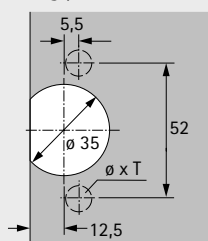
- Single pivot hinge with clip on installation and visible knuckle
- Quality grades to EN 15570, Level 3
- For office, organisational and contract furniture
- Separate installation of cup and base hinge
- Fast clip on installation
- Knuckle length 39 mm, see drawings below for knuckle diameter
- Cup diameter 35 mm
- Cup depth 13 mm
- Integrated eccentric cam overlay adjustment – 2 mm
- Integrated eccentric cam height adjustment + 2 mm / – 2 mm
- Die-cast zinc, nickel plated

Selektä Pro 2000

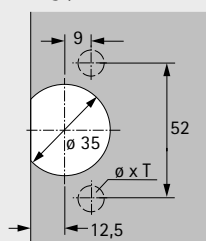


Hinge = cup + base hinge

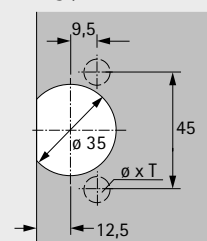
Drilling pattern 52 x 5.5 mm

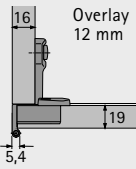
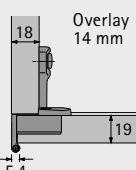
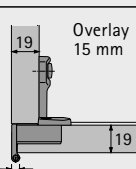
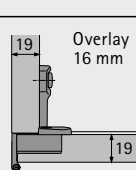


Drilling pattern 52 x 9 mm



Drilling pattern 45 x 9.5 mm



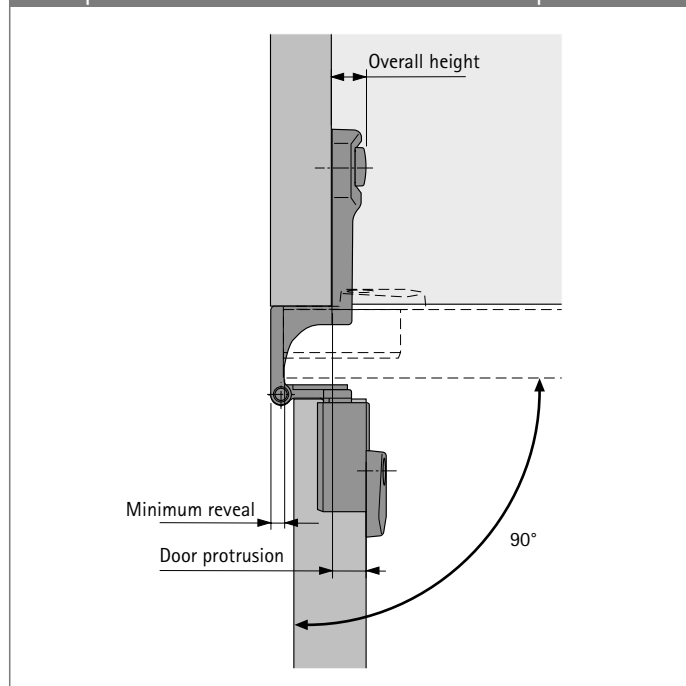
Overlay mm	Mounting drilling	Stay closed function	Article	For screwing on TH 32 Ø x T -	For pressing in TH 33 Ø x T Ø 10 x 11	For screwing on TX 32 / 52 x 9 Ø x T -	For pressing in TX33 / 52 x 9 Ø x T Ø 10 x 11	For screwing on TB 32 Ø x T -	For pressing in TB 33 Ø x T Ø 8 x 11	PU
 12 mm Overlay 12 mm			Cup	1 083 438	1 080 574	1 078 866	1 075 604	1 083 439	1 080 575	200 ea.
	Expanding sockets Ø 5 x 11 drilling	with	Base hinge	9 022 311	9 022 311	9 022 311	9 022 311	9 022 311	9 022 311	200 ea.
			Cup	1 083 438	1 080 574	1 078 866	1 075 604	1 083 439	1 080 575	200 ea.
	For screwing on Ø 5 x 11 drilling	with	Base hinge	9 022 307	9 022 307	9 022 307	9 022 307	9 022 307	9 022 307	200 ea.
 14 mm Overlay 14 mm			Cup			1 078 866	1 075 604	1 083 439	1 080 575	200 ea.
	Expanding sockets Ø 5 x 11 drilling	with	Base hinge			9 040 636	9 040 636	9 040 636	9 040 636	200 ea.
			Cup			1 078 866	1 075 604	1 083 439	1 080 575	200 ea.
	For screwing on Ø 5 x 11 drilling	with	Base hinge			9 040 651	9 040 651	9 040 651	9 040 651	200 ea.
 15 mm Overlay 15 mm			Cup			1 078 866	1 075 604	1 083 439	1 080 575	200 ea.
	Expanding sockets Ø 5 x 11 drilling	with	Base hinge			9 022 308	9 022 308	9 022 308	9 022 308	200 ea.
			Cup			1 078 866	1 075 604	1 083 439	1 080 575	200 ea.
	For screwing on Ø 5 x 11 drilling	with	Base hinge			9 022 299	9 022 299	9 022 299	9 022 299	200 ea.
 16 mm Overlay 16 mm			Cup			1 078 866	1 075 604	1 083 439	1 080 575	200 ea.
	Expanding sockets Ø 5 x 11 drilling	with	Base hinge			9 022 312	9 022 312	9 022 312	9 022 312	200 ea.
			Cup			1 078 866	1 075 604	1 083 439	1 080 575	200 ea.
	For screwing on Ø 5 x 11 drilling	with	Base hinge			9 022 303	9 022 303	9 022 303	9 022 303	200 ea.

Single pivot fast assembly concealed hinge with visible knuckle

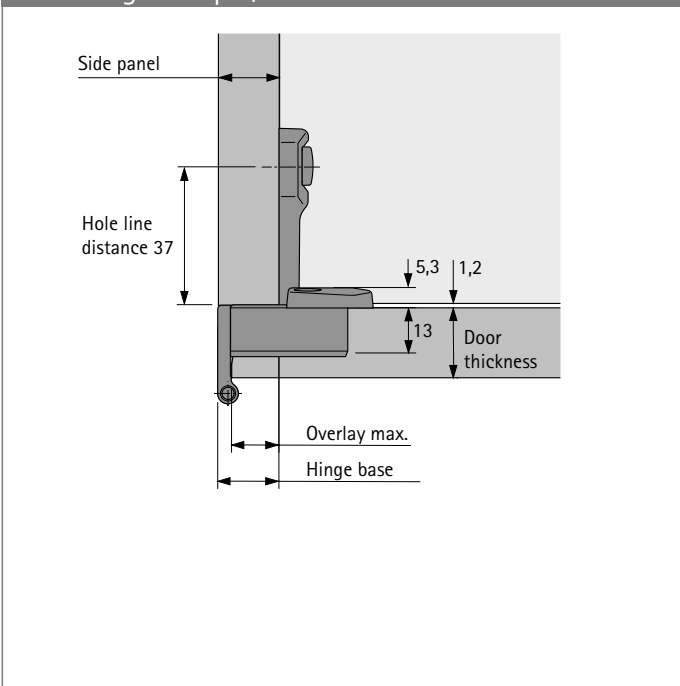
► Selekt Pro 2000 / 200 ea.

► For System 32

Door protrusion and minimum reveal when opened to 90°



Mounting example, closed door



Opening angle and minimum reveal (depending on door and side panel thickness)

Overlay mm	Door thickness mm	Side panel mm						Minimum reveal per door mm (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							

Max. overlay: 12 mm
 Min. overlay: 10 mm (adjustment)
 Hinge base: 16 mm
 Fitted height: 10 mm
 Door protrusion: 9 mm
 Opening angle for 0 mm door protrusion: 140°

14	15		272°	272°	270°	264°	4.0
	16		272°	271°	269°	261°	4.0
	18		270°	270°	264°	257°	4.0
	19		270°	269°	261°	255°	4.0
	22						
	25						

Max. overlay: 14 mm
 Min. overlay: 12 mm (adjustment)
 Hinge base: 18 mm
 Fitted height: 10 mm
 Door protrusion: 7 mm
 Opening angle for 0 mm door protrusion: 133°

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							

Max. overlay: 15 mm
 Min. overlay: 13 mm (adjustment)
 Hinge base: 19 mm
 Fitted height: 10 mm
 Door protrusion: 6 mm
 Opening angle for 0 mm door protrusion: 129°

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: 16 mm
 Min. overlay: 14 mm (adjustment)
 Hinge base: 19 mm
 Fitted height: 10 mm
 Door protrusion: 6 mm
 Opening angle for 0 mm door protrusion: 132°

Advice

- Accessories 130 - 133
- Quality criteria, assembly notes and assembly information 134 - 137



hettich.com/short/f5a68e

Single pivot fast assembly concealed hinge with visible knuckle

► Selektä Pro 2000 / 50 ea.

► For System 32



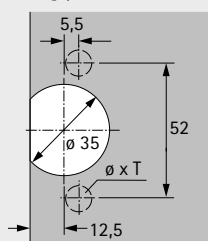
- Single pivot hinge with clip on installation and visible knuckle
- Quality grades to EN 15570, Level 3
- For office, organisational and contract furniture
- Separate installation of cup and base hinge
- Fast clip on installation
- Knuckle length 39 mm, see drawings below for knuckle diameter
- Cup diameter 35 mm
- Cup depth 13 mm
- Integrated eccentric cam overlay adjustment – 2 mm
- Integrated eccentric cam height adjustment + 2 mm / – 2 mm
- Die-cast zinc, nickel plated

Selektä Pro 2000

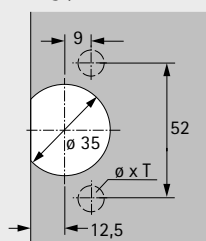


Hinge = cup + base hinge

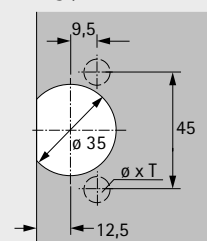
Drilling pattern 52 x 5.5 mm

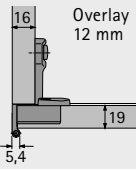
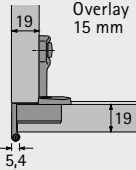
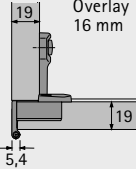


Drilling pattern 52 x 9 mm



Drilling pattern 45 x 9.5 mm



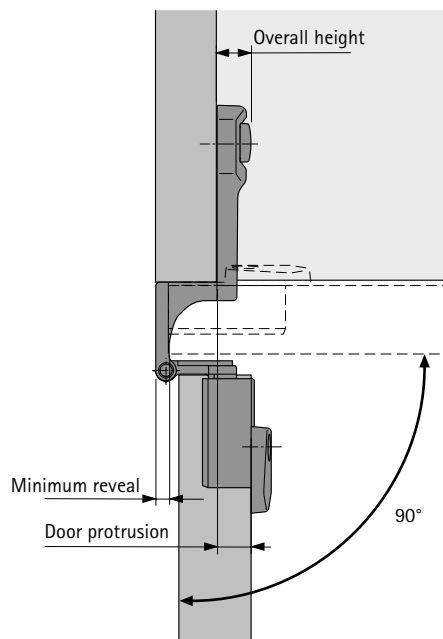
Overlay mm	Mounting drilling	Stay closed function	Article	For screwing on TH 32 Ø x T -	For pressing in TH 33 Ø x T Ø 10 x 11	For screwing on TX 32 / 52 x 9 Ø x T -	For pressing in TX 33 / 52 x 9 Ø x T Ø 10 x 11	For screwing on TB 32 Ø x T -	For pressing in TB 33 Ø x T Ø 8 x 11	PU
 16 mm Overlay 12 mm			Cup	0 077 734	0 077 735	0 077 736	0 077 887	0 010 074	0 077 942	50 ea.
	Expanding sockets Ø 5 x 11 drilling	with	Base hinge	0 045 047	0 045 047	0 045 047	0 045 047	0 045 047	0 045 047	50 ea.
			Cup	0 077 734	0 077 735	0 077 736	0 077 887	0 010 074	0 077 942	50 ea.
	Expanding sockets Ø 5 x 11 drilling	without	Base hinge	0 045 053	0 045 053	0 045 053	0 045 053	0 045 053	0 045 053	50 ea.
 19 mm Overlay 15 mm			Cup			0 077 736	0 077 887	0 010 074	0 077 942	50 ea.
	Expanding sockets Ø 5 x 11 drilling	with	Base hinge			0 045 044	0 045 044	0 045 044	0 045 044	50 ea.
			Cup			0 077 736	0 077 887	0 010 074	0 077 942	50 ea.
	Expanding sockets Ø 5 x 11 drilling	without	Base hinge			0 045 049	0 045 049	0 045 049	0 045 049	50 ea.
 19 mm Overlay 16 mm			Cup			0 077 736	0 077 887	0 010 074	0 077 942	50 ea.
	Expanding sockets Ø 5 x 11 drilling	with	Base hinge			0 045 045	0 045 045	0 045 045	0 045 045	50 ea.
			Cup			0 077 736	0 077 887	0 010 074	0 077 942	50 ea.
	Expanding sockets Ø 5 x 11 drilling	without	Base hinge			0 045 051	0 045 051	0 045 051	0 045 051	50 ea.

Single pivot fast assembly concealed hinge with visible knuckle

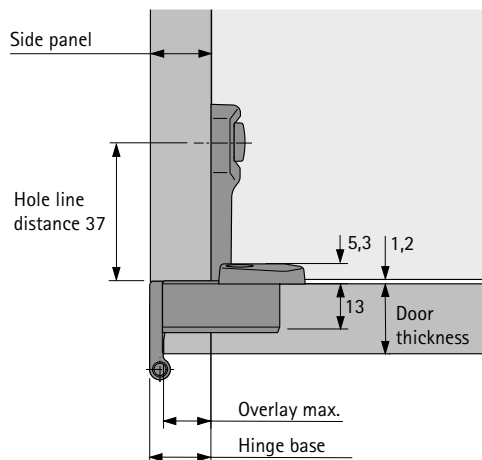
► Selekt Pro 2000 / 50 ea.

► For System 32

Door protrusion and minimum reveal when opened to 90°



Mounting example, closed door



Opening angle and minimum reveal (depending on door and side panel thickness)

Overlay mm	Door thickness mm	Side panel mm						Minimum reveal per door mm (for 90°)
		15	16	18	19	22	25	
12	15		270°	270°	270°	266°	259°	4.0
	16		270°	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				270°	270°	265°	4.0
	16				270°	270°	263°	4.0
	18				270°	265°	258°	4.0
	19				270°	263°	256°	4.0
	22							
	25							
16	15				270°	270°	266°	3.0
	16				270°	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
 Fitted 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
 Fitted 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
 Fitted height: 10 mm
 Door protrusion: 6 mm
 Opening angle for 0 mm door protrusion: 132°

Advice

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- Quality criteria, assembly notes and assembly information 134 - 137



hettich.com/short/ff5a68e

Single pivot fast assembly concealed hinge with visible knuckle

► **Selekta Pro 2000 / 200 ea.**

► **For System 32**



- Single pivot hinge with clip on installation and visible knuckle
- Quality grades to EN 15570, Level 3
- For office, organisational and contract furniture
- Separate installation of cup and base hinge
- Fast clip on installation
- Knuckle length 39 mm, see drawings below for knuckle diameter
- Cup diameter 35 mm
- Cup depth 13 mm
- Integrated eccentric cam overlay adjustment – 2 mm
- Integrated eccentric cam height adjustment + 2 mm / – 2 mm
- Die-cast zinc, coated, black

Selekta Pro 2000



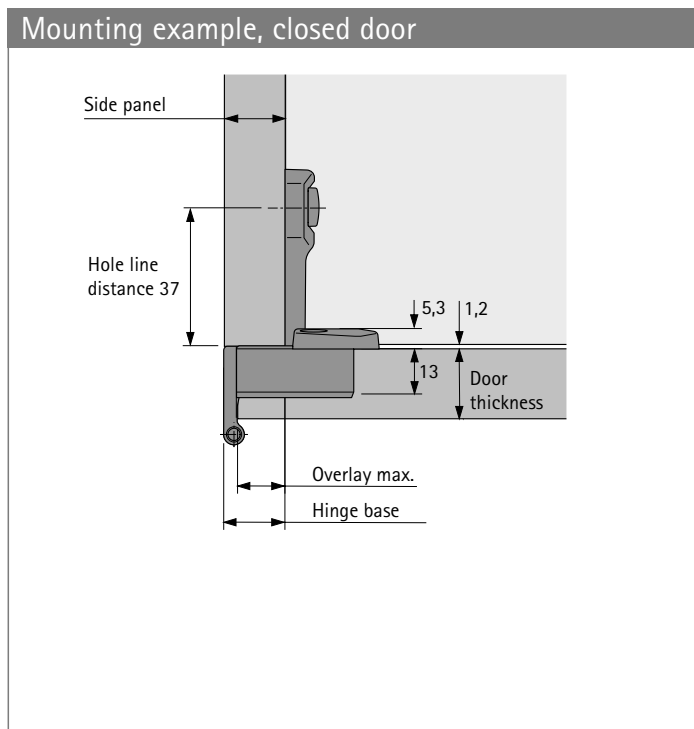
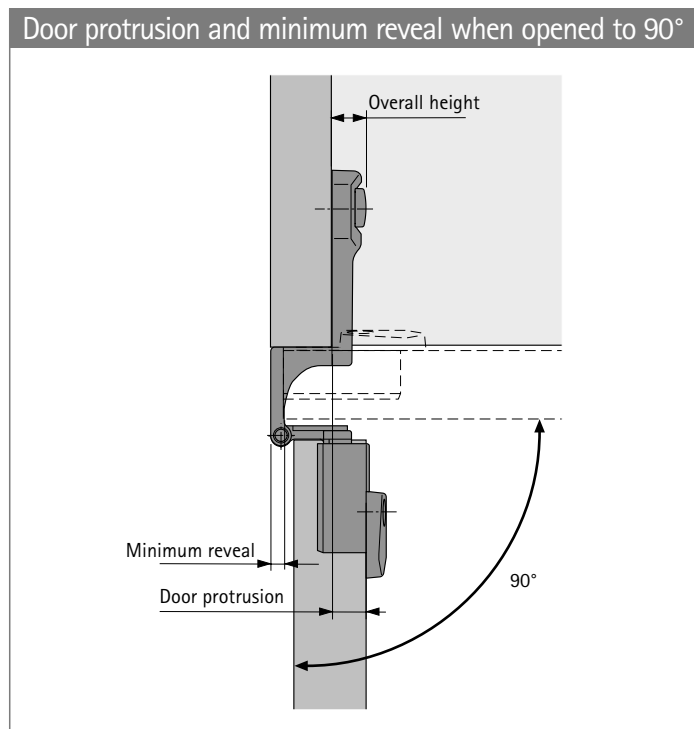
Hinge = cup + base hinge



Drilling pattern 52 x 9 mm		Drilling pattern 45 x 9.5 mm		
For screwing on TX 32 / 52 x 9	For pressing in TX33 / 52 x 9	For screwing on TB 32	For pressing in TB 33	
ø x T -	ø x T ø 10 x 11	ø x T -	ø x T ø 8 x 11	PU
9 039 609	9 039 618	9 020 471	9 040 012	200 ea.
9 047 042	9 047 042	9 047 042	9 047 042	200 ea.
9 039 609	9 039 618	9 020 471	9 040 012	200 ea.
9 039 309	9 039 309	9 039 309	9 039 309	200 ea.

