



Fast-assembly hinge for a wealth of options.

Intermat

Technik für Möbel


Hettich

Intermat – Fast-assembly hinge for a wealth of options.



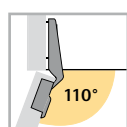


Intermat is the convenient fast-assembly hinge from Hettich.

It brings significant benefits to kitchen and furniture manufacturer as well as fitter and furniture user. For instance, with application versatility, easy and fast installation, convenient adjustment, appealing design, outstanding quality and the feel of luxury from quiet closure.



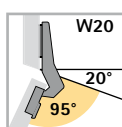
Intermat – always the right solution



Intermat 9943
110° opening angle



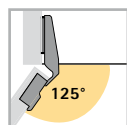
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Intermat 9936 W 20
for 20° face angle
95° opening angle



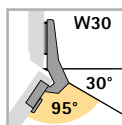
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Intermat 9944
125° opening angle



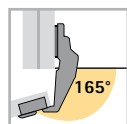
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Intermat 9936 W 30
for 30° face angle
95° opening angle



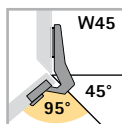
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Intermat 9956
165° opening angle



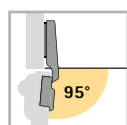
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Intermat 9936 W 45
for 45° face angle
95° opening angle



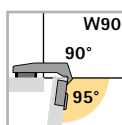
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Intermat 9936
for profile doors up to 32 mm thick
95° opening angle



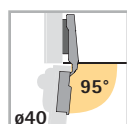
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Intermat 9936 W 90
for 90° face angle
95° opening angle



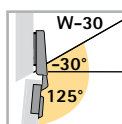
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Intermat 9935
for profile doors up to 43 mm thick
95° opening angle



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Intermat 9944 W-30
for -30° negative
face angle
125° opening angle



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Intermat provides a broad range of products with over 100 mounting options for any conceivable application. With various angle mounting styles and opening angles, such as for 110° or 125°, Intermat is the perfect choice for any purpose. The range includes profile door hinges, wide-angle hinges, hinges for glass doors, folding doors and aluminium frame doors as well as custom versions for special applications.

The product line-up is complemented by a choice of cup types and cup installation techniques together with mounting plates for 28 and 37-millimetre hole-line spacings.



	Intermat 9944 W-45 for -45° negative face angle 125° opening angle		Page 46 - 47		Intermat 9904 W30 for 30° face angle 95° opening angle		Page 56 - 57
	Intermat 9924 for wooden frame doors 95° opening angle		Page 48 - 49		Intermat 9904 W45 for 45° face angle 95° opening angle		Page 58 - 59
	Intermat 9924 W30 for 30° face angle 95° opening angle		Page 50 - 51		Intermat 9936 for aluminium frame doors 95° opening angle		Page 60 - 61
	Intermat 9924 W45 for 45° face angle 95° opening angle		Page 52 - 53		Intermat 9930 for corner-unit folding doors 50°/65° opening angle		Page 62 - 63
	Intermat 9904 for glass doors 95° opening angle		Page 54 - 55		Mounting plates System 9000 K Accessories		Page 64 - 68

Fitted and adjusted with effortless ease



Ergonomic snap-on assembly is the mark of the entire range of Intermat hinges. The clever part: no tools are needed for hanging the doors.

Easy to fit: A light press on the hinge is all it takes to clip it on to the mounting plate. The hinge snaps on with a click that can be clearly heard. This indicates that it's accurately locked in place.

Easy to remove: The hinge releases in response to a light press on the sliding latch. This makes furniture easier to handle when moving to a new home. The sliding latch is concealed beneath the hinge arm to prevent it from being moved accidentally - while cleaning for example.

Securely anchored

Intermat Fix is the hinge version that's distinguished by the unique cup attachment method. Installation merely involves folding over the function cap with a press of the thumb. That's all there is to it! The hinge cup is pulled into the hole and locked firmly in place. Truly professional!



Set for the future

Intermat hinges are distinguished by practical adjustment capabilities. Even after years of use, the furniture user can adjust doors with effortless ease. Demonstrating true adjustment convenience.

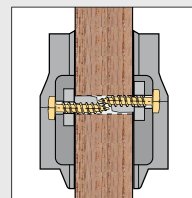
Depth adjustment: Depth is adjusted by means of a cam, saving the fitter a huge amount of time.

Height adjustment: The linear mounting plate also permits direct adjustment by eccentric cam. For precision door adjustment and perfect gap alignment.

"Hettich Direkt" for strength down the middle

Mounting plates from Hettich come with many advantages, broaden the options and help to save costs at the assembly stage.

This make the Hettich Direkt cross mounting plate ideal for attaching to centre panels in thicknesses of 15 millimetres and over. The locating pins for the hole line and asymmetrically positioned screws significantly improve tear-out strength. Hettich Direkt is also the perfect choice for other mounting options.



Quality that leaves no margin of doubt

Intermat means top quality and promises the user lasting satisfaction. For Hettich, ongoing internal inspections in the production process go without saying. These all-metal hinges also undergo regular external testing for strength and durability in conformity with LGA guidelines.

Tested quality – depend on it!



Perfected in form and function



Impressive in every respect

Attractively designed, the slim-line Intermat hinge is packed with high-tech features. The extremely shallow profile of the Intermat Fix, for instance, that stands a mere 3 millimetres proud of the front. There are no screw heads to be seen here, just clean lines, smooth surfaces and rounded contours.

The slim-line linear mounting plate is neatly concealed beneath the hinge arm. The rim on the cup covers the drill holes, concealing any jagged edges.

Keeping little fingers safe

The gaps between the moving parts of an Intermat hinge with 165° opening angle are never more than 7 mm. This means there's no risk of children's fingers getting hurt either.



Silent System – seen but never heard!



With the soft-closing system comes peace and quiet

Cushioned closure: shutting cupboards in a rush creates noise in the home. Doors slam closed. Silent System for Intermat controls closure, leaving doors to shut gently and quietly. For immediate peace and quiet, enhancing the feel of a home. With just one damper per standard door.

Can be fitted at any time: Whether as standard or optional, the kitchen or furniture manufacturer chooses when to provide Silent System soft-closure. The door damper is installed either during production or later on by the fitter when furniture is assembled.



For further information, please request our Silent System catalogue.



Elegant hinge cup

This particularly attractive soft-closing option can be used for standard door mounting styles. It screws to the hinge cup, forming a line with the hinge arm.



Screws on in seconds flat

This door damper is screwed to the cupboard's top or bottom panel with two wood screws without having to drill holes first. It's the option mainly used in special mounting applications, such as with angle or wide-angle hinges.



Snap-on convenience

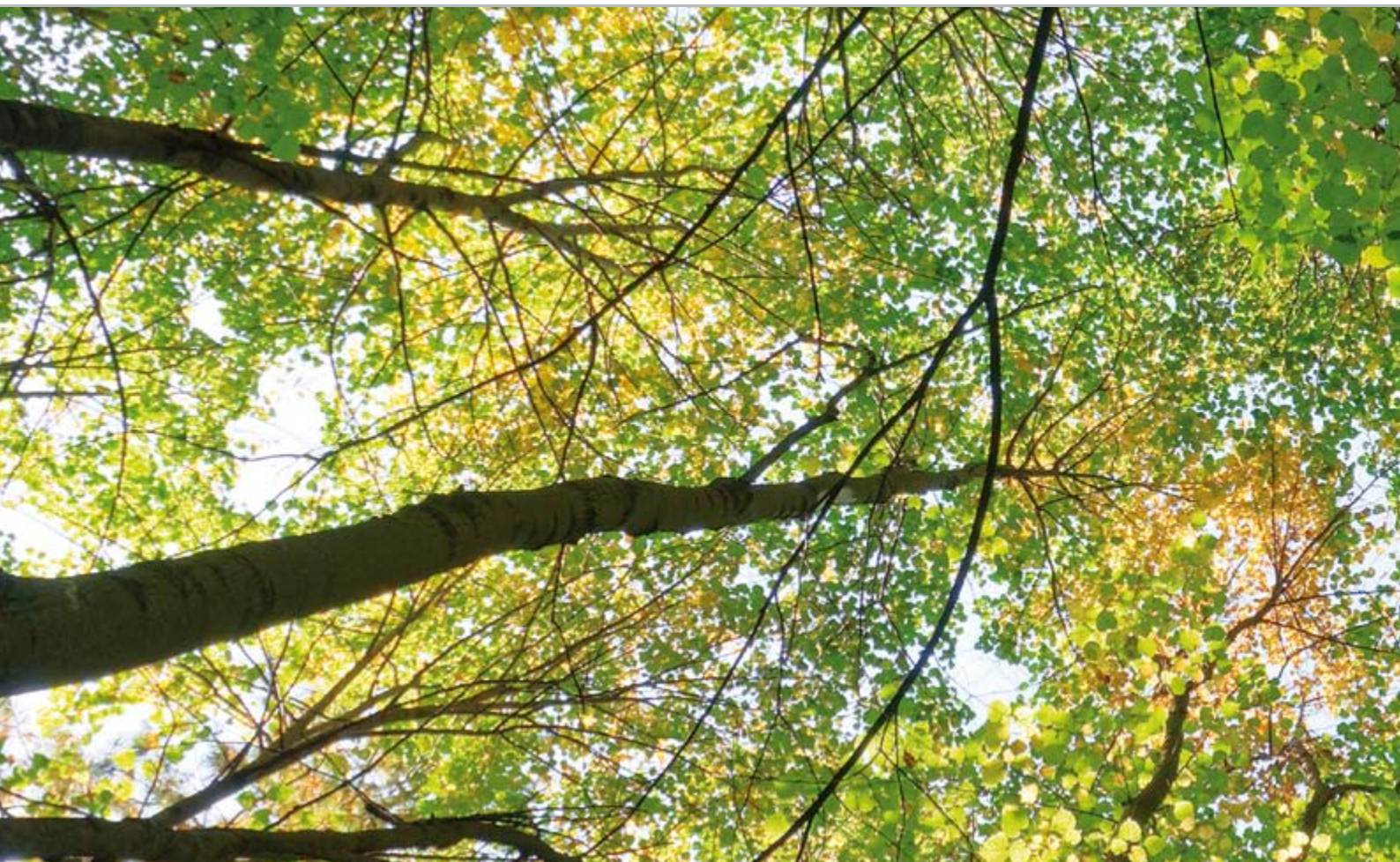
This version is ideal for aluminium frame doors because the frame requires no additional work. The damper simply clips onto the hinge.

Precision-adjusted soft closure

The cushioning effect on all three versions can be adjusted at a setting wheel – to suit personal perception as well as door size and door weight. A cover cap, with customised logo, can always be used because only one damper is required per standard kitchen door, leaving all of the remaining hinges vacant.



Hettich and the environment: committed to responsible practice, active protection, innovative thinking.



Hettich takes a responsibility for the world we live in. This awareness defines the strict policy of environmental management we practise. Our environmental officer has taken personal responsibility for these aspects throughout the company group over a period of many years. In addition, a separate environment committee has been established for each production site. We regard statutory provisions as minimum requirements. At significant sites we also implement the stringent EMAS Directive. And we drive forward developments that in future will help to save even more raw materials and support the necessary endeavours towards sustainability.



Hettich environmental management

Hettich started introducing effective environmental management systems under the stringent EMAS Regulation (currently: EC Regulation No. 761/2001, including EN ISO 14.001/2004) as long ago as 1996. This not only enables us to improve our environmental performance on a broad front but also achieve a high level of safety which, not least, also benefits our customers. This is why we also require our suppliers to meet the necessary minimum standards of environmental protection, industrial safety, health care and social welfare.

The results achieved in the drawer-runner and drawer-system product segment at the Kirchlegern operation illustrate the impressive effects these measures have and verifiably demonstrate our tireless endeavours to translate words into action:

Relief to the environment between 1997 and 2008:

Specific water consumption:	56 per cent
Specific power consumption:	21 per cent
Specific heat consumption:	84 per cent
Specific CO ₂ emissions:	29 per cent



Hettich standard for product materials

Hettich underpins its commitment by applying an internal standard for product materials. This ensures that every product – from production to disposal – satisfies all environmental requirements. Products from Hettich come with a long life. Appropriately foresighted, our rigorous standards are formulated to ensure that international legislation is met as well. This provides a reliable basis for marketing furniture world-wide.



Zero-energy building – Hettich Forum

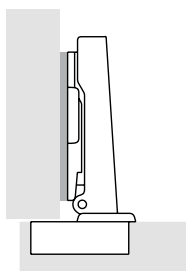
The Hettich Forum building with its neutral energy balance is a shining example of future-proof building design. Photovoltaic panels and solar collection system providing hot water as well as extensive roof greening and use of rain water underscore this building's overall sustainability concept in just the same way as the broad use of cellulose insulation material from recycled newspapers, highly efficient heat recovery and the bulb-free lighting concept do.

With the Hettich Group having acquired European Commission GreenBuilding Partner status on 5 March 2009, the comprehensive approach demonstrated by the Hettich Forum has also convinced the adjudicating panel of the national "Green Building Award 2009". Hettich received the first prize to be presented in the "New Building" category.



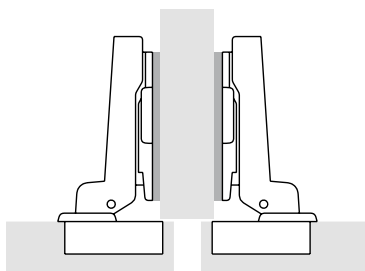
Mounting options:

There are three basic mounting options.



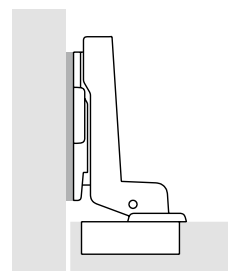
Full overlay:

This is where the door is positioned in front of the cabinet side panel, with only a small gap remaining at the side to provide the space necessary for door to open reliably.



Half overlay:

This is where two doors are positioned in front of a cabinet centre panel, with the required overall reveal between them. In other words, each door has a reduced overlay. Cranked hinges are used.



Inset:

This is where the door is positioned inside the cabinet, i.e. next to the cabinet side panel. Here too, a gap is needed so the door can open reliably. Highly cranked hinges are used here.

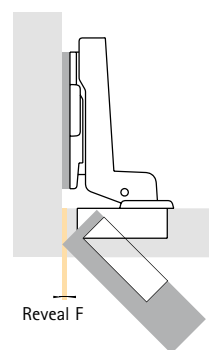
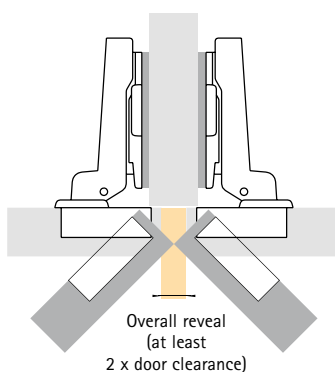
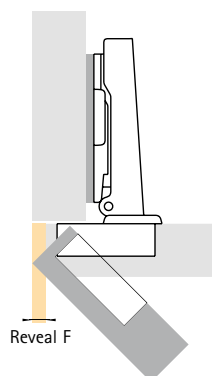
Minimum door reveal:

The minimum reveal, also known as door clearance or minimum clearance, is the space required at the side for opening a door.

The amount of door clearance depends on cup distance C, door thickness and the type of hinge selected. Rounded door edges reduce the minimum clearance.

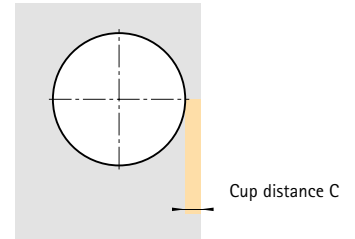
The required minimum reveal is shown in the table for the respective hinge types.

For half-overlay applications, 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.



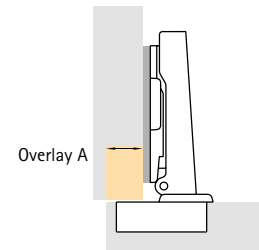
Cup distance C:

Cup distance C is the distance between door edge and the edge of the cup drilling. Resulting from the type of door movement, the maximum cup distance depends on the specific hinge type. The greater the distance selected for cup distance C, the smaller door clearance will be, i.e. the minimum reveal required.



Door overlay:

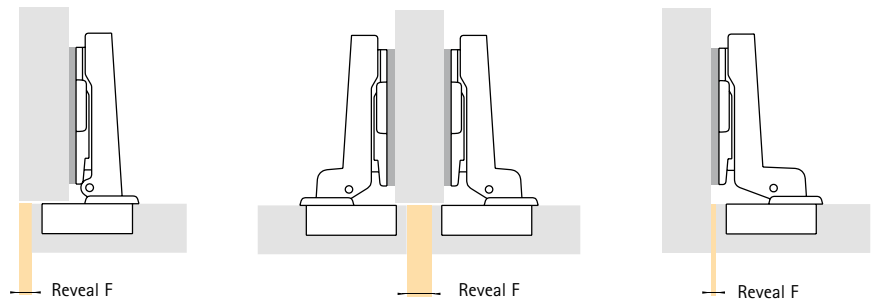
Door overlay, or overlay A, is the distance by which the door extends beyond the cabinet side.



Reveal F:

The reveal is the distance from the outer edge of the door to the outer side of the cabinet in the case of full overlay applications, and the distance between two doors in the case of half-overlay applications.

With the inset door, the reveal is the distance from the outer edge of the door to the inside of the cabinet side panel.



Number of hinges per door:

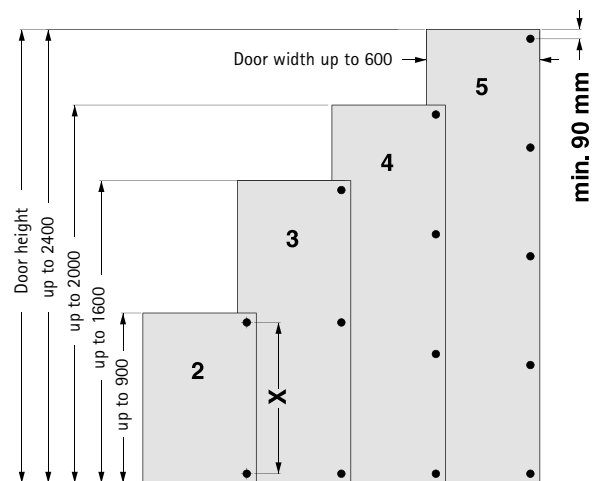
Door width, height, weight as well as door material quality are key factors in determining the number of hinges required.

In practice, these factors differ widely from one case to another. 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.

For reasons of stability, the distance between the hinges must always be made as large as possible.

X = hinge spacing

(Guide values for 19 mm chipboard panels in a density of 750 kg/m³)

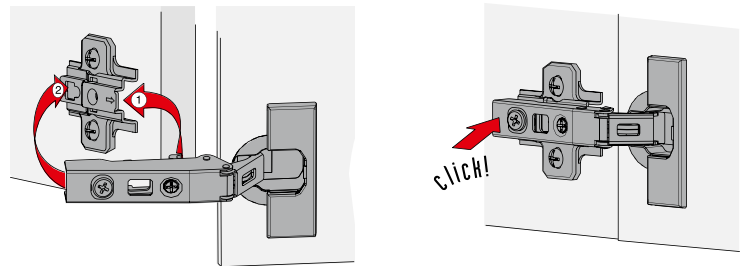


Installation / removal

Intermat hinges are distinguished by ergonomic snap-on assembly. The hinge is first threaded into the front of the mounting plate (1). The hinge arm can now be heard to engage on the mounting plate in response to a light press of the finger (2).

The hinge arm is now securely clamped to the plate at five points and with zero play.

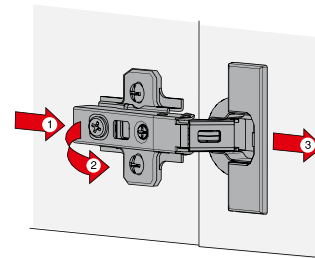
As a general rule, hinges are snapped on from top to bottom. Once fitted, the top-most hinge supports part of the door's weight.



Hinges are removed in the opposite sequence, i.e. from bottom to top, equally as ergonomically.

The hinge is released by lightly pressing the engagement catch (1) which is concealed beneath the side arm for safety reasons.

The hinge arm is now lifted off the mounting plate (2) and the door can be removed towards the front (3).



Distance D

Mounting plates are available in various thicknesses, with their effective height being identified by the distance value. The starting point for calculating the required distance is the chosen mounting option with defined door overlay or reveal. Proceeding from cup distance and door thickness, the first step is to determine the necessary minimum reveal from the table. If this is too large for the chosen overlay, the minimum reveal can be reduced by increasing cup distance C as well as by rounding the door edges. The distance required for the mounting plate is now determined using the formula relating to hinge cranking.

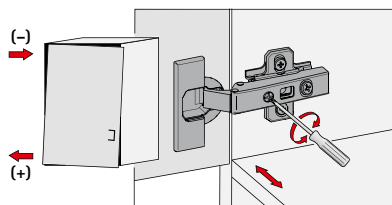
Example:

Half-overlay door, total reveal between two doors being 5 mm
Hinge 9943 (9.5 mm cranking)
Side panel thickness 18 mm, door thickness 22 mm,
ideal cup distance 3 mm

1. **Value given in the table for minimum reveal: 3.1 mm**, i.e. total reveal should be at least 6.2 mm.
Yet to obtain a total reveal of 5 mm, cup distance is increased to 5 mm and the door edges are rounded with a radius of 1 mm. The table now shows a minimum reveal of 2.4 mm, providing a total reveal of 5 mm.
2. **Door overlay A** = (side panel thickness - reveal) / 2 doors =
(18 mm - 5 mm) / 2 = **6.5 mm**
3. The formula for calculating distance for a 9.5 mm cranked hinge produces:
Distance D = cup distance C + 3.5 mm - overlay =
5 mm + 3.5 mm - 6.5 mm = **2 mm**
If the distance calculated is not available, the next smaller distance is selected.
So, in this example, a distance of 1.5 mm is selected and the hinge is moved across 0.5 mm by means of a side adjustment screw.

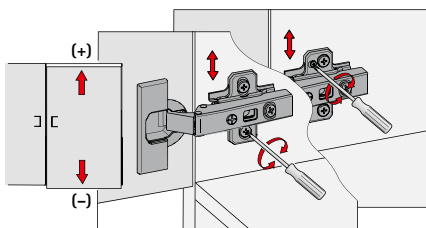
Door adjustment:

Overlay adjustment



Screw adjustment screw (A) in or out until the door is hanging straight.

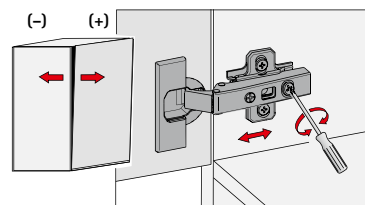
Height adjustment



Undo fixing screws a short distance and adjust height of door. Now retighten fixing screw.

