

Maximum stability, integrated
damping, purist design.

tiomos series.



Consistent design solutions
require a single hinge system that
can cover all applications.

**CURRENTLY THE
BEST POSSIBLE
MOVEMENT
SOLUTION.**

DISCOVER.



FOLLOW US



**Enjoy the beauty
of movement.**

The systematically expanded Tiomos range
extends from movement solutions for thin doors
from 6 mm, mirror or aluminium frame doors
to variable wide-angle applications, concealed
hinges and Tiomos for drinks compartment flaps.



reddot design award
honourable mention 2010

Soft-close _inside.

The entire
damper system
is concealed
within the
hinge arm.



For stronger damping
action, turn the adjustment
lever 90° to the right.



Tiemos hinges leave the factory
with the adjustment lever in
the horizontal position.



For a gentler closing action,
simply turn the adjustment
lever of the Soft-close
damper to the left by 90°.

Three levels for individual comfort.

In addition to its many special
functions, timeless design and
unique character, Tiemos offers the
highest level of variable operating
comfort. The force of the Soft-close
damper can be easily adjusted to
your individual requirements
with a simple turn of the lever.



A current trend in furniture making is
dark, high-quality finishes that
continue into the furniture interior.
Tiemos series hinges in the Night
colour option provide the perfect match
for this furniture design aesthetic.



Tiemos Night

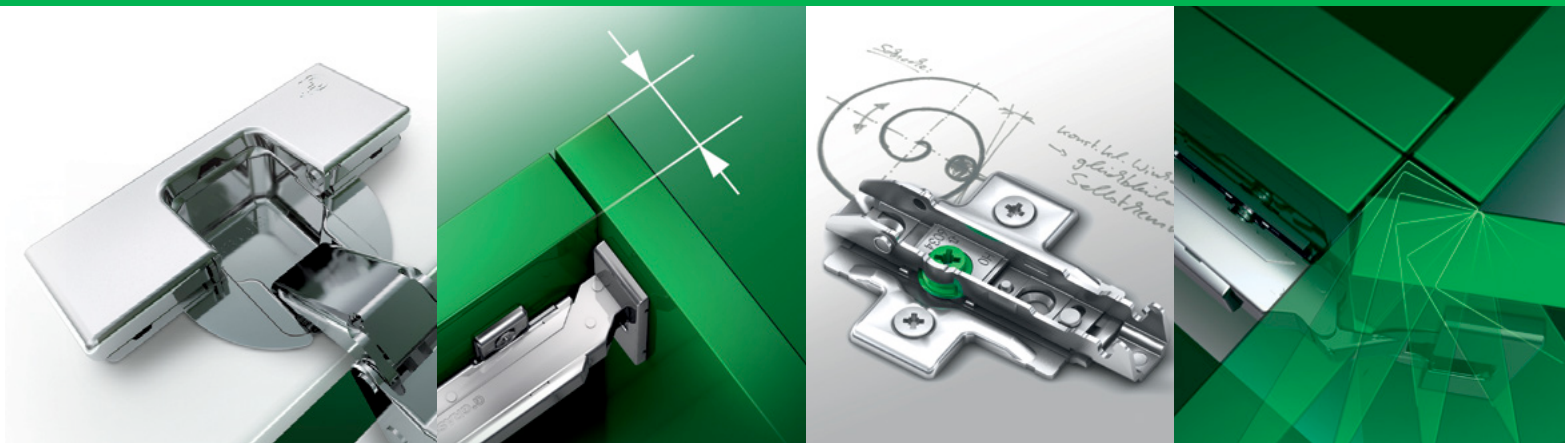


You can tell the quality of a hinge system by how long a hinge will function without developing a fault and how much it will drop under load. Tiomos has achieved exceptionally positive values in tests for durability and for dropping under load.

Tiomos Hinge system

A masterpiece is usually the sum of small strokes of genius. Tiomos is the best example of this.

One of the outstanding characteristics of the hinge system is the Soft-close damper, which features stepwise adjustment and is fully concealed within the hinge arm. The complex inner workings of this high-tech hinge are hidden from view, much like a Swiss clock movement, and are sure to impress with their unique damping characteristics. The closing motion is even and seamless in each movement phase. And all this from an opening angle of just 20°. Irrespective of the size and weight of the door.



Every function has been completely redesigned and redeveloped from the bottom up.

Tiomos offers greater scope for creative design in furniture construction. The hinge system enables full-overlay doors up to 24 mm, ensures a stable connection thanks to the 30% larger contact area, and provides a matching design for combinations of hinges with and without Soft-close. In addition to damping, Tiomos hinges can also be optionally fitted with a self-opening mechanism.

Perfect alignment in an instant.

The Tiomos hinge system offers three movement dimensions for fine adjustment: Stepless, self-locking depth adjustment by +3 to -2 mm using a worm screw. The height can be adjusted by +/-2 mm. The overlay adjustment is +/-2 mm with limit stop.

Another stroke of genius is the new kinematics inside Tiomos.

Physically optimised lever movements make furniture doors extremely easy to open. In addition, the unique kinematics enable unprecedented alignments with minimal gap widths. These special features of the new hinge system are particularly beneficial for furniture designers, as the reduced gaps and reveals open up completely new possibilities in furniture design.



reddot design award
honourable mention 2010

Tiomos Mirro. Crystal clear.

Complete damping comfort for elegant glass and mirror doors.

In addition to the clever fastening technology that ensures firm and stable support, Tiomos Mirro is an extremely elegant solution for high-quality mirror and glass doors. The Soft-close damping integrated into the hinge arm of the proven Tiomos hinge generation ensures an elegant, flowing movement when opening and closing high-quality glass and mirror doors, which is barely noticeable and particularly gentle on the fragile material.



The Tiomos Mirro glass and mirror door hinge in the Tiomos hinge range is also available in the modern Night colour option, thus elegantly and inconspicuously echoing the trend towards dark materials.



Tiomos M0. Thin door hinge

Strong support for particularly narrow door applications.

The Tiomos M0 can be easily screwed onto the furniture door, which allows a wide range of materials with thicknesses from 6 to 10 mm to be used. And all without a cup hole. This means that Tiomos M0 enables the use of thin materials such as aluminium and underlines the aspiration of the Tiomos range to cover all applications. Available with or without integrated Soft-close damping.



Effortlessly compatible.

The self-adhesive adapter for the Tiomos Mirro hinge can be easily mounted on existing self-adhesive adapters from the Nexis series.

Tiomos M series

One system.

Three applications.

With the Tiomos M series, GRASS offers perfect movement for thin doors, glass and mirror doors as well as rebated doors or doors with mitred application. Available with and without damping or with optional self-opening mechanism. In short, Tiomos meets all the requirements to address the growing demands of modern furniture construction.

Tiomos M9 combines all the advantages of the Tiomos hinge series for furniture doors from 12 mm.



Tiomos M9

Full stability for thin furniture doors from 12 mm.

In modern furniture construction, surfaces and furniture doors are becoming thinner. But with Tiomos M9, there is no need to compromise on opening and closing comfort. The unique hinge system remains permanently stable in any position, even with a front thickness of just 12 mm. The perfected movement sequences match the trend towards uncompromising furniture design.