Single pivot fast assembly concealed hinge with visible knuckle

- ▶ Selektta Pro 2000 / 200 ea.
- ▶ For System 32



Opening angle and minimum reveal (depending on door and side panel thickness)

Overlay mm	Door thickness mm	Side panel mm						Minimum reveal per door mm (for 90°)
		15	16	18	19	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							

Max. overlay: 15 mm
 Min. overlay: 13 mm (adjustment)
 Hinge base: 19 mm
 Fitted height: 10 mm
 Door protrusion: 6 mm
 Opening angle for 0 mm door protrusion: 129°

Advice

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hettich.com/short/ff5a68e

Single pivot fast assembly concealed hinge with visible knuckle

- ▶ **Selekta Pro 2000 / 50 ea.**
- ▶ **For System 32**



- ▶ Single pivot hinge with clip on installation and visible knuckle
- ▶ Quality grades to EN 15570, Level 3
- ▶ For office, organisational and contract furniture
- ▶ Separate installation of cup and base hinge
- ▶ Fast clip on installation
- ▶ Knuckle length 39 mm, see drawings below for knuckle diameter
- ▶ Cup diameter 35 mm
- ▶ Cup depth 13 mm
- ▶ Integrated eccentric cam overlay adjustment – 2 mm
- ▶ Integrated eccentric cam height adjustment + 2 mm / – 2 mm
- ▶ Die-cast zinc, coated, black

Selekta Pro 2000



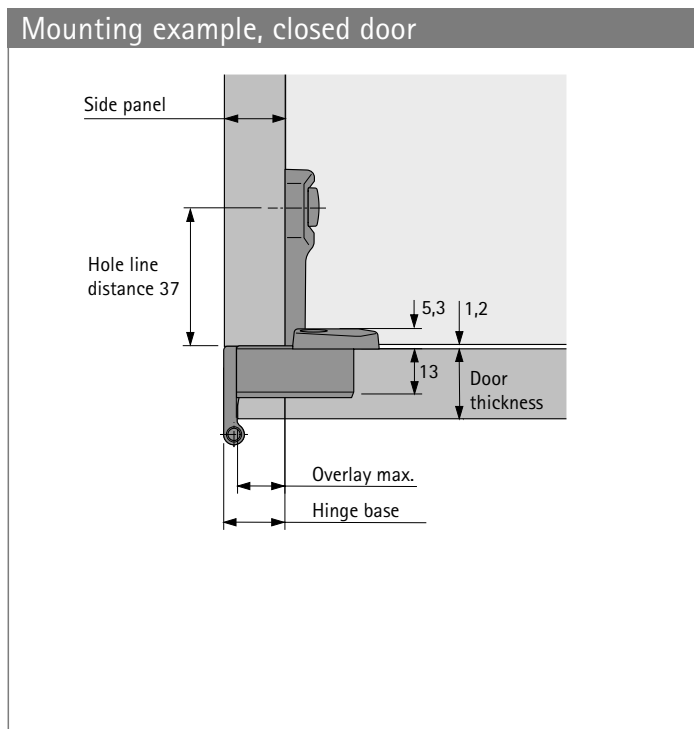
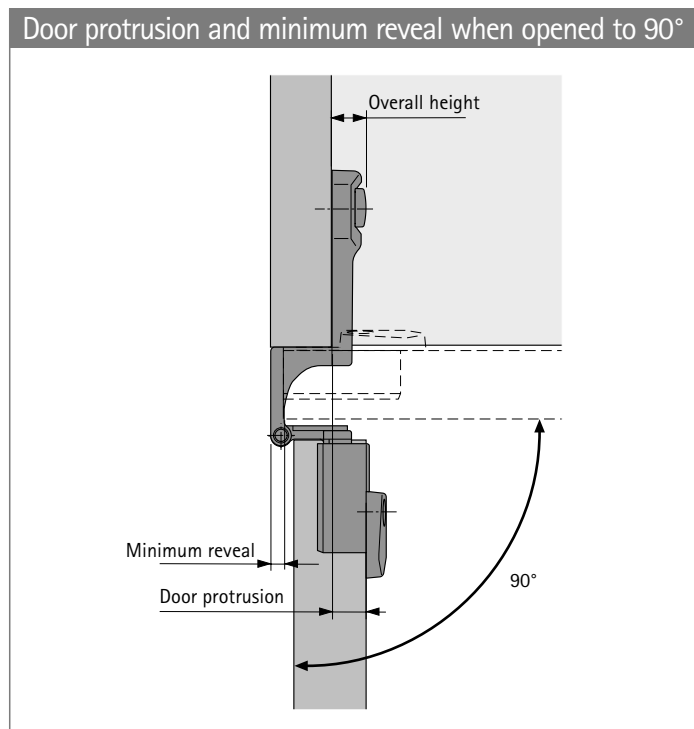
Hinge = cup + base hinge



Overlay mm		Mounting drilling	Stay closed function	Article	Drilling pattern 52 x 9 mm		Drilling pattern 45 x 9.5 mm		PU
					For screwing on TX 32 / 52 x 9	For pressing in TX33 / 52 x 9	For screwing on TB 32	For pressing in TB 33	
				Cup					50 ea.
		Expanding sockets ø 5 x 11 drilling	with	Base hinge					50 ea.

Single pivot fast assembly concealed hinge with visible knuckle

- ▶ Selektta Pro 2000 / 50 ea.
- ▶ For System 32



Opening angle and minimum reveal (depending on door and side panel thickness)

Overlay mm	Door thickness mm	Side panel mm						Minimum reveal per door mm (for 90°)
		15	16	18	19	22	25	
15	15				270°	270°	265°	4.0
	16				270°	270°	263°	4.0
	18				270°	265°	258°	4.0
	19				270°	263°	256°	4.0
	22							
	25							

Max. overlay: 15 mm
 Min. overlay: 13 mm (adjustment)
 Hinge base: 19 mm
 Fitted height: 10 mm
 Door protrusion: 6 mm
 Opening angle for 0 mm door protrusion: 129°

Advice

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hettich.com/short/ff5a68e

Single pivot fast assembly concealed hinge with visible knuckle

- ▶ Selekt Pro 2000 twin hinge / 100 and 200 ea.
- ▶ For System 32



- ▶ Single pivot twin hinge with clip on installation and visible knuckle
- ▶ Quality grades to EN 15570, Level 3
- ▶ For office, organisational and contract furniture
- ▶ Separate installation of cup and base hinge
- ▶ Fast clip on installation
- ▶ Knuckle length 39 mm, see drawings below for knuckle diameter
- ▶ Cup diameter 35 mm
- ▶ Cup depth 13 mm
- ▶ Integrated eccentric cam overlay adjustment – 2 mm
- ▶ Integrated eccentric cam height adjustment + 2 mm / – 2 mm
- ▶ Die-cast zinc, nickel plated

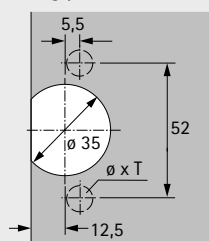
Selekt Pro 2000 twin hinge



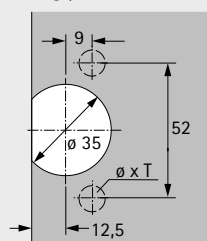
Hinge = 2 cups + base hinge



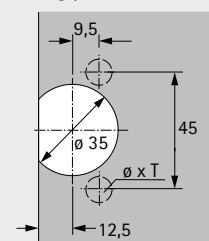
Drilling pattern 52 x 5.5 mm



Drilling pattern 52 x 9 mm



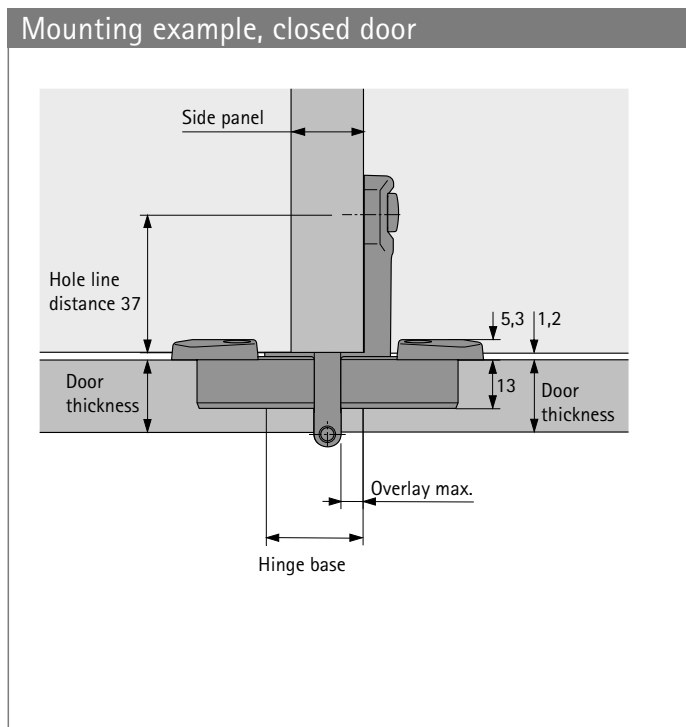
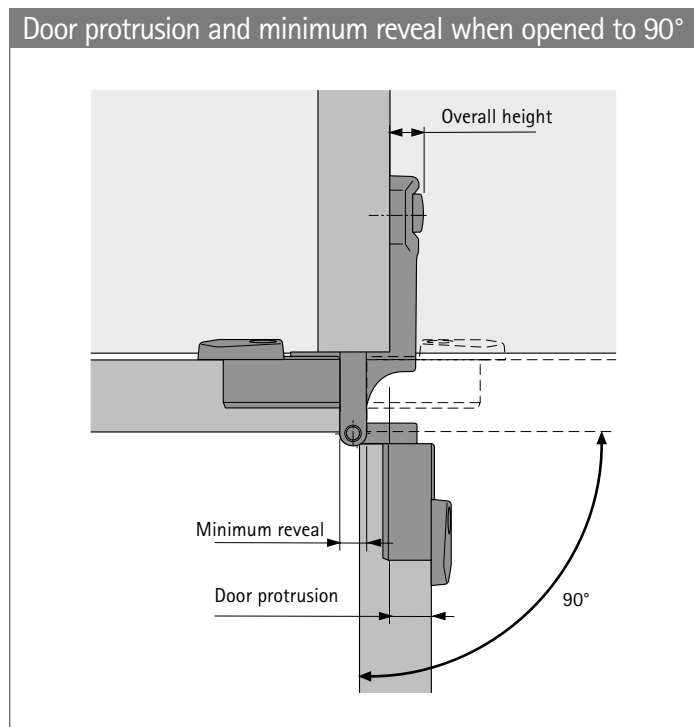
Drilling pattern 45 x 9.5 mm



Overlay mm	Mounting drilling	Stay closed function	Article	For screwing on TH 32 ø x T -	For pressing in TH 33 ø x T ø 10 x 11	For screwing on TX 32 / 52 x 9 ø x T -	For pressing in TX33 / 52 x 9 ø x T ø 10 x 11	For screwing on TB 32 ø x T -	For pressing in TB 33 ø x T ø 8 x 11	PU
Overlay 5.5 mm			Cup	1 083 438	1 080 574	1 078 866	1 075 604	1 083 439	1 080 575	200 ea.
	Expanding sockets ø 5 x 11 drilling	with	Base hinge	9 037 915	9 037 915	9 037 915	9 037 915	9 037 915	9 037 915	100 ea.
			Cup	1 083 438	1 080 574	1 078 866	1 075 604	1 083 439	1 080 575	200 ea.
	For screwing on ø 5 x 11 drilling	with	Base hinge	9 037 912	9 037 912	9 037 912	9 037 912	9 037 912	9 037 912	100 ea.
Overlay 6.5 mm			Cup	1 083 438	1 080 574	1 078 866	1 075 604	1 083 439	1 080 575	200 ea.
	Expanding sockets ø 5 x 11 drilling	with	Base hinge	9 037 265	9 037 265	9 037 265	9 037 265	9 037 265	9 037 265	100 ea.
			Cup	1 083 438	1 080 574	1 078 866	1 075 604	1 083 439	1 080 575	200 ea.
	For screwing on ø 5 x 11 drilling	with	Base hinge	9 037 263	9 037 263	9 037 263	9 037 263	9 037 263	9 037 263	100 ea.

Single pivot fast assembly concealed hinge with visible knuckle

- ▶ Selektta Pro 2000 twin hinge / 100 and 200 ea.
- ▶ For System 32



Opening angle and minimum reveal (depending on door and side panel thickness)

Overlay mm	Door thickness mm	Side panel mm						Minimum reveal per door mm (for 90°)
		15	16	18	19	22	25	
5.5	15	180°	180°	180°	180°	180°	180°	7.5
	16	180°	180°	180°	180°	180°	180°	7.5
	18	180°	180°	180°	180°	180°	180°	7.5
	19	180°	180°	180°	180°	180°	180°	7.5
	22	126°	126°	126°	126°	126°	126°	7.5
	25							
6.5	15	180°	180°	180°	180°	180°	180°	5.7
	16	180°	180°	180°	180°	180°	180°	5.7
	18	180°	180°	180°	180°	180°	180°	5.7
	19	180°	180°	180°	180°	180°	180°	5.7
	22	112°	112°	112°	112°	112°	112°	5.7
	25							

Max. overlay:	5.5 mm
Min. overlay:	3.5 mm (adjustment)
Hinge basis:	26 mm
Fitted 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 basis:	25 mm
Fitted height:	10 mm
Door protrusion:	10.5 mm
Opening angle for 0 mm door protrusion:	143°

Advice

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hettich.com/short/ff5a68e

Single pivot fast assembly concealed hinge with visible knuckle

► Selektä Pro 2000 twin hinge / 50 ea.