Optionally, the adjustment cam on the mounting plate can be used for aligning door height

Depth adjustment by eccentric cam



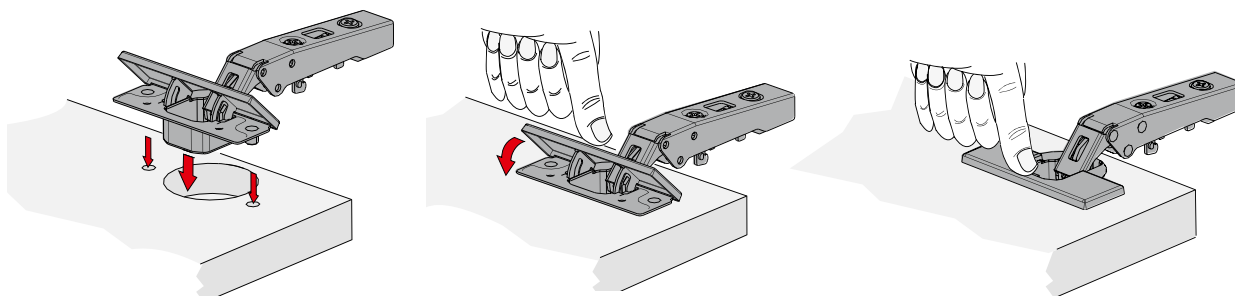
Correct the distance between door and cabinet side by turning the adjustment cam.

Turning anticlockwise: increases distance.
Turning clockwise: reduces distance

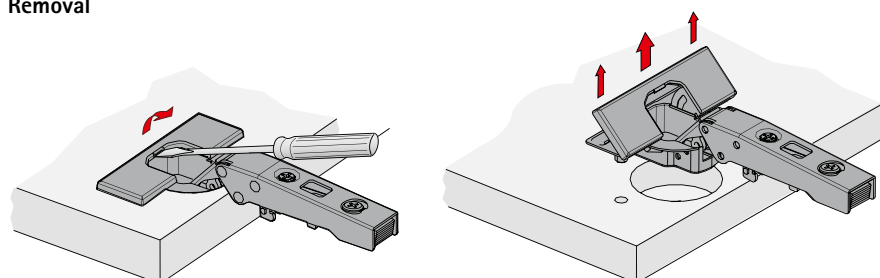
Fix toolless fast assembly:

As shown in these diagrams, installation of Intermat Fix hinges is toolless, while for safety reasons removing them requires a screwdriver.

Installation



Removal

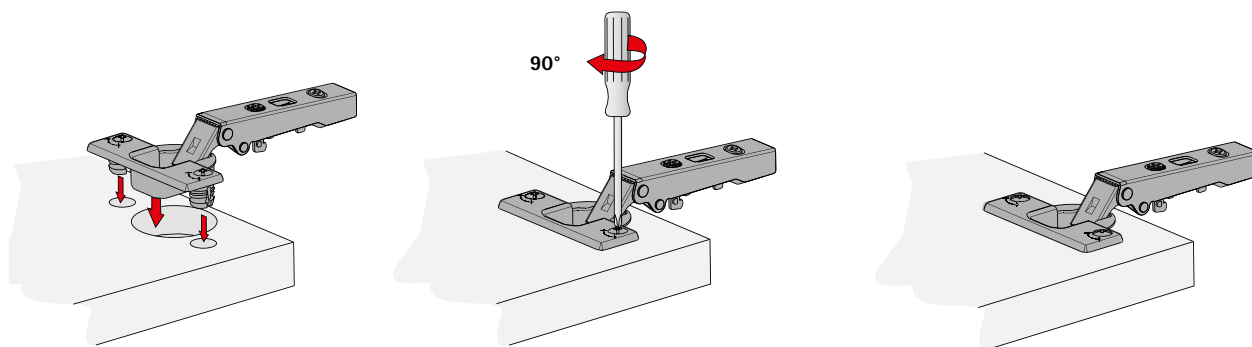


Flash fast assembly:

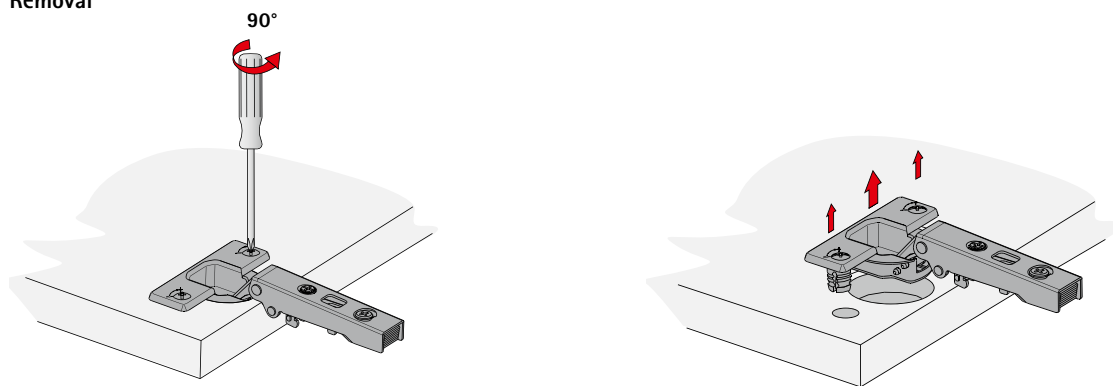
Flash fast assembly and disassembly requires the use of a standard crosshead screwdriver.

A single 90° turn of the Flash screw expands the socket firmly in the wood. A symbol on the mounting plate shows that the hinge is locked in place.

Installation



Removal



Hettich-Direkt – for an extra-strong connection

Hettich-Direkt is an innovative mounting-plate attachment system for centre panels in thicknesses of 15 mm and over. The plate is simply inserted into the standard hole line with its 5 mm diameter locating pins.

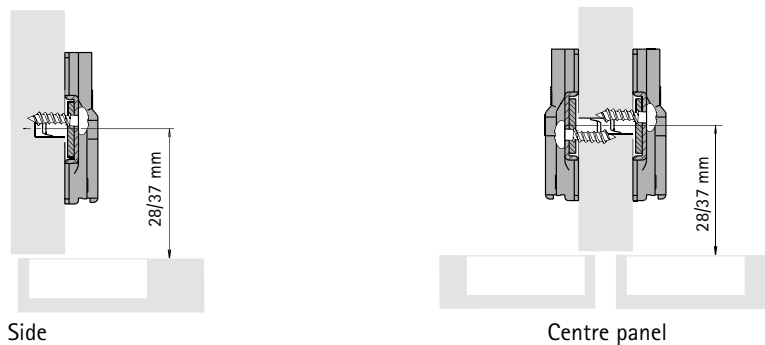
Positioned asymmetrically and pre-mounted in oblong holes, the screws are then driven into place.

As they are positioned asymmetrically, longer screws can be used, providing significantly better tear-out strength particularly for half-overlay applications.

This means a third fixing screw is not needed.

Full height adjustability is ensured.

Needless to say, Hettich-Direkt also makes a good choice for mounting doors to side panels.



Cam setting screw for added adjustment convenience

Intermat hinges are equipped with an adjustment cam for correcting door depth quickly and easily.

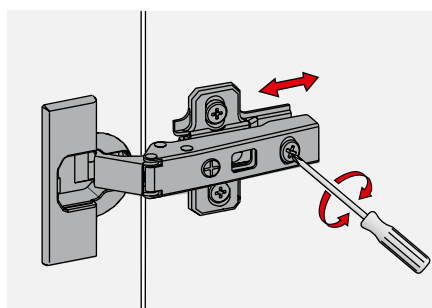
Adjustment is performed directly by turning the constrained cam screw with a screwdriver until the door is correctly positioned.

There is no need to undo screws and re-tighten them.

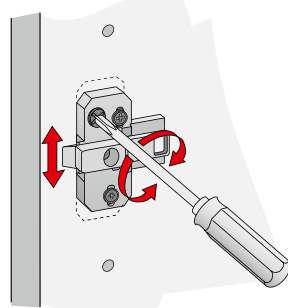
Ease of handling saves time.

Providing the same convenience, this adjustment mechanism has also been applied to mounting plates. Height can be adjusted directly both on cross as well as linear mounting plates without having to undo and tighten screws.

Consequently, the same time-saving and handling benefits are provided here too.

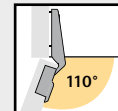


Depth adjustment
on the hinge



Cross mounting plate
Height adjustment

Fast-assembly hinge Intermat 9943 110° opening angle



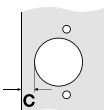
- Hole diameter 35 mm
- Cup distance C up to 6 mm
- Cup depth 11.6 mm
- With self-closing feature
- Overlay adjustment +1 mm/-2.5 mm
- Depth adjustment 4 mm



Cup assembly

Full overlay	Half overlay	Inset	PU
0 mm cranking	9.5 mm cranking	16 mm cranking	
1 029 518	1 030 620	1 030 922	200
1 029 520	1 030 622	1 030 924	200
1 029 522	1 030 921	1 030 925	200
1 031 071	1 031 072	1 039 054	200
1 063 454	1 063 457	1 063 459	200
1 063 453	1 063 456	1 063 458	200

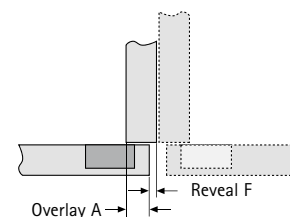
For hinge arm cover cap, see Accessories, page 67.

Cup distance C mm		Door thickness mm										
		15	16	17	18	19	20	21	22	23	24	25
		Minimum reveal (F) to allow per door (door clearance): for determining cup distance and mounting-plate distance										
	3	0.5	0.7	1.0	1.3	1.6	2.0	2.6	3.4	4.2	5.0	5.9
	4	0.5	0.7	0.9	1.2	1.5	1.9	2.4	3.0	3.8	4.6	5.4
	5	0.5	0.7	0.9	1.2	1.5	1.8	2.3	2.8	3.4	4.2	5.0
	6	0.4	0.6	0.9	1.1	1.4	1.8	2.2	2.6	3.2	3.9	4.6

The minimum reveal is reduced for doors with rounded edges:

Radius 1 mm: Values shown in table - 0.4 mm

Radius 3 mm: Values shown in table - 1.2 mm



Calculating required mounting-plate distance (D):

in relation to chosen door overlay (A) and cup distance (C)

Full-overlay door

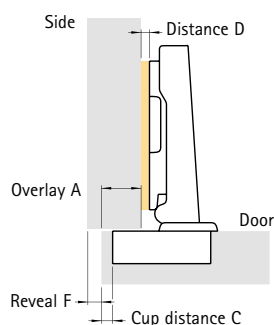
(0 mm hinge cranking)

Half-overlay door

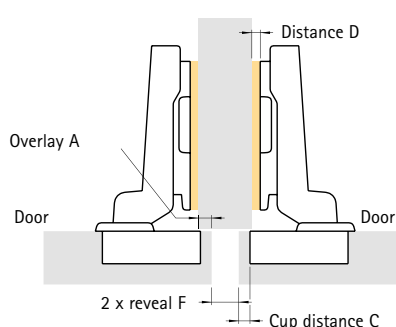
(9.5 mm hinge cranking)

Inset door

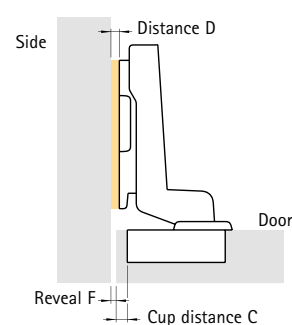
(16 mm hinge cranking)



$$\text{Distance D} = \text{Cup distance C} + 12.5 \text{ mm} - \text{overlay A}$$



$$\text{Distance D} = \text{Cup distance C} + 3.0 \text{ mm} - \text{overlay A}$$



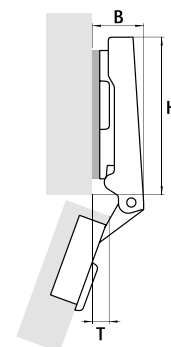
$$\text{Distance D} = \text{Cup distance C} - 3.5 \text{ mm} + \text{reveal F}$$

Door protrusion (T), hinge protrusion (B) and installed hinge depth (H):

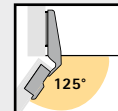
	Hinge cranking (mm)		
	K 0 mm (full overlay)	K 9.5 mm (half overlay)	K 16 mm (inset)
T* (mm)	7.5	17.0	23.5
B* (mm)	19.5	29.0	35.5
H** (mm)	66.0	66.0	66.0

*) Measurements refer to a mounting plate with 0 mm distance and 3 mm cup distance. If distance changes, the "T" and "B" dimensions increase accordingly.

**) Installed depth measured from inside door face

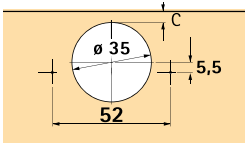
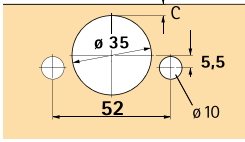
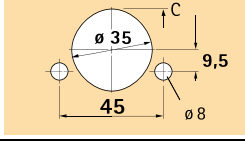
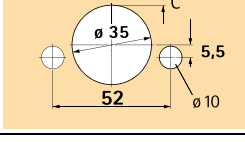
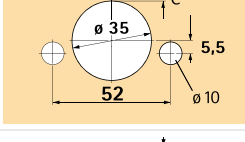
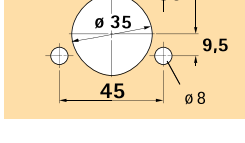


Fast-assembly hinge Intermat 9944 125° opening angle



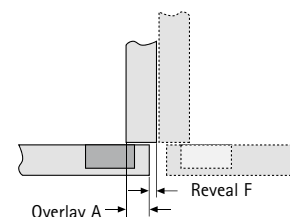
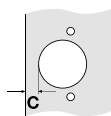
- Hole diameter 35 mm
- Cup distance C up to 5.5 mm
- Cup depth 12.7 mm
- With self-closing feature
- Overlay adjustment +1 mm/-2.5 mm
- Depth adjustment 4 mm



Cup assembly		Full overlay	Half overlay	PU
		0 mm cranking 	9.5 mm cranking 	
Screw-on: T 42		1 058 545	1 058 546	200
Press-in: T 43		1 058 547	1 058 548	200
T 43/10		1 058 549	1 058 550	200
Flash fast assembly: T 43/15		1 058 551	1 058 552	200
Fix fast assembly: T 45		1 063 462	1 063 464	200
T 45/10		1 063 461	1 063 463	200

For hinge arm cover cap, see Accessories, page 67.

Cup distance C mm	Door thickness mm												
	16	17	18	19	20	21	22	23	24	25	26	27	28
Minimum reveal (F) to allow per door (door clearance): for determining cup distance and mounting-plate distance													
3	1.1	1.4	1.7	2.1	2.5	3.0	3.6	4.2	5.0	5.8	6.6	7.5	8.4
4	1.1	1.3	1.6	2.0	2.4	2.8	3.4	4.0	4.7	5.4	6.2	7.0	7.9
4.5	1.0	1.3	1.6	2.0	2.3	2.8	3.3	3.9	4.5	5.2	6.0	6.8	7.6
5	1.0	1.3	1.6	1.9	2.3	2.7	3.2	3.8	4.4	5.1	5.8	6.6	7.4
5.5	1.0	1.3	1.6	1.9	2.3	2.7	3.1	3.7	4.3	4.9	5.6	6.4	7.2



The minimum reveal is reduced for doors with rounded edges:

Radius 1 mm: Values shown in table - 0.4 mm

Radius 3 mm: Values shown in table - 1.2 mm

Calculating required mounting-plate distance (D):

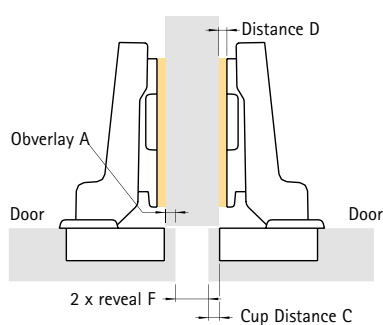
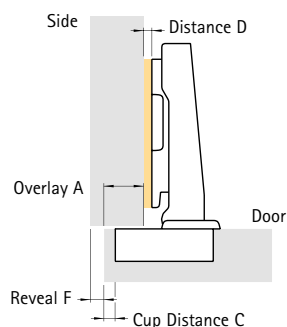
in relation to chosen door overlay (A) and cup distance (C)

Full-overlay door

(0 mm hinge cranking)

Half-overlay door

(9.5 mm hinge cranking)



Distance =
Cup distance C + 12.5 mm - overlay A

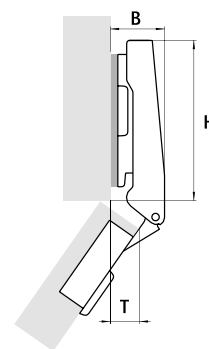
Distance D =
Cup distance C + 3.0 mm - overlay A

Door protrusion (T), hinge protrusion (B) and installed hinge depth (H):

	Hinge cranking (mm)	
	K 0 mm (full overlay)	K 9.5 mm (half overlay)
T* (mm)	8.5	18.0
B* (mm)	19.5	29.0
H** (mm)	66.0	66.0

*) Measurements refer to a mounting plate with 0 mm distance and 3 mm cup distance. If distance changes, the "T" and "B" dimensions increase accordingly.

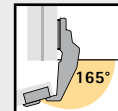
**) Installed depth measured from inside door face



Fast-assembly hinge – zero protrusion

Intermat 9956

165° opening angle



- Hole diameter 35 mm
- Cup distance C up to 6 mm
- Cup depth 11.6 mm
- With self-closing feature
- Overlay adjustment +1 mm/-2.5 mm
- Depth adjustment 4 mm



Cup assembly

Full overlay

0 mm cranking



Half overlay

9.5 mm cranking



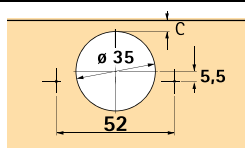
Inset

9.5 mm cranking



PU

Screw-on:
T 42



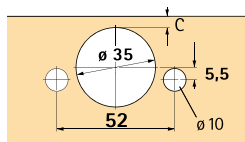
1 073 298

1 073 305

1 073 305*

100

Press-in:
T 43



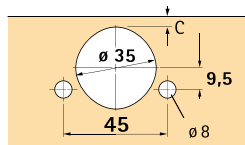
1 073 310

1 073 369

1 073 369*

100

T 43/10



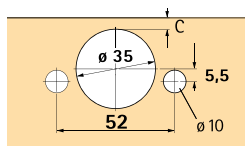
1 073 385

1 073 407

1 073 407*

100

Flash fast assembly:
T 43/15



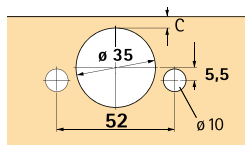
1 073 408

1 073 409

1 073 409*

100

Fix fast assembly:
T 45



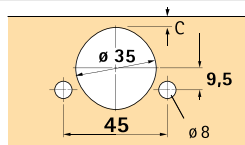
1 073 371

1 073 373

1 073 373*

100

T 45/10



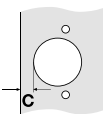
1 073 376

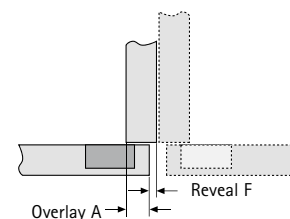
1 073 380

1 073 380*

100

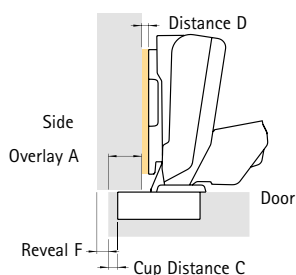
* Only with 8 mm mounting plate or in conjunction with parallel spacer plates (see page 67).

Cup distance C mm		Door thickness mm								
		16	17	18	19	20	21	22	23	24
		Minimum reveal (F) to allow per door (door clearance): for determining cup distance and mounting-plate distance								
	3	0	0	0	0	0	0	0	0	0
	4	0	0	0	0	0	0	0	0	0
	5	0	0	0	0	0	0	0	0	0
	6	0	0	0	0	0	0	0	0	4.5



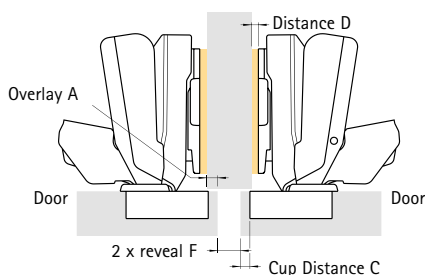
Calculating required mounting-plate distance (D):
in relation to chosen door overlay (A) and cup distance (C)

Full-overlay door
(0 mm hinge cranking)



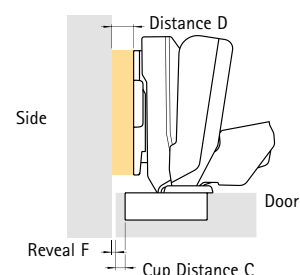
$$\text{Distance D} = \text{Cup distance C} + 12.5 \text{ mm} - \text{overlay A}$$

Half-overlay door
(9.5 mm hinge cranking)



$$\text{Distance D} = \text{Cup distance C} + 3.0 \text{ mm} - \text{overlay A}$$

Inset door
(9.5 mm hinge cranking)



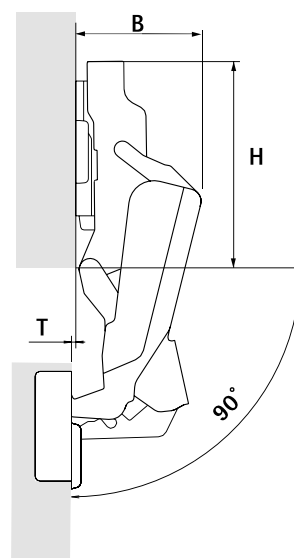
$$\text{Distance D} = \text{Cup distance C} + 3.0 \text{ mm} + \text{reveal F}$$

Door protrusion (T), hinge protrusion (B) and installed hinge depth (H):

	Hinge cranking (mm)	
	K 0 mm (full overlay)	K 9.5 mm (half overlay)
T* (mm)	-0.8	8.7
B* (mm)	58.5	68.0
H** (mm)	66.5	66.5

*) Measurements refer to a mounting plate with 0 mm distance and 3 mm cup distance. If distance changes, the "T" and "B" dimensions increase accordingly.