Rebated doors with stepwise adjustable Soft-close damping.

There are furniture doors to meet every taste, so it is ideal when a hinge can be used for many individual solutions. Plus, Tiomos M9 is the only thin door hinge in the world to feature fully integrated, tool-free adjustable damping technology. This enables the use of hinges of the same design with or without a damping function in high-quality furniture construction.

High-tech functionality for doors with four-sided mitred application.

The 56 components of the complex interior and physically optimised kinematics allow the furniture doors to be opened with great ease up to an opening angle of 110°. These optimised movement sequences enable four-sided mitred applications while also protecting the material.

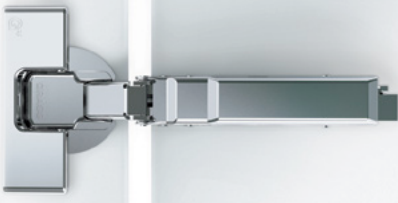
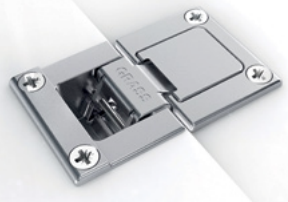
Get ready to play "hunt the fitting". Tiomos Hidden and Kinvaro T-Slim make it possible to create innovative, almost completely transparent furniture designs.

**Discreet
technology
for modern
design.**

The perfect interaction of two visionary movement systems: the Tiomos Hidden hinge system and the new Kinvaro T-Slim lift-up flap system. The two complement each other in a truly unique way, offering invisible technology that opens up a world of new possibilities for furniture designers. Whether with wood or aluminium frame fronts, Tiomos Hidden and Kinvaro T-Slim combine functional design with timeless understatement. This is what sets them apart. Furniture doors and flap fronts move in harmony. **Unobtrusive. Elegant. Solid. Beautiful.**

Hinge systems for trade

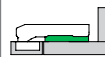
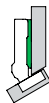
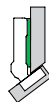
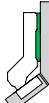
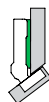
GRASS hinge systems offer the perfect movement solution for almost any application.

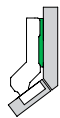
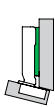
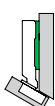
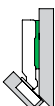
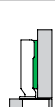
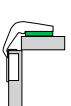
	Tiomos The overall aspiration of the range leaves nothing to be desired. Tiomos hinge system for all standard and special applications.	08
	Tiomos M series The comfortable hinge generation for greater freedom in design. For mirrored doors, glass doors, thin doors and much more.	047
	Tiomos Hidden The concealed hinge system for sophisticated furniture design. Available for wood and aluminium frame doors.	81
	Nexis The versatile hinge system. Finely tuned movement systems. Functionality meets high operating comfort.	95
	Single-pivot hinges Wide-opening solid metal hinges for individual or continuous cabinet construction. Space-saving. Flexible. Functional.	195
	Flap hinge The functional movement solution integrates beautifully into elegant furniture with drinks compartment flaps.	211

Tiomos

Hinge systems

The hinge system with a modern design for all standard and special applications.

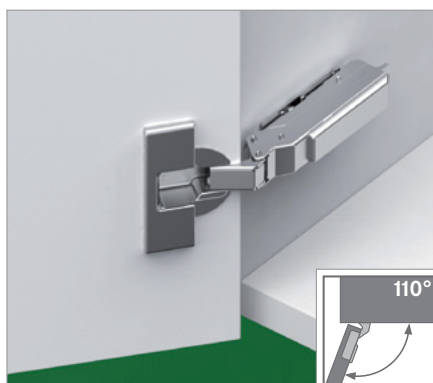
Opening angle		Product description	Full overlay	Overlay	Half overlay	Inset	Page
110°		Tiomos 110 - Optimal reveal for door thicknesses up to 24 mm - Convenient depth adjustment via worm screw - Surfaces: Nickel or Night					10
120°		Tiomos 120 - Optimal reveal for door thicknesses up to 22 mm - Convenient depth adjustment via worm screw					12
155°		Tiomos 155 - Optimal reveal for door thicknesses up to 32 mm - For cabinets with inset drawers or pull-out shelves - Surfaces: Nickel or Night					14
95°		Tiomos 95 - Optimal reveal for door thicknesses up to 28 mm - Convenient depth adjustment via worm screw - Surfaces: Nickel or Night					16
110°		Tiomos 110 AL - Optimal reveal for aluminium frames - Hinge not visible from the outside - Surfaces: Nickel or Night					18
110°		Tiomos 110/90A - Hinge for blind corner constructions - Convenient depth adjustment via worm screw - Surfaces: Nickel or Night	-		-	-	20
110°		Tiomos 110/90E - Hinge for blind corner constructions - Convenient depth adjustment via worm screw - Surfaces: Nickel or Night	-	-	-		22
110°		Tiomos 110/30A - For 30° angled cabinets - Convenient depth adjustment via worm screw	-		-	-	24
110°		Tiomos 110/30E - For 30° angled cabinets - Convenient depth adjustment via worm screw	-	-	-		26
110°		Tiomos 110/37A - For 37° angled cabinets - Convenient depth adjustment via worm screw	-		-	-	28
110°		Tiomos 110/37E - For 37° angled cabinets - Convenient depth adjustment via worm screw	-	-	-		30
110°		Tiomos 110/45A - For 45° angled cabinets - Convenient depth adjustment via worm screw - Surfaces: Nickel or Night	-		-	-	32

Opening angle		Product description	Full overlay	Overlay	Half overlay	Inset	Page
110°		Tiomos 110/45E • For 45° angled cabinets • Convenient depth adjustment via worm screw • Surfaces: Nickel or Night	–	–	–		34
120°		Tiomos 120/-15A • For -15° angled cabinets • Convenient depth adjustment via worm screw	–		–	–	36
120°		Tiomos 120/-30A • For -30° angled cabinets • Convenient depth adjustment via worm screw	–		–	–	38
120°		Tiomos 120/-45A • For -45° angled cabinets • Convenient depth adjustment via worm screw	–		–	–	40
100°		Tiomos 100 • For fridge doors (sliding system) • Convenient depth adjustment via worm screw	–		–	–	42
–		Tiomos PCC • For connecting two corner cabinet doors • Convenient depth adjustment via worm screw	–		–	–	44

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TIOMOS 110

110° hinge (door thicknesses up to 24 mm)



- 110° opening angle
- Optimal reveals for door thicknesses up to 24 mm
- With convenient depth adjustment via worm screw
- 3-dimensional adjustment with corresponding mounting plate
- Surfaces: Nickel or Night (especially for dark cabinet materials and woods)

Available in four versions:

- With integrated damper (3 adjustable damping levels)
- Without integrated damper
- Without self-closing mechanism (without spring)
- With self-opening mechanism