► For System 32



- Single pivot hinge with clip on installation and visible knuckle
- Quality grades to EN 15570, Level 3
- For office, organisational and contract furniture
- Separate installation of cup and base hinge
- Fast clip on installation
- Knuckle length 39 mm, see drawings below for knuckle diameter
- Cup diameter 35 mm
- Cup depth 13 mm
- Integrated eccentric cam overlay adjustment – 2 mm
- Integrated eccentric cam height adjustment + 2 mm / – 2 mm
- Die-cast zinc, nickel plated

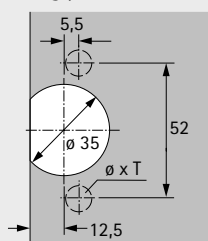
Selektä Pro 2000 twin hinge



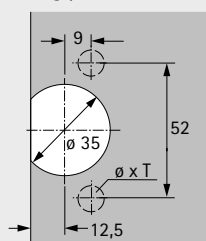
Hinge = 2 cups + base hinge



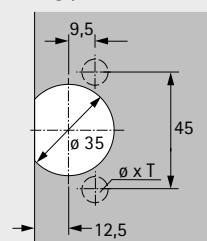
Drilling pattern 52 x 5.5 mm

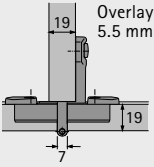
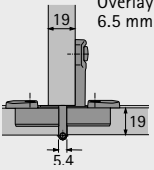


Drilling pattern 52 x 9 mm



Drilling pattern 45 x 9.5 mm

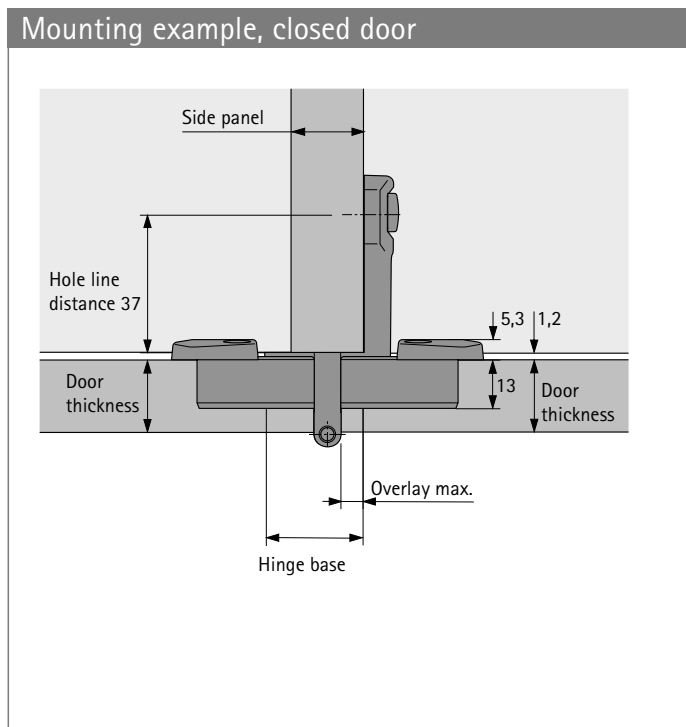
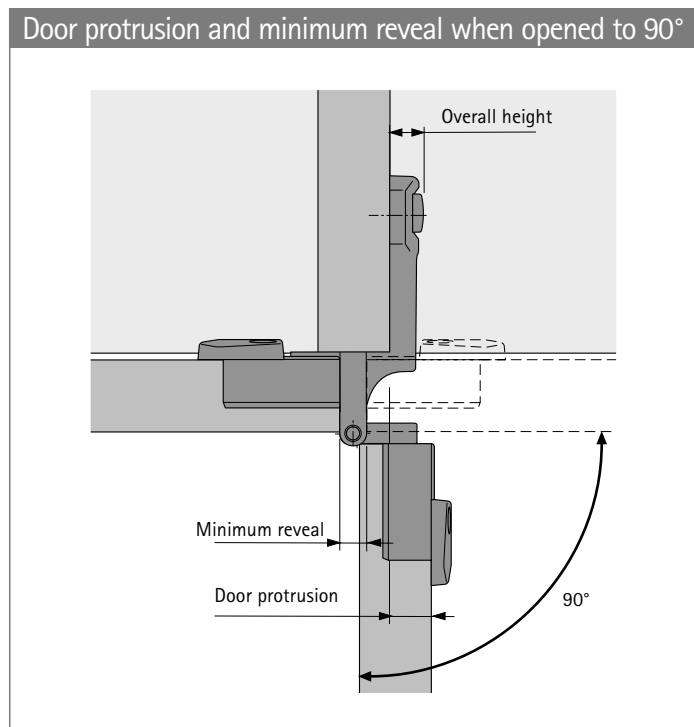


				For screwing on TH 32	For pressing in TH 33	For screwing on TX 32 / 52 x 9	For pressing in TX 33 / 52 x 9	For screwing on TB 32	For pressing in TB 33	
Overlay mm	Mounting drilling	Stay closed function	Article	ø x T -	ø x T ø 10 x 11	ø x T -	ø x T ø 10 x 11	ø x T -	ø x T ø 8 x 11	PU
	Expanding sockets ø 5 x 11 drilling	with	Cup	0 077 734	0 077 735	0 077 736	0 077 887	0 010 074	0 077 942	50 ea.
			Base hinge	0 045 067	0 045 067	0 045 067	0 045 067	0 045 067	0 045 067	50 ea.
	Expanding sockets ø 5 x 11 drilling	without	Cup	0 077 734	0 077 735	0 077 736	0 077 887	0 010 074	0 077 942	50 ea.
			Base hinge	0 045 059	0 045 059	0 045 059	0 045 059	0 045 059	0 045 059	50 ea.
	Expanding sockets ø 5 x 11 drilling	with	Cup	0 077 734	0 077 735	0 077 736	0 077 887	0 010 074	0 077 942	50 ea.
			Base hinge	0 045 063	0 045 063	0 045 063	0 045 063	0 045 063	0 045 063	50 ea.
	Expanding sockets ø 5 x 11 drilling	without	Cup	0 077 734	0 077 735	0 077 736	0 077 887	0 010 074	0 077 942	50 ea.
			Base hinge	0 045 055	0 045 055	0 045 055	0 045 055	0 045 055	0 045 055	50 ea.

Single pivot fast assembly concealed hinge with visible knuckle

► Selekt Pro 2000 twin hinge / 50 ea.

► For System 32



Opening angle and minimum reveal (depending on door and side panel thickness)

Overlay mm	Door thickness mm	Side panel mm						Minimum reveal per door mm (for 90°)
		15	16	18	19	22	25	
5.5	15	180°	180°	180°	180°	180°	180°	7.5
	16	180°	180°	180°	180°	180°	180°	7.5
	18	180°	180°	180°	180°	180°	180°	7.5
	19	180°	180°	180°	180°	180°	180°	7.5
	22	126°	126°	126°	126°	126°	126°	7.5
	25							
6.5	15	180°	180°	180°	180°	180°	180°	5.7
	16	180°	180°	180°	180°	180°	180°	5.7
	18	180°	180°	180°	180°	180°	180°	5.7
	19	180°	180°	180°	180°	180°	180°	5.7
	22	112°	112°	112°	112°	112°	112°	5.7
	25							

Max. overlay:	5.5 mm
Min. overlay:	3.5 mm (adjustment)
Hinge basis:	26 mm
Fitted 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 basis:	25 mm
Fitted height:	10 mm
Door protrusion:	10.5 mm
Opening angle for 0 mm door protrusion:	143°

Advice

- Accessories 130 - 133
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hettich.com/short/ff5a68e

Single pivot fast assembly concealed hinge with visible knuckle

- ▶ Selektä Pro 2000 E / 200 ea.
- ▶ For System 32, for inset doors



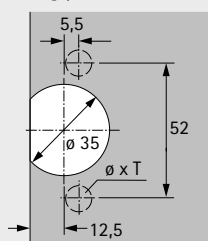
- ▶ Single pivot hinge with clip on installation and visible knuckle
- ▶ Quality grades to EN 15570, Level 3
- ▶ For office, organisational and contract furniture
- ▶ Separate installation of cup and base hinge
- ▶ Fast clip on installation
- ▶ Knuckle length 39 mm, see drawings below for knuckle diameter
- ▶ Cup diameter 35 mm
- ▶ Cup depth 13 mm
- ▶ Integrated eccentric cam reveal adjustment + 2 mm
- ▶ Integrated eccentric cam height adjustment + 2 mm / - 2 mm
- ▶ Die-cast zinc, nickel plated

Selektä Pro 2000 E



Hinge = cup + base hinge

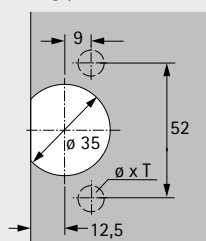
Drilling pattern 52 x 5.5 mm



For screwing on
TH 32

For pressing in
TH 33

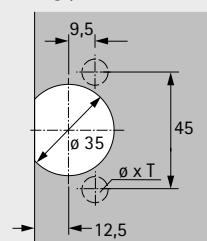
Drilling pattern 52 x 9 mm



For screwing on
TX 32 / 52 x 9

For pressing in
TX33 / 52 x 9

Drilling pattern 45 x 9.5 mm



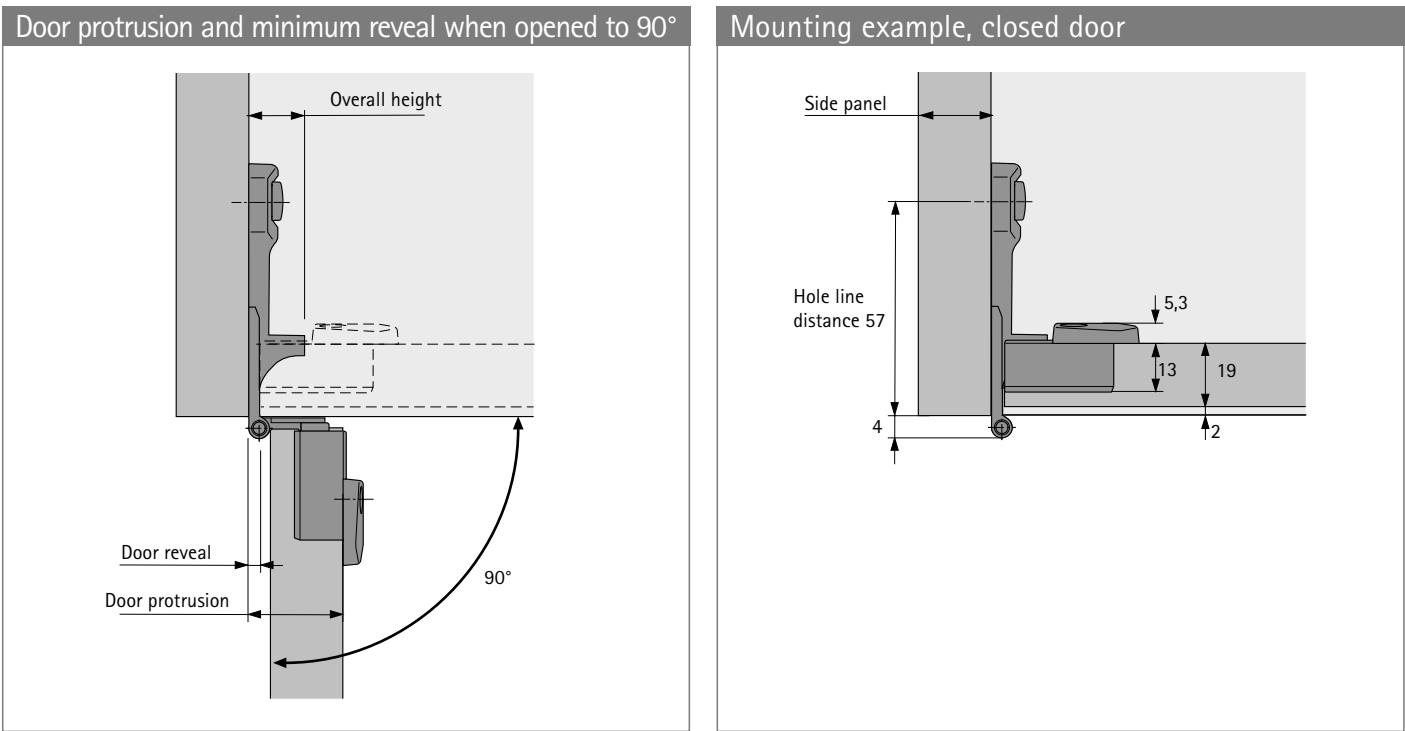
For screwing on
TB 32

For pressing in
TB 33

Reveal mm	Mounting drilling	Stay closed function	Article	ø x T -	ø x T ø 10 x 11	ø x T -	ø x T ø 10 x 11	ø x T -	ø x T ø 8 x 11	PU
			Cup	1 083 438	1 080 574	1 078 866	1 075 604	1 083 439	1 080 575	200 ea.
	Expanding sockets ø 5 x 11 drilling	with	Base hinge	9 037 256	9 037 256	9 037 256	9 037 256	9 037 256	9 037 256	200 ea.
			Cup	1 083 438	1 080 574	1 078 866	1 075 604	1 083 439	1 080 575	200 ea.
	For screwing on ø 5 x 11 drilling	with	Base hinge	9 037 251	9 037 251	9 037 251	9 037 251	9 037 251	9 037 251	200 ea.

Single pivot fast assembly concealed hinge with visible knuckle

- ▶ Selektta Pro 2000 E / 200 ea.
- ▶ For System 32, for inset doors



Opening angle and minimum reveal (depending on door and side panel thickness)

Reveal mm	Door thickness mm	Side panel mm						Minimum reveal per door mm (for 90°)	
		15	16	18	19	22	25		
3.2	15	180°	180°	180°	180°	180°	180°	3.2	Min. reveal: 3.2 mm
	16	180°	180°	180°	180°	180°	180°	3.2	Max. reveal: 5.2 mm (adjustment)
	18	180°	180°	180°	180°	180°	180°	3.2	Hinge base: 0 mm
	19	180°	180°	180°	180°	180°	180°	3.2	Fitted height: 15 mm
	22								Door protrusion: 25 mm
	25								Opening angle for 0 mm door protrusion: 180°

Advice

▶ Accessories

▶ Quality criteria, assembly notes and assembly information

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hettich.com/short/ff5a68e

Single pivot fast assembly concealed hinge with visible knuckle

- ▶ Selektta Pro 2000 E / 50 ea.
- ▶ For System 32, for inset doors



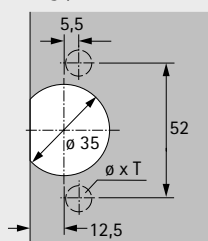
- ▶ Single pivot hinge with clip on installation and visible knuckle
- ▶ Quality grades to EN 15570, Level 3
- ▶ For office, organisational and contract furniture
- ▶ Separate installation of cup and base hinge
- ▶ Fast clip on installation
- ▶ Knuckle length 39 mm, see drawings below for knuckle diameter
- ▶ Cup diameter 35 mm
- ▶ Cup depth 13 mm
- ▶ Integrated eccentric cam reveal adjustment + 2 mm
- ▶ Integrated eccentric cam height adjustment + 2 mm / - 2 mm
- ▶ Die-cast zinc, nickel plated

Selektta Pro 2000 E

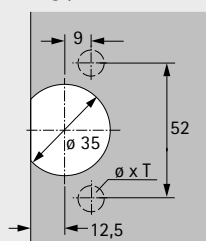


Hinge = cup + base hinge

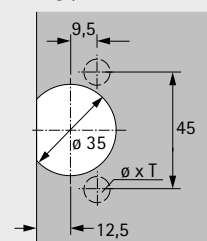
Drilling pattern 52 x 5.5 mm

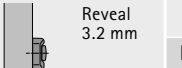


Drilling pattern 52 x 9 mm



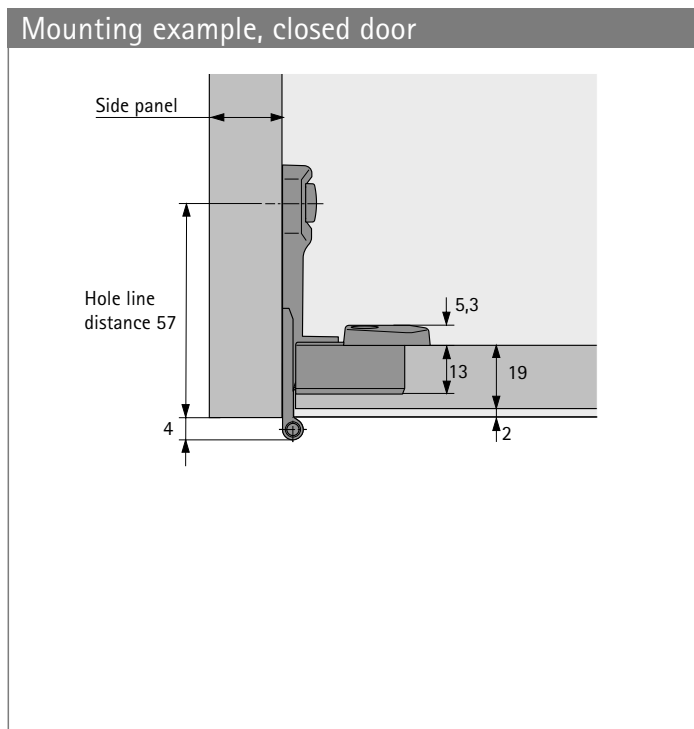
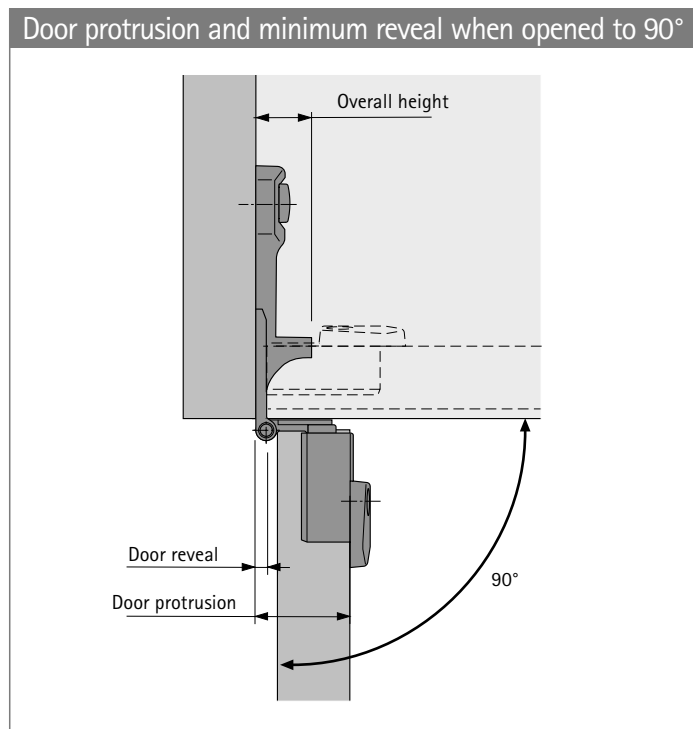
Drilling pattern 45 x 9.5 mm



				For screwing on TH 32	For pressing in TH 33	For screwing on TX 32 / 52 x 9	For pressing in TX 33 / 52 x 9	For screwing on TB 32	For pressing in TB 33	
Reveal mm	Mounting drilling	Stay closed function	Article	ø x T -	ø x T ø 10 x 11	ø x T -	ø x T ø 10 x 11	ø x T -	ø x T ø 8 x 11	PU
			Cup	0 077 734	0 077 735	0 077 736	0 077 887	0 010 074	0 077 942	50 ea.
	Expanding sockets ø 5 x 11 drilling	with	Base hinge	0 045 064	0 045 064	0 045 064	0 045 064	0 045 064	0 045 064	50 ea.
			Cup	0 077 734	0 077 735	0 077 736	0 077 887	0 010 074	0 077 942	50 ea.
	Expanding sockets ø 5 x 11 drilling	without	Base hinge	0 045 056	0 045 056	0 045 056	0 045 056	0 045 056	0 045 056	50 ea.