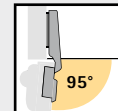
**) Installed depth measured from inside door face



Fast-assembly hinge for profile doors up to 32 mm thick

Intermat 9936

95° opening angle



- Hole diameter 35 mm
- Cup distance C up to 8 mm
- Cup depth 11.1 mm (11.6 mm Fix)
- With self-closing feature
- Overlay adjustment +2.5 mm/-2.5 mm
- Depth adjustment 4 mm



Cup assembly

Full overlay

0 mm cranking



Half overlay

9.5 mm cranking



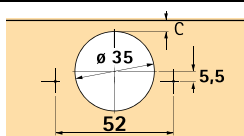
Inset

16 mm cranking



PU

Screw-on:
T 42



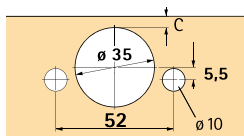
1 058 365

1 058 366

1 058 367

200

Press-in:
T 43



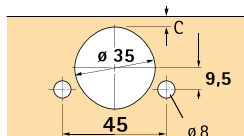
1 058 371

1 058 372

1 058 373

200

T 43/10



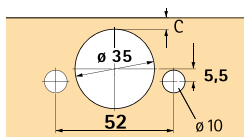
1 058 445

1 058 446

1 058 447

200

Flash fast assembly:
T 43/15



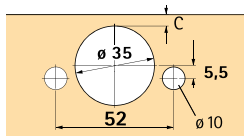
1 058 451

1 058 452

1 058 453

200

Fix fast assembly:
T 45



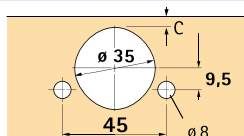
1 063 472

1 063 474

1 063 476

200

T 45/10



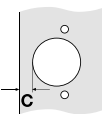
1 063 471

1 063 473

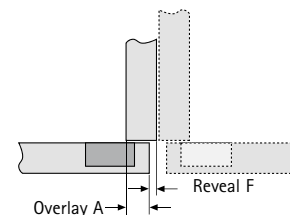
1 063 475

200

For hinge arm cover cap, see Accessories, page 67.

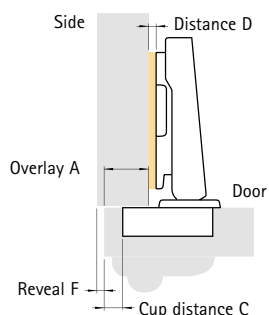
Cup distance C mm		Door thickness mm																		
		14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
		Minimum reveal (F) to allow per door (door clearance): for determining cup distance and mounting-plate distance																		
	3	0.2	0.4	0.5	0.7	0.9	1.1	1.3	1.6	1.9	2.3	2.7	3.1	3.7	4.5	5.4	6.2	7.1	8.0	9.0
	4	0.2	0.4	0.5	0.7	0.8	1.1	1.3	1.6	1.9	2.2	2.6	3.0	3.5	4.1	4.9	5.7	6.6	7.5	8.4
	4.5	0.2	0.4	0.5	0.7	0.8	1.1	1.3	1.6	1.8	2.2	2.5	2.9	3.4	4.0	4.7	5.5	6.3	7.2	8.1
	5	0.2	0.3	0.5	0.6	0.8	1.0	1.3	1.5	1.8	2.1	2.5	2.9	3.3	3.9	4.5	5.3	6.1	7.0	7.8
	6	0.2	0.3	0.5	0.6	0.8	1.0	1.2	1.5	1.8	2.1	2.4	2.8	3.2	3.7	4.3	4.9	5.7	6.5	7.3
	7	0.2	0.3	0.5	0.6	0.8	1.0	1.2	1.5	1.7	2.0	2.4	2.7	3.1	3.6	4.1	4.7	5.4	6.1	6.9
	8	0.2	0.3	0.5	0.6	0.8	1.0	1.2	1.4	1.7	2.0	2.3	2.7	3.0	3.5	3.9	4.5	5.1	5.8	6.5

The minimum reveal is reduced for doors with rounded edges:
Radius 1 mm: Values shown in table - 0.4 mm
Radius 3 mm: Values shown in table - 1.2 mm
For maximum door contour for hairline reveal, refer to page 30



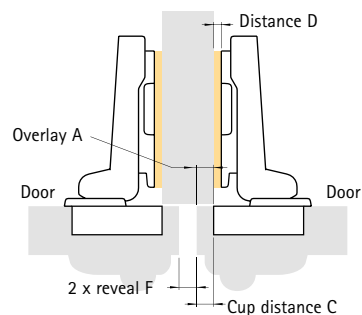
Calculating required mounting-plate distance (D):
in relation to chosen door overlay (A) and cup distance (C)

Full-overlay door
(0 mm hinge cranking)



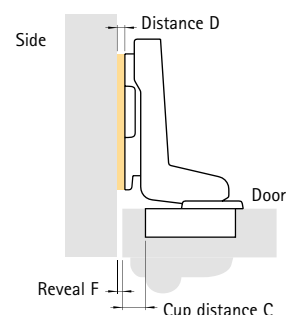
Distance D =
Cup distance C + 12.5 mm - overlay A

Half-overlay door
(9.5 mm hinge cranking)



Distance D =
Cup distance C + 3.0 mm - overlay A

Inset door
(16 mm hinge cranking)



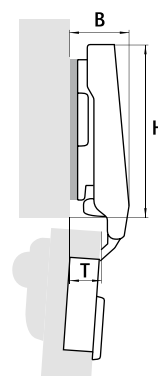
Distance D =
Cup distance C - 3.0 mm + reveal F

Door protrusion (T), hinge protrusion (B) and installed hinge depth (H):

	Hinge cranking (mm)		
	K 0 mm (full overlay)	K 9.5 mm (half overlay)	K 16 mm (inset)
T* (mm)	10.0	19.5	26.0
B* (mm)	19.5	29.0	35.5
H** (mm)	66.0	66.0	66.0

*) Measurements refer to a mounting plate with 0 mm distance and 3 mm cup distance. If distance changes, the "T" and "B" dimensions increase accordingly.

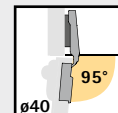
**) Installed depth measured from inside door face



Fast-assembly hinge for profile doors up to 43 mm thick

Intermat 9935

95° opening angle



- Hole diameter 40 mm
- Cup distance C up to 11 mm
- Cup depth 13.7 mm
- With self-closing feature
- Overlay adjustment +0.5 mm/-3 mm
- Depth adjustment 4 mm



Cup assembly

Full overlay

-5 mm
cranking



Half overlay

5 mm
cranking



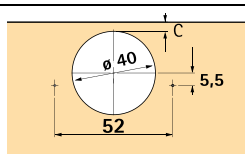
Inset

16 mm
cranking



PU

Screw-on:
T 22



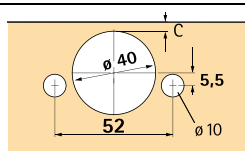
1 065 672

1 065 673

1 065 674

200

Press-in:
T 23

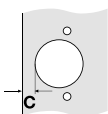


1 065 675

1 065 676

1 065 677

200

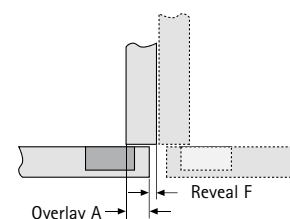
Cup distance C mm		Door thickness mm																											
		16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43
		Minimum reveal (F) to allow per door (door clearance): for determining cup distance and mounting-plate distance																											
	3	0	0.1	0.2	0.2	0.3	0.4	0.5	0.7	0.8	1.0	1.2	1.4	1.6	1.8	2.0	2.3	2.6	3.4	4.3	5.3	6.2	7.2	8.2	9.1	10.7	11.1	12.1	13.0
	4	0	0.1	0.2	0.2	0.3	0.4	0.5	0.7	0.8	1.0	1.1	1.3	1.5	1.8	2.0	2.3	2.5	2.8	3.7	4.6	5.6	6.8	7.4	8.4	9.4	10.3	11.3	12.3
	4.5	0	0.1	0.2	0.2	0.3	0.4	0.5	0.7	0.8	1.0	1.1	1.3	1.5	1.7	2.0	2.2	2.5	2.8	3.4	4.3	5.2	6.2	7.1	8.1	9.0	10.0	10.9	11.9
	5	0	0.1	0.2	0.2	0.3	0.4	0.5	0.7	0.8	1.0	1.1	1.3	1.5	1.7	2.0	2.2	2.5	2.8	3.1	4.0	4.9	5.8	6.8	7.7	8.7	9.6	10.6	11.5
	6	0	0.1	0.2	0.2	0.3	0.4	0.5	0.6	0.8	0.9	1.1	1.3	1.5	1.7	1.9	2.2	2.4	2.7	3.0	3.4	4.3	5.2	6.1	7.1	8.0	8.9	9.9	10.8
	7	0	0.1	0.2	0.2	0.3	0.4	0.5	0.6	0.8	0.9	1.1	1.3	1.5	1.7	1.9	2.2	2.4	2.7	3.0	3.3	3.8	4.6	5.5	6.4	7.4	8.3	9.2	10.1
	8	0	0.1	0.2	0.2	0.3	0.4	0.5	0.6	0.8	0.9	1.1	1.3	1.4	1.7	1.9	2.1	2.4	2.6	2.9	3.2	3.6	4.1	5.0	5.9	6.8	7.7	8.6	9.5
	9	0	0.1	0.2	0.2	0.3	0.4	0.5	0.6	0.8	0.9	1.1	1.2	1.4	1.6	1.9	2.1	2.3	2.6	2.9	3.2	3.5	3.9	4.5	5.4	6.2	7.1	8.0	8.9
	10	0	0.1	0.2	0.2	0.3	0.4	0.5	0.6	0.7	0.9	1.0	1.2	1.4	1.6	1.8	2.1	2.3	2.6	2.8	3.1	3.5	3.8	4.2	4.9	5.7	6.6	7.5	8.3
	11	0	0.1	0.2	0.2	0.3	0.4	0.5	0.6	0.7	0.9	1.0	1.2	1.4	1.6	1.8	2.0	2.3	2.5	2.8	3.1	3.4	3.7	4.1	4.5	5.3	6.1	7.0	7.8

The minimum reveal is reduced for doors with rounded edges:

Radius 1 mm: Values shown in table - 0.4 mm

Radius 3 mm: Values shown in table - 1.2 mm

For maximum door contour for hairline reveal, refer to page 31

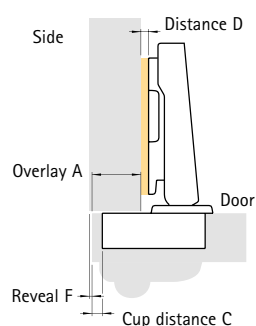


Calculating required mounting-plate distance (D):

in relation to chosen door overlay (A) and cup distance (C)

Full-overlay door

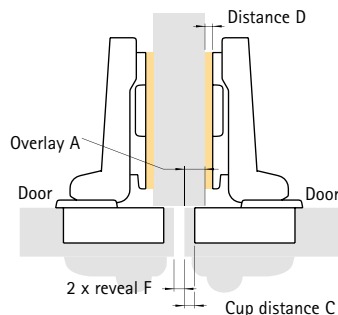
(-5 mm hinge cranking)



$$\text{Distance D} = \text{Cup distance C} + 18 \text{ mm} - \text{overlay A}$$

Half-overlay door

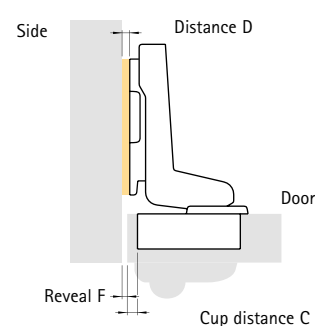
(5 mm hinge cranking)



$$\text{Distance D} = \text{Cup distance C} + 8.0 \text{ mm} - \text{overlay A}$$

Inset door

(16 mm hinge cranking)



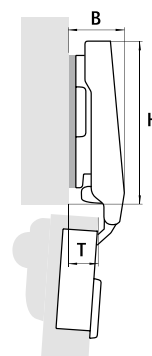
$$\text{Distance D} = \text{Cup distance C} - 3.0 \text{ mm} + \text{reveal F}$$

Door protrusion (T), hinge protrusion (B) and installed hinge depth (H):

	Hinge cranking (mm)		
	K -5 mm (full overlay)	K 5 mm (half overlay)	K 16 mm (inset)
T* (mm)	10.5	20.5	31.5
B* (mm)	20.0	30.0	41.0
H** (mm)	65.0	65.0	65.0

*) Measurements refer to a mounting plate with 0 mm distance and 3 mm cup distance. If distance changes, the "T" and "B" dimensions increase accordingly.

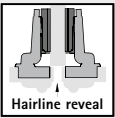
**) Installed depth measured from inside door face



Technical Information, see page 14 – 19.

Mounting plates, see page 64 – 66.

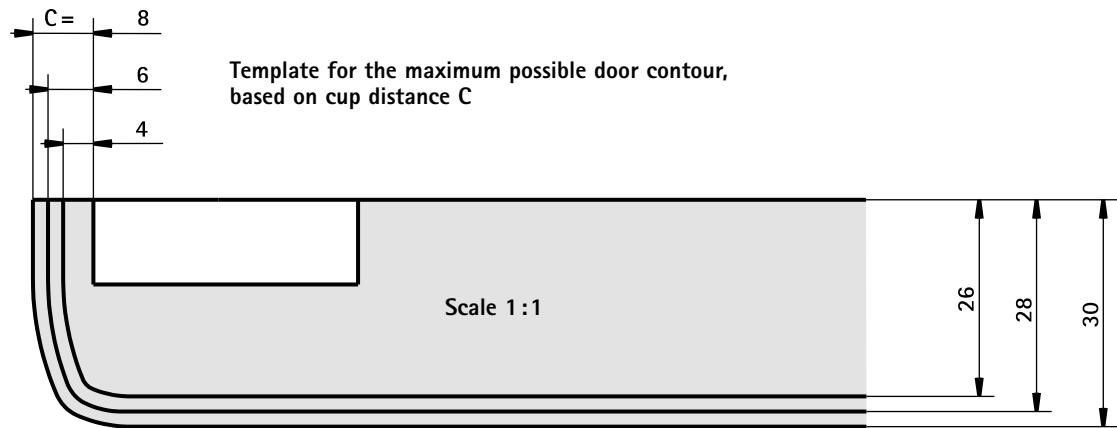
Hairline reveal for profile door hinge Intermat 9936



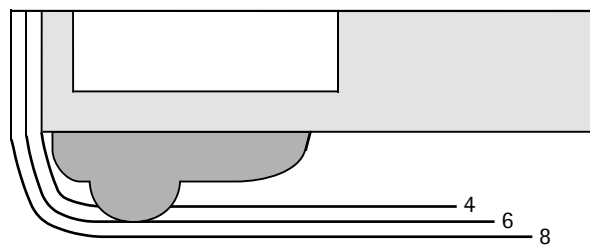
The values shown in the "Minimum reveal" table refer to non-rounded door edges.

Reveal values improve if door edges are rounded.

To obtain a hairline reveal, the chosen door contour must lie within the maximum possible door contour produced by the cup distance. All contours protruding beyond the template will increase the reveal accordingly.

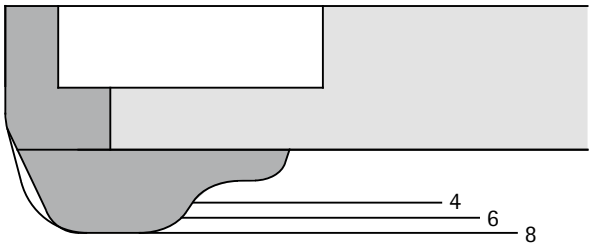


Example



Example of hairline reveal

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



Example of hairline reveal

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

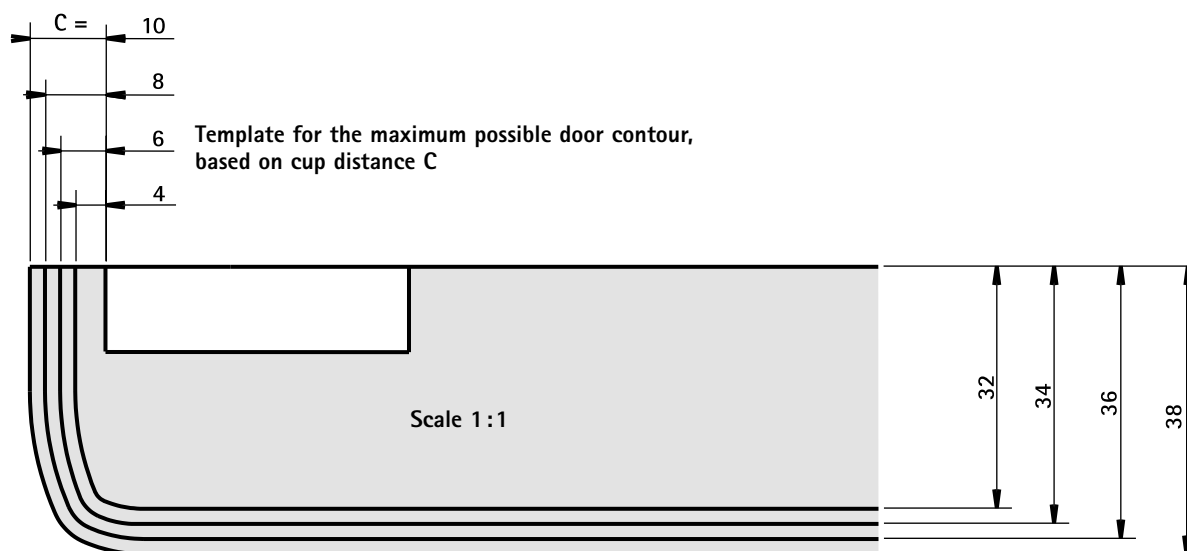
Hairline reveal for profile door hinge Intermat 9935 Cup ø 40 mm



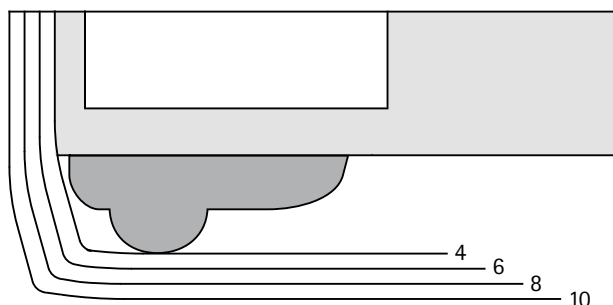
The values shown in the "Minimum reveal" table refer to non-rounded door edges.

Reveal values improve if door edges are rounded.

To obtain a hairline reveal, the chosen door contour must lie within the maximum possible door contour produced by the cup distance. All contours protruding beyond the template will increase the reveal accordingly.

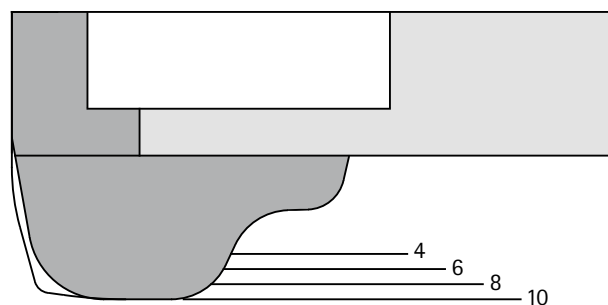


Example



Example of hairline reveal

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



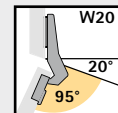
Example of hairline reveal

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

Fast-assembly hinge for 20° face angle

Intermat 9936 W20

95° opening angle



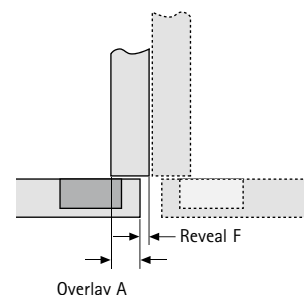
- Hole diameter 35 mm
- Cup distance C up to 8 mm
- Cup depth 11.1 mm (11.6 mm Fix)
- With self-closing feature
- Overlay adjustment +2 mm/-2.5 mm
- Depth adjustment 4 mm



Cup assembly		Full overlay 0 mm cranking	Full overlay 7 mm cranking	PU
Screw-on: T 42		1 078 647	1 061 828	200
Press-in: T 43		1 078 648	1 061 851	200
T 43/10		on request	1 061 859	200
Flash fast assembly: T 43/15		on request	1 061 342	200
Fix fast assembly: T 45		on request	1 065 079	200
T 45/10		on request	1 065 080	200

For hinge arm cover cap, see Accessories, page 67.