ORDER INFORMATION FOR DRILLING PATTERN 45/9.5, NICKEL

Door overlay		Cranking	Damper		Without spring	With self-opening mechanism ³	Art. No.		
			With	Without			Click-on for screw fitting	Click-on for press fitting	Impresso tool-free
Full overlay ¹		0	■	-	-	-	F028138519	F028138523	F017139329
			-	■	-	-	F045138457	F045138461	F034139300
			-	■	■	-	F046138579	-	F035139357
Overlay ¹		3	■	-	-	-	F028138520	F028138524	F017139330
			-	■	-	-	F045138458	F045138462	F034139301
			-	■	■	-	F046138580	F046138584	F035139358
			-	-	-	■	F046140360	-	-
Half overlay ²		9.5	■	-	-	-	F028138521	F028138525	F017139331
			-	■	-	-	F045138459	F045138463	F034139302
			-	■	■	-	F046138581	F046138585	F035139359
			-	-	-	■	F046140365	-	-
Inset ²		19	■	-	-	-	F028138522	F028138526	F017139332
			-	■	-	-	F045138460	F045138464	F034139303
			-	■	■	-	F046138582	F046138586	F035139360
			-	-	-	■	F046140366	-	-

¹ Cup material: steel, nickel-plated/Arm material: steel, nickel-plated

² Cup material: steel, nickel-plated/Arm material: zamak, nickel-plated

³ Additional Tipmatic Plus Pin required

ORDER INFORMATION FOR DRILLING PATTERN 45/9.5, NIGHT

Door overlay		Cranking	Damper		Without spring		Art. No.		
			With	Without			Click-on for screw fitting		
Overlay ¹		3	■	-	-		F028139129		
			-	■	-		F045140958		
			-	■	■		F046149603		
Half overlay ²		9.5	■	-	-		F028139130		
			-	■	-		F045140952		
			-	■	■		F046149604		
Inset ²		19	■	-	-		F028139131		
			-	■	-		F045140955		
			-	■	■		F046149605		

¹ Cup material: steel, Night/Arm material: steel, Night

² Cup material: steel, Night/Arm material: zamak, Night

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PLANNING DIMENSIONS

All dimensions in millimetres

	Full overlay	K0	Overlay	K3	Half overlay	K9.5	Inset ¹	K19
	Mounting plate height 2		Mounting plate height 2		Mounting plate height 2		Mounting plate height 2	
							¹ Set mounting plate back by door thickness + 1.5 mm	

Door overlay	0	Cup distance				
		3	4	5	6	7
	24.0					-2
	23.0				-2	
	22.0			-2		0
	21.0		-2		0	
	20.0	-2		0		2
	19.0		0		2	3
	18.5					
	18.0	0		2	3	
17.5						
17.0		2	3			
16.5						
16.0	2	3				
15.5						
15.0	3					

Door overlay	3	Cup distance				
		3	4	5	6	7
	21.0					-2
	20.0				-2	
	19.0			-2		0
	18.0		-2		0	
	17.0	-2		0		2
	16.5					
	16.0		0		2	3
	15.5					
15.0	0		2	3		
14.5						
14.0		2	3			
13.5						
13.0	2	3				
12.5						
12.0	3					

Door overlay	9.5	Cup distance				
		3	4	5	6	7
	14.5					-2
	13.5				-2	
	12.5			-2		0
	11.5		-2		0	
	10.5	-2		0		2
	10.0					
	9.5		0		2	3
	9.0					
8.5	0		2	3		
8.0						
7.5		2	3			
7.0						
6.5	2	3				
6.0						
5.5	3					

Door reveal	19	Cup distance				
		3	4	5	6	7
	0.0		0		2	3
	0.5					
	1.0	0		2	3	
	1.5					
	2.0		2	3		
	3.0	2	3			
	4.0	3				

Mounting plate height						Mounting plate height						Mounting plate height						Mounting plate height					
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MINIMUM GAP

[illegible]² 1.0 with 85° opening angle

MINIMUM REVEAL

[illegible]

85° OPENING ANGLE

Door thickness		Cup distance				
		3	4	5	6	7
	36.0	11.1	10.3	9.7	9.1	8.5
	30.0	5.4	4.8	4.4	4.3	4.2
	28.0	3.7	3.6	3.5	3.4	3.3
	26.0	2.9	2.8	2.8	2.7	2.6
	24.0	2.2	2.1	2.1	2.1	2.0
	22.0	1.6	1.6	1.6	1.5	1.5
	21.0	1.4	1.3	1.3	1.3	1.3
	20.0	1.1	1.1	1.1	1.1	1.1
19.0	0.9	0.9	0.9	0.9	0.9	
18.0	0.7	0.7	0.7	0.7	0.7	
16.0	0.6	0.6	0.6	0.6	0.6	
	Minimum reveal (F) ³ at 85°					

³ 85° opening angle reduction clip

NOTES

The minimum gap is the clearance required between the cabinet face and the closed door so that the door can be opened without hindrance.

Minimum reveal for doors with chamfered edges ($R = 1 \text{ mm}$) with factory setting.

A trial fitting is recommended for door thicknesses from 24 mm.

DRILLING PATTERNS 45/9.5

For screw fitting

For press fitting

Impresso combination drilling pattern

CUP DIMENSIONS

Technical drawing of a mechanical part showing front and side views with dimensions.

Front View (Left):

- Overall width: 62 (64.5)
- Overall height: 39 (40.5)
- Central circular feature with a diameter of 12.6.

Side View (Right):

- Overall height: 39 (40.5)
- Internal feature height: 3 (8)
- Dimension line for the central circular feature: min. 12.6

() Impresso

TIOMOS 120

120° hinge (door thicknesses up to 24 mm)



- 120° opening angle
- Optimal reveals for door thicknesses up to 22 mm
- With convenient depth adjustment via worm screw
- 3-dimensional adjustment with corresponding mounting plate

Available in three versions:

- With integrated damper (3 adjustable damping levels)
- Without integrated damper
- Without self-closing mechanism (without spring)

ORDER INFORMATION FOR DRILLING PATTERN 45/9.5, NICKEL

Door overlay		Cranking	Damper		Without spring	Art. No.		
			With	Without		Click-on for screw fitting	Click-on for press fitting	Impresso tool-free
Full overlay ¹		0	■	-	-	F028138547	F028138551	F017139343
			-	■	-	F045138485	F045138489	F034139314
			-	■	■	F046138607	F046138611	F035139371
Overlay ¹		3	■	-	-	F028138548	F028138552	F017139344
			-	■	-	F045138486	F045138490	-
			-	■	■	F046138608	F046138612	-
Half overlay ²		9.5	■	-	-	F028138549	F028138553	F017139345
			-	■	-	F045138487	F045138491	F034139316
			-	■	■	F046138609	F046138613	F035139373
Inset ²		19	■	-	-	F028138550	F028138554	F017139346
			-	■	-	F045138488	F045138492	F034139317
			-	■	■	F046138610	F046138614	F035139374

¹ Cup material: steel, nickel-plated/Arm material: steel, nickel-plated

² Cup material: steel, nickel-plated/Arm material: zamak, nickel-plated

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PLANNING DIMENSIONS

All dimensions in millimetres

[illegible]

MINIMUM GAP

[illegible]² 1.0 with 85° opening angle

MINIMUM REVEAL

[illegible]

85° OPENING ANGLE

	Cup distance				
	3	4	5	6	7
36.0	11.1	10.3	9.7	9.1	8.5
30.0	5.4	4.8	4.4	4.3	4.2
28.0	3.7	3.6	3.5	3.4	3.3
26.0	2.9	2.8	2.8	2.7	2.6
24.0	2.2	2.1	2.1	2.1	2.0
22.0	1.6	1.6	1.6	1.5	1.5
21.0	1.4	1.3	1.3	1.3	1.3
20.0	1.1	1.1	1.1	1.1	1.1
19.0	0.9	0.9	0.9	0.9	0.9
18.0	0.7	0.7	0.7	0.7	0.7
16.0	0.6	0.6	0.6	0.6	0.6
	Minimum reveal (F) ³ at 85°				

³ 85° opening angle reduction clip

NOTES

The minimum gap is the clearance required between the cabinet face and the closed door so that the door can be opened without hindrance.