Single pivot fast assembly concealed hinge with visible knuckle

- ▶ Selektta Pro 2000 E / 50 ea.
- ▶ For System 32, for inset doors



Opening angle and minimum reveal (depending on door and side panel thickness)

Reveal mm	Door thickness mm	Side panel mm						Minimum reveal per door mm (for 90°)
		15	16	18	19	22	25	
3.2	15	180°	180°	180°	180°	180°	180°	3.2
	16	180°	180°	180°	180°	180°	180°	3.2
	18	180°	180°	180°	180°	180°	180°	3.2
	19	180°	180°	180°	180°	180°	180°	3.2
	22							
	25							

Min. reveal: 3.2 mm
 Max. reveal: 5.2 mm (adjustment)
 Hinge base: 0 mm
 Fitted height: 15 mm
 Door protrusion: 25 mm
 Opening angle for 0 mm door protrusion: 180°

Advice

- ▶ Accessories 130 - 133
- ▶ Quality criteria, assembly notes and assembly information 134 - 137



hettich.com/short/f5a68e

Single pivot fast assembly hinge with concealed knuckle

- ▶ **Selekta Pro 2035 / 200 ea.**
- ▶ **For System 32**



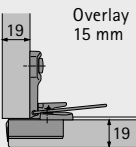
- ▶ Clip on single pivot hinge with concealed knuckle
- ▶ Quality grades to EN 15570, Level 3
- ▶ For office, organisational and contract furniture
- ▶ Separate installation of cup and base hinge
- ▶ Fast clip on installation
- ▶ Cup diameter 35 mm
- ▶ Cup depth 13 mm
- ▶ Basic hinge including 3rd fixing screw
- ▶ Integrated overlay adjustment - 2 mm
- ▶ Integrated eccentric cam height adjustment + 2 mm / - 2 mm
- ▶ Die-cast zinc, nickel plated

Selekta Pro 2035



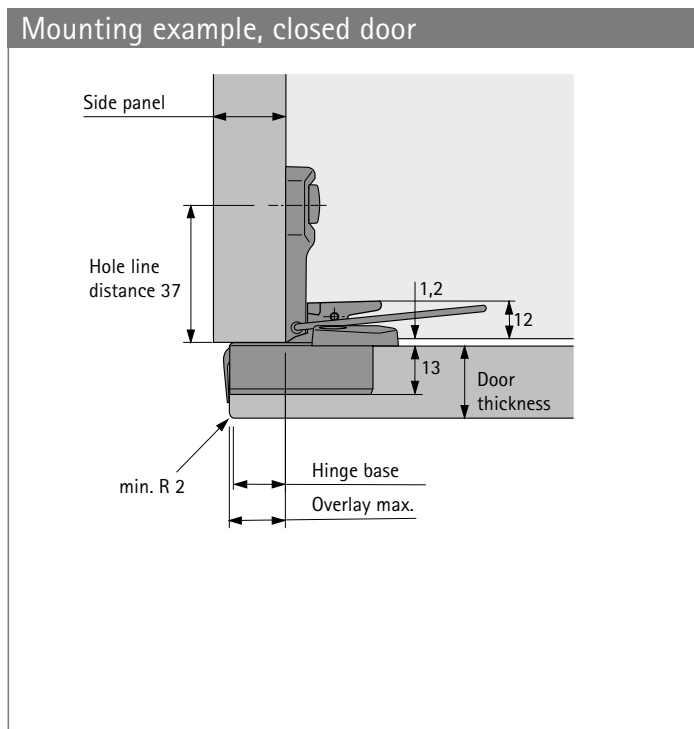
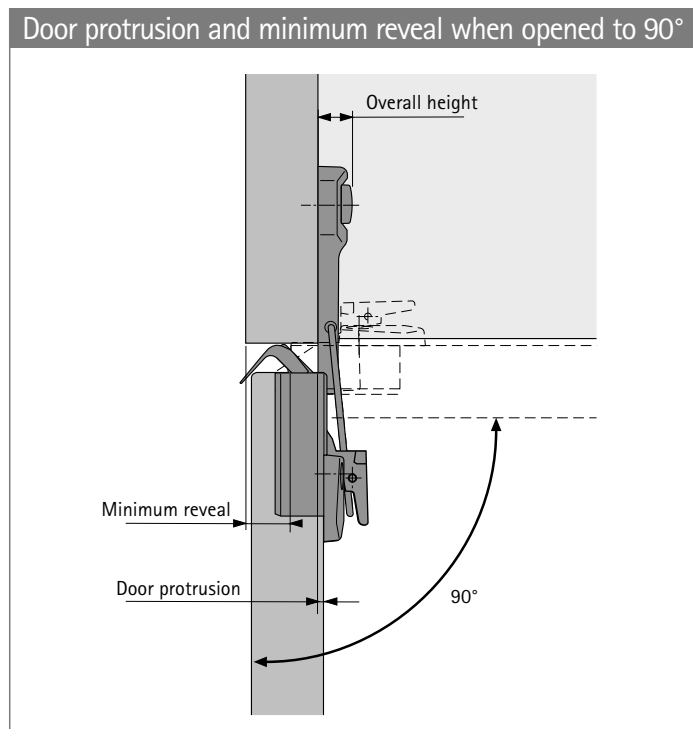
Hinge = cup + base hinge



					Drilling pattern 52 x 9 mm		Drilling pattern 45 x 9.5 mm		PU
					For screwing on TX 32 / 52 x 9	For pressing in TX33 / 52 x 9	For screwing on TB 32	For pressing in TB 33	
Overlay mm	Mounting drilling	Stay closed function	Article		Ø x T -	Ø x T Ø 10 x 11	Ø x T -	Ø x T Ø 8 x 11	
 Overlay 15 mm			Cup		1 078 866	1 075 604	1 083 439	1 080 575	200 ea.
	Expanding sockets Ø 5 x 11 drilling	with	Base hinge		9 037 328	9 037 328	9 037 328	9 037 328	200 ea.
			Cup		1 078 866	1 075 604	1 083 439	1 080 575	200 ea.
	For screwing on, Ø 5 x 11 mm drilling	with	Base hinge		9 037 323	9 037 323	9 037 323	9 037 323	200 ea.

Single pivot fast assembly hinge with concealed knuckle

- ▶ Selektta Pro 2035 / 200 ea.
- ▶ For System 32



Opening angle and minimum reveal (depending on door and side panel thickness)

Overlay mm	Door thickness mm	Side panel mm						Minimum reveal per door mm (for 90°)
		15	16	18	19	22	25	
15	15			115°	115°	115°	115°	0.9
	16			115°	115°	115°	115°	1.1
	18			115°	115°	115°	115°	5.0
	19			115°	115°	115°	115°	6.4
	22							
	25							

Max. overlay: 15 mm
 Min. overlay: 13 mm (adjustment)
 Hinge base: 14 mm
 Fitted height: 10 mm
 Door protrusion: .0.7 mm

Advice

- ▶ Accessories 130 - 133
- ▶ Quality criteria, assembly notes and assembly information 134 - 137



hettich.com/short/f5a68e

Single pivot fast assembly concealed hinge with knuckle

- ▶ Accessories
- ▶ Selekt Pro 2000 / Selekt Pro 2035

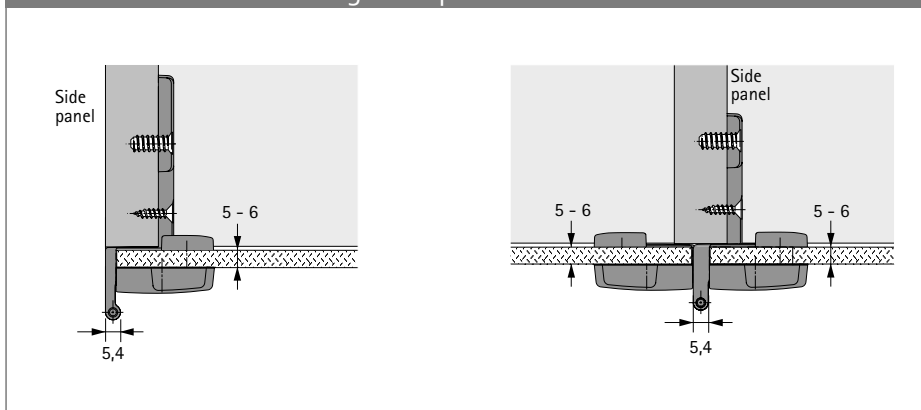


- ▶ With these decorative caps, the Selekt Pro 2000 and Selekt Pro 2035 hinges can be used as glass door hinges
- ▶ In glass doors, a cutaway hole is drilled for the hinge cup and two drillings for the fixing screws for each hinge.
- ▶ The glass door is protected by intermediate shims and bushes of transparent plastic ensuring that the hinge is securely mounted on the glass door
- ▶ Glass thickness 5 - 6 mm
- ▶ Including 2 fixing screws
- ▶ Nickel plated die-cast zinc

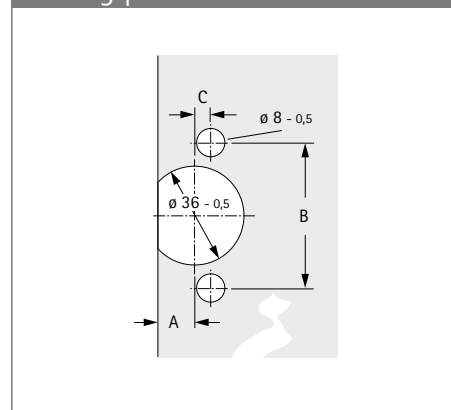
Glass door decorative cap

Type	Order no.	PU
For TH 32 cup (Selekt Pro 2000)	0 077 943	50 ea.
For TX 32 / 52 x 9 cup (Selekt Pro 2000 / Selekt Pro 2035)	1 081 304	50 ea.
For TB 32 cup (Selekt Pro 2000 / Selekt Pro 2035)	0 010 075	50 ea.

Selekt Pro 2000 mounting examples



Drilling pattern



Use	Dimension A mm	Dimension B mm	Dimension C mm
For TH 32 cup	12.5	52	5.5
For TX 32 / 52 x 9 cup	12.5	52	9
For TB 32 cup	12.5	45	9.5

Advice

- ▶ Quality criteria, assembly notes and assembly information

134 - 137



[hettich.com/short/f5a68e](https://www.hettich.com/short/f5a68e)

Single pivot fast assembly concealed hinge with knuckle

- Accessories
- Selektä Pro 2000 / Selektä Pro 2035

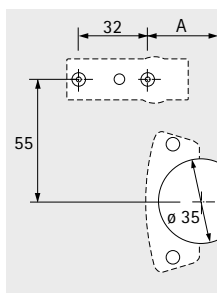


- Suitable for use with
 - Selektä Pro 2000
 - Selektä Pro 2000 twin hinge
 - Selektä Pro 2000 E
 - Selektä Pro 2035
- Suitable for overlay, half overlay and inset doors
- Screw on installation on the door
- Silent System infinitely adjustable at setting wheel
- Can be retrofitted
- Nickel plated die-cast zinc

Silent System screw on damper

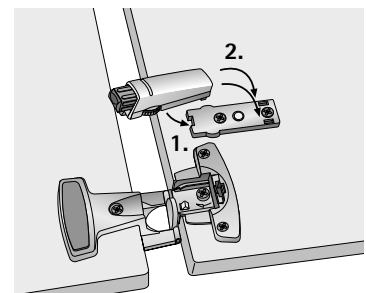
Order no.	PU
0 060 580	50 ea.
9 055 416	200 ea.

Installation advice

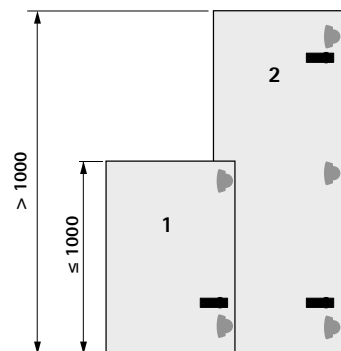


Overlay mm	Dimension A mm
15 / 16	37.5
11 / 12	33.8
5.5 / 6.5	28.3
Inset	21.8

Installation



Number of Silent System dampers



Advice

- Quality criteria, assembly notes and assembly information

134 - 137



hettich.com/short/ff5a68e

Single pivot fast assembly concealed hinge with knuckle

- ▶ Accessories
- ▶ Selektta Pro 2000 / Selektta Pro 2035

Cover cap



- ▶ Suitable for use with Selektta Pro 2000 and Selektta Pro 2035
- ▶ Cover caps with customised imprint available on request
- ▶ Plastic

Colour	Order no.	PU
Grey	0 010 067	50 ea.
grey	1 082 925	2000 ea.
black	1 076 200	2000 ea.

90° / 115° opening angle stop



- ▶ Suitable for use with Selektta Pro 2000
- ▶ Including fixing screws
- ▶ Die-cast zinc / steel, nickel plated

Opening angle °	Order no.	PU
90	0 043 039	50 set
90	9 020 624	200 set
115	0 043 052	50 set
115	9 020 627	200 set

Garment guard



- ▶ Suitable for use with Selektta Pro 2000
- ▶ Prevents garments inside the wardrobe from getting trapped in the hinge
- ▶ Plastic, white

Type	Order no.	PU
For TX 32 / 52 x 9	9 076 430	50 ea.
For TX 32 / 52 x 9	1 080 589	500 ea.
For TX 33 / 52 x 9, including screws	9 076 431	50 set
For TX 33 / 52 x 9, including screws	9 072 979	500 set

Finger guard



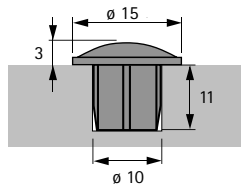
- ▶ Suitable for use with Selektta Pro 2000
- ▶ For sticking onto side section of the base hinge
- ▶ Plastic, grey

Type	Order no.	PU
For overlay A12 (door / side = 16 / 16 mm) / A14 / A15 / A16	9 091 015	50 ea.
For A5.5 / A6.5 / A11 / A12 overlay (door / side = 19 / 16 mm)	9 091 016	50 ea.

Single pivot fast assembly concealed hinge with knuckle

- Accessories
- Seleкта Pro 2000 / Seleкта Pro 2035

Door buffer



- For drilling $\varnothing 10 \times 11$ mm
- Plastic, grey / transparent

Order no.	PU
9 145 687	100 ea.

Fixing screw for Seleкта Pro 2000 / 2035 basic hinge



- Pozidrive screw
- $\varnothing 6.3 \times 14.5$ (round head)
- Steel, nickel plated

Order no.	PU
9 021 314	500 ea.

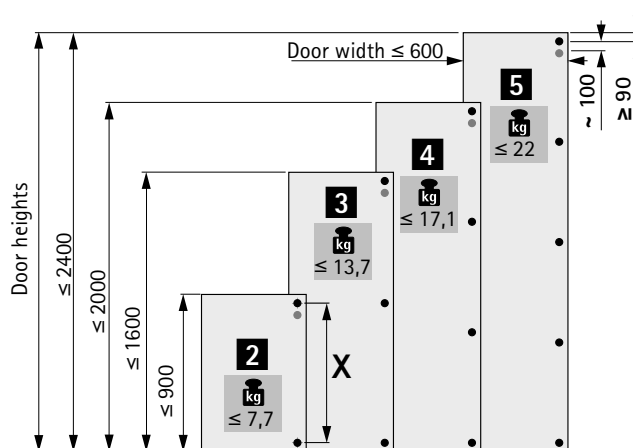
Single pivot fast installation concealed hinge with knuckle

- Selektta
- Technical and fitting information

Number of hinges per door

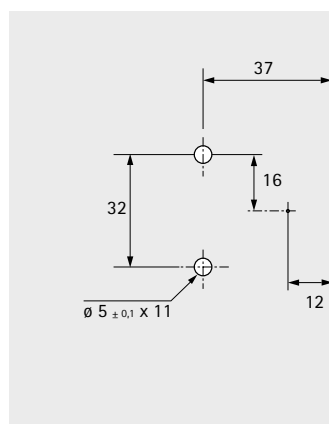
Door width, height and weight as well as the material quality of the door are decisive factors determining the number of hinges required. The factors encountered in practice differ widely from case to case. For this reason, the number of hinges specified in the diagram must be understood as a guide only. 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, space 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.