Cup distance C mm		Door thickness mm																			
		14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	
		Minimum reveal (F) to allow per door (door clearance): for determining cup distance and mounting-plate distance																			
	3	0.2	0.4	0.5	0.7	0.9	1.1	1.3	1.6	1.9	2.3	2.7	3.1	3.7	4.5	5.4	6.2	7.1	8.0	9.0	
	4	0.2	0.4	0.5	0.7	0.8	1.1	1.3	1.6	1.9	2.2	2.6	3.0	3.5	4.1	4.9	5.7	6.6	7.5	8.4	
	4.5	0.2	0.4	0.5	0.7	0.8	1.1	1.3	1.6	1.8	2.2	2.5	2.9	3.4	4.0	4.7	5.5	6.3	7.2	8.1	
	5	0.2	0.3	0.5	0.6	0.8	1.0	1.3	1.5	1.8	2.1	2.5	2.9	3.3	3.9	4.5	5.3	6.1	7.0	7.8	
	6	0.2	0.3	0.5	0.6	0.8	1.0	1.2	1.5	1.8	2.1	2.4	2.8	3.2	3.7	4.3	4.9	5.7	6.5	7.3	
	7	0.2	0.3	0.5	0.6	0.8	1.0	1.2	1.5	1.7	2.0	2.4	2.7	3.1	3.6	4.1	4.7	5.4	6.1	6.9	
	8	0.2	0.3	0.5	0.6	0.8	1.0	1.2	1.4	1.7	2.0	2.3	2.7	3.0	3.5	3.9	4.5	5.1	5.8	6.5	



The minimum reveal is reduced for doors with rounded edges:
 Radius 1 mm: Values shown in table - 0.4 mm
 Radius 3 mm: Values shown in table - 1.2 mm

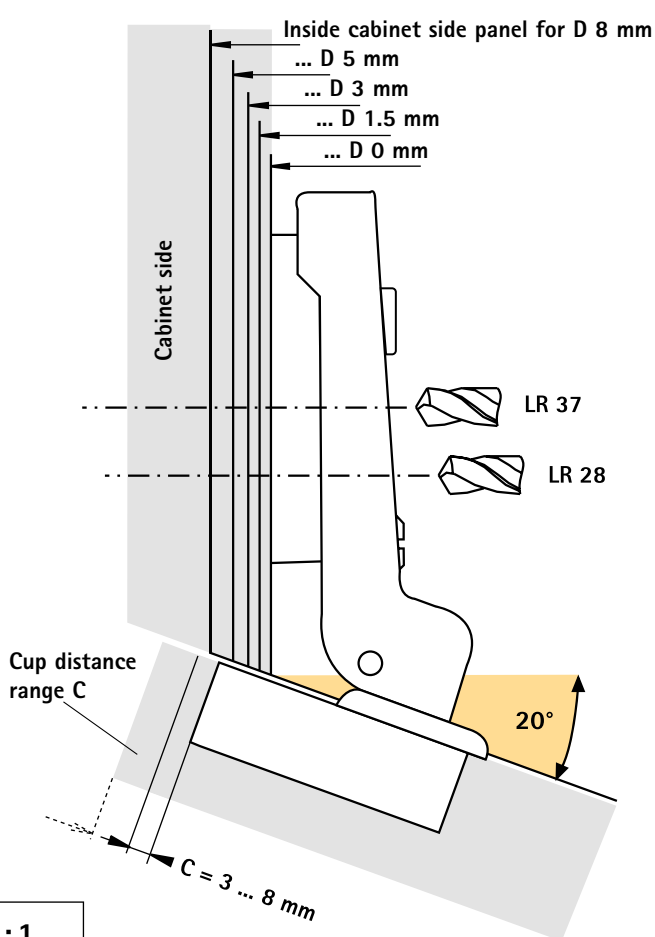
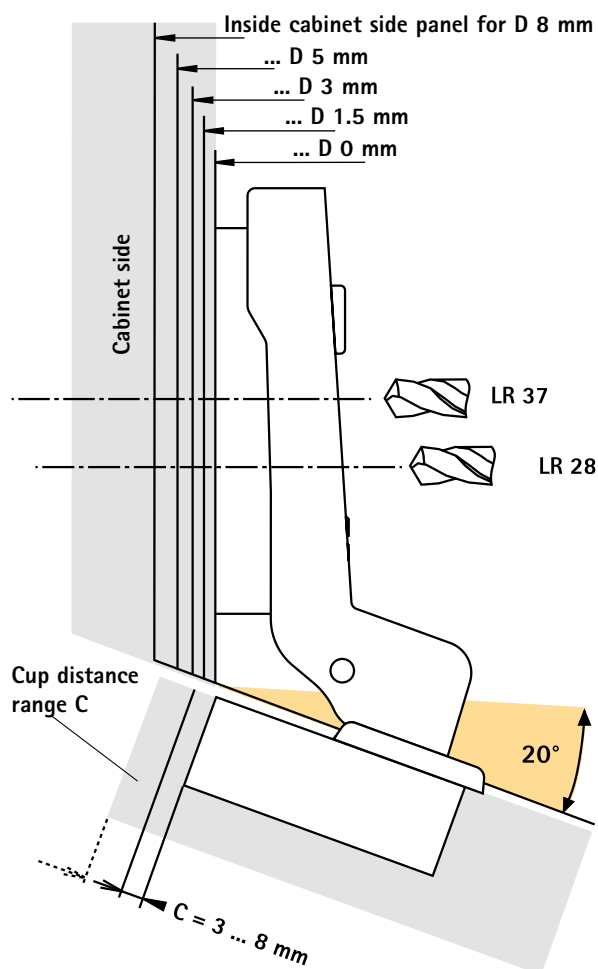
Calculating required mounting-plate distance (D) and hole-line distance (LR) to allow:
 Take the measurements in the diagrams below for the required door overlay (A) and cup distance (C).

Full-overlay door (0 mm hinge cranking)

Full-overlay door (7 mm hinge cranking)

$$\text{Distance D} = 0.94 \times (\text{cup distance C} + 0 \text{ mm} - \text{overlay A})$$

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

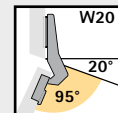


Scale 1:1

Fast-assembly hinge for 20° face angle

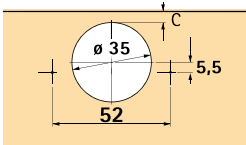
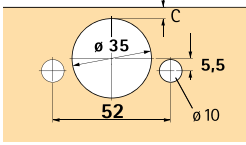
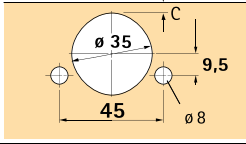
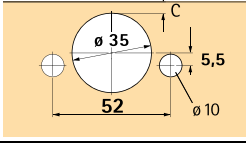
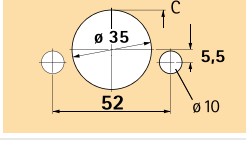
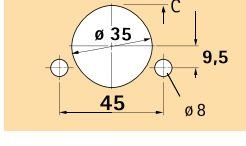
Intermat 9936 W20

95° opening angle

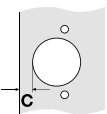


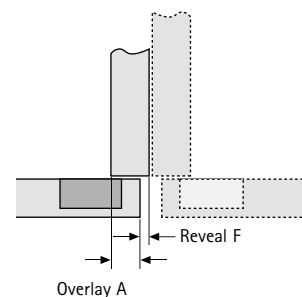
- Hole diameter 35 mm
- Cup distance C up to 8 mm
- Cup depth 11.1 mm (11.6 mm Fix)
- With self-closing feature
- Overlay adjustment +2 mm/-2.5 mm
- Depth adjustment 4 mm



Cup assembly	Inset	PU
	-9 mm cranking 	
Screw-on: T 42		1 061 837 200
Press-in: T 43		1 061 852 200
T 43/10		1 061 860 200
Flash fast assembly: T 43/15		1 061 339 200
Fix fast assembly: T 45		1 065 081 200
T 45/10		1 065 082 200

For hinge arm cover cap, see Accessories, page 67.

Cup distance C mm		Door thickness mm																			
		14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	
		Minimum reveal (F) to allow per door (door clearance): for determining cup distance and mounting-plate distance																			
	3	0.2	0.4	0.5	0.7	0.9	1.1	1.3	1.6	1.9	2.3	2.7	3.1	3.7	4.5	5.4	6.2	7.1	8.0	9.0	
	4	0.2	0.4	0.5	0.7	0.8	1.1	1.3	1.6	1.9	2.2	2.6	3.0	3.5	4.1	4.9	5.7	6.6	7.5	8.4	
	4.5	0.2	0.4	0.5	0.7	0.8	1.1	1.3	1.6	1.8	2.2	2.5	2.9	3.4	4.0	4.7	5.5	6.3	7.2	8.1	
	5	0.2	0.3	0.5	0.6	0.8	1.0	1.3	1.5	1.8	2.1	2.5	2.9	3.3	3.9	4.5	5.3	6.1	7.0	7.8	
	6	0.2	0.3	0.5	0.6	0.8	1.0	1.2	1.5	1.8	2.1	2.4	2.8	3.2	3.7	4.3	4.9	5.7	6.5	7.3	
	7	0.2	0.3	0.5	0.6	0.8	1.0	1.2	1.5	1.7	2.0	2.4	2.7	3.1	3.6	4.1	4.7	5.4	6.1	6.9	
8	0.2	0.3	0.5	0.6	0.8	1.0	1.2	1.4	1.7	2.0	2.3	2.7	3.0	3.5	3.9	4.5	5.1	5.8	6.5		

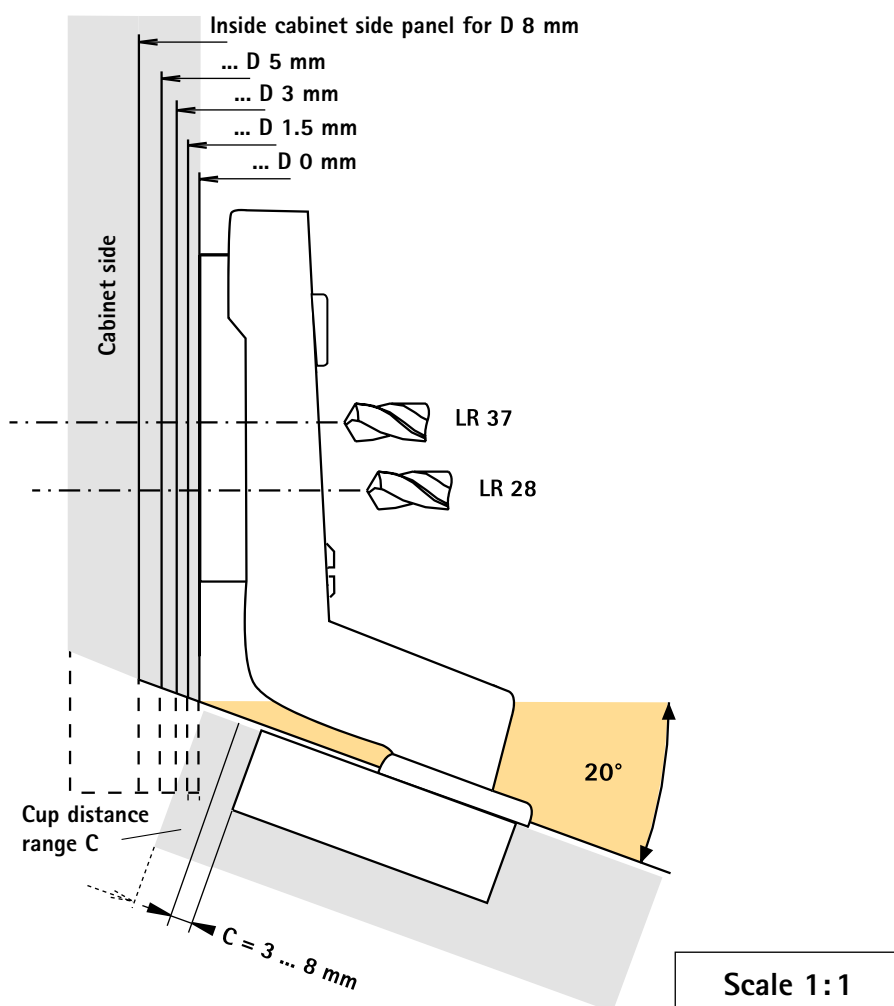


The minimum reveal is reduced for doors with rounded edges:
 Radius 1 mm: Values shown in table - 0.4 mm
 Radius 3 mm: Values shown in table - 1.2 mm

Calculating required mounting-plate distance (D) and hole-line distance (LR) to allow:
 Take the measurements in the diagram below for the required door overlay (A) and cup distance (C).

Inset door (-9 mm hinge cranking)

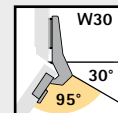
$$\text{Distance D} = 0.94 \times (\text{cup distance C} - 9 \text{ mm} + \text{reveal F})$$



Fast-assembly hinge for 30° face angle

Intermat 9936 W30

95° opening angle



- Hole diameter 35 mm
- Cup distance C up to 8 mm
- Cup depth 11.1 mm (11.6 mm Fix)
- With self-closing feature
- Overlay adjustment +2 mm/-2.5 mm
- Depth adjustment 4 mm



Cup assembly

Full overlay

7 mm
cranking



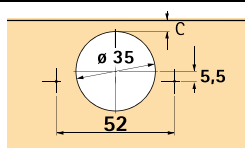
Inset

-10 mm
cranking



PU

Screw-on:
T 42

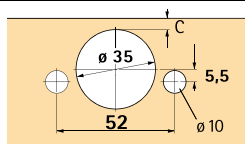


1 061 843

1 061 847

200

Press-in:
T 43

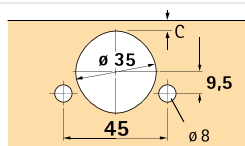


1 061 853

1 061 854

200

T 43/10

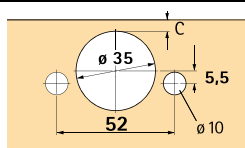


1 061 861

1 061 862

200

Flash fast assembly:
T 43/15

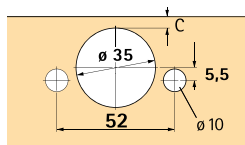


1 061 344

1 061 343

200

Fix fast assembly:
T 45

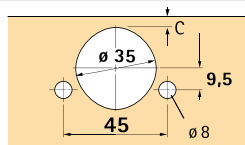


1 063 478

1 063 480

200

T 45/10

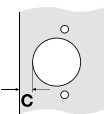


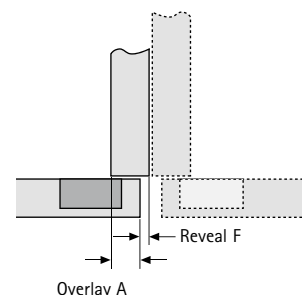
1 063 477

1 063 479

200

For hinge arm cover cap, see Accessories, page 67.

Cup distance C mm		Door thickness mm																			
		14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	
	3	Minimum reveal (F) to allow per door (door clearance): for determining cup distance and mounting-plate distance																			
	4	0.2	0.4	0.5	0.7	0.9	1.1	1.3	1.6	1.9	2.3	2.7	3.1	3.7	4.5	5.4	6.2	7.1	8.0	9.0	
	4.5	0.2	0.4	0.5	0.7	0.8	1.1	1.3	1.6	1.8	2.2	2.5	2.9	3.4	4.0	4.7	5.5	6.3	7.2	8.1	
	5	0.2	0.3	0.5	0.6	0.8	1.0	1.3	1.5	1.8	2.1	2.5	2.9	3.3	3.9	4.5	5.3	6.1	7.0	7.8	
	6	0.2	0.3	0.5	0.6	0.8	1.0	1.2	1.5	1.8	2.1	2.4	2.8	3.2	3.7	4.3	4.9	5.7	6.5	7.3	
	7	0.2	0.3	0.5	0.6	0.8	1.0	1.2	1.5	1.7	2.0	2.4	2.7	3.1	3.6	4.1	4.7	5.4	6.1	6.9	
	8	0.2	0.3	0.5	0.6	0.8	1.0	1.2	1.4	1.7	2.0	2.3	2.7	3.0	3.5	3.9	4.5	5.1	5.8	6.5	



The minimum reveal is reduced for doors with rounded edges:
 Radius 1 mm: Values shown in table - 0.4 mm
 Radius 3 mm: Values shown in table - 1.2 mm

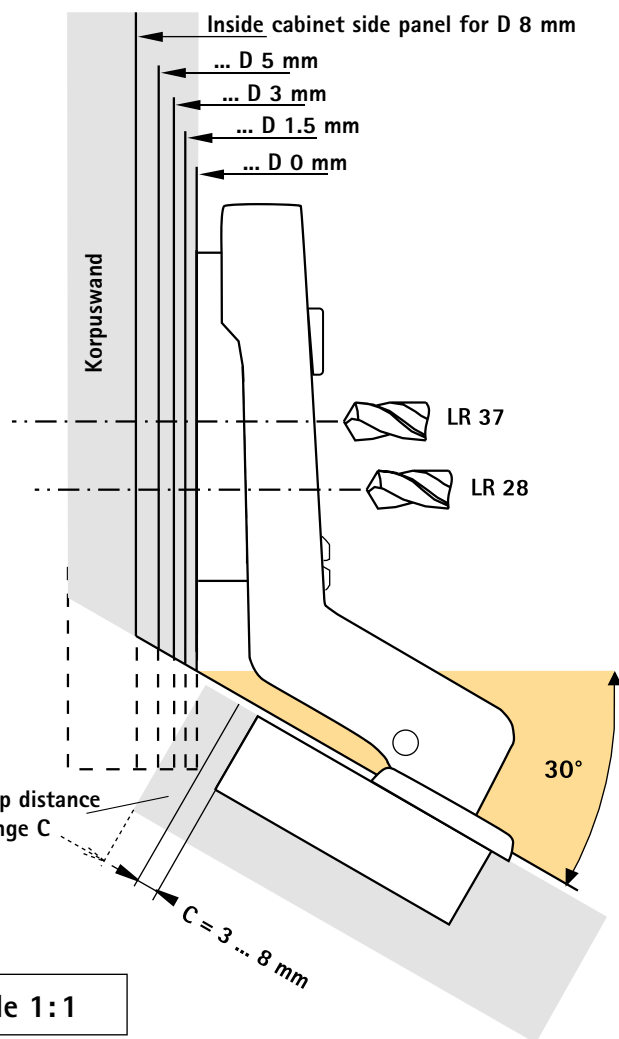
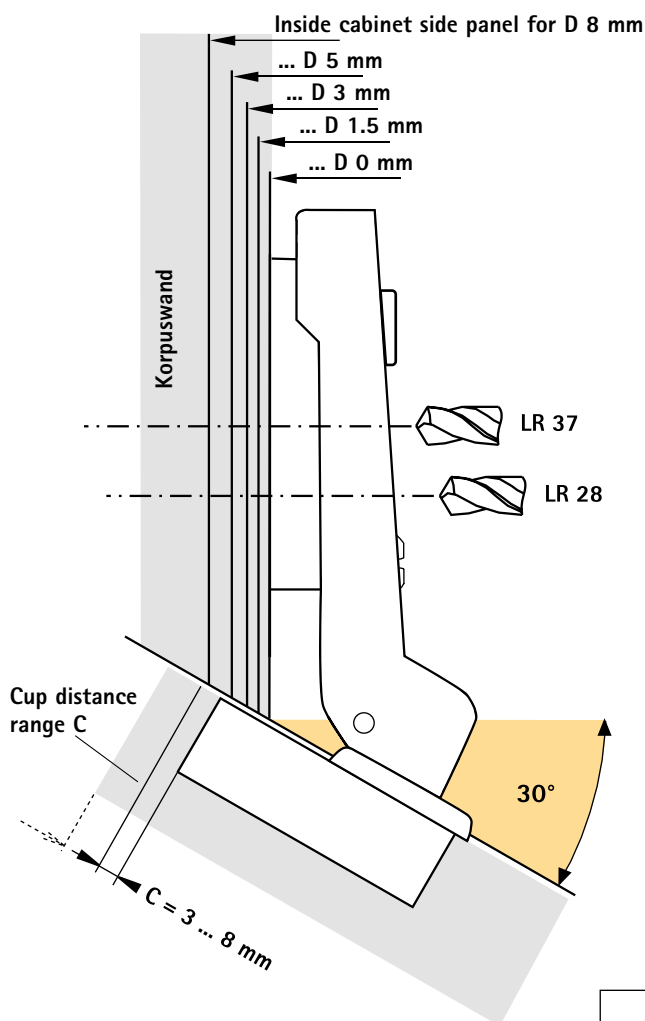
Calculating required mounting-plate distance (D) and hole-line distance (LR) to allow:
 Take the measurements in the diagrams below for the required door overlay (A) and cup distance (C).

Full-overlay door (7 mm hinge cranking)

Inset door (-10 mm hinge cranking)

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

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

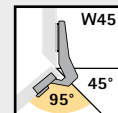


Scale 1:1

Fast-assembly hinge for 90° face angle

Intermat 9936 W45

95° opening angle



- Hole diameter 35 mm
- Cup distance C up to 8 mm
- Cup depth 11.1 mm (11.6 mm Fix)
- With self-closing feature
- Overlay adjustment +2 mm/-2.5 mm
- Depth adjustment 4 mm



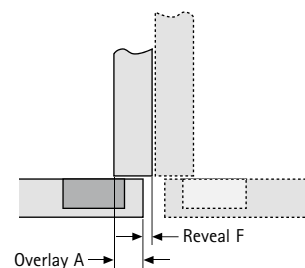
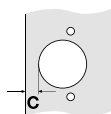
Cup assembly		Full overlay 0 mm cranking	Full overlay 6 mm cranking	PU
Screw-on: T 42		1 082 280	1 061 848	200
Press-in: T 43		1 083 530	1 061 855	200
T 43/10		1 082 725	1 061 863	200
Flash fast assembly: T 43/15		9 027 154	1 061 346	200
Fix fast assembly: T 45		1 084 515	1 063 483	200
T 45/10		1 082 726	1 063 482	200

For hinge arm cover cap, see Accessories, page 67.

Cup distance C mm	Door thickness mm	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
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Minimum reveal (F) to allow per door (door clearance):
for determining cup distance and mounting-plate distance

3	0.2	0.4	0.5	0.7	0.9	1.1	1.3	1.6	1.9	2.3	2.7	3.1	3.7	4.5	5.4	6.2	7.1	8.0	9.0
4	0.2	0.4	0.5	0.7	0.8	1.1	1.3	1.6	1.9	2.2	2.6	3.0	3.5	4.1	4.9	5.7	6.6	7.5	8.4
4.5	0.2	0.4	0.5	0.7	0.8	1.1	1.3	1.6	1.8	2.2	2.5	2.9	3.4	4.0	4.7	5.5	6.3	7.2	8.1
5	0.2	0.3	0.5	0.6	0.8	1.0	1.3	1.5	1.8	2.1	2.5	2.9	3.3	3.9	4.5	5.3	6.1	7.0	7.8
6	0.2	0.3	0.5	0.6	0.8	1.0	1.2	1.5	1.8	2.1	2.4	2.8	3.2	3.7	4.3	4.9	5.7	6.5	7.3
7	0.2	0.3	0.5	0.6	0.8	1.0	1.2	1.5	1.7	2.0	2.4	2.7	3.1	3.6	4.1	4.7	5.4	6.1	6.9
8	0.2	0.3	0.5	0.6	0.8	1.0	1.2	1.4	1.7	2.0	2.3	2.7	3.0	3.5	3.9	4.5	5.1	5.8	6.5



The minimum reveal is reduced for doors with rounded edges:

Radius 1 mm: Values shown in table - 0.4 mm

Radius 3 mm: Values shown in table - 1.2 mm

Calculating required mounting-plate distance (D) and hole-line distance (LR) to allow:

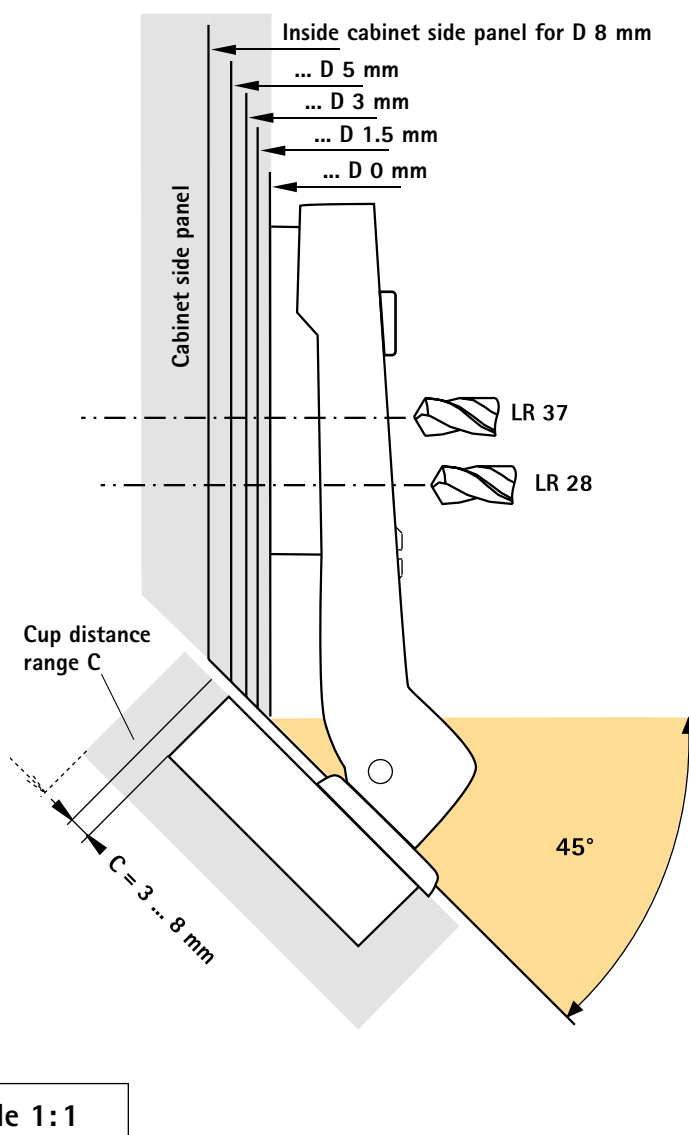
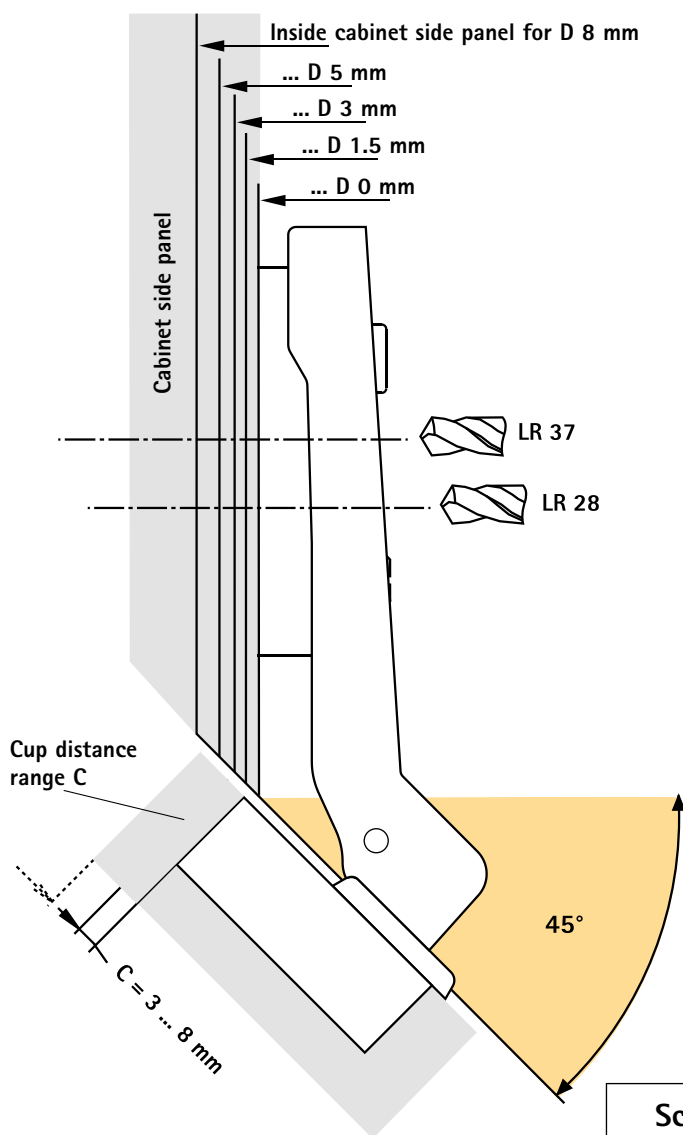
Take the measurements in the diagrams below for the required door overlay (A) and cup distance (C).