Minimum reveal for doors with chamfered edges ($R = 1 \text{ mm}$) with factory setting.

A trial fitting is recommended for door thicknesses from 24 mm.

DRILLING PATTERNS 45/9.5

For screw fitting

For press fitting

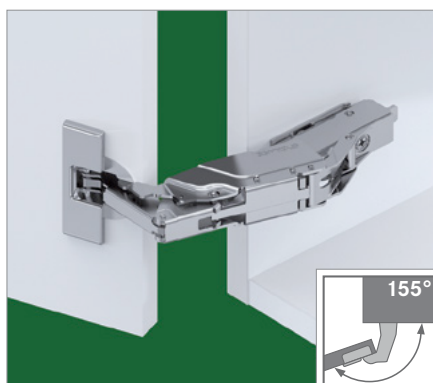
Impresso combination drilling pattern

CUP DIMENSIONS

() Impresso

TIOMOS 155

155° wide-angle hinge (door thicknesses up to 32 mm)



- 155° opening angle
- With convenient depth adjustment via worm screw
- For cabinets with inset drawers or pull-out shelves
- Optimal reveals for door thicknesses up to 32 mm
- 3-dimensional adjustment with corresponding mounting plate
- Minimum reveals
- Shallow cup depth
- Surfaces: Nickel or Night (especially for dark cabinet materials and woods)

Available in three versions:

- With integrated damper (3 adjustable damping levels)
- Without integrated damper
- Without self-closing mechanism (without spring)

ORDER INFORMATION FOR DRILLING PATTERN 45/9.5, NICKEL

Door overlay		Cranking	Damper		Without spring	Art. No.		
			With	Without		Click-on for screw fitting	Click-on for press fitting	Impresso tool-free
Full overlay ¹		0	■	-	-	F028138561	F028138564	F017139350
			-	■	-	F045138499	F045138502	F034139321
			-	■	■	F046138621	F046138624	-
Overlay ¹		3	■	-	-	F028138562	F028138565	F017139351
			-	■	-	F045138500	F045138503	F034139322
			-	■	■	F046138622	F046138625	-
Half overlay ¹		9.5	■	-	-	F028138563	F028138566	F017139352
			-	■	-	F045138501	F045138504	F034139323
			-	■	■	F046138623	F046138626	F035139380

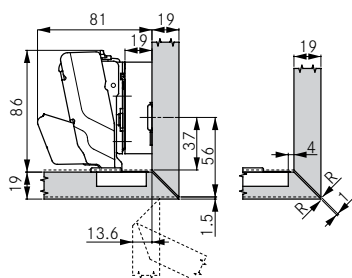
¹ Cup material: zamak, nickel-plated/Arm material: zamak, nickel-plated

ORDER INFORMATION FOR DRILLING PATTERN 45/9.5, NIGHT

Door overlay		Cranking	Damper		Without spring	Art. No.		
			With	Without		Click-on for screw fitting		
Overlay ¹		3	■	-	-	F028140944		
Half overlay ¹		9.5	■	-	-	F028140942		

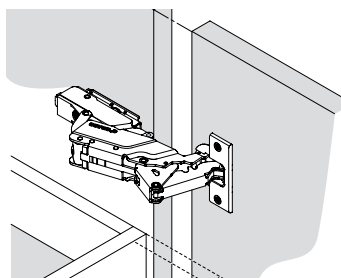
¹ Cup material: zamak, Night/Arm material: zamak, Night

MITRED APPLICATION (ON ALL SIDES)



With 0 cranking, mounting plate height 19 mm and cup distance 4 mm, door and cabinet edges can meet at mitred angles on all 4 sides.

ZERO PROTRUSION



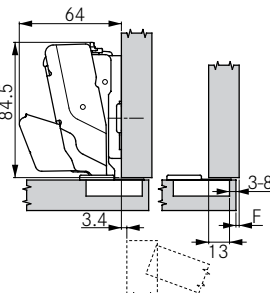
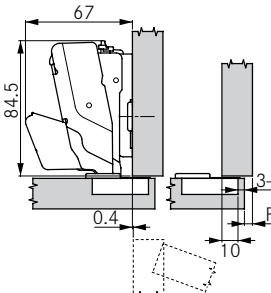
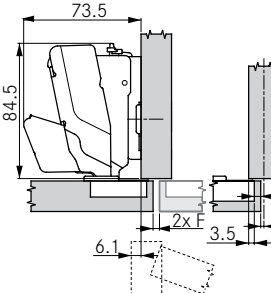
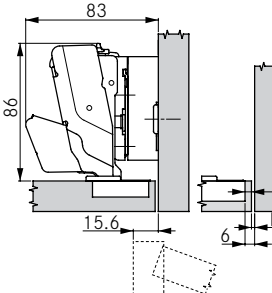
For use with inset drawers.

At 0 cranking, and with all mounting plate thicknesses, the door protrudes inwards at 90°. With cranking size 3 and mounting plate height 3 mm, the door will be flush with the cabinet.

Door thickness (TS)	Mitre, all 4 sides	Mitre, side
	R (min.)	R (min.)
19-20	1.0	0
22	2.0	0
24	3.0	1.0
26	4.2	2.5
28	5.4	3.8
30	6.5	5.3

PLANNING DIMENSIONS

All dimensions in millimetres

Full overlay		K0	Overlay		K3	Half overlay		K9.5	Inset ¹		K0
											
Mounting plate height 2		Mounting plate height 2		Mounting plate height 2		Cranking 0, mounting plate height 21					
										¹ Set mounting plate back by door thickness +1.5 mm	

MINIMUM GAP

	Cup distance							
	3	4	5	6	7	8		
32.0	1.0	1.0						
31.0	1.0	1.0	1.0					
30.0	1.0	1.0	1.0					
29.0	1.0	1.0	1.0	1.0	1.0	1.0		
28.0	1.0	1.0	1.0	1.0	1.0	1.0		
26.0	1.0	1.0	1.0	1.0	1.0	1.0		
25.0	1.0	1.0	1.0	1.0	1.0	1.0		
24.0	1.0	1.0	1.0	1.0	1.0	1.0		
22.0	1.0	1.0	1.0	1.0	1.0	1.0		
21.0	1.0	1.0	1.0	1.0	1.0	1.0		
20.0	1.0	1.0	1.0	1.0	1.0	1.0		
18.0	1.0	1.0	1.0	1.0	1.0	1.0		
16.0	1.0	1.0	1.0	1.0	1.0	1.0		