Drilling pattern base hinge

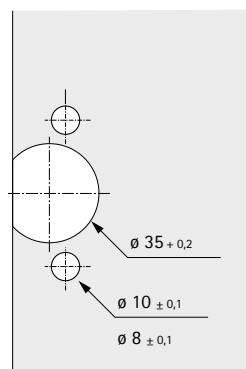
For overlay doors, for hinges using System 32



Production tolerances shown in the drawing must be kept.

The drilling patterns must be set back by 20 mm for inset doors.

Cup tolerances



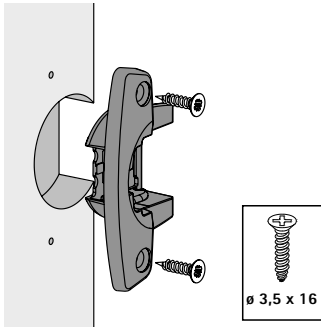
Production tolerances shown in the drawing must be kept.

Single pivot fast installation concealed hinge with knuckle

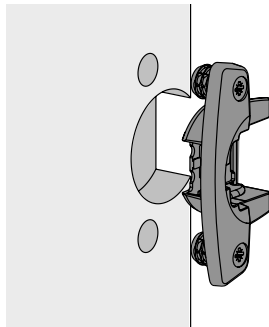
- ▶ Selektta
- ▶ Advice on installing Selektta Pro 2000

Cup installation / base hinge installation

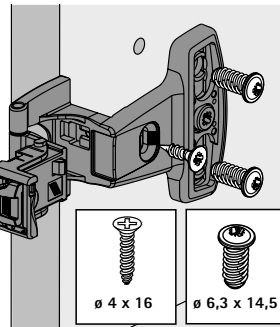
For screwing on



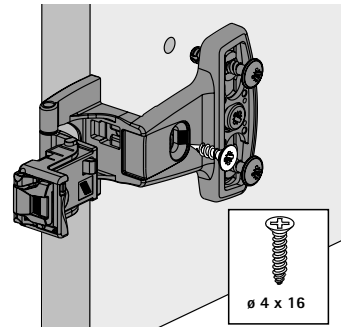
For pressing in



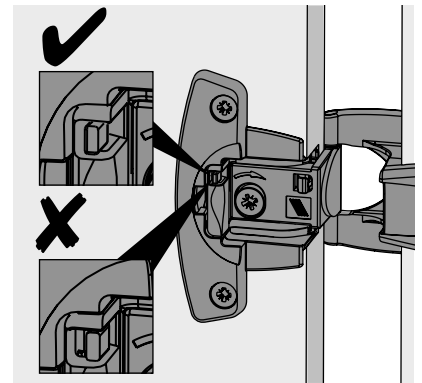
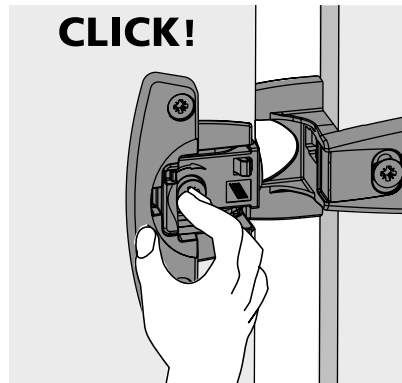
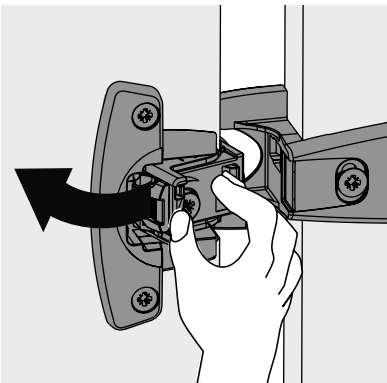
For screwing on



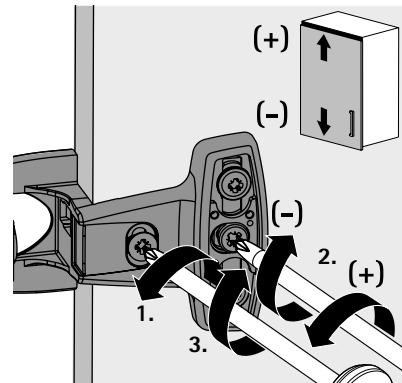
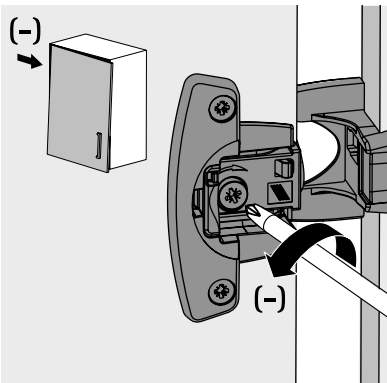
With premounted expanding sockets



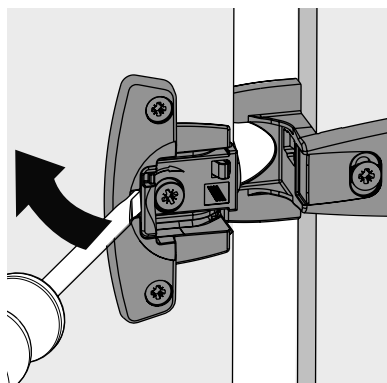
Clip on installation



Overlay adjustment / height adjustment



Removal

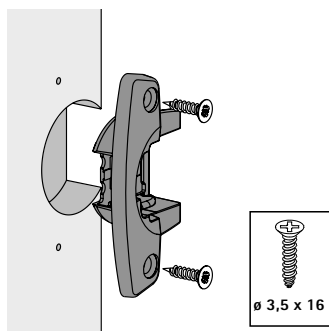


Single pivot fast installation concealed hinge with knuckle

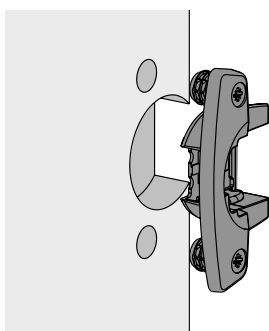
- ▶ Selektta
- ▶ Advice on installing Selektta Pro 2035

Cup installation / base hinge installation

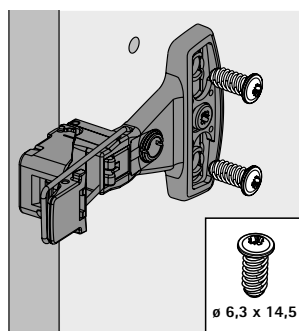
For screwing on



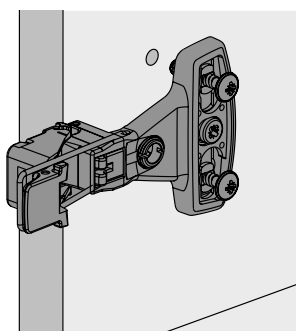
For pressing in



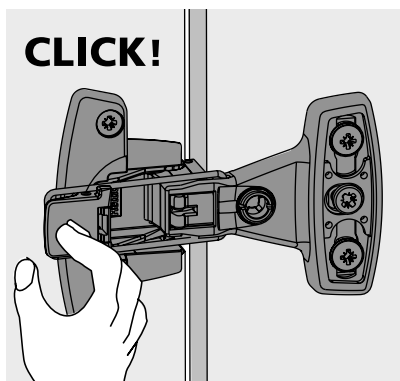
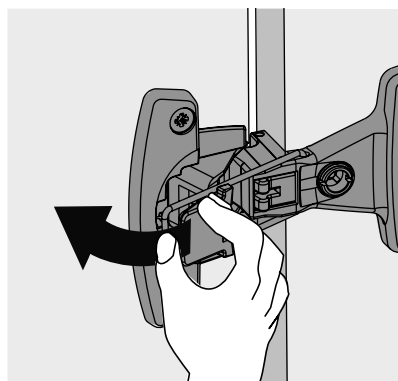
For screwing on



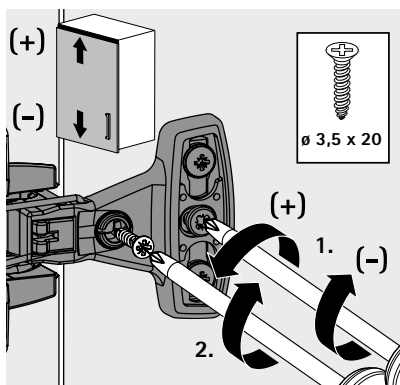
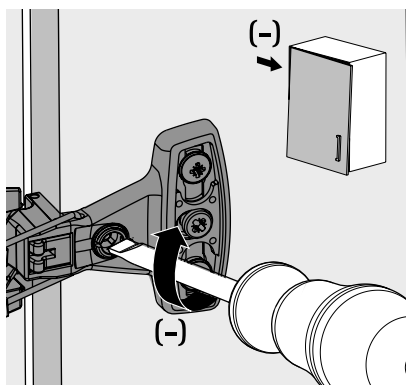
With premounted expanding sockets



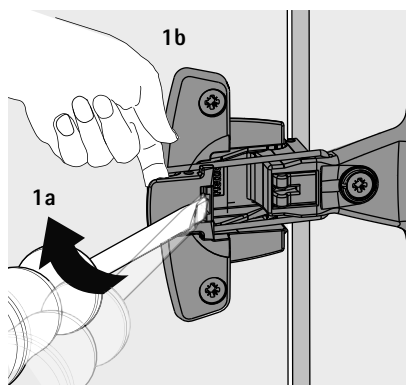
Clip on installation



Overlay adjustment / height adjustment



Removal



Single pivot fast assembly concealed hinge with knuckle

- ▶ **Selekta Pro 2000**
- ▶ **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 examples of the principles behind some of the testing processes.

Application area

Hettich hinges can be used in living room, kitchen, bathroom and office furniture both in the home and business environment.

Load 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

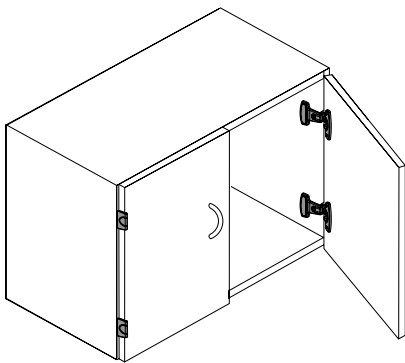
Hettich hinges meet the requirements on corrosion defined in EN 15570 for the 72 hour condensation water test to EN 6270.

Quality assurance

The processes for assuring the quality of Hettich hinges are certified under EN ISO 9001, Cert. No. DE8000209.

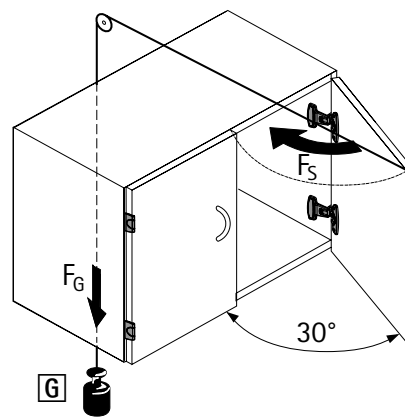
Endurance test

The door is subjected to a specific number of opening and closing cycles.



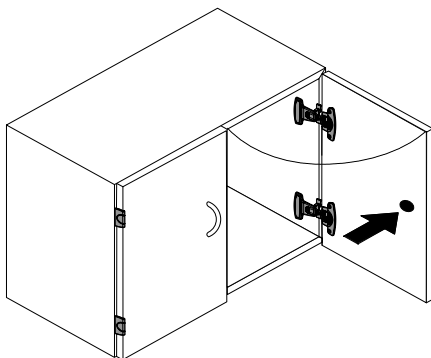
Closing test

The door is opened by 30° and pushed closed from this position by means of a diverter roller and falling weight.



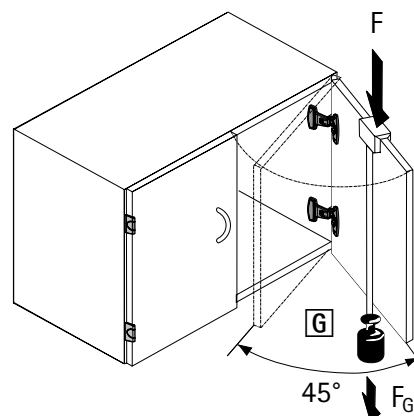
Horizontal test

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.





Meeting specific customer demands

This range of special hinges provides the right fitting for special applications, such as folding doors, refrigerator surrounds or flaps.

It is also just as easy to produce designs with thin front panel materials, front panel frame constructions or specific applications without cup drilling.



For thin materials:
Glass door hinges for overlay or inset doors.



For folding doors:
Centre hinges in a variety of designs.



For refrigerator surrounds:
Hinge with slim arm and door-on-door slider fitting for connecting furniture and refrigerator door.



For flaps:
Markant flap hinges for combining with a flap stay.

Special hinges

► Summary



Range summary

139



Hettich Technical Assistant

- Installation
- Adjusting
- Service

hettich.com/short/8cfada

Special hinges

► Range summary



Centre hinges

141



Kamat guiding hinge for refrigerator surrounds

142



ET 582 for refrigerator surrounds

143



Optimat Plus 4 FM concealed hinge for front panel frame

144

Special hinge

- ▶ Centre hinge
- ▶ For folding doors, opening angle 180°

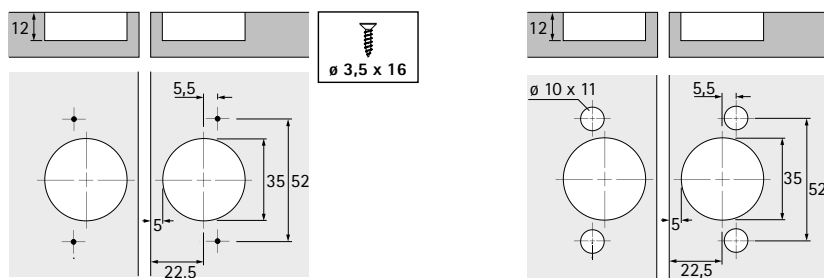


- ▶ Centre hinge for folding doors
- ▶ For door thicknesses from 15 mm
- ▶ Same drilling pattern for door and side element, both elements are mounted separately
- ▶ The reveal can be infinitely adjusted from minimum reveal to + 4 mm, application is always flush
- ▶ Gradual adjustment of the pivot offset with 0 mm, 3 mm and 6 mm
- ▶ Nickel plated die-cast zinc

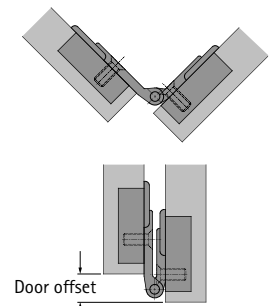
Centre hinge with adjustable offset pivot

Cup assembly	Order no.	PU
For screwing on	0 046 787	10 ea.
For pressing in	0 052 095	10 ea.
For screwing on	1 004 126	100 ea.
For pressing in	1 001 955	100 ea.

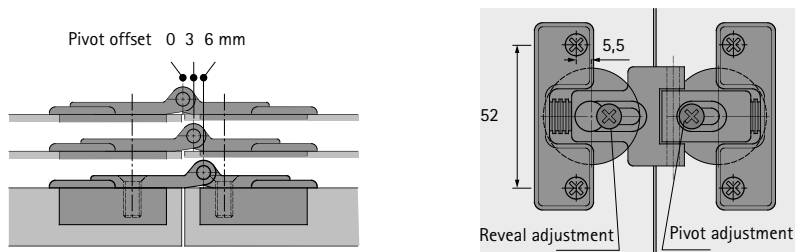
Drilling pattern for screwing on / for pressing in



Door offset



Pivot offset



Pivot offset mm	Door offset mm
0	0
3	6
6	12

Example for reveal = 3 mm



hettich.com/short/a2c038

Special hinge

- ▶ Kamat guiding hinge
- ▶ For refrigerator surrounds, opening angle 115°

Kamat guiding hinge



- ▶ For extra high furniture fronts
- ▶ For refrigerator surrounds with precision reveal alignment
- ▶ Guiding hinge for screwing on
- ▶ Can only be used in combination with Hettich K hinges
- ▶ For cabinet bodies with 19 mm or 16 mm side panels
- ▶ Installed depth 41.5 mm
- ▶ Material galvanised steel

Set comprises:

- ▶ Hinge
- ▶ Drilling template
- ▶ Spacer for 16 mm cabinet body
- ▶ Distance plates
- ▶ Cover cap, white
- ▶ Fixing screws
- ▶ Installation instructions

Order no.	PU
9 239 784	1 set

Kamat cover cap, window grey, optional



Order no.	PU
9 248 766	50 ea.



hettich.com/short/684a33

Special hinge

- ▶ ET 582
- ▶ For refrigerator surrounds, opening angle 95°

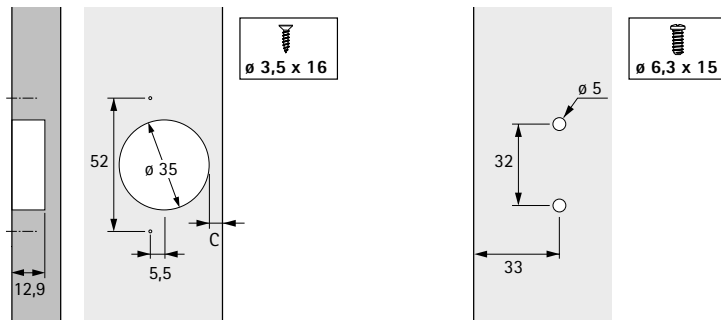


- ▶ Special hinge with short hinge protrusion for refrigerator surrounds
- ▶ Cup diameter 35 mm
- ▶ Cup depth 12.8 mm
- ▶ With stay closed function
- ▶ Including mounting plate and distance plate (distance = 3 mm) for overlays of 13 - 18 mm
- ▶ Integrated + 1 mm / - 1 mm overlay adjustment
- ▶ Integrated depth adjustment + 3 mm / - 3 mm
- ▶ Hinge arm material: steel, nickel plated
- ▶ Hinge cup material: nickel plated die-cast zinc
- ▶ Distance plate material: plastic, white

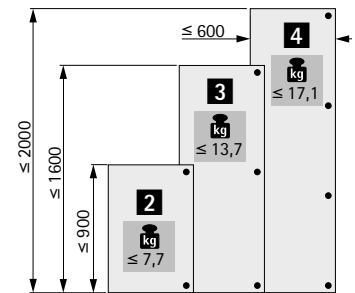
Special hinge ET 582

Order no.	PU
0 072 134	10 ea.