Inset door (0 mm hinge cranking)

Full-overlay door (6 mm hinge cranking)

Distance D = 0.71 x (cup distance C + 0 mm - overlay A)

Distance D = 0.71 x (cup distance C + 6 mm - overlay A)



Scale 1:1

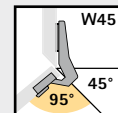
Technical information, see pages 14 – 19.

Mounting plates, see pages 64 – 66.

Fast-assembly hinge for 45° face angle

Intermat 9936 W45

95° opening angle



- Hole diameter 35 mm
- Cup distance C up to 8 mm
- Cup depth 11.1 mm (11.6 mm Fix)
- With self-closing feature
- Overlay adjustment +2 mm/-2.5 mm
- Depth adjustment 4 mm



Cup assembly

Full overlay

11 mm
cranking



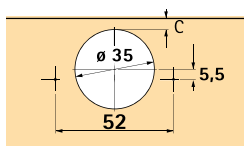
Full overlay

-17 mm
cranking



PU

Screw-on:
T 42

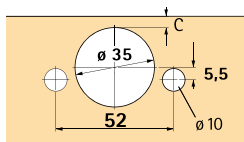


9 041 577

1 061 849

200

Press-in:
T 43

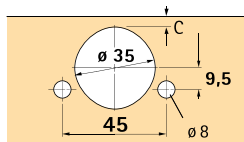


9 046 438

1 061 856

200

T 43/10

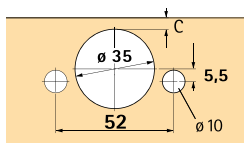


9 041 578

1 061 864

200

Flash fast assembly:
T 43/15

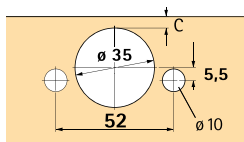


9 042 001

1 061 345

200

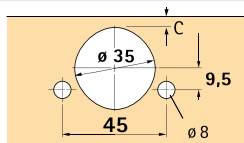
Fix fast assembly:
T 45



1 063 485

200

T 45/10



1 063 484

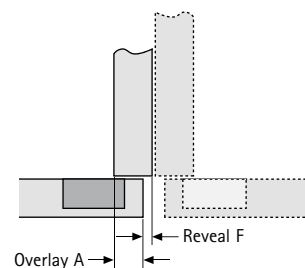
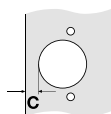
200

For hinge arm cover cap, see Accessories, page 67.

Cup distance C mm	Door thickness mm	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
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Minimum reveal (F) to allow per door (door clearance):
for determining cup distance and mounting-plate distance

3	0.2	0.4	0.5	0.7	0.9	1.1	1.3	1.6	1.9	2.3	2.7	3.1	3.7	4.5	5.4	6.2	7.1	8.0	9.0
4	0.2	0.4	0.5	0.7	0.8	1.1	1.3	1.6	1.9	2.2	2.6	3.0	3.5	4.1	4.9	5.7	6.6	7.5	8.4
4.5	0.2	0.4	0.5	0.7	0.8	1.1	1.3	1.6	1.8	2.2	2.5	2.9	3.4	4.0	4.7	5.5	6.3	7.2	8.1
5	0.2	0.3	0.5	0.6	0.8	1.0	1.3	1.5	1.8	2.1	2.5	2.9	3.3	3.9	4.5	5.3	6.1	7.0	7.8
6	0.2	0.3	0.5	0.6	0.8	1.0	1.2	1.5	1.8	2.1	2.4	2.8	3.2	3.7	4.3	4.9	5.7	6.5	7.3
7	0.2	0.3	0.5	0.6	0.8	1.0	1.2	1.5	1.7	2.0	2.4	2.7	3.1	3.6	4.1	4.7	5.4	6.1	6.9
8	0.2	0.3	0.5	0.6	0.8	1.0	1.2	1.4	1.7	2.0	2.3	2.7	3.0	3.5	3.9	4.5	5.1	5.8	6.5



The minimum reveal is reduced for doors with rounded edges:

Radius 1 mm: Values shown in table - 0.4 mm

Radius 3 mm: Values shown in table - 1.2 mm

Calculating required mounting-plate distance (D) and hole-line distance (LR) to allow:

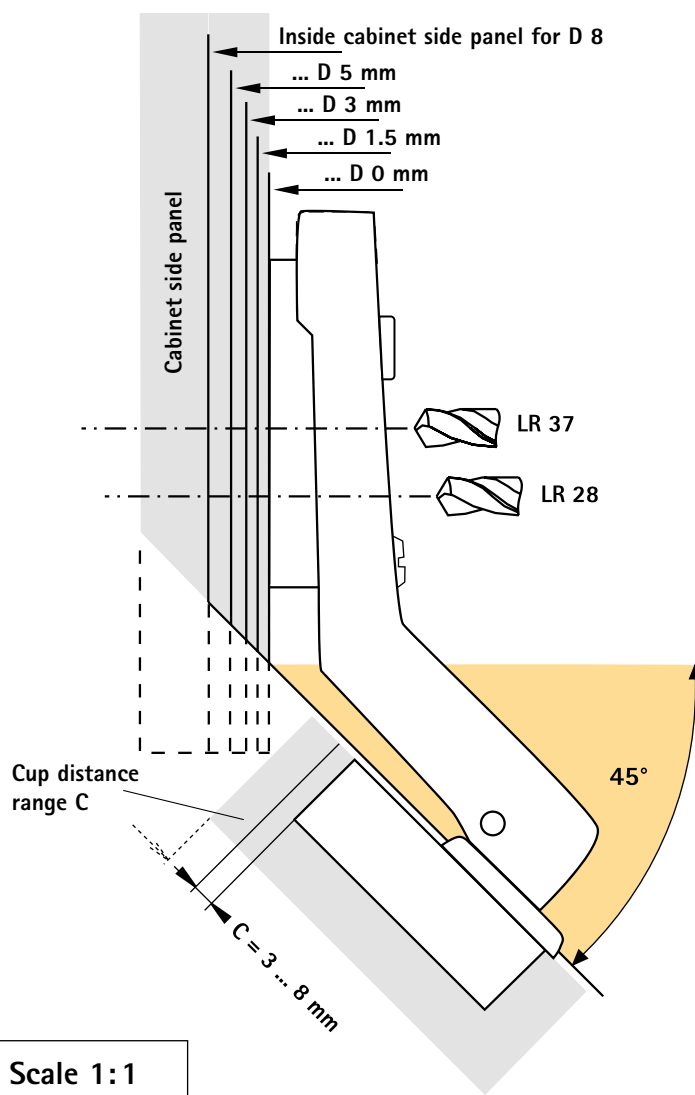
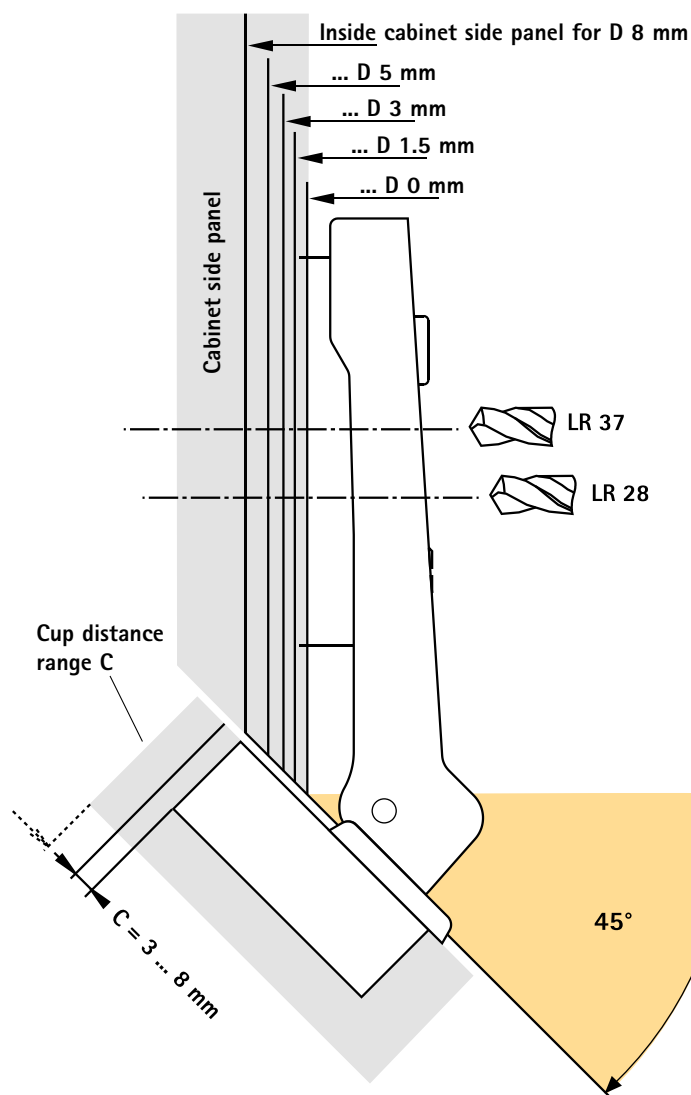
Take the measurements in the diagrams below for the required door overlay (A) and cup distance (C).

Full-overlay door (11 mm hinge cranking)

Inset door (-17 mm hinge cranking)

$$\text{Distance D} = 0.71 \times (\text{cup distance C} + 11 \text{ mm} - \text{overlay A})$$

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



Scale 1:1

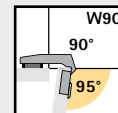
Technical information, see pages 14 – 19.

Mounting plates, see pages 64 – 66.

Fast-assembly hinge for 90° face angle

Intermat 9936 W 90

95° opening angle



- Hole diameter 35 mm
- Cup distance C up to 8 mm
- Cup depth 11.1 mm (11.6 mm Fix)
- With self-closing feature
- Overlay adjustment 4 mm
- +2 / -2.5 mm depth adjustment



Cup assembly

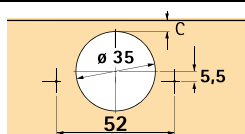
Inset

PU

5 mm
cranking



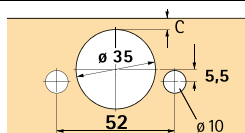
Screw-on:
T 42



1 061 850

200

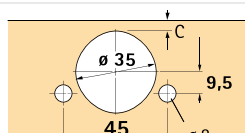
Press-in:
T 43



1 061 857

200

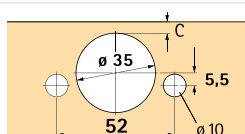
T 43/10



1 061 865

200

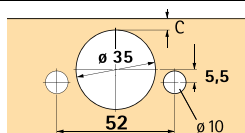
Flash fast assembly:
T 43/15



1 061 347

200

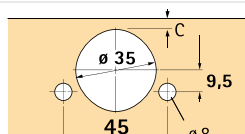
Fix fast assembly:
T 45



1 063 487

200

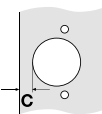
T 45/10

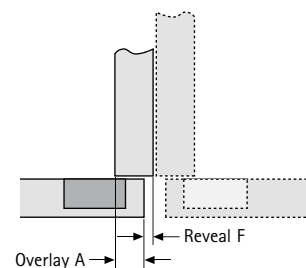


1 063 486

200

For hinge arm cover cap, see Accessories, page 67.

Cup distance C mm		Door thickness mm																		
		14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
	3	Minimum reveal (F) to allow per door (door clearance): for determining cup distance and mounting-plate distance																		
	4	0.2	0.4	0.5	0.7	0.8	1.1	1.3	1.6	1.9	2.2	2.6	3.0	3.5	4.1	4.9	5.7	6.6	7.5	8.4
	4.5	0.2	0.4	0.5	0.7	0.8	1.1	1.3	1.6	1.8	2.2	2.5	2.9	3.4	4.0	4.7	5.5	6.3	7.2	8.1
	5	0.2	0.3	0.5	0.6	0.8	1.0	1.3	1.5	1.8	2.1	2.5	2.9	3.3	3.9	4.5	5.3	6.1	7.0	7.8
	6	0.2	0.3	0.5	0.6	0.8	1.0	1.2	1.5	1.8	2.1	2.4	2.8	3.2	3.7	4.3	4.9	5.7	6.5	7.3
	7	0.2	0.3	0.5	0.6	0.8	1.0	1.2	1.5	1.7	2.0	2.4	2.7	3.1	3.6	4.1	4.7	5.4	6.1	6.9
	8	0.2	0.3	0.5	0.6	0.8	1.0	1.2	1.4	1.7	2.0	2.3	2.7	3.0	3.5	3.9	4.5	5.1	5.8	6.5



The minimum reveal is reduced for doors with rounded edges:
 Radius 1 mm: Values shown in table - 0.4 mm
 Radius 3 mm: Values shown in table - 1.2 mm

Calculation of required mounting-plate distance (D) and hole-line distance (X) to be observed:

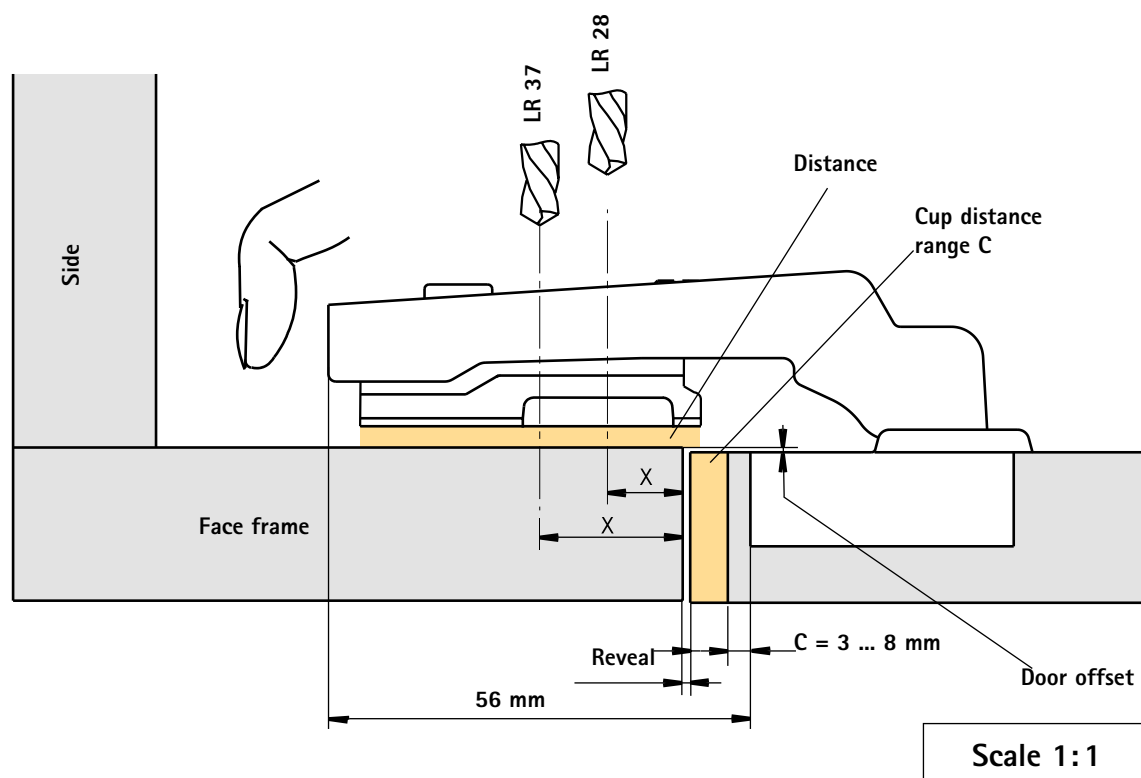
The measurements must be taken from the drawing below in accordance with the required door offset, cup distance (C) and reveal (F).

Inset door

(5 mm hinge cranking)

Distance D = 5 mm - door offset (inset doors require a mounting-plate distance of 5 mm)

Hole-line distance (x) = 28 mm - cup distance C - reveal F (for mounting plates with hole line 37)
 19 mm - cup distance C - reveal F (for mounting plates with hole line 28)

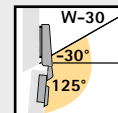


Technical information, see pages 14 – 19.
 Mounting plates, see pages 64 – 66.
 Not for use with linear mounting plates.

Fast-assembly hinge for -30° negative face angle

Intermat 9944 W-30

125° opening angle



- Hole diameter 35 mm
- Cup distance C up to 5.5 mm
- Cup depth 12.7 mm
- With self-closing feature
- Overlay adjustment +1 mm/-2.5 mm
- Depth adjustment 4 mm



Cup assembly

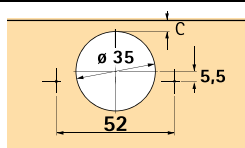
Full overlay

PU

12 mm
cranking



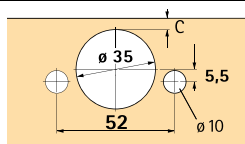
Screw-on:
T 42



1 058 553

200

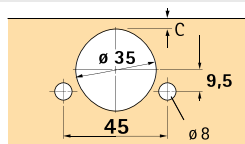
Press-in:
T 43



1 058 554

200

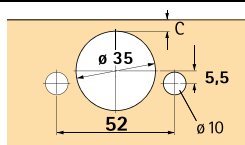
T 43/10



1 058 555

200

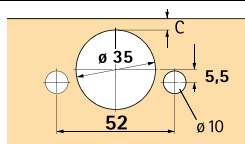
Flash fast assembly:
T 43/15



1 062 561

200

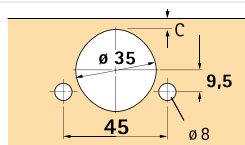
Fix fast assembly:
T 45



1 065 089

200

T 45/10

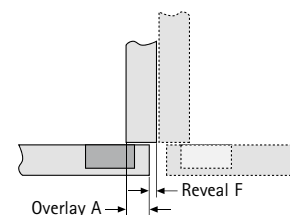
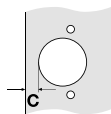


1 065 090

200

For hinge arm cover cap, see Accessories, page 67.