Door thickness

Minimum gap

MINIMUM REVEAL

	Cup distance							
	3	4	5	6	7	8		
32.0	0.2	0.2						
31.0	0.2	0.2	0.2					
30.0	0.2	0.2	0.2	0.2				
29.0	0.2	0.2	0.2	0.2	0.2	0.2		
28.0	0.0	0.0	0.0	0.0	0.0	0.0		
26.0	0.0	0.0	0.0	0.0	0.0	0.0		
25.0	0.0	0.0	0.0	0.0	0.0	0.0		
24.0	0.0	0.0	0.0	0.0	0.0	0.0		
22.0	0.0	0.0	0.0	0.0	0.0	0.0		
21.0	0.0	0.0	0.0	0.0	0.0	0.0		
20.0	0.0	0.0	0.0	0.0	0.0	0.0		
18.0	0.0	0.0	0.0	0.0	0.0	0.0		
16.0	0.0	0.0	0.0	0.0	0.0	0.0		

Door thickness

Minimum reveal (F)

■ Only possible with 120° angle reduction clip

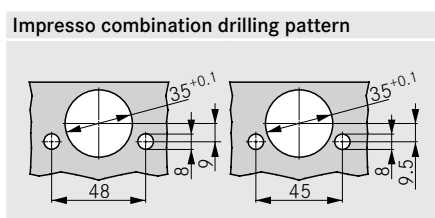
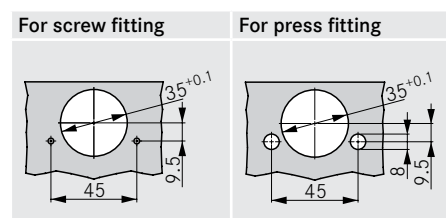
NOTES

The minimum gap is the clearance required between the cabinet face and the closed door so that the door can be opened without hindrance.

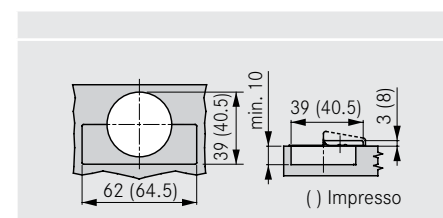
Minimum reveal for doors with chamfered edges (R = 1 mm) with factory setting.

Up to door thickness 28 mm, no reveals are necessary. For door thicknesses from 29 mm, we recommend a trial fitting.

DRILLING PATTERNS 45/9.5



CUP DIMENSIONS



TIOMOS 95

95° hinge (door thicknesses up to 28 mm)



- 95° opening angle
- Optimal reveals for door thicknesses up to 28 mm
- With convenient depth adjustment via worm screw
- 3-dimensional adjustment with corresponding mounting plate
- Surfaces: Nickel or Night (especially for dark cabinet materials and woods)

Available in three versions:

- With integrated damper (3 adjustable damping levels)
- Without integrated damper
- Without self-closing mechanism (without spring)

ORDER INFORMATION FOR DRILLING PATTERN 45/9.5, NICKEL

Door overlay		Cranking	Damper		Without spring	Art. No.		
			With	Without		Click-on for screw fitting	Click-on for press fitting	Impresso tool-free
Full overlay ¹		0	■	-	-	F028138567	F028138571	F017139353
			-	■	-	F045138505	F045138509	F034139324
			-	■	■	F046138627	F046138631	F035139381
Overlay ¹		3	■	-	-	F028138568	F028138572	F017139354
			-	■	-	F045138506	F045138510	F034139325
			-	■	■	F046138628	F046138632	F035139382
Half overlay ²		9.5	■	-	-	F028138569	F028138573	F017139355
			-	■	-	F045138507	F045138511	F034139326
			-	■	■	-	F046138633	-
Inset ²		19	■	-	-	F028138570	F028138574	F017139356
			-	■	-	F045138508	F045138512	F034139327
			-	■	■	-	F046138634	-

¹ Cup material: steel, nickel-plated/Arm material: steel, nickel-plated

² Cup material: steel, nickel-plated/Arm material: zamak, nickel-plated

ORDER INFORMATION FOR DRILLING PATTERN 45/9.5, NIGHT

Door overlay		Cranking	Damper		Without spring	Art. No.		
			With	Without		Click-on for screw fitting		
Overlay ¹		3	■	-	-	F028139138		
			-	■	-	F045149534		
			-	■	■	F046149609		
Half overlay ²		9.5	■	-	-	F028140936		
			-	■	-	F045149535		
			-	■	■	F046149610		
Inset ²		19	■	-	-	F028140939		
			-	■	-	F045149536		
			-	■	■	F046149611		

¹ Cup material: steel, Night/Arm material: steel, Night

² Cup material: steel, Night/Arm material: zamak, Night

PAGE REFERENCES

Tiomos mounting plates	60
Accessories	70
Technical information	74

Tipmatic	88
Assembly technology	225
Assembly aids	230

TIOMOS 110 AL

110° aluminium frame hinge (frame thicknesses up to 24 mm)



- 110° opening angle
- Optimal reveal for aluminium frames up to a max. frame thickness of 24 mm and frame width of 22 mm
- Hinge not visible from the outside
- With convenient depth adjustment via worm screw
- 3-dimensional adjustment with corresponding mounting plate
- Surfaces: Nickel or Night (especially for dark cabinet materials and woods)

Available in three versions:

- With integrated damper (3 adjustable damping levels)
- Without integrated damper
- Without self-closing mechanism (without spring)

ORDER INFORMATION, NICKEL

Door overlay		Cranking	Damper		Without spring	Art. No.		
			With	Without		Click-on for screw fitting		
Full overlay ¹		0	■	-	-	F028138154		
			-	■	-	F045138061		
			-	■	■	F046138245		
Overlay ¹		3	■	-	-	F028138155		
			-	■	-	F045138062		
			-	■	■	F046138246		
Half overlay ²		9.5	■	-	-	F028138156		
			-	■	-	F045138063		
			-	■	■	F046138247		
Inset ²		19	■	-	-	F028138157		
			-	■	-	F045138064		
			-	■	■	F046138248		

¹ Cup material: zamak, nickel-plated/Arm material: steel, nickel-plated

² Cup material: zamak, nickel-plated/Arm material: zamak, nickel-plated

ORDER INFORMATION, NIGHT

Door overlay		Cranking	Damper		Without spring	Art. No.		
			With	Without		Click-on for screw fitting		
Overlay ¹		3	■	-	-	F028140404		
			-	■	-	F045149510		
			-	■	■	F046149594		

¹ Cup material: zamak, Night/Arm material: steel, Night

² Cup material: zamak, Night/Arm material: zamak, Night

PAGE REFERENCES

Tiomos mounting plates	60
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Tipmatic	88
Assembly technology	225
Assembly aids	230

PLANNING DIMENSIONS

All dimensions in millimetres

Full overlay		K0	Overlay		K3	Half overlay		K9.5	Inset ¹		K19
Mounting plate height 2			Mounting plate height 2			Mounting plate height 2			Mounting plate height 2		
									¹ Set mounting plate back by door thickness + 1.5 mm		
Door overlay	0	Cup distance	Door overlay	3	Cup distance	Door overlay	9.5	Cup distance	Door reveal	19	Cup distance
	19.0	0		16.0	0		9.5	0		0.0	0
	17.0	2		14.0	2		7.5	2		2.0	2
	16.0	3		13.0	3		6.5	3		3.0	3
Mounting plate height			Mounting plate height			Mounting plate height			Mounting plate height		