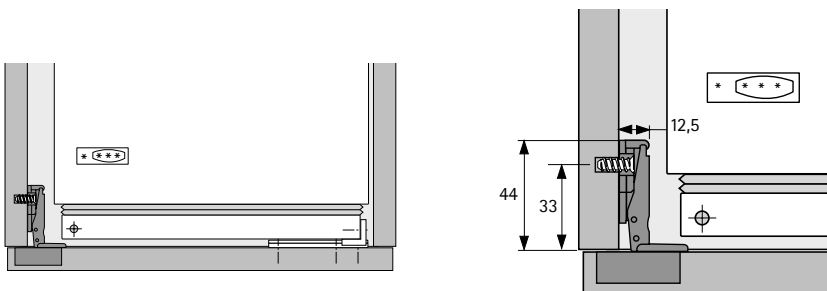
Drilling hole distances



Note



Mounting example



Note

A door-on-door slider fitting can be used for connecting the furniture door to the refrigerator door.

Mounting plate with 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



hettich.com/short/78c96b

Special hinge

- ▶ Optimat Plus 4 FM
- ▶ Concealed hinge for front panel frame, opening angle 110°

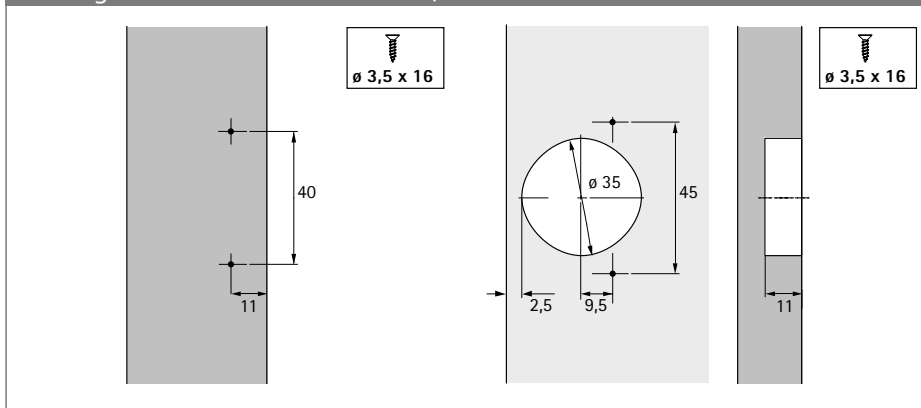


- ▶ Suitable for all frame widths
- ▶ Quality classification under EN 15570, Level 1
- ▶ For door thicknesses from 13 mm
- ▶ Cup diameter 35 mm
- ▶ Cup depth 11 mm
- ▶ With self closing feature
- ▶ Door overlay at least 37 mm (hinge arm flush with the edge of the frame)
- ▶ Cup distance 2.5 mm
- ▶ Overlay adjustment + 1.5 mm / - 1.5 mm
- ▶ Height adjustment + 2 mm / - 2 mm
- ▶ Steel nickel plated

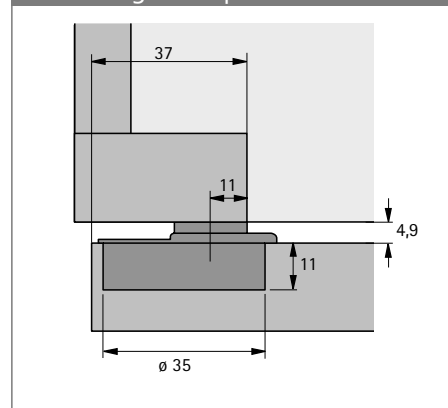
Optimat Plus 4 FM

Order no.	PU
9 072 548	50 ea.
9 072 549	300 ea.

Drilling hole distances for frame / door



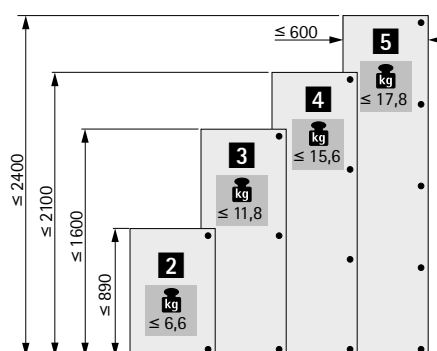
Mounting example



Number of hinges per door

Door format, weight and material quality are crucial factors determining the number of hinges required.

The distance between the top and bottom hinge must be at least equal to the width of the door.



Minimum reveal per door

Door thickness mm	Cup distance C mm
16	2.5
19	4.2
19	6.7



Opening system for handleless furniture fronts

► Push to open Silent for hinged doors



Effortlessly handleless

Handleless furniture design conveys a clean, light and airy look. Push to open Silent for hinged doors provides convenience that pampers its users: easy, reliable opening. Gentle and soft closing. Push to open Silent can easily

be added to any cabinet body and is suitable for all common cabinet constructions. Entirely without any power connection. 100 % convenience, zero cables.



Bring purist design to furniture: handleless design in all common door sizes and cabinet body constructions.



Open without handles, close softly and silently: by combining Push to open with soft closing hinges.



Install quickly and easily: The housing can simply be attached to the existing standard hole line.



hettich.com/short/6a155f

Find out more: You can get inspiration and further product details on our website.

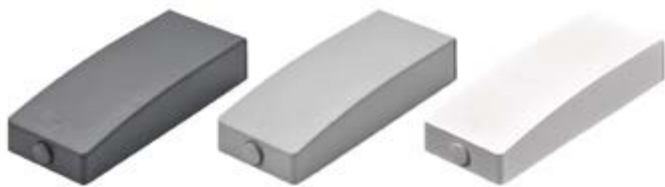
Opening system for handleless furniture fronts with soft closing action

- Push to open Silent for hinged doors
- For screwing on



- For use with concealed Silent System hinges
- For full and half overlay as well as inset doors
- For angled applications
- Large adjustment range of + 4 / - 2 mm
- Opening movement 1.4 mm
- Opening distance 45 mm
- L x W x H (mm): 155 x 60 x 32 (22)
- Includes 4 AA batteries
- Material: plastic

Push to open Silent for hinged doors

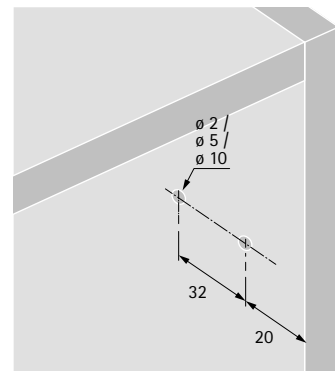
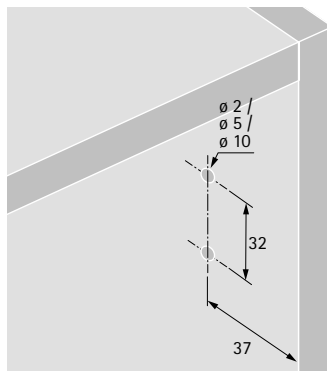
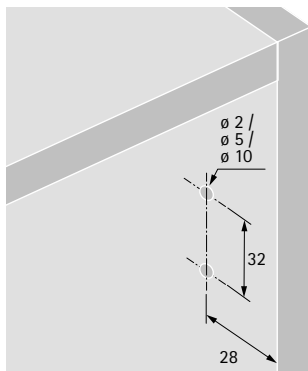


Set comprises:

- 1 Push to open Silent
- 1 bag of fixing parts
- 1 set of installation instructions

Colour	Order no.	PU
anthracite	9 239 087	1 set
white	9 239 088	1 set
grey	9 239 099	1 set

Drilling patterns



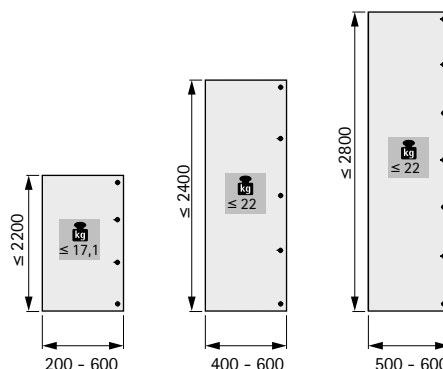
Push to open Silent - number per hinged door

The dimensions shown refer to the use of one Push to open Silent in combination with Sensys hinges.

Here, crucial factors are:

- the number of hinges used
- the door dimensions as well as
- the door weight

See diagram



Opening system for handleless furniture fronts

► Push to open for hinges



Handleless, simple, good
A gentle press on the door is all it takes for the Push to open push rod to move it into a position that easily lets you get your fingers behind to open it. Depending on use, the doors remains in push rod end position or swings open widely. The door is closed by pressing on it again.



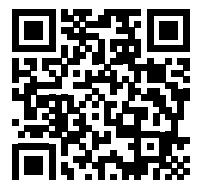
Create handleless furniture design the clever way:
Handleless is all the fashion, and the future, whether in the living room or in the kitchen.



Design flexibility for all door formats:
Push to open for hinges provides the right solution for any door size and shape.



Offer more with little effort:
with unchanged production processes and easy installation.



hettich.com/short/365364

Find out more:
You can get inspiration and further product details on our website.

Push to open opening system for handleless furniture fronts

- ▶ Push to open for hinges
- ▶ Summary



Push to open for hinges

- ▶ Range summary / technical comparison 150 - 151
- ▶ Application areas / recommended applications 152 - 153



Push to open Pin

- ▶ For screwing on 154
- ▶ For drilling in 155



Push to open Pin Strong

- ▶ For screwing on 156
- ▶ For drilling in 157



Push to open Magnet

- ▶ For screwing on 158
- ▶ For drilling in 159



Accessories

- ▶ Push to open Lock for screwing on / for drilling in 160
- ▶ Designer adapter for Push to open drill in versions 161
- ▶ Counterplates for Push to open Magnet 162



Technical information

- ▶ Installation 152 - 153

Opening system for handleless furniture fronts

- ▶ Push to open for hinges
- ▶ Range summary / technical comparison

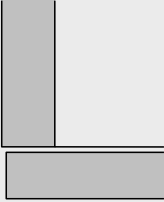
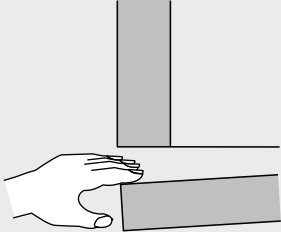
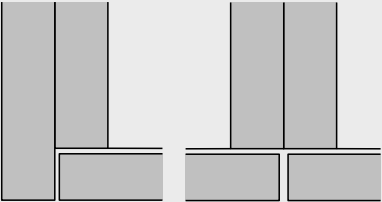
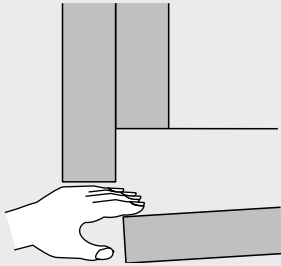
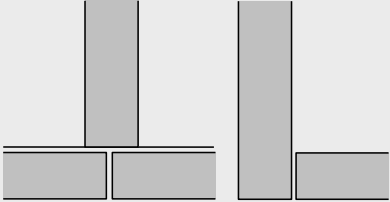
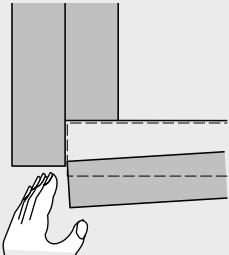
	Push to open Pin 	Drill in Push to open 	Push to open Pin Strong 
Side	154	155	156
Application	▶ Concealed hinges	▶ Concealed hinges	▶ Concealed hinges ▶ For use in combination with particularly tall and / or heavy doors for example
Door mounting option	▶ Full overlay ▶ Half overlay ▶ Inset	▶ Full overlay	▶ Full overlay ▶ Half overlay ▶ Inset
Installation	▶ For screwing on	▶ For drilling in	▶ For screwing on
Material / colour	Plastic ▶ anthracite ▶ light grey ▶ white	Plastic ▶ anthracite ▶ light grey ▶ white	Plastic ▶ anthracite ▶ light grey ▶ white

Push to open Pin Strong	Push to open Magnet	Push to open Magnet	Designer adapter
			
157	158	159	161
▶ Concealed hinges ▶ For use in combination with particularly tall and / or heavy doors for example	▶ For hinges without self closing feature	▶ For hinges without self closing feature	▶ Concealed hinges ▶ Hinges without self closing feature
▶ Full overlay	▶ Full overlay ▶ Half overlay ▶ Inset	▶ Full overlay	▶ Full overlay ▶ Half overlay ▶ Inset (half stroke length)
▶ For drilling in	▶ For screwing on	▶ For drilling in	▶ For screwing on
Plastic ▶ anthracite ▶ light grey ▶ white	Plastic ▶ anthracite ▶ light grey ▶ white	Plastic ▶ anthracite ▶ light grey ▶ white	Die-cast zinc ▶ nickel plated ▶ obsidian black

Push to open opening system for handleless furniture fronts

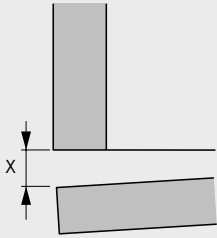
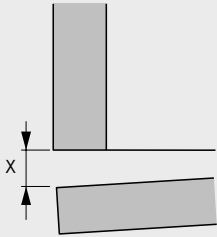
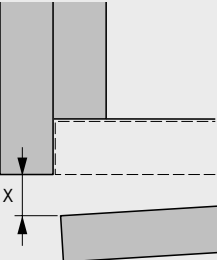
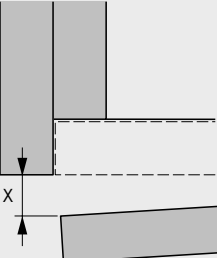
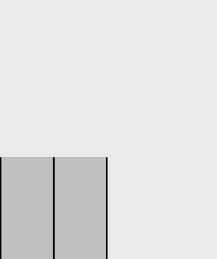
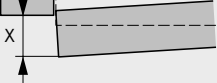
► Technical information

► Installation

1 Design	2 Door use	3 Hinge function
The door is freely accessible from the side. Full overlay (non adjacent components) 	Reaching behind the door 	with self closing feature without self closing feature
The door is not freely accessible from the side because it is adjacent to another component. Full overlay (e.g. adjacent panel, another cabinet) 	Reaching in behind the door 	with self closing feature without self closing feature
Half overlay Inset 	Reaching in at side of door 	with self closing feature without self closing feature

Push to open opening system for handleless furniture fronts

- Technical information
- Installation

4 Finger pull space / finger pull area X	5 Recommended products
 A diagram showing a vertical door edge and a horizontal door edge. A vertical dimension line labeled 'X' indicates the distance between the two edges.	X = approx. 37 mm Push to open Pin, long travel distance
 A diagram showing a vertical door edge and a horizontal door edge. A vertical dimension line labeled 'X' indicates the distance between the two edges.	X = 14 mm min. The hinges used make the door open further. Push to open Magnet, short travel distance
 A diagram showing a vertical door edge and a horizontal door edge. A vertical dimension line labeled 'X' indicates the distance between the two edges.	X = 37 mm min. The hinges used make the door open further. Push to open Magnet, long travel distance
 A diagram showing a vertical door edge and a horizontal door edge. A vertical dimension line labeled 'X' indicates the distance between the two edges.	If the adjacent component projects in front of the door the finger pull space / finger pull area is reduced accordingly. Finger pull space X is defined by the 37 mm travel distance minus door thickness. Push to open Pin, long travel distance
 A diagram showing a vertical door edge and a horizontal door edge. A vertical dimension line labeled 'X' indicates the distance between the two edges.	If the adjacent component projects in front of the door the finger pull space / finger pull area is reduced accordingly. Finger pull space X is defined by the 37 mm travel distance minus door thickness. Push to open Magnet, long travel distance
 A diagram showing a vertical door edge and a horizontal door edge. A vertical dimension line labeled '≥ X' indicates the distance between the two edges.	X = 14 mm min. If the adjacent component projects in front of the door the finger pull space / finger pull area is reduced accordingly. X is reduced accordingly. Push to open Magnet, short travel distance

Push to open opening system for handleless furniture fronts

- Push to open Pin for screwing on
- For hinges with self closing feature



- For use with concealed hinges
- Suitable for full overlay, half overlay and inset doors
- Large adjustment range of 6 mm
- Opening movement 1.4 mm
- Plastic