Cup distance C mm	Door thickness mm												
	16	17	18	19	20	21	22	23	24	25	26	27	28
Minimum reveal (F) to allow per door (door clearance): for determining cup distance and mounting-plate distance													
3	1.1	1.4	1.7	2.1	2.5	3.0	3.6	4.2	5.0	5.8	6.6	7.5	8.4
4	1.1	1.3	1.6	2.0	2.4	2.8	3.4	4.0	4.7	5.4	6.2	7.0	7.9
4.5	1.0	1.3	1.6	2.0	2.3	2.8	3.3	3.9	4.5	5.2	6.0	6.8	7.6
5	1.0	1.3	1.6	1.9	2.3	2.7	3.2	3.8	4.4	5.1	5.8	6.6	7.4
5.5	1.0	1.3	1.6	1.9	2.3	2.7	3.1	3.7	4.3	4.9	5.6	6.4	7.2



The minimum reveal is reduced for doors with rounded edges:

Radius 1 mm: Values shown in table - 0.4 mm

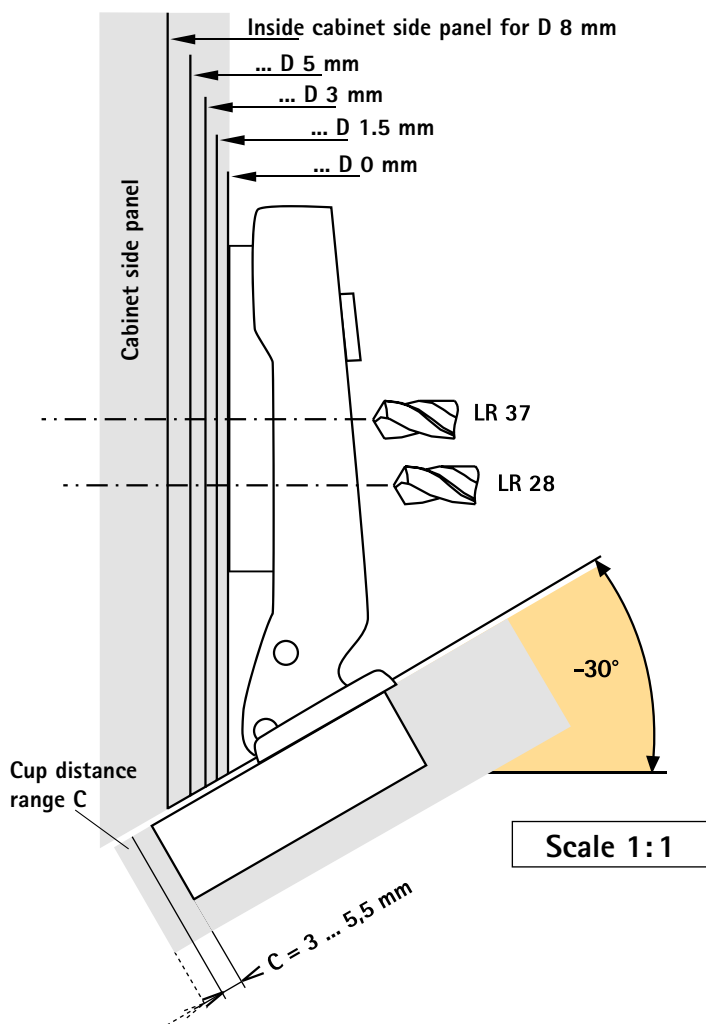
Radius 3 mm: Values shown in table - 1.2 mm

Calculating required mounting-plate distance (D) and hole-line distance (LR) to allow:

Take the measurements in the diagram below for the required door overlay (A) and cup distance (C).

Full-overlay door (12 mm hinge cranking)

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



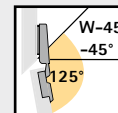
Technical information, see pages 14 – 19.

Mounting plates, see pages 64 – 66.

Fast-assembly hinge for -45° negative face angle

Intermat 9944 W-45

125° opening angle



- Hole diameter 35 mm
- Cup distance C up to 5.5 mm
- Cup depth 12.7 mm
- With self-closing feature
- Overlay adjustment +1 mm/-2.5 mm
- Depth adjustment 4 mm



Cup assembly

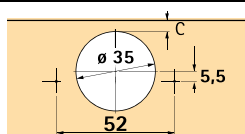
Full overlay

PU

10 mm
cranking



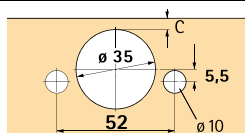
Screw-on:
T 42



1 066 957

200

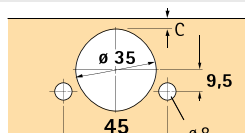
Press-in:
T 43



1 066 958

200

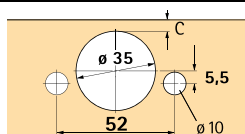
T 43/10



1 066 959

200

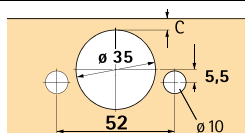
Flash fast assembly:
T 43/15



1 066 960

200

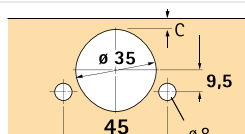
Fix fast assembly:
T 45



1 065 091

200

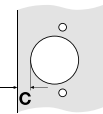
T 45/10

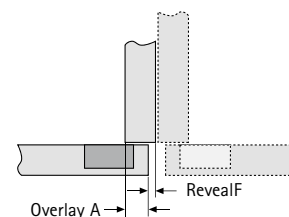


1 065 092

200

For hinge arm cover cap, see Accessories, page 67.

Cup distance C mm	Door thickness mm												
	16	17	18	19	20	21	22	23	24	25	26	27	28
Minimum reveal (F) to allow per door (door clearance): for determining cup distance and mounting-plate distance													
 3	1.1	1.4	1.7	2.1	2.5	3.0	3.6	4.2	5.0	5.8	6.6	7.5	8.4
4	1.1	1.3	1.6	2.0	2.4	2.8	3.4	4.0	4.7	5.4	6.2	7.0	7.9
4.5	1.0	1.3	1.6	2.0	2.3	2.8	3.3	3.9	4.5	5.2	6.0	6.8	7.6
5	1.0	1.3	1.6	1.9	2.3	2.7	3.2	3.8	4.4	5.1	5.8	6.6	7.4
5.5	1.0	1.3	1.6	1.9	2.3	2.7	3.1	3.7	4.3	4.9	5.6	6.4	7.2

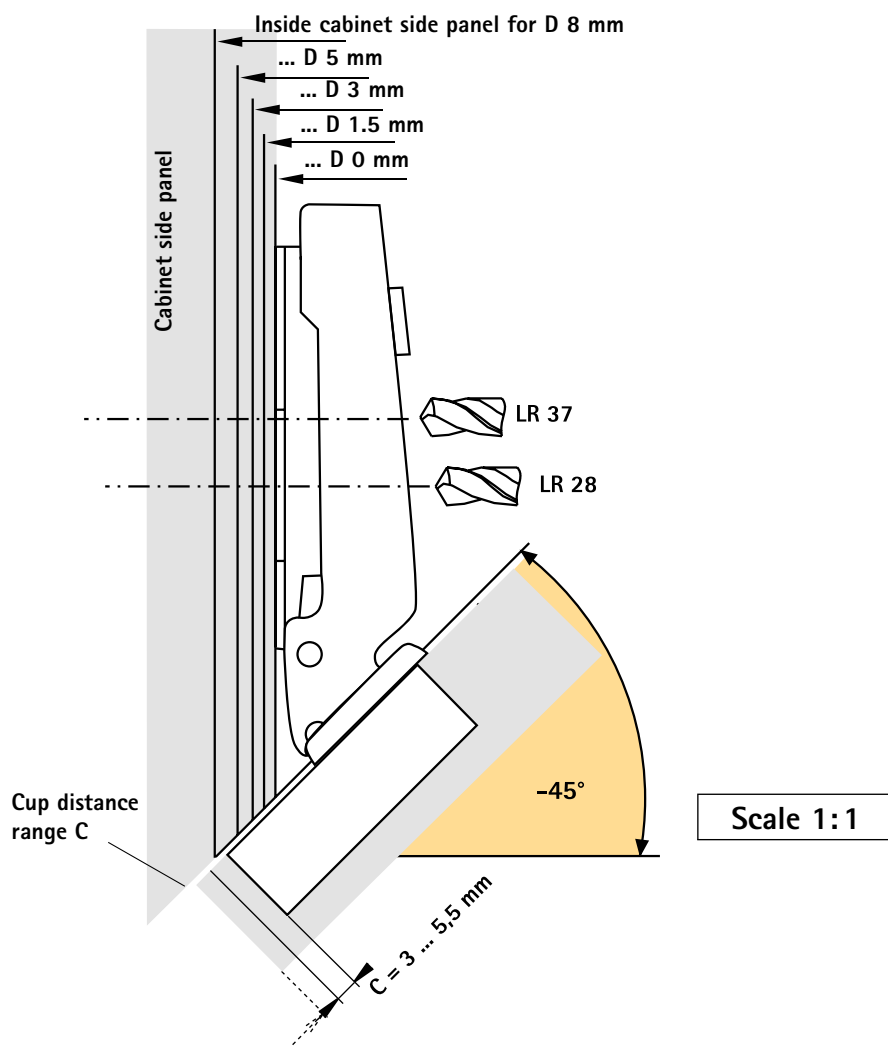


The minimum reveal is reduced for doors with rounded edges:
 Radius 1 mm: Values shown in table - 0.4 mm
 Radius 3 mm: Values shown in table - 1.2 mm

Calculating required mounting-plate distance (D) and hole-line distance (LR) to allow:
 Take the measurements in the diagram below for the required door overlay (A) and cup distance (C).

Full-overlay door (10 mm hinge cranking)

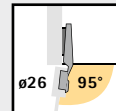
$$\text{Distance D} = 0.71 \times (\text{cup distance C} + 10 \text{ mm} - \text{overlay A})$$



Fast-assembly hinge for wooden frame doors

Intermat 9924

95° opening angle



- Hole diameter 26 mm
- Cup distance C up to 5.5 mm
- Cup depth 11.9 mm
- With self-closing feature
- Overlay adjustment +1 mm/-2.5 mm
- Depth adjustment 4 mm



Cup assembly

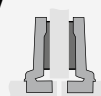
Full overlay

1 mm
cranking



Half overlay

9.5 mm
cranking



Inset

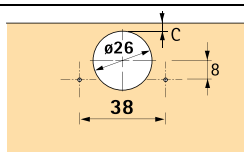
16 mm
cranking



PU

Screw-on:

T 42



1 029 530

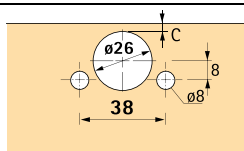
1 057 546

1 057 547

200

Press-in:

T 43



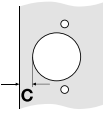
1 063 089

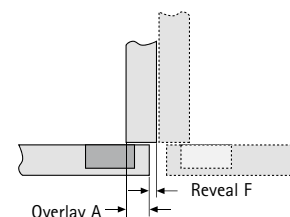
1 063 091

1 063 093

200

For hinge arm cover cap, see Accessories, page 67.

Cup distance C mm	Door thickness mm											
	15	16	17	18	19	20	21	22	23	24	25	
	Minimum reveal (F) to allow per door (door clearance): for determining cup distance and mounting-plate distance											
3	0.5	0.9	1.3	2.1	2.9	3.7	4.6	5.6	6.5	7.4	8.4	
4	0.5	0.8	1.2	1.8	2.5	3.3	4.2	5.0	5.9	6.8	7.7	
4.5	0.5	0.8	1.2	1.8	2.4	3.1	4.0	4.8	5.6	6.5	7.4	
5	0.5	0.8	1.2	1.7	2.2	2.9	3.7	4.5	5.3	6.1	7.0	
5.5	0.5	0.8	1.1	1.5	2.0	2.7	3.5	4.2	5.0	5.8	6.0	



The minimum reveal is reduced for doors with rounded edges:

Radius 1 mm: Values shown in table - 0.4 mm

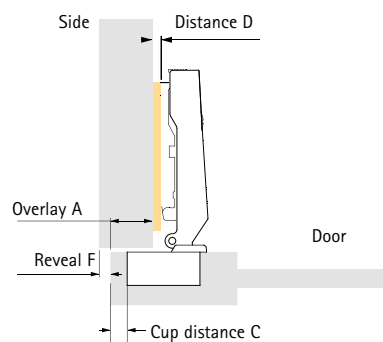
Radius 3 mm: Values shown in table - 1.2 mm

Calculating required mounting-plate distance (D):

in relation to chosen door overlay (A) and cup distance (C)

Full-overlay door

(1 mm hinge cranking)

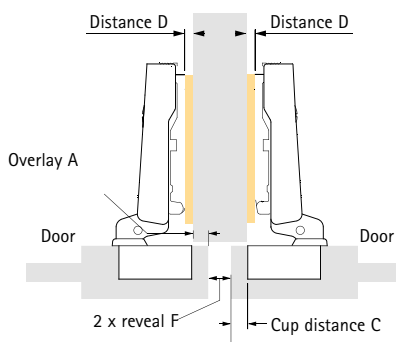


Distance D =

Cup distance C + 11 mm - overlay A

Half-overlay door

(9.5 mm hinge cranking)

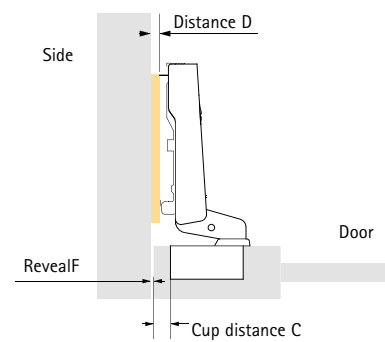


Distance D =

Cup distance C + 2.5 mm - overlay A

Inset door

(16 mm hinge cranking)



Distance D =

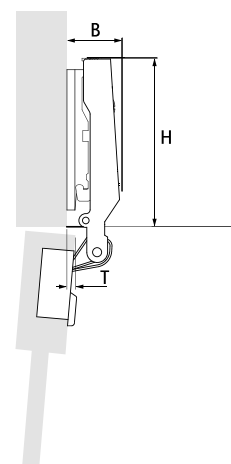
Cup distance C - 4 mm + reveal F

Door protrusion (T), hinge protrusion (B) and installed hinge depth (H):

	Hinge cranking (mm)		
	K 1 mm (full overlay)	K 9.5 mm (half overlay)	K 16 mm (inset)
T* (mm)	4.2	12.7	19.2
B* (mm)	19.0	23.0	29.5
H** (mm)	65.0	65.0	65.0

*) Measurements refer to a mounting plate with 0 mm distance and 3 mm cup distance. If distance changes, the "T" and "B" dimensions increase accordingly.

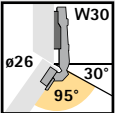
**) Installed depth measured from inside door face



Fast-assembly hinge for wooden frame doors, 30° face angle

Intermat 9924 W30

95° opening angle



- Hole diameter 26 mm
- Cup distance C up to 5.5 mm
- Cup depth 11.9 mm
- With self-closing feature
- Overlay adjustment +0.5 mm/-3 mm
- Depth adjustment 4 mm



Cup assembly

Full overlay

Inset

PU

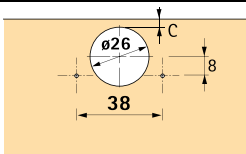
6 mm
cranking



-5 mm
cranking



Screw-on:
T 42

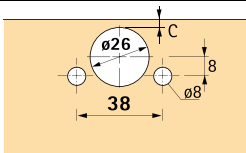


1 072 855

1 072 854

200

Press-in:
T 43



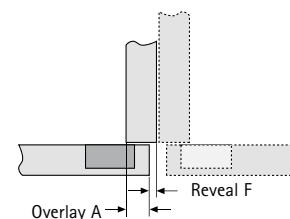
1 072 862

1 072 861

200

For hinge arm cover cap, see Accessories, page 67.

Cup distance C mm	Door thickness mm											
	15	16	17	18	19	20	21	22	23	24	25	
	Minimum reveal (F) to allow per door (door clearance): for determining cup distance and mounting-plate distance											
	3	0.5	0.9	1.3	2.1	2.9	3.7	4.6	5.6	6.5	7.4	8.4
	4	0.5	0.8	1.2	1.8	2.5	3.3	4.2	5.0	5.9	6.8	7.7
	4.5	0.5	0.8	1.2	1.8	2.4	3.1	4.0	4.8	5.6	6.5	7.4
	5	0.5	0.8	1.2	1.7	2.2	2.9	3.7	4.5	5.3	6.1	7.0
	5.5	0.5	0.8	1.1	1.5	2.0	2.7	3.5	4.2	5.0	5.8	6.0



The minimum reveal is reduced for doors with rounded edges:

Radius 1 mm: Values shown in table - 0.4 mm

Radius 3 mm: Values shown in table - 1.2 mm

Calculating required mounting-plate distance (D) and hole-line distance (LR) to allow:

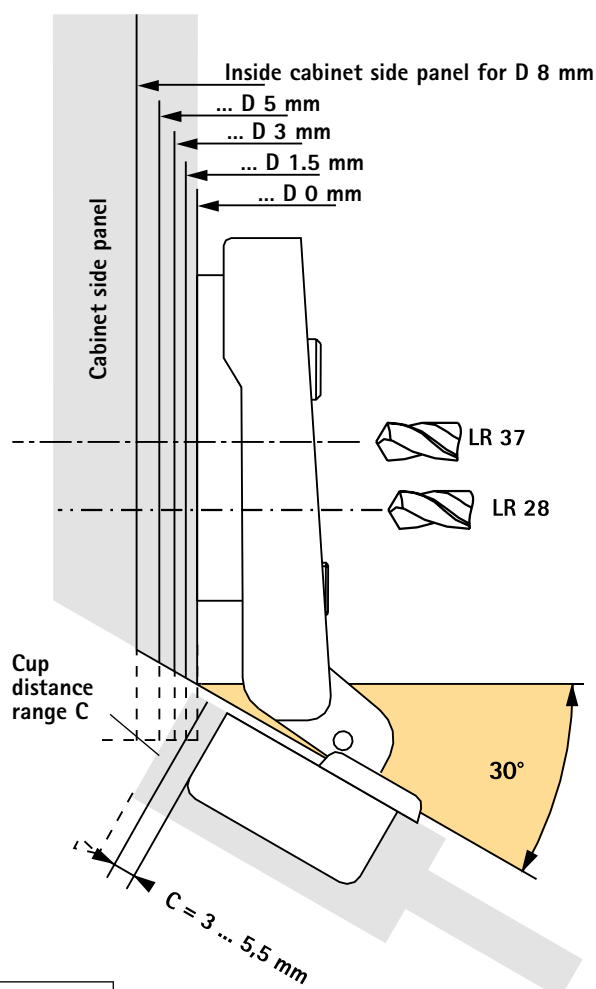
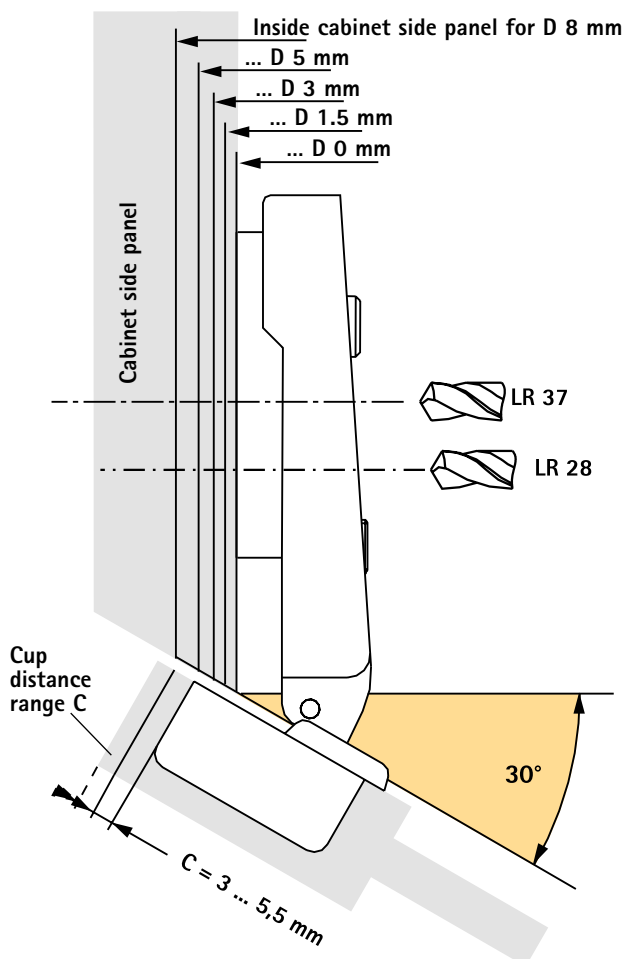
Take the measurements in the diagrams below for the required door overlay (A) and cup distance (C).

Full-overlay door (6 mm hinge cranking)

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

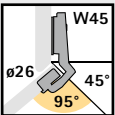
Inset door (-5 mm hinge cranking)

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



Scale 1:1

Fast-assembly hinge for wooden frame doors, 45° face angle
 Interimat 9924 W45
 95° opening angle



- Hole diameter 26 mm
- Cup distance C up to 5.5 mm
- Cup depth 11.9 mm
- With self-closing feature
- Overlay adjustment +0.5 mm/-3 mm
- Depth adjustment 4 mm



Cup assembly

Full overlay

Inset

PU

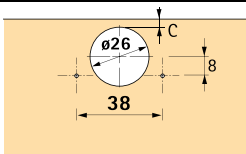
6 mm
cranking



-5 mm
cranking



Screw-on:
T 42

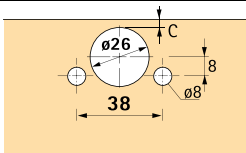


1 072 857

1 072 856

200

Press-in:
T 43

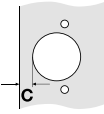


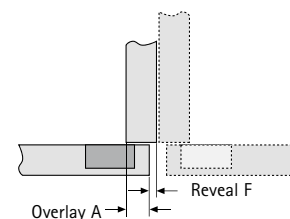
1 072 864

1 072 863

200

For hinge arm cover cap, see Accessories, page 67.

Cup distance C mm		Door thickness mm										
		15	16	17	18	19	20	21	22	23	24	25
		Minimum reveal (F) to allow per door (door clearance): for determining cup distance and mounting-plate distance										
	3	0.5	0.9	1.3	2.1	2.9	3.7	4.6	5.6	6.5	7.4	8.4
	4	0.5	0.8	1.2	1.8	2.5	3.3	4.2	5.0	5.9	6.8	7.7
	4.5	0.5	0.8	1.2	1.8	2.4	3.1	4.0	4.8	5.6	6.5	7.4
	5	0.5	0.8	1.2	1.7	2.2	2.9	3.7	4.5	5.3	6.1	7.0
	5.5	0.5	0.8	1.1	1.5	2.0	2.7	3.5	4.2	5.0	5.8	6.0



The minimum reveal is reduced for doors with rounded edges:

Radius 1 mm: Values shown in table - 0.4 mm

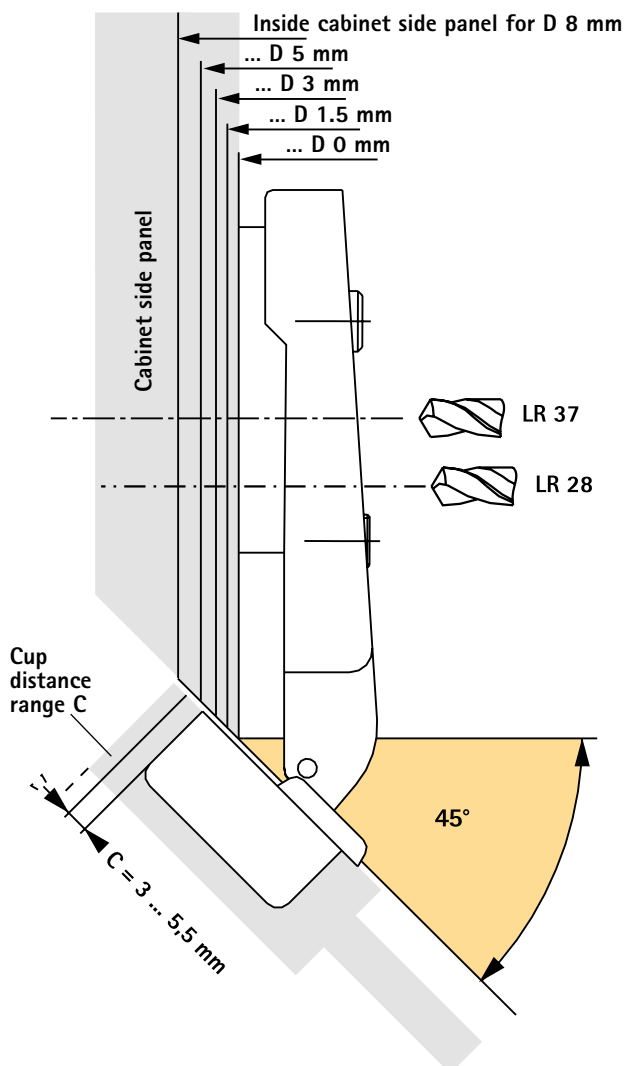
Radius 3 mm: Values shown in table - 1.2 mm

Calculating required mounting-plate distance (D) and hole-line distance (LR) to allow:

Take the measurements in the diagrams below for the required door overlay (A) and cup distance (C).