MINIMUM REVEAL

Frame thickness	Frame width				
	18	19	20	21	22
	24.0	2.4	2.1	2.1	2.1
	22.0	1.6	1.6	1.6	1.5
	21.0	1.4	1.3	1.3	1.3
	20.0	1.1	1.1	1.1	1.1
	19.0	0.9	0.9	0.9	0.9
	18.0	0.7	0.7	0.7	0.7
	17.0	0.6	0.6	0.6	0.6
	16.0	0.6	0.6	0.6	0.6
Minimum reveal (F)					

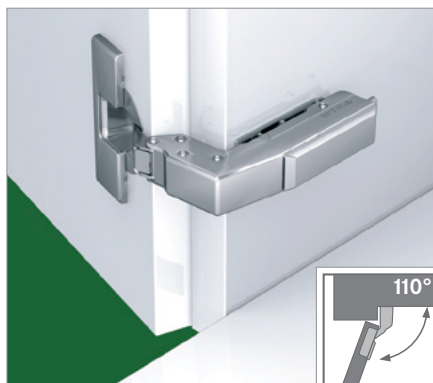
INSTALLATION DIMENSIONS

Hinge dimensions and reveal calculation with factory setting

Fixing screws are not included	

TIOMOS 110/90A

110° blind corner hinge (overlay)

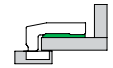


- Hinge for overlay blind corner constructions
- 110° opening angle
- With convenient depth adjustment via worm screw
- 3-dimensional adjustment with corresponding mounting plate
- Minimum reveals
- Surfaces: Nickel or Night (especially for dark cabinet materials and woods)

Available in two versions:

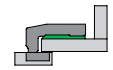
- With integrated damper (3 adjustable damping levels)
- Without integrated damper

ORDER INFORMATION FOR DRILLING PATTERN 45/9.5, NICKEL

Door overlay			Damper		Without spring	Art. No.		
			With	Without		Click-on for screw fitting	Click-on for press fitting	Impresso tool-free
Overlay ¹			■	-	-	F028138535	F028138545	F017139341
			-	■	-	-	F045138483	-

¹ Cup material: steel, nickel-plated/Arm material: zamak, nickel-plated

ORDER INFORMATION FOR DRILLING PATTERN 45/9.5, NIGHT

Door overlay			Damper		Without spring	Art. No.		
			With	Without		Click-on for screw fitting		
Overlay ¹			■	-	-	F028140419		

¹ Cup material: steel, Night/Arm material: zamak, Night

PAGE REFERENCES

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Assembly technology	225
Assembly aids	230

PLANNING DIMENSIONS

All dimensions in millimetres

Inset

Cross mounting plates with mounting distance 37

Linear mounting plates

Drilling distance (X)	Cup distance					
	3	4	5	6	7	
30.0	18	19	20	21	22	
29.0	17	18	19	20	21	
28.0	16	17	18	19	20	
27.0	15	16	17	18	19	
26.0	14	15	16	17	18	

Mounting plate height 0

Door overlay

Drilling distance (X)	Cup distance					
	3	4	5	6	7	
13.0	18	19	20	21	22	
12.0	17	18	19	20	21	
11.0	16	17	18	19	20	
10.0	15	16	17	18	19	
9.0	14	15	16	17	18	

Door overlay

MINIMUM GAP

	Cup distance					
	3	4	5	6	7	
Door thickness	24.0	1.0	1.0	1.0	1.2	2.1
	22.0	1.0	1.0	1.0	1.0	1.5
	21.0	1.0	1.0	1.0	1.0	1.2
	20.0	1.0	1.0	1.0	1.0	1.0
	19.0	1.0	1.0	1.0	1.0	1.0
	18.0	1.0	1.0	1.0	1.0	1.0
	17.0	1.0	1.0	1.0	1.0	1.0
	16.0	1.0	1.0	1.0	1.0	1.0
Minimum gap						

NOTES

The minimum gap is the clearance required between the cabinet face and the closed door so that the door can be opened without hindrance.

DRILLING PATTERNS 45/9.5

For screw fitting

For press fitting

Impresso combination drilling pattern

CUP DIMENSIONS

() Impresso

TIOMOS 110/90E

110° blind corner hinge (inset)

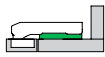


- Hinge for blind corner constructions
- 110° opening angle
- With convenient depth adjustment via worm screw
- 3-dimensional adjustment with corresponding mounting plate
- Minimum reveals
- Surfaces: Nickel or Night (especially for dark cabinet materials and woods)

Available in three versions:

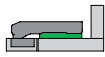
- With integrated damper (3 adjustable damping levels)
- Without integrated damper
- Without self-closing mechanism (without spring)

ORDER INFORMATION FOR DRILLING PATTERN 45/9.5, NICKEL

Door overlay		Damper		Without spring	Art. No.		
		With	Without		Click-on for screw fitting	Click-on for press fitting	Impresso tool-free
Inset ¹		■	-	-	F028138536	F028138546	F017139342
		-	■	-	F045138474	F045138484	F034139313
		-	■	■	F046138596	F046138606	F035139370

¹ Cup material: steel, nickel-plated/Arm material: zamak, nickel-plated

ORDER INFORMATION FOR DRILLING PATTERN 45/9.5, NIGHT

Door overlay		Damper		Without spring	Art. No.		
		With	Without		Click-on for screw fitting		
Inset ¹		■	-	-	F028140961		

¹ Cup material: steel, Night/Arm material: zamak, Night

PAGE REFERENCES

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Technical information	74

Tipmatic	88
Assembly technology	225
Assembly aids	230

PLANNING DIMENSIONS

All dimensions in millimetres

Inset

Cross mounting plates with mounting distance 37

Linear mounting plates

Mounting plate height 3

Drilling distance (X)	Cup distance				
	4	5	6	7	
28.0	1	0			
27.0	2	1	0		
26.0	3	2	1	0	

Door reveal

Drilling distance (X)	Cup distance				
	4	5	6	7	
11.0	1	0			
10.0	2	1	0		
9.0	3	2	1	0	

Door reveal

MINIMUM REVEAL

	Cup distance					
	3	4	5	6	7	
24.0	2.4	2.1	2.1	2.1	2.0	
22.0	1.6	1.6	1.6	1.5	1.5	
21.0	1.4	1.3	1.3	1.3	1.3	
20.0	1.1	1.1	1.1	1.1	1.1	
19.0	0.9	0.9	0.9	0.9	0.9	
18.0	0.7	0.7	0.7	0.7	0.7	
17.0	0.6	0.6	0.6	0.6	0.6	
16.0	0.6	0.6	0.6	0.6	0.6	
Minimum reveal (F)						

NOTES

Minimum reveal for doors with chamfered edges ($R = 1 \text{ mm}$) with factory setting.

Use standard mounting plate height 3 to ensure that the door and blind corner surface are flush.