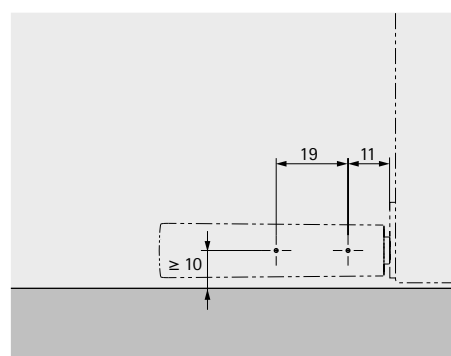
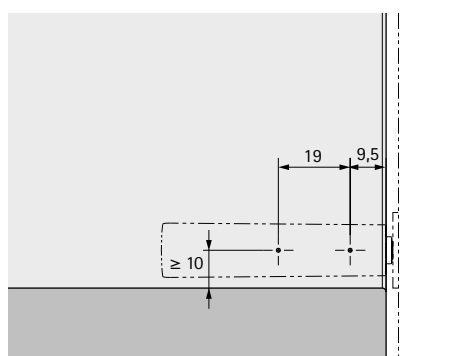
Push to open Pin



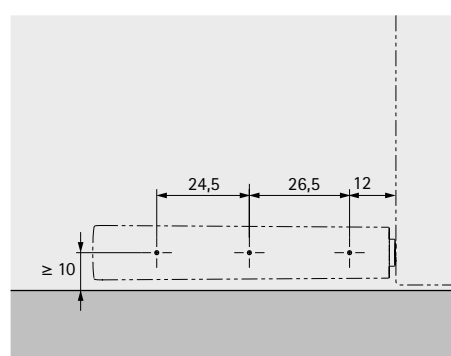
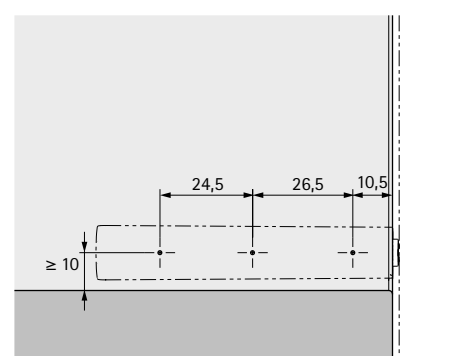
- Set comprises:
- 1 Push to open Pin
 - 1 adapter top section
 - 1 adapter base section

Design	Order no. / Colour			PU
	white	anthracite	light grey	
Short travel	9 089 586	9 089 625	9 089 600	25 set
Long travel	9 089 587	9 089 626	9 089 601	25 set

Drilling pattern for short travel, overlay door or inset door



Drilling pattern for long travel, overlay door or inset door



Push to open opening system for handleless furniture fronts

- ▶ Push to open Pin for drilling in
- ▶ For hinges with self closing feature



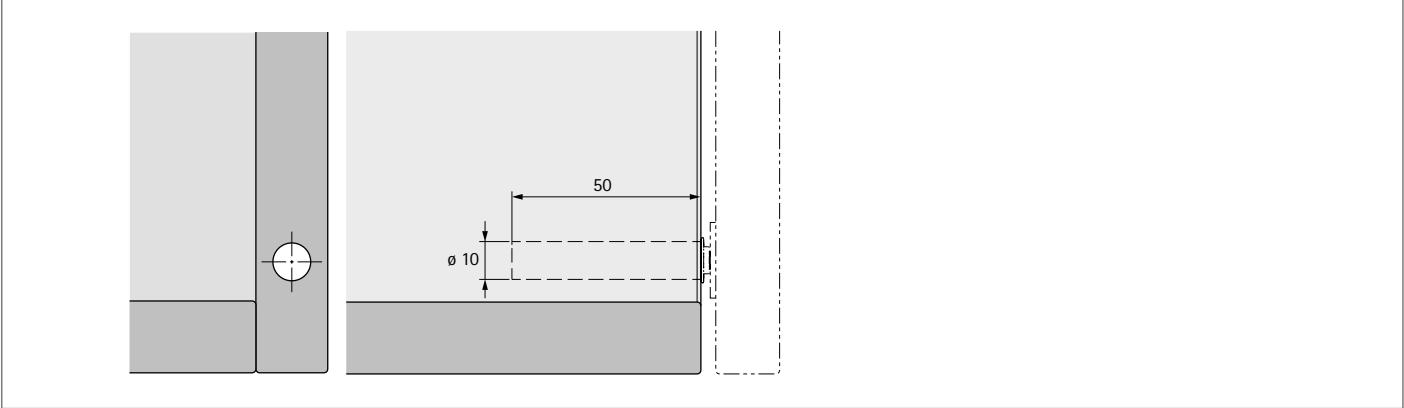
- ▶ For use with concealed hinges
- ▶ For full overlay doors
- ▶ Large adjustment range of 6 mm
- ▶ Opening movement 1.4 mm
- ▶ Plastic

Push to open Pin

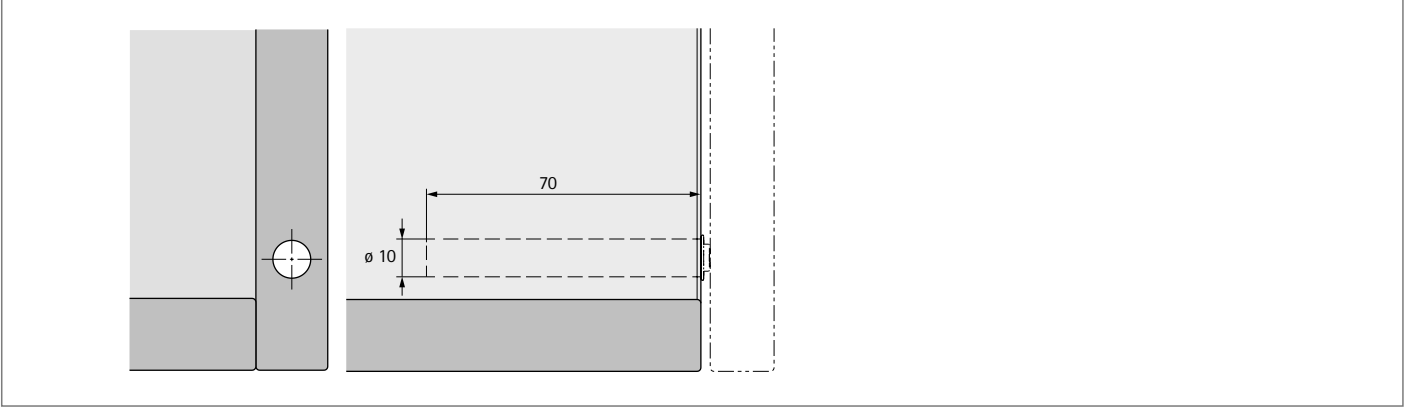


Design	Order no. / Colour			PU
	white	anthracite	light grey	
Short travel	9 089 588	9 089 627	9 089 602	25 ea.
Long travel	9 089 589	9 089 628	9 089 603	25 ea.

Drilling pattern for short travel, overlay door



Drilling pattern for long travel, overlay door



Push to open opening system for handleless furniture fronts

- Push to open Pin Strong for screwing on
- For hinges with self closing feature



- For use with concealed hinges
- For use in combination with particularly tall and / or heavy doors for example
- Suitable for full overlay, half overlay and inset doors
- Large adjustment range of 6 mm
- Opening movement 1.4 mm
- Plastic

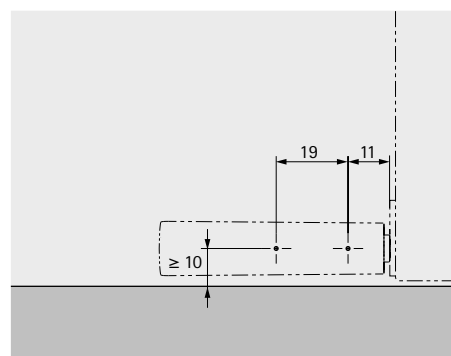
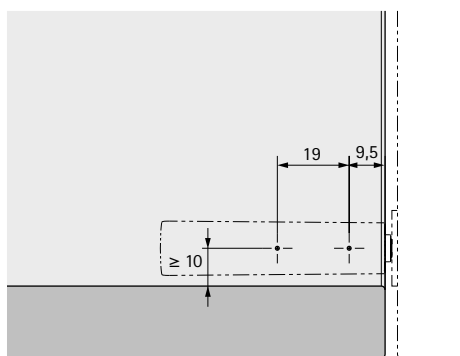
Push to open Pin Strong



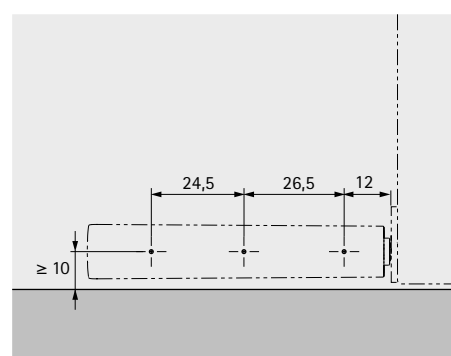
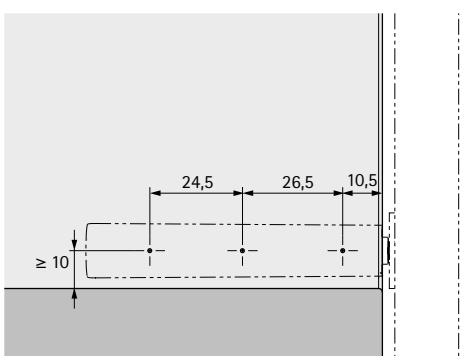
- Set comprises:
- 1 Push to open Pin Strong
 - 1 adapter top section
 - 1 adapter base section

Design	Order no. / Colour			PU
	white	anthracite	light grey	
Short travel	9 089 596	9 089 635	9 089 610	25 set
Long travel	9 089 597	9 089 636	9 089 611	25 set

Drilling pattern for short travel, overlay door or inset door



Drilling pattern for long travel, overlay door or inset door



Push to open opening system for handleless furniture fronts

- Push to open Pin Strong for drilling in
- For hinges with self closing feature



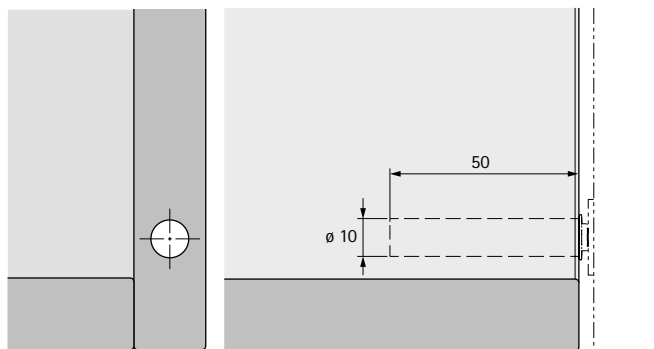
- For use with concealed hinges
- For use in combination with particularly tall and / or heavy doors for example
- Cartridge can be identified by the red end cap
- For full overlay doors
- Large adjustment range of 6 mm
- Opening movement 1.4 mm
- Plastic

Push to open Pin Strong

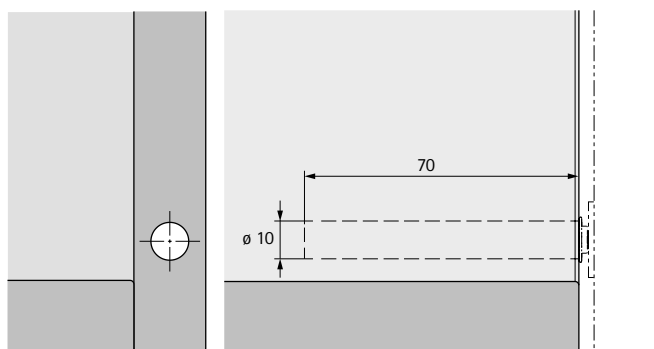


Design	Order no. / Colour			PU
	white	anthracite	light grey	
Short travel	9 089 598	9 089 637	9 089 612	25 ea.
Long travel	9 089 599	9 089 638	9 089 613	25 ea.

Drilling pattern for short travel, overlay door



Drilling pattern for long travel, overlay door



Push to open opening system for handleless furniture fronts

- Push to open Magnet for screwing on
- For hinges without self closing feature



- For use with hinges without self closing feature
- Suitable for full overlay, half overlay and inset doors
- Large adjustment range of 6 mm
- Opening movement 1.4 mm
- Plastic

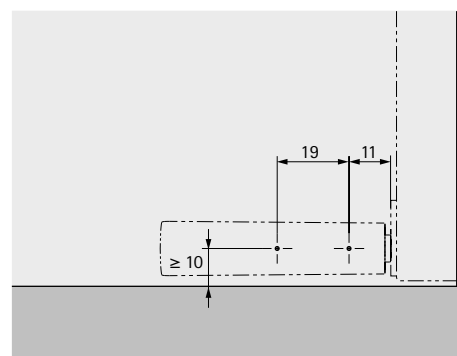
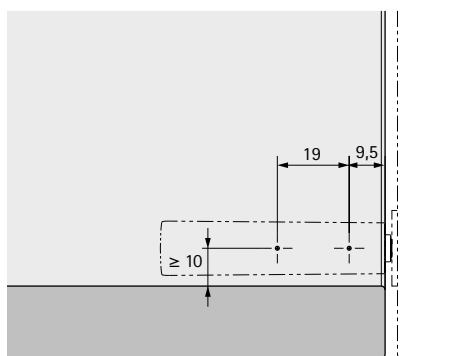
Push to open Magnet



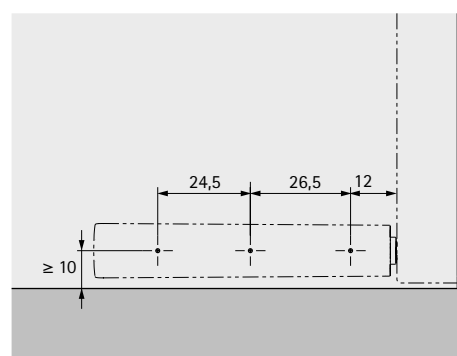
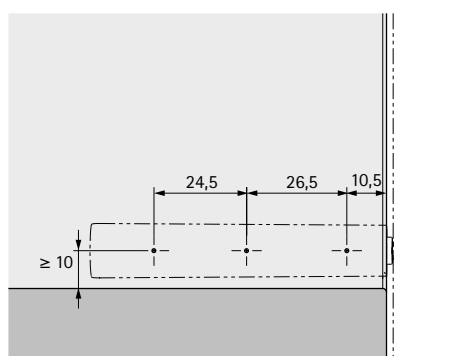
- Set comprises:
- 1 Push to open Magnet
 - 1 adapter top section
 - 1 adapter base section
 - 1 counterplate for gluing / screwing on

Design	Order no. / Colour			PU
	white	anthracite	light grey	
Short travel	9 089 590	9 089 629	9 089 604	25 set
Long travel	9 089 591	9 089 630	9 089 605	25 set

Drilling pattern for short travel, overlay door or inset door



Drilling pattern for long travel, overlay door or inset door



Push to open opening system for handleless furniture fronts

- ▶ Push to open Magnet for drilling in
- ▶ For hinges without self closing feature



- ▶ For use with hinges without self closing feature
- ▶ For full overlay doors
- ▶ Large adjustment range of 6 mm
- ▶ Opening movement 1.4 mm
- ▶ Plastic

Push to open Magnet

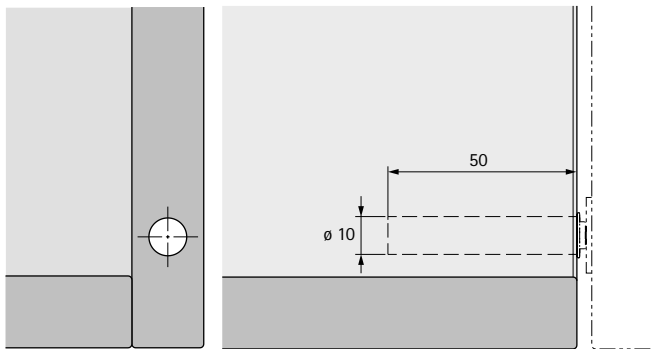


Set comprises:

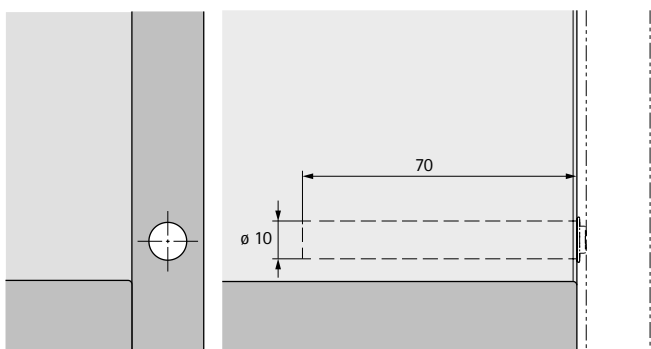
- ▶ 1 Push to open Magnet
- ▶ 1 counterplate for gluing / screwing on

Design	Order no. / Colour			PU
	white	anthracite	light grey	
Short travel	9 089 592	9 089 631	9 089 606	25 set
Long travel	9 089 593	9 089 632	9 089 607	25 set

Drilling pattern for short travel, overlay door



Drilling pattern for long travel, overlay door



Push to open opening system for handleless furniture fronts

- ▶ Accessories
- ▶ Push to open Lock for drilling in



- ▶ Optional magnetic stay closed function without Push function
- ▶ For use in combination with particularly tall and / or heavy doors and Push to open Magnet for example
- ▶ For full overlay doors
- ▶ Large adjustment range of 5 mm
- ▶ Plastic