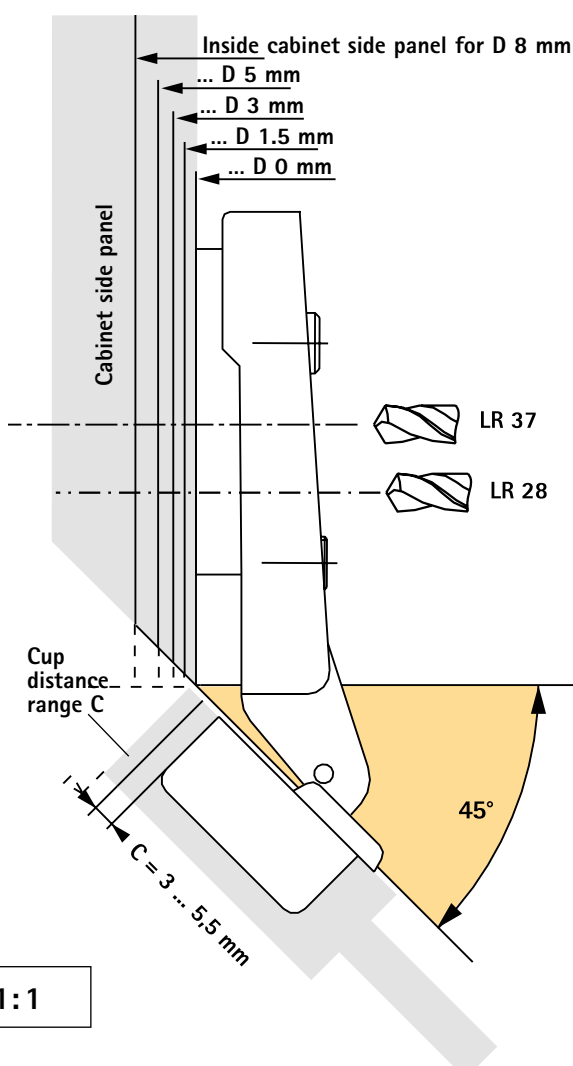
Full-overlay door (6 mm hinge cranking)

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



Inset door (-5 mm hinge cranking)

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

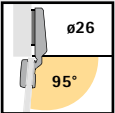


Scale 1:1

Fast-assembly hinge for glass doors

Intermat 9904

95° opening angle



- Glass door thickness*: 4.0 - 6.5 mm
- Hole diameter 26 mm
- Cup distance C up to 5.5 to 6.0 mm
- With self-closing feature
- Overlay adjustment +1 mm/-2.5 mm
- Depth adjustment 4 mm

Cup assembly



Full overlay

Half overlay

Inset

PU

1 mm
cranking



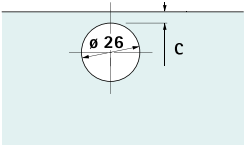
9.5 mm
cranking



16 mm
cranking



Screw-on:
T 1



1 029 529

1 057 541

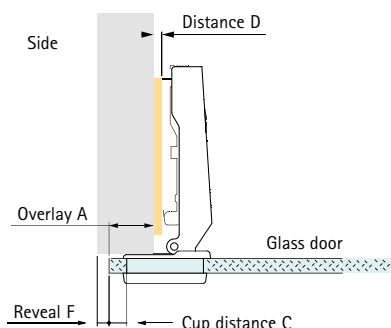
1 057 545

200

For hinge arm cover cap, see Accessories, page 67.

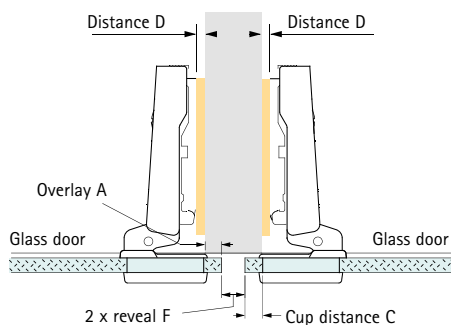
Calculating required mounting-plate distance (D):
in relation to chosen door overlay (A) and cup distance (C)

Full-overlay door
(1 mm hinge cranking)



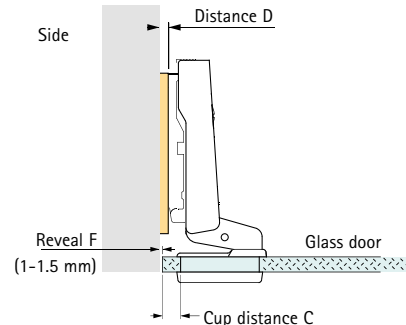
Distance D =
Cup distance C + 11 mm - overlay A

Half-overlay door
(9.5 mm hinge cranking)



Distance D =
Cup distance C + 2.5 mm - overlay A

Inset door
(16 mm hinge cranking)



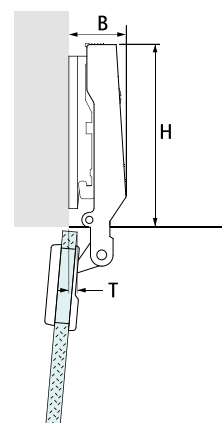
Distance D = 3 mm

Door protrusion (T), hinge protrusion (B) and installed hinge depth (H):

	Hinge cranking (mm)		
	K 1 mm (full overlay)	K 9.5 mm (half overlay)	K 16 mm (inset)
T* (mm)	4.0	12.5	19.0
B* (mm)	19.0	23.0	29.5
H** (mm)	65.0	65.0	65.0

*) Measurements refer to a mounting plate with 0 mm distance and cup distance. If distance changes, the "T" and "B" dimensions increase accordingly.

**) Installed depth measured from inside door face

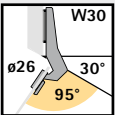


Article	Finish	Order no. *)	PU
Cover cap A 	polished gold-plated	1 006 478	1000
	polished nickel-plated	1 006 473	1000
	black	1 007 984	1000
	matt nickel-plated	1 006 639	1000
	metallic brown	1 006 778	1000
Cover cap B 	polished gold-plated	1 006 466	1000
	polished nickel-plated	1 006 521	1000
	black	1 006 615	1000
	matt nickel-plated	1 006 637	1000
	metallic brown	1 006 519	1000

*) Order numbers refer to complete sets and, in addition to the decorative cap itself, also include one cap mount and two fixing screws.

Technical information, see pages 14 – 19.
Mounting plates, see pages 64 – 66.

Fast-assembly hinge for glass doors, 30° face angle
 Interimat 9904 W30
 95° opening angle



- Glass door thickness*: 4.0 – 6.5 mm
- Hole diameter 26 mm
- Cup distance C from 5.5 up to 6.0 mm
- With self-closing feature
- Overlay adjustment +1 mm/-2.5 mm
- Depth adjustment 4 mm

Cup assembly



Full overlay

6 mm
cranking



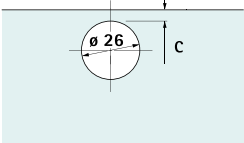
Inset

-5 mm
cranking



PU

Screw-on:
T 1



1 072 870

1 072 869

200

For hinge arm cover cap, see Accessories, page 67.

Article	Finish	Order no.*)	PU
Cover cap A 	polished gold-plated	1 006 478	1000
	polished nickel-plated	1 006 473	1000
	black	1 007 984	1000
	matt nickel-plated	1 006 639	1000
	metallic brown	1 006 778	1000
Cover cap B 	polished gold-plated	1 006 466	1000
	polished nickel-plated	1 006 521	1000
	black	1 006 615	1000
	matt nickel-plated	1 006 637	1000
	metallic brown	1 006 519	1000

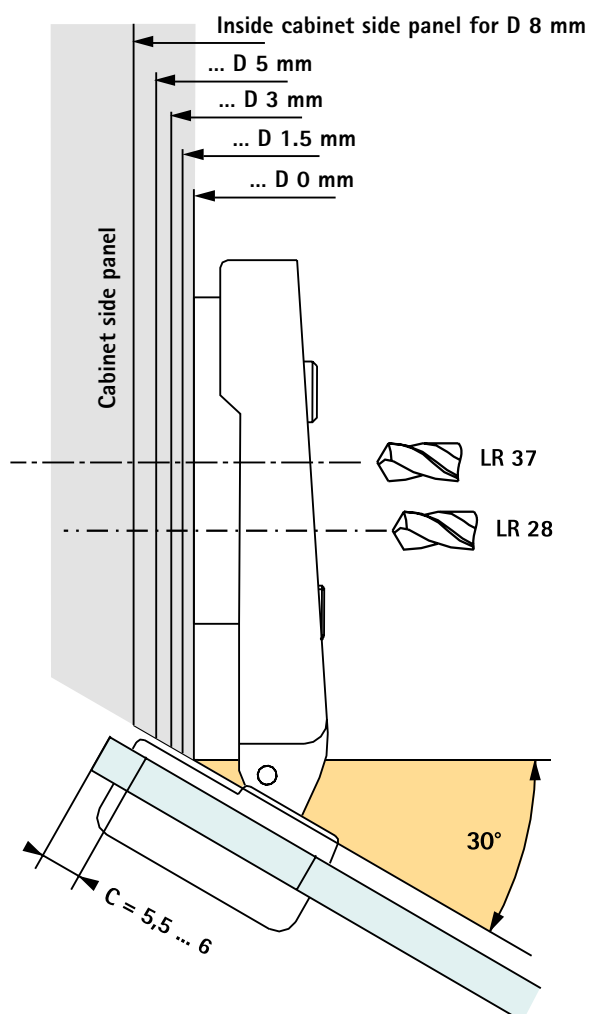
*) Order numbers refer to complete sets and, in addition to the decorative cap itself, also include one cap mount and two fixing screws.

Calculating required mounting-plate distance (D) and hole-line distance (LR) to allow:

Take the measurements in the diagrams below for the required door overlay (A) and cup distance (C).

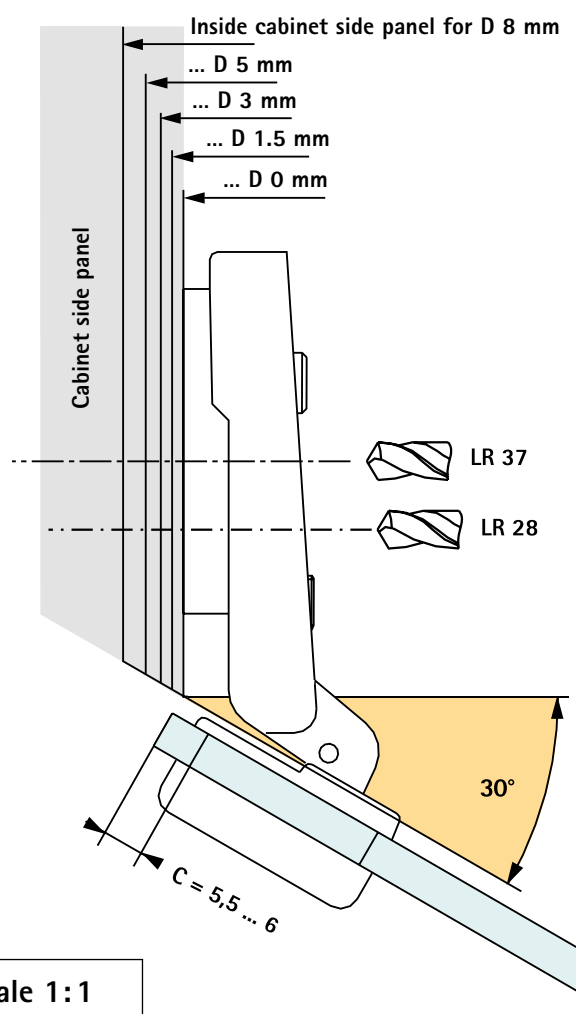
Full-overlay door (6 mm hinge cranking)

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



Inset door (-5 mm hinge cranking)

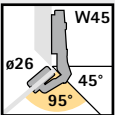
$$\text{Distance D} = 0.87 \times (\text{cup distance C} - 5 \text{ mm} + \text{reveal F})$$



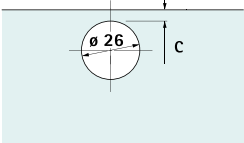
Scale 1:1

Technical information, see pages 14 – 19.
Mounting plates, see pages 64 – 66.

Fast-assembly hinge for glass doors, 45° face angle
 Intermat 9904 W45
 95° opening angle



- Glass door thickness*: 4.0 – 6.5 mm
- Hole diameter 26 mm
- Cup distance C from 5.5 up to 6.0 mm
- With self-closing feature
- Overlay adjustment +1 mm/-2.5 mm
- Depth adjustment 4 mm

Cup assembly					
		Full overlay		Inset	PU
		6 mm cranking		-5 mm cranking	
Screw-on: T 1		1 072 873		1 072 872	200

For hinge arm cover cap, see Accessories, page 67.

Article		Finish	Order no.*)	PU
Cover cap A		polished gold-plated	1 006 478	1000
		polished nickel-plated	1 006 473	1000
		black	1 007 984	1000
		matt nickel-plated	1 006 639	1000
		metallic brown	1 006 778	1000
Cover cap B		polished gold-plated	1 006 466	1000
		polished nickel-plated	1 006 521	1000
		black	1 006 615	1000
		matt nickel-plated	1 006 637	1000
		metallic brown	1 006 519	1000

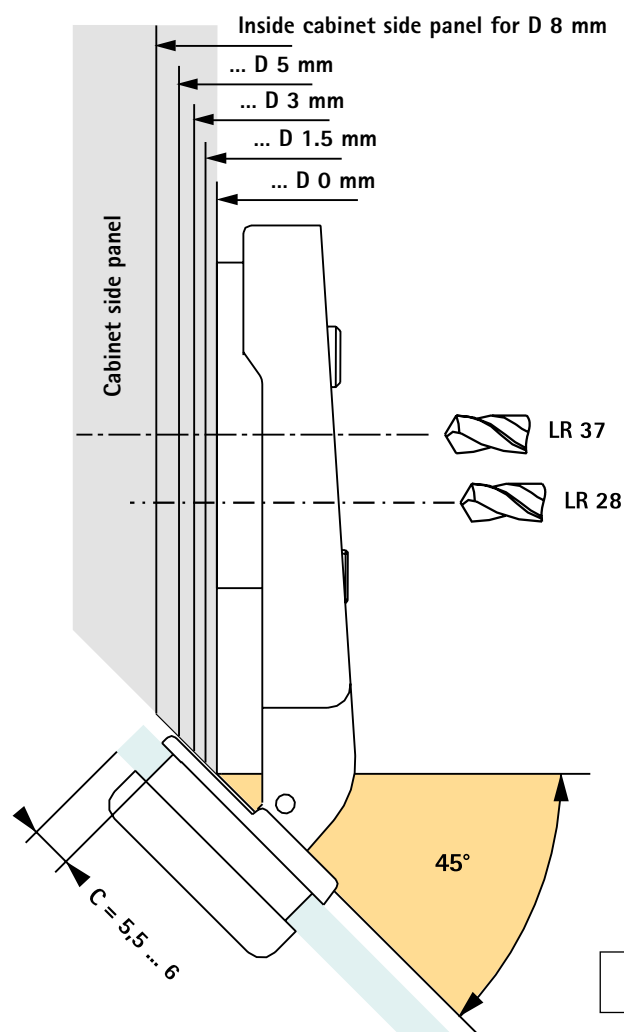
*) Order numbers refer to complete sets and, in addition to the decorative cap itself, also include one cap mount and two fixing screws.

Calculating required mounting-plate distance (D) and hole-line distance (LR) to allow:

Take the measurements in the diagrams below for the required door overlay (A) and cup distance (C).

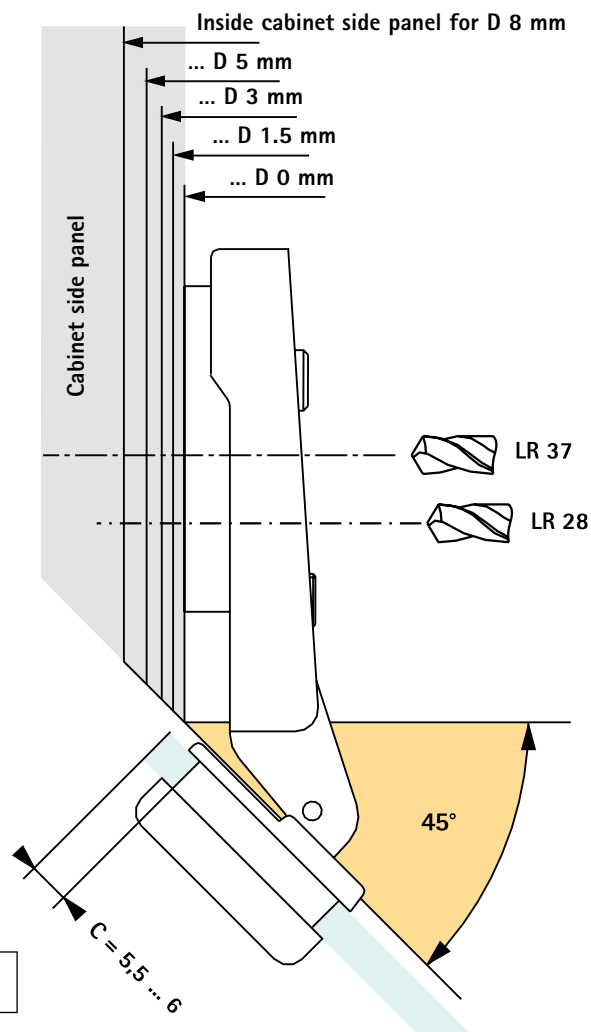
Full-overlay door (6 mm hinge cranking)

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



Inset door (-5 mm hinge cranking)

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



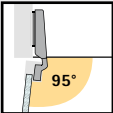
Scale 1:1

Technical information, see pages 14 – 19.
Mounting plates, see pages 64 – 66.

Fast-assembly hinge for aluminium frame doors

Intermat 9936

95° opening angle



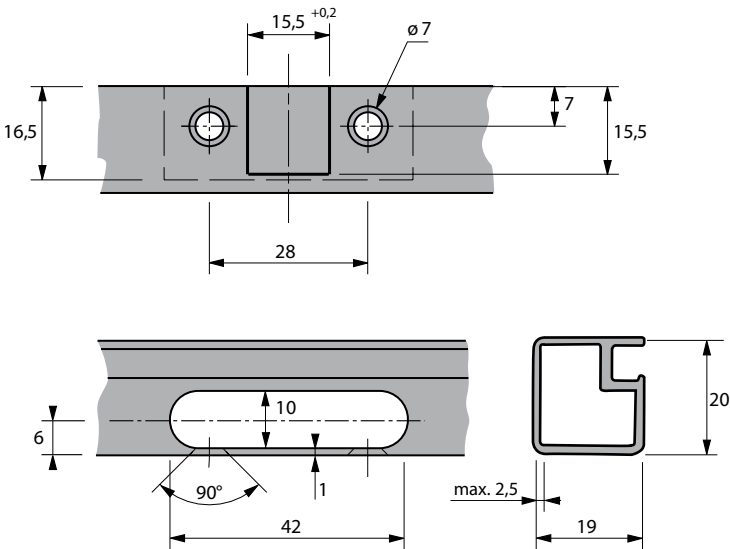
- With self-closing feature
- Overlay adjustment +2.5 mm/-2.5 mm
- Depth adjustment 4 mm



Cup assembly

	Full overlay	Half overlay	Inset	PU
	0 mm cranking	9.5 mm cranking	16 mm cranking	
Screw-on: T 22/26	1 064 103	1 064 105	1 064 108	200
Screw-on for Silent System: T 22/27	9 046 619	9 046 620	9 046 621	200

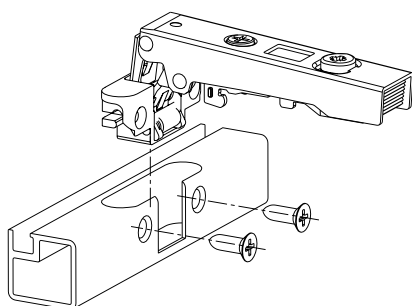
Routing diagram:



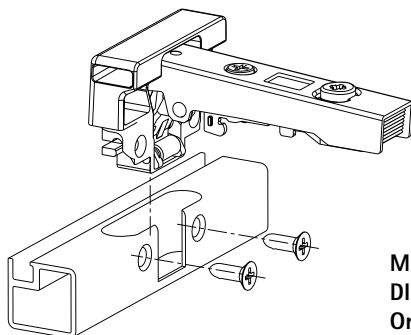
For hinge arm cover cap, see Accessories, page 67.

Installation:

Hinge for aluminium frame doors

**Installation:**

Hinge for aluminium frame doors for use with Silent System

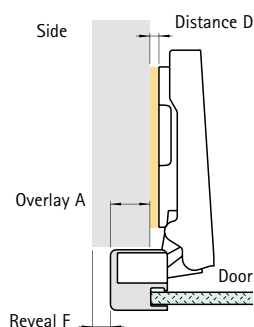


Mounted with 2 self-tapping screws,
DIN 7982-ST 3.5 x 9.5 C-Z;
Order no. 104 460 4,PU 1000 each

Calculating required mounting-plate distance (D):
in relation to chosen door overlay (A)

Full-overlay door

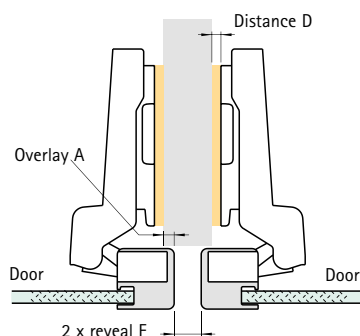
(0 mm hinge cranking)



Distance D = 16 mm - overlay A

Half-overlay door

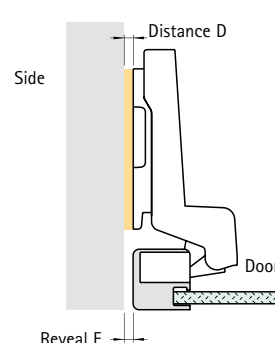
(9.5 mm hinge cranking)



Distance D = 6.5 mm - overlay A

Inset door

(16 mm hinge cranking)



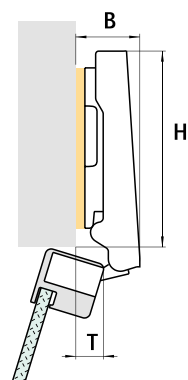
Distance D = reveal F

Door protrusion (T), hinge protrusion (B) and installed hinge depth (H):

	Hinge cranking (mm)		
	K 0 mm (full overlay)	K 9.5 mm (half overlay)	K 16 mm (inset)
T* (mm)	10.0	19.0	26.0
B* (mm)	19.0	29.0	35.5
H** (mm)	66.0	66.0	66.0

*) Measurements refer to a mounting plate with 0 mm distance.
If distance changes, the "T" and "B" dimensions increase accordingly.