DRILLING PATTERNS 45/9.5

For screw fitting

For press fitting

Impresso combination drilling pattern

CUP DIMENSIONS

() Impresso

TIOMOS 110/30A

+30° angle corner cabinet hinge (overlay)



- For 30° angled cabinets
- 110° opening angle
- With convenient depth adjustment via worm screw
- 3-dimensional adjustment with corresponding mounting plate
- Minimum reveals

Available in three versions:

- With integrated damper (3 adjustable damping levels)
- Without integrated damper
- Without self-closing mechanism (without spring)

ORDER INFORMATION FOR DRILLING PATTERN 45/9.5, NICKEL

Door overlay		Damper		Without spring	Art. No.		
		With	Without		Click-on for screw fitting	Click-on for press fitting	
Overlay ¹		■	-	-	F028138529	-	
		-	■	-	F045138467	-	
		-	■	■	F046138589	F046138599	

¹ Cup material: steel, nickel-plated/Arm material: zamak, nickel-plated

PAGE REFERENCES

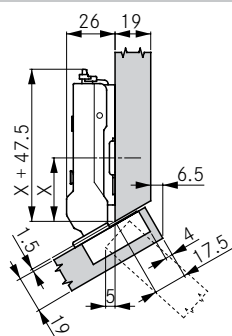
Tiomos mounting plates	60
Accessories	70
Technical information	74

Tipmatic	88
Assembly technology	225
Assembly aids	230

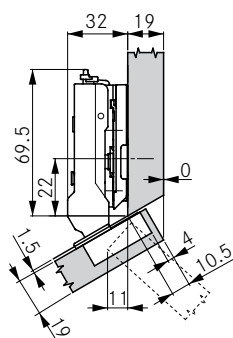
PLANNING DIMENSIONS

All dimensions in millimetres

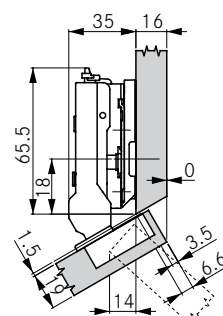
Overlay



Mounting plate height 0



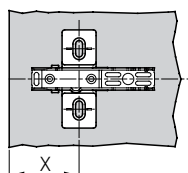
Mounting plate height 6



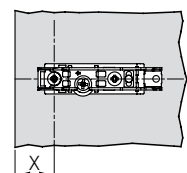
Mounting plate height 9

	Cup distance					
	3	4	5	6	7	
20.5					0	
19.5				0		
18.5			0		2	
17.5		0		2	3	
16.5	0					
16.0			2	3		
15.5						
15.0		2	3			
14.5						
14.0	2	3				
13.5						
13.0	3					
12.5				6		
11.5			6			
10.5		6				
Mounting plate height						

Door overlay



Cross mounting plates with mounting distance 37



Linear mounting plates

Mounting plate height					
	0	2	3	6	
X	34.0	33.0	32.0	30.5	
Cross mounting plate position (X)					

Mounting plate height					
	0	2	3		
X	17.0	16.0	15.0		
Linear mounting plate position (X)					

MINIMUM GAP

	Cup distance					
	3	4	5	6	7	
24.0	1.0	1.0	1.0	1.2	2.1	
22.0	1.0	1.0	1.0	1.0	1.5	
21.0	1.0	1.0	1.0	1.0	1.2	
20.0	1.0	1.0	1.0	1.0	1.0	
19.0	1.0	1.0	1.0	1.0	1.0	
18.0	1.0	1.0	1.0	1.0	1.0	
17.0	1.0	1.0	1.0	1.0	1.0	
16.0	1.0	1.0	1.0	1.0	1.0	
Minimum gap						

Door thickness

MINIMUM REVEAL

	Cup distance					
	3	4	5	6	7	
24.0	2.4	2.1	2.1	2.1	2.0	
22.0	1.6	1.6	1.6	1.5	1.5	
21.0	1.4	1.3	1.3	1.3	1.3	
20.0	1.1	1.1	1.1	1.1	1.1	
19.0	0.9	0.9	0.9	0.9	0.9	
18.0	0.7	0.7	0.7	0.7	0.7	
17.0	0.6	0.6	0.6	0.6	0.6	
16.0	0.6	0.6	0.6	0.6	0.6	
Minimum reveal (F)						

Door thickness

NOTES

The minimum gap is the clearance required between the cabinet face and the closed door so that the door can be opened without hindrance.

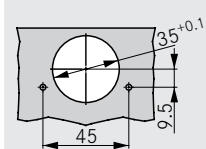
Minimum reveal for doors with chamfered edges (R = 1 mm) with factory setting.

Hinge dimensions and reveal calculation with factory setting.

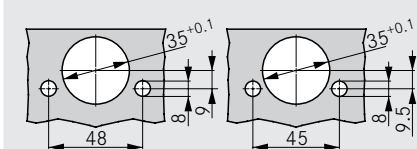
A trial fitting is recommended for door thicknesses from 24 mm.

DRILLING PATTERNS 45/9.5

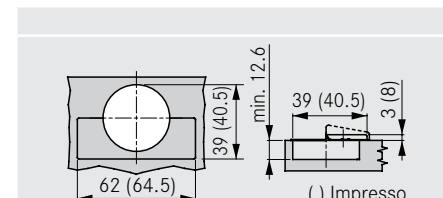
For screw fitting



Impresso combination drilling pattern



CUP DIMENSIONS



TIOMOS 110/30E

+30° corner cabinet hinge (inset)



- For 30° angled cabinets
- 110° opening angle
- With convenient depth adjustment via worm screw
- 3-dimensional adjustment with corresponding mounting plate
- Minimum reveals

Available in three versions:

- With integrated damper (3 adjustable damping levels)
- Without integrated damper
- Without self-closing mechanism (without spring)

ORDER INFORMATION FOR DRILLING PATTERN 45/9.5, NICKEL

Door overlay			Damper		Without spring	Art. No.		
			With	Without		Click-on for screw fitting	Click-on for press fitting	
Inset ¹			■	-	-	F028138530	F028138540	
			-	■	-	F045138468	F045138478	
			-	■	■	F046138590	F046138600	

¹ Cup material: steel, nickel-plated/Arm material: zamak, nickel-plated

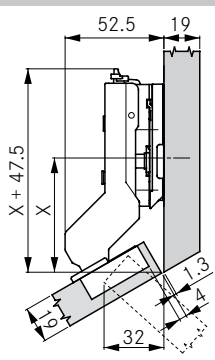
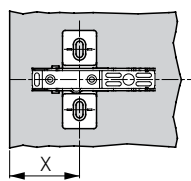
PAGE REFERENCES

Tiomos mounting plates	60
Accessories	70
Technical information	74

Tipmatic	88
Assembly technology	225
Assembly aids	230

PLANNING DIMENSIONS

All dimensions in millimetres

Inset						
						
Mounting plate height 9						
Door overlay	Cup distance					
	3	4	5	6	7	
	22	9.5			12	
	21	9				
	20				12	
	19	8	9	9.5		
	18		8	9		
	17			9.5		
	16			8	9.5	
	15	6			9	
Mounting plate height						
						
Cross mounting plates with mounting distance 37						
Door overlay	Cup distance					
	3	4	5	6	7	
	22	63.5			61.5	
	21	62.5				
	20		61.5			60.0
	19		61.0	60.0		
	18		59.0	59.0		
	17				58.0	
	16			57.5		56.5
	15	57.5				55.5
Cross mounting plate position (X)						