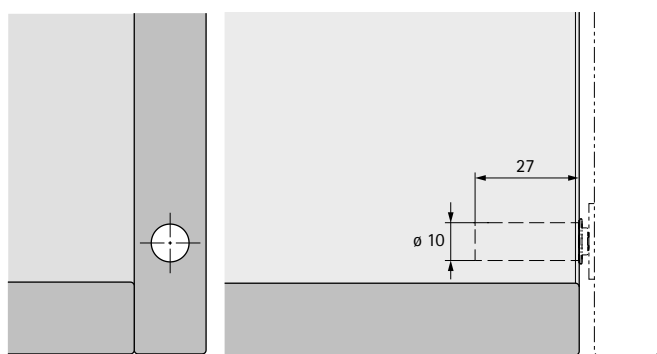
Push to open Lock



- Set comprises:
- ▶ 1 Push to open Lock
 - ▶ 1 counterplate for gluing / screwing on

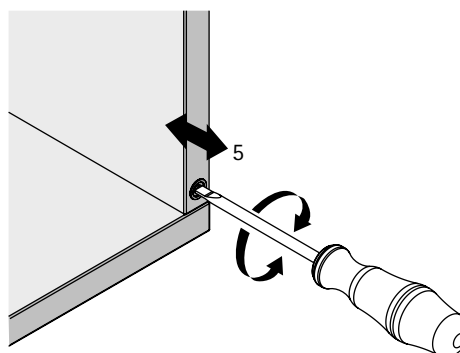
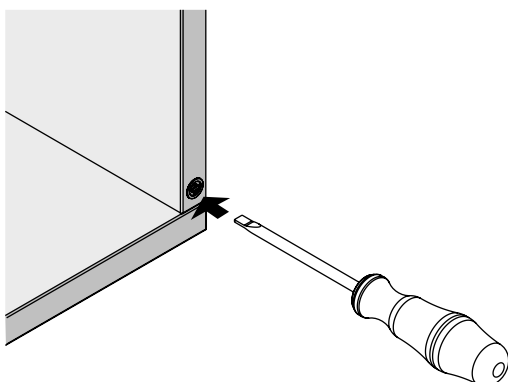
Order no. / Colour white	light grey	anthracite	PU
9 089 595	9 089 609	9 089 634	25 set

Drilling pattern for Push to open Lock for drilling in



hettich.com/short/6a3e07

Adjusting Push to open Lock



Push to open opening system for handleless furniture fronts

- ▶ Accessories
- ▶ Designer adapter for Push to open drill in versions



- ▶ High quality designer adapter for upgrading furniture range
- ▶ For combination with drill in versions of Push to open Pin and Push to open Magnet
- ▶ Push to open drill in cartridge must be ordered separately
- ▶ Suitable for full overlay, half overlay and inset doors
- ▶ Attachment housing material: plastic, anthracite
- ▶ Housing material: die-cast zinc

Designer adapter

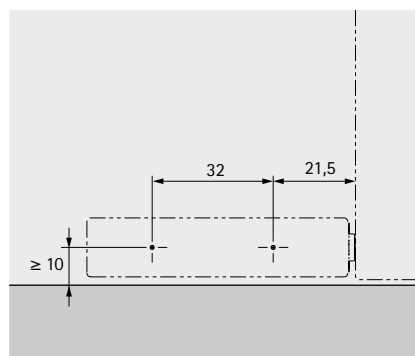
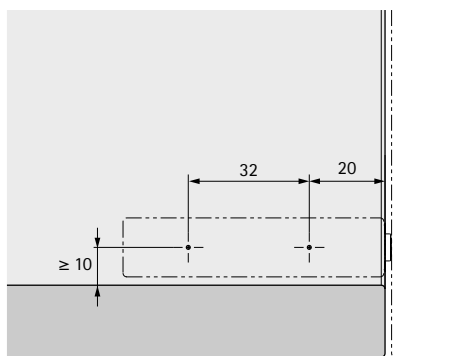


Set comprises:

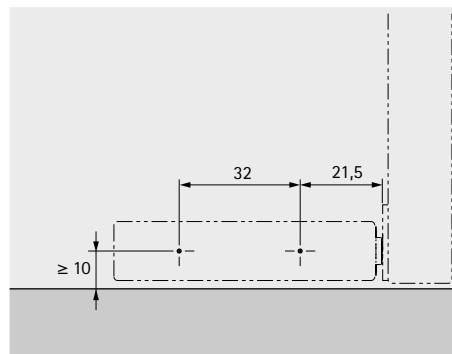
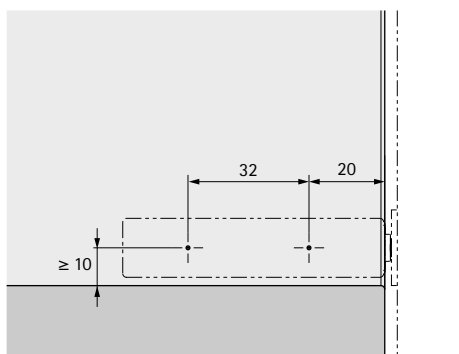
- ▶ 1 attachment housing
- ▶ 1 designer adapter

Material	Order no.	PU
obsidian black	9 089 566	25 set
nickel plated	9 089 633	25 set

Drilling pattern for the attachment housing for overlay or inset door with Push to open Pin



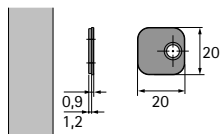
Drilling pattern for the attachment housing for overlay or inset door with Push to open Magnet



Push to open opening system for handleless furniture fronts

- Accessories
- For Push to open Magnet

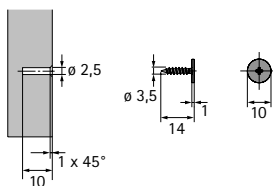
Counterplate for gluing or screwing on



- Self adhesive type
- Mounting hole for optional 3 mm $\varnothing$ countersunk screw
- Counterplate is included with all articles **Push to open Magnet** and **Push to open Lock** items
- Steel

Order no.	PU
9 090 869	100 ea.

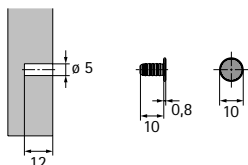
Screw on counterplate



- For drilling $\varnothing 2.5 \times 10$ mm
- Fit with PZ 1 screwdriver
- Steel nickel plated

Order no.	PU
9 090 845	100 ea.

Counterplate for pressing in



- For drilling $\varnothing 5 \times 12$ mm
- Steel nickel plated

Order no.	PU
9 090 846	100 ea.

Fixing screw



- Countersunk head
- PZ2 Pozidrive screw
- Steel nickel plated
- $\varnothing 3.5 \times 16$ mm

Order no.	PU
0 071 925	200 ea.



hettich.com/short/3a2fab

Electromechanical opening system for handleless furniture fronts

► Easys



Luxurious opening

Easys opens the door to handleless fronts. Easys opens the door electromechanically in response to a light press on the front. And closes it automatically after 2.5 to 8 seconds. Without getting fingers trapped because they are safely out

of the way. A particular advantage: the fitting is 22 mm shallow – the lowest installed height on the market. Use Easys for handleless furniture design throughout.



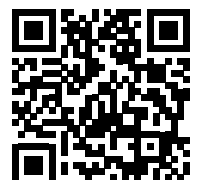
Handleless design throughout:
Handleless design fascinates with clean looking lines and generously proportioned surfaces.



Integrate slim line elegance:
At a mere 22 mm, Easys provides the lowest overall height on the market.



Reliable opening and closing:
The perfected control system prevents unintentional opening. This makes power assisted closing unnecessary.



hettich.com/short/5c6a5c

Find out more:
You can get inspiration and further product details on our website.

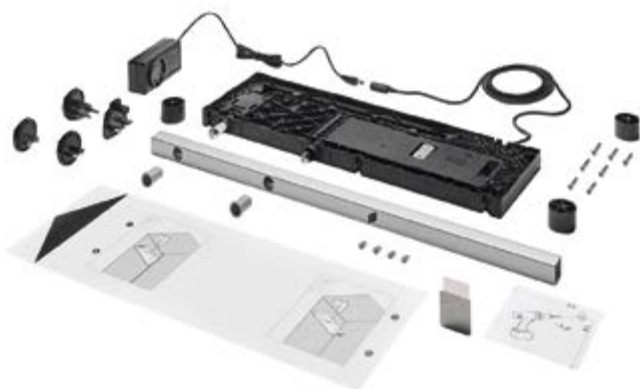
Easys electromechanical opening system

- For refrigerators
- For screwing on



- Electromechanical opening system for refrigerators
- Quality grades in line with EN 15570, Level 3
- For installing in refrigerator surround (500 - 600 mm width)
- For attachment by chipboard screws

Easys for refrigerators



Set comprises:

- 1 Easys function unit
- 3 spacer
- 1 power supply unit
- 2 drilling templates
- 1 design profile
- 2 designer sockets
- 1 counterplate
- 4 tolerance plates
- 7 chipboard screws, $\varnothing$ 3.5 x 30 mm

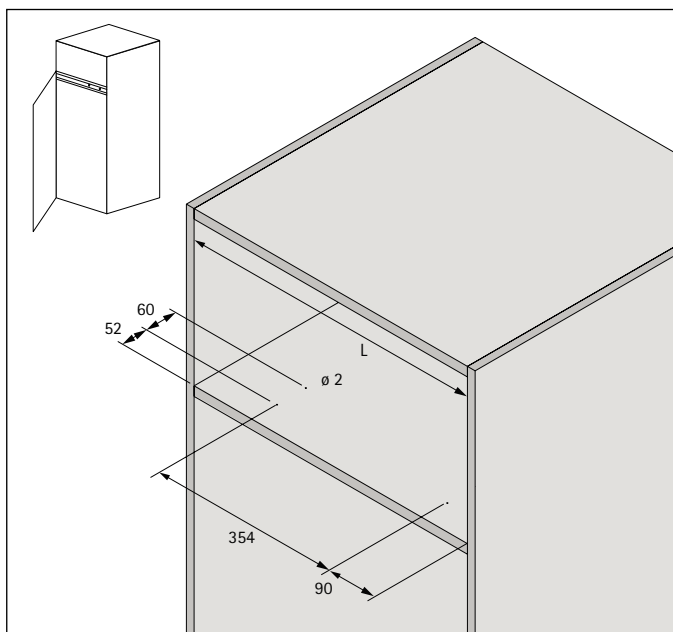
Design	Order no.	PU
with universal plug-in power supply	9 210 848	1 set

Drilling patterns

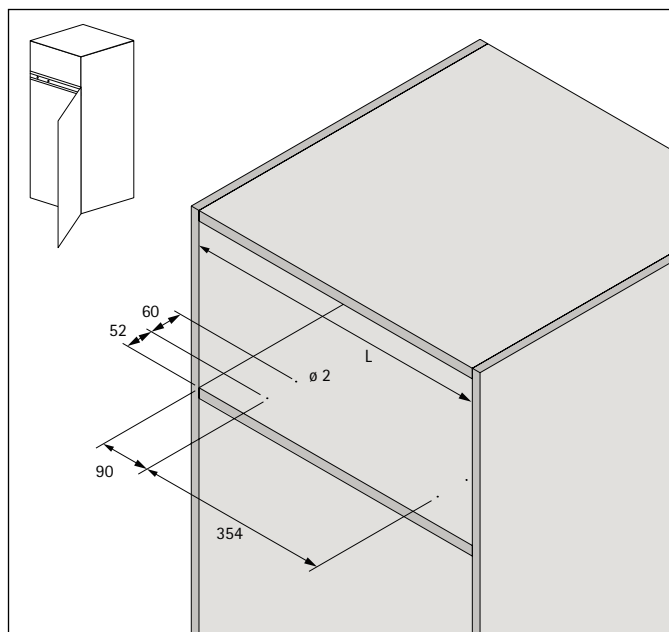


Installation videos:
www.hettich.com/short/13d76d

Drilling pattern for refrigerator door mounted on left



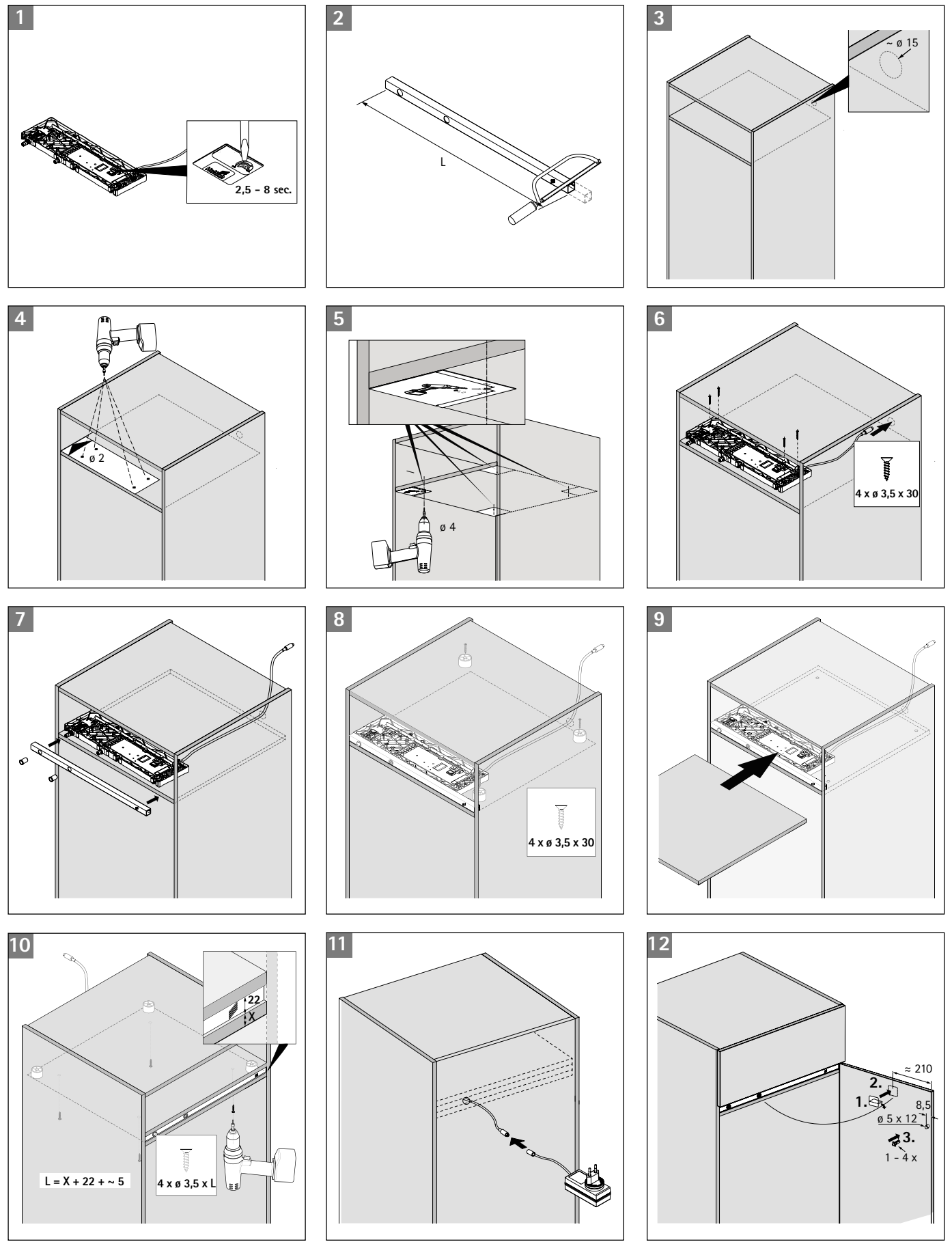
Drilling pattern for refrigerator door mounted on right



Easys electromechanical opening system

- For refrigerators
- For screwing on

Installation

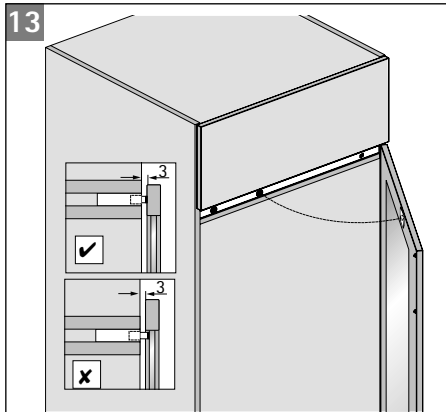


Easys electromechanical opening system

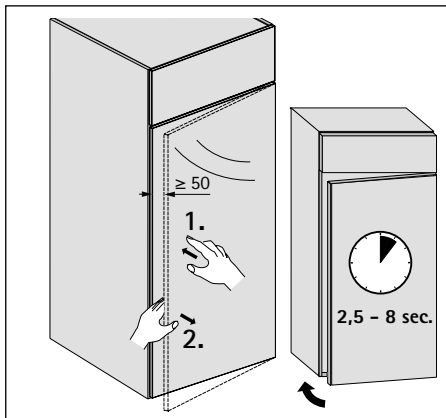
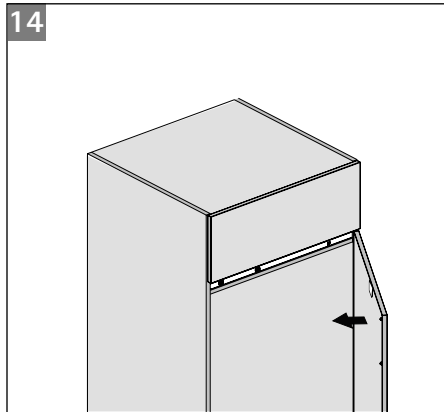
- For refrigerators
- For screwing on

Installation

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