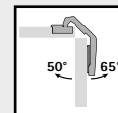
**) Installed depth measured from inside door face



Fast-assembly hinge for corner-unit folding doors

Intermat 9930

Opening angle 50°/65°



- Hole diameter 35 mm
- Cup distance C up to 6 mm
- Cup depth 11.1 mm (11.6 mm Fix)
- With self-closing feature
- Diagonal adjustment ± 9.5 mm
- For overlay adjustment, refer to diagram
- For depth adjustment, refer to diagram

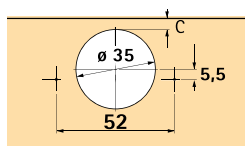


Cup assembly

Corner unit

PU

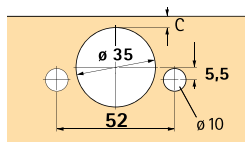
Screw-on:
T 42



9 046 608

200

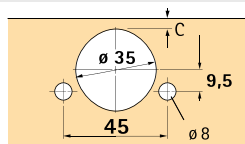
Press-in:
T 43



9 046 609

200

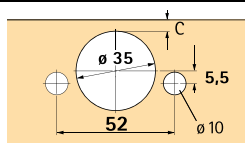
T 43/10



9 046 611

200

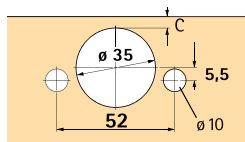
Flash fast assembly:
T 43/15



9 046 612

200

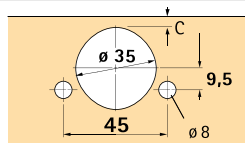
Fix fast assembly:
T 45



9 046 613

200

T 45/10



9 046 617

200

For hinge arm cover cap, see Accessories, page 67.

Features:

- All cup drill holes in one door
- Hairline reveal can be provided between door elements
- No cutaway necessary in cup holes
- Same door width for both elements
- Diagonal adjustment capability for easy adjustment to door thickness
- Same cup distance on both sides of side-mounted door
- Hole-line distance of either 28 mm or 37 mm in the folding door panel

Calculating door width:

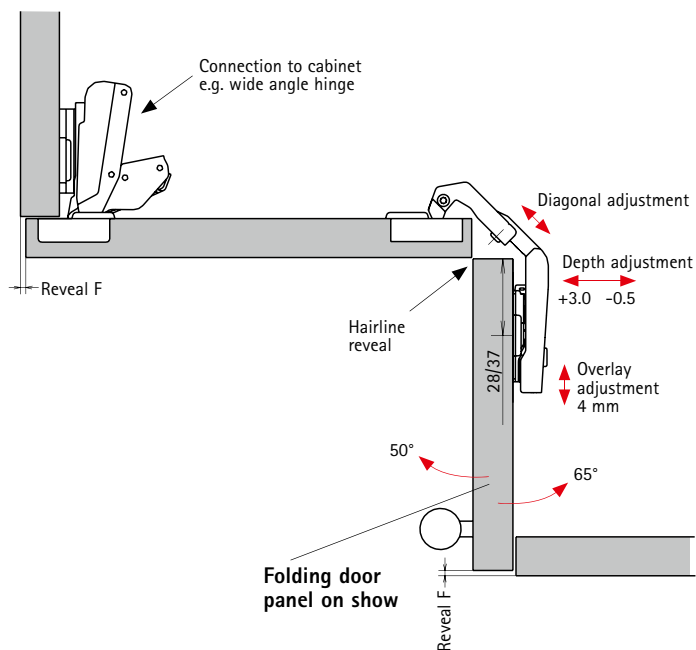
$$\text{Door width} = \text{cabinet width} - \text{reveal F} - \text{door thickness}$$

Calculating required mounting-plate distance (D):

In relation to cup distance (C)

$$\begin{aligned} \text{For cup distance (C)} = 4.5 \text{ mm} &\Rightarrow \text{distance (D)} = 0 \text{ mm} \\ 3.0 \text{ mm} &\Rightarrow \text{distance (D)} = 1.5 \text{ mm} \end{aligned}$$

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



Features:

- Both door elements are the same
- No cutaway necessary in cup holes
- Diagonal adjustment capability for easy adjustment to door thickness
- Hole-line distance of either 32 mm or 41 mm in the side-mounted door

Calculating door width:

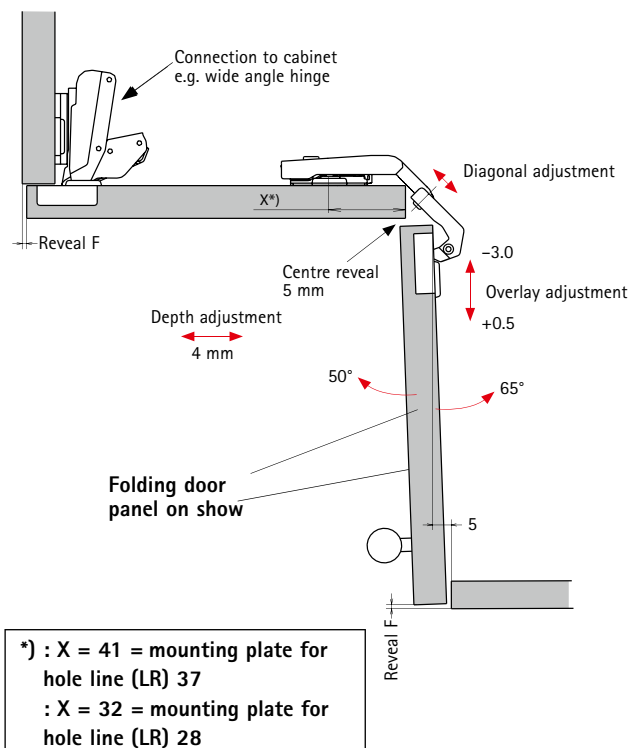
$$\text{Door width} = \text{cabinet width} - \text{reveal F} - \text{door thickness} - 5 \text{ mm}$$

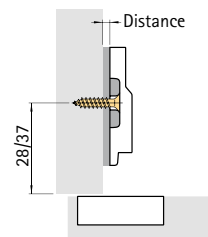
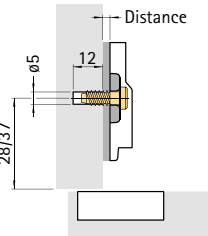
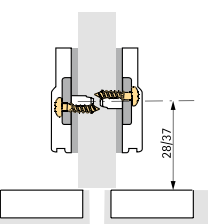
Calculating required mounting-plate distance (D):

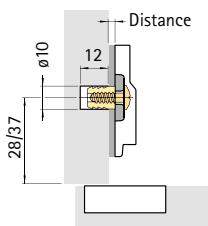
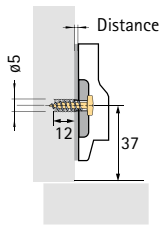
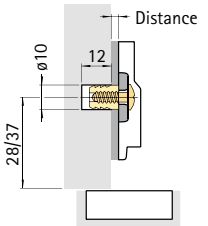
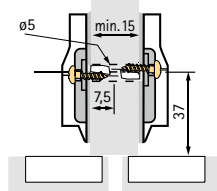
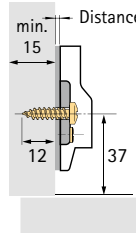
In relation to cup distance (C)

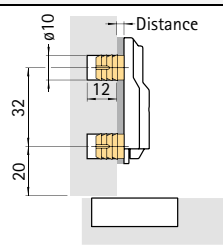
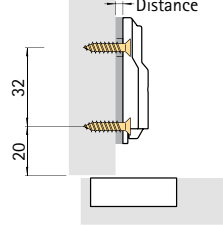
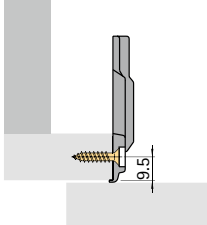
$$\begin{aligned} \text{For cup distance (C)} = 4.5 \text{ mm} &\Rightarrow \text{distance (D)} = 0 \text{ mm} \\ 3.0 \text{ mm} &\Rightarrow \text{distance (D)} = 1.5 \text{ mm} \end{aligned}$$

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



Article		Distance Hole line mm	Distance mm	Total height mm	Order no.	PU
Screw-on cross mounting plate with oblong holes, hole width ø 5.4 mm; hole spacing 32 mm - For attachment with countersunk wood-screws, ø 4.5 x 16 mm - Drill hole: ø 2.5 mm max. - Height adjustment: ± 2 mm - Material: nickel-plated steel/ * nickel-plated zinc	 	28	0.0	8.2	1 071 600	400
		1.5	9.7	1 071 601	400	
		3.0	11.2	1 071 602	400	
		5.0	13.2	1 071 603	400	
		8.0*	16.2	1 071 604	400	
		37	0.0	8.2	1 071 605	400
		1.5	9.7	1 071 606	400	
		3.0	11.2	1 071 607	400	
		5.0	13.2	1 071 608	400	
		8.0*	16.2	1 071 609	400	
Screw-on cross mounting plate with oblong holes and pre-mounted direct fixing screws; hole spacing 32 mm - For attachment with pre-mounted direct fixing screws - Drill hole: ø 5 x 12 mm - Height adjustment: ± 2 mm - Material: nickel-plated steel/ * nickel-plated zinc	 	28	0.0	8.2	1 071 620	400
		1.5	9.7	1 071 621	400	
		3.0	11.2	1 071 622	400	
		5.0	13.2	1 071 623	400	
		8.0*	16.2	1 071 624	400	
		37	0.0	8.2	1 071 625	400
		1.5	9.7	1 071 626	400	
		3.0	11.2	1 071 627	400	
		5.0	13.2	1 071 628	400	
		8.0*	16.2	1 071 629	400	
Screw-on cross mounting plate Hettich-Direkt with oblong holes; hole spacing 32 mm - For attachment with locating pins and asymmetrically pre-mounted wood screws - Drill hole: ø 5 mm x 7.5 mm - Height adjustment: ± 2 mm - Material: nickel-plated steel/ * nickel-plated zinc	 	28	0.0	8.2	1 071 660	400
		1.5	9.7	1 071 661	400	
		3.0	11.2	1 071 662	400	
		5.0	13.2	1 071 663	400	
		8.0*	16.2	1 071 664	400	
		37	0.0	8.2	1 071 665	400
		1.5	9.7	1 071 666	400	
		3.0	11.2	1 071 667	400	
		5.0	13.2	1 071 668	400	
		8.0*	16.2	1 071 669	400	

Article		Distance Hole line mm	Distance mm	Total height mm	Order no.	PU
Cross mounting plate with expanding dowels with oblong holes; hole spacing 32 mm - For attachment with pre-mounted expanding dowels with screws - Drill hole: $\varnothing 10 \times 12$ mm - Height adjustment: ± 2 mm - Material: nickel-plated steel/ * nickel-plated zinc	 	28	0,0	8,2	1 071 680	400
		1,5	9,7	1 071 681	400	
		3,0	11,2	1 071 682	400	
		5,0	13,2	1 071 683	400	
		8,0*	16,2	1 071 684	400	
		37	0,0	8,2	1 071 685	400
		1,5	9,7	1 071 686	400	
		3,0	11,2	1 071 687	400	
		5,0	13,2	1 071 688	400	
		8,0*	16,2	1 071 689	400	
Cross mounting plate with expanding dowels with oblong holes; hole spacing 32 mm - For attachment with pre-mounted expanding dowels with screws - Drill hole: $\varnothing 5 \times 12$ mm - Height adjustment: ± 2 mm - Material: nickel-plated steel / * nickel-plated zinc	 	37	0,0	8,2	1 071 645	400
		1,5	9,7	1 071 646	400	
		3,0	11,2	1 071 647	400	
		5,0	13,2	1 071 648	400	
		8,0*	16,2	1 071 649	400	
		Cross mounting plate with press-in dowels with oblong holes; hole spacing 32 mm - For attachment with press-in dowels - Drill hole: $\varnothing 10 \times 12$ mm - Height adjustment: ± 2 mm - Material: nickel-plated steel/ * nickel-plated zinc	 	28	0,0	8,2
1,5	9,7			1 071 701	400	
3,0	11,2			1 071 702	400	
5,0	13,2			1 071 703	400	
8,0*	16,2			1 071 704	400	
37	0,0			8,2	1 071 705	400
1,5	9,7			1 071 706	400	
3,0	11,2			1 071 707	400	
5,0	13,2			1 071 708	400	
8,0*	16,2			1 071 709	400	
Hettich Direkt Top cross mounting plate With eccentric-height adjuster - Drill hole: $\varnothing 5$ mm - Height adjustment: ± 2 mm - Material: top nickel-plated zinc / bottom zinc	 	37	0,0	8,2	9 006 139	400
		1,5	9,7	9 006 140	400	
		3,0	11,2	9 006 141	400	
		5,0	13,2	9 006 142	400	
		8,0	16,2	9 006 143	400	
		Hettich Top cross mounting plate With eccentric-height adjuster - Drill hole: $\varnothing 2.5$ mm max. - Height adjustment: ± 2 mm - Material: top nickel-plated zinc / bottom zinc	 	37	0,0	8,2
1,5	9,7			9 008 686	400	
3,0	11,2			9 008 687	400	
5,0	13,2			9 008 689	400	
8,0	16,2			9 008 690	400	

Article		Distance Hole line mm	Distance mm	Total height mm	Order no.	PU
Two-part linear mounting plate with press-in dowels - Mounting: press-in dowels - Drill hole: $\varnothing 10 \times 12$ mm - Height adjustment: ± 2 mm - Material: top nickel-plated zinc / bottom steel	 	20 x 32	1.5	9.5	9 012 837	400
			3.0	11.0	9 012 840	400
			5.0	13.0	9 012 841	400
Two-part, screw-on linear mounting plate - Mounting: chipboard screw $\varnothing 3.5$ mm x 16 mm - Drill hole: $\varnothing 2.0$ mm max. - Height adjustment: ± 2 mm - Material: top nickel-plated zinc / bottom steel	 	20 x 32	1.5	9.5	9 012 844	400
			3.0	11.0	9 012 846	400
			5.0	13.0	9 012 847	400
Face-frame mounting plate for face-frame designs, with oblong holes, $\varnothing 4.0$ mm; hole spacing 32 mm, adapters cannot be used - For attachment with wood screws - Drill hole: $\varnothing 2.0$ mm max. - Height adjustment: ± 2 mm - Material: nickel-plated die-cast zinc	 	9.5	0.0	8.2	1 076 538	400
			4.5	12.7	1 076 539	400



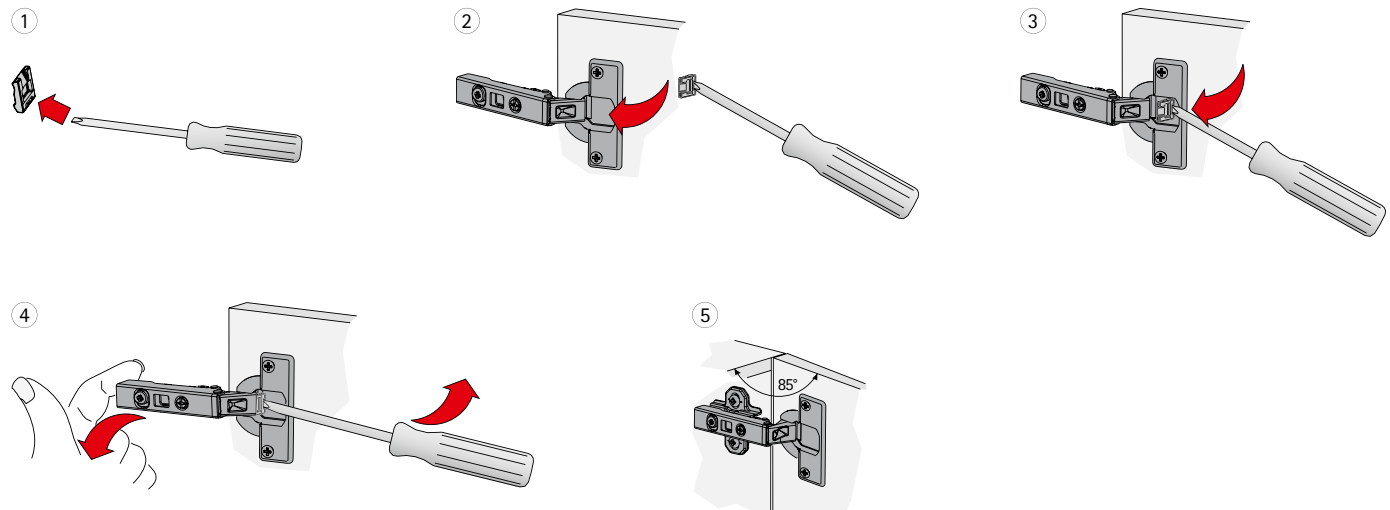
Article			Distance Hole line mm	Distance mm	Total height X mm	Order no.	PU
Parallel spacer plates for cross mounting plates · Material: plastic · Colour: silver-grey	 3.0 mm 5.0 mm 10.0 mm		28/37	3.0	3.0	1 074 727	1000
				5.0	5.0	1 074 728	1000
				10.0	10.0	1 074 729	1000
Angled spacer plates for cross mounting plates · Material: plastic · Colour: silver-grey	 5° 10°		28/37	5°	5.0	1 074 730	400
				10°	10.0	1 074 731	400
Parallel adapters for cross mounting plates · Material: die-cast zinc · including fixing screws	 12 mm 22 mm		28/37	12	15.2	9 015 631	400
				22	25.2	9 015 633	400
Angle adapters for cross mounting plates · Material: die-cast zinc · including fixing screws	 Angle 5° Angle 10° Angle 15°		28/37	5°	15.5	9 037 015	400
				10°	19.0	9 037 017	400
				15°	22.5	9 037 018	400
Steel cover cap For all crankings	 42,4	neutral	42.4 x 14 mm		1 084 644	2000	
		with Hettich logo	42.4 x 14 mm		9 003 932	2000	
Steel cover cap only for 0 cranking	 46	neutral	46.0 x 14 mm		1 084 647	2000	
		with Hettich logo	46.0 x 14 mm		9 003 933	2000	
Adjusting screw, M5 x 14 mm nickel-plated steel · for 9956 only · The opening angle of the wide-angle hinge can be continuously reduced from 165° to 120° at the M5 x 14 mm adjusting screw						1 079 658	200



Opening-angle limiter for Intermat 9943 from 110° to 85° opening

- the opening-angle limiter reduces the opening angle of the hinge or door
- For doors with neighbouring or protruding elements to prevent damage to fronts

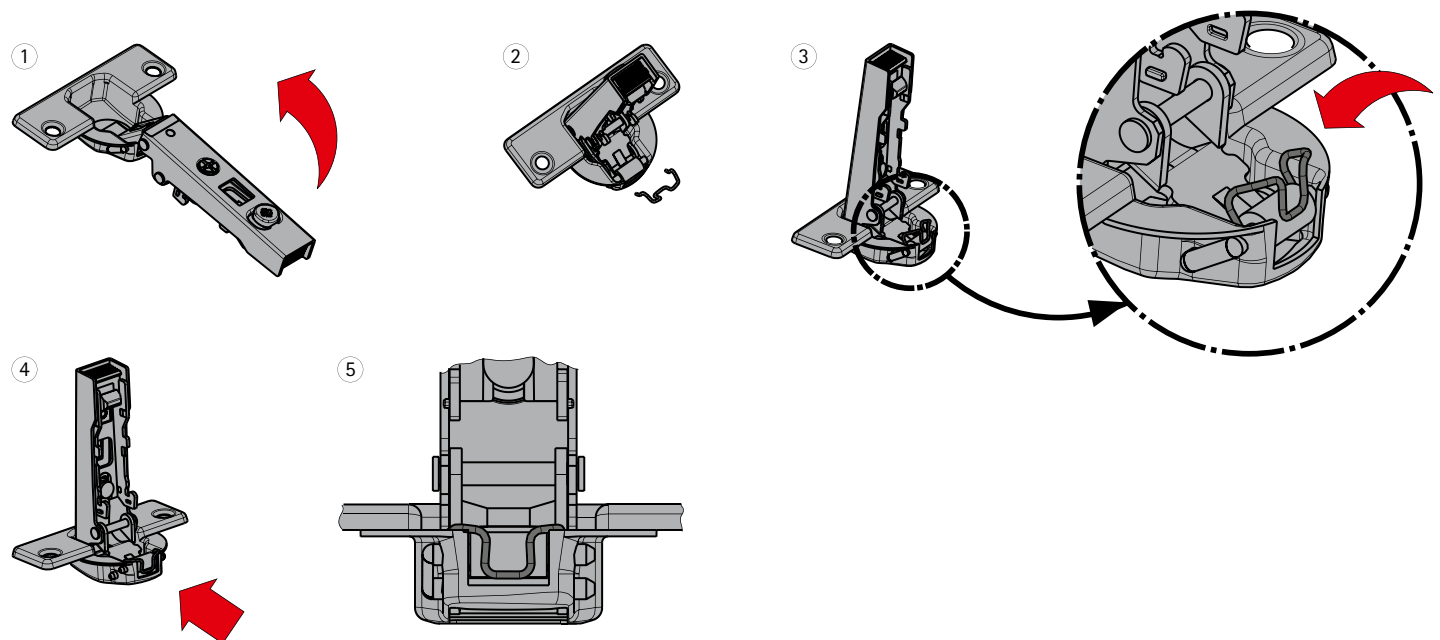
Order no.	PU
9 040 835	200



Opening-angle limiter for profile door hinges Intermat 9936 from 95° to 85° opening

- the opening-angle limiter reduces the opening angle of the hinge or door
- For doors with neighbouring or protruding elements to prevent damage to fronts

Order no.	PU
9 047 123	1000



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Technik für Möbel