MINIMUM REVEAL

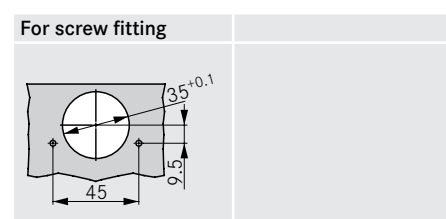
Door thickness	Cup distance					
	3	4	5	6	7	
	24.0	2.4	2.1	2.1	2.1	2.0
	22.0	1.6	1.6	1.6	1.5	1.5
	21.0	1.4	1.3	1.3	1.3	1.3
	20.0	1.1	1.1	1.1	1.1	1.1
	19.0	0.9	0.9	0.9	0.9	0.9
	18.0	0.7	0.7	0.7	0.7	0.7
	17.0	0.6	0.6	0.6	0.6	0.6
	16.0	0.6	0.6	0.6	0.6	0.6
	15.0	0.6	0.6	0.6	0.6	0.6
Minimum reveal (F)						

NOTES

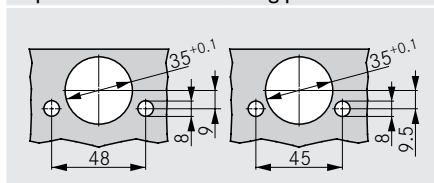
Minimum reveal for doors with chamfered edges (R = 1 mm) with factory setting.

A trial fitting is recommended for door thicknesses from 24 mm.

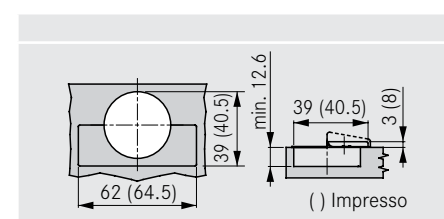
DRILLING PATTERNS 45/9.5



Impresso combination drilling pattern



CUP DIMENSIONS



TIOMOS 110/37A

+37° angle corner cabinet hinge (overlay)



- For 37° angled cabinets
- 110° opening angle
- With convenient depth adjustment via worm screw
- 3-dimensional adjustment with corresponding mounting plate
- Minimum reveals

Available in three versions:

- With integrated damper (3 adjustable damping levels)
- Without integrated damper
- Without self-closing mechanism (without spring)

ORDER INFORMATION FOR DRILLING PATTERN 45/9.5, NICKEL

Door overlay		Damper		Without spring	Art. No.		
		With	Without		Click-on for screw fitting	Click-on for press fitting	Impresso tool-free
Overlay ¹		■	-	-	F028138531	F028138541	-
		-	■	-	F045138469	F045138479	F034139308
		-	■	■	F046138591	F046138601	F035139365

¹ Cup material: steel, nickel-plated/Arm material: zamak, nickel-plated

PAGE REFERENCES

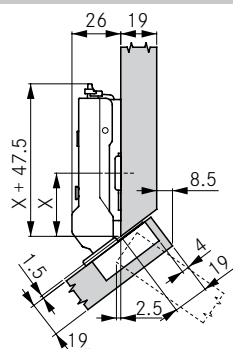
Tiomos mounting plates	60
Accessories	70
Technical information	74

Tipmatic	88
Assembly technology	225
Assembly aids	230

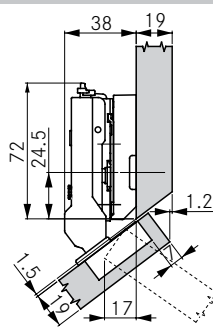
PLANNING DIMENSIONS

All dimensions in millimetres

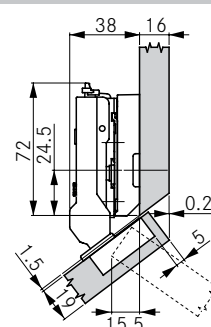
Overlay



Mounting plate height 0

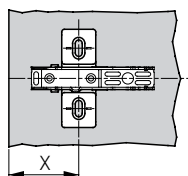


Mounting plate height 12



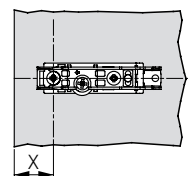
Mounting plate height 12

	Cup distance					
	3	4	5	6	7	
	21.5				0	
	21.0			0		
	20.0		0			
	19.0	0				
	18.5			2		
	18.0	0			3	
	17.5		2			
	17.0			3		
	16.5	2				
	16.0		3			
Door overlay	15.5	2				
	15.0		3			
	14.5				6	
	14.0	3				
	13.0			6		
	12.0		6			
	11.0	6				
	10.0	6				
Mounting plate height						



Cross mounting plates with mounting distance 37

Mounting plate height					
	0	2	3	6	
X	33.5	32.0	31.0	29.0	
Cross mounting plate position (X)					



Linear mounting plates

Mounting plate height					
	0	2	3		
X	16.5	15.0	14.0		
Linear mounting plate position (X)					

MINIMUM GAP

	Cup distance					
	3	4	5	6	7	
	24.0	1.0	1.0	1.0	1.2	2.1
	22.0	1.0	1.0	1.0	1.0	1.5
	21.0	1.0	1.0	1.0	1.0	1.2
	20.0	1.0	1.0	1.0	1.0	1.0
	19.0	1.0	1.0	1.0	1.0	1.0
	18.0	1.0	1.0	1.0	1.0	1.0
	17.0	1.0	1.0	1.0	1.0	1.0
	16.0	1.0	1.0	1.0	1.0	1.0
	Minimum gap					

MINIMUM REVEAL

	Cup distance					
	3	4	5	6	7	
	24.0	2.4	2.1	2.1	2.1	2.0
	22.0	1.6	1.6	1.6	1.5	1.5
	21.0	1.4	1.3	1.3	1.3	1.3
	20.0	1.1	1.1	1.1	1.1	1.1
	19.0	0.9	0.9	0.9	0.9	0.9
	18.0	0.7	0.7	0.7	0.7	0.7
	17.0	0.6	0.6	0.6	0.6	0.6
	16.0	0.6	0.6	0.6	0.6	0.6
	Minimum reveal (F)					

NOTES

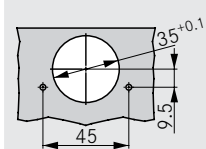
The minimum gap is the clearance required between the cabinet face and the closed door so that the door can be opened without hindrance.

Minimum reveal for doors with chamfered edges (R = 1 mm) with factory setting.

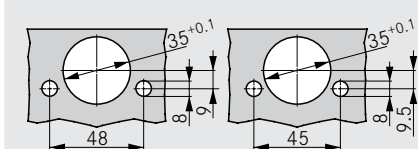
A trial fitting is recommended for door thicknesses from 24 mm.

DRILLING PATTERNS 45/9.5

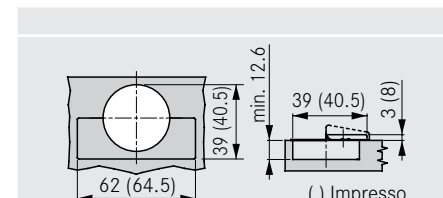
For screw fitting



Impresso combination drilling pattern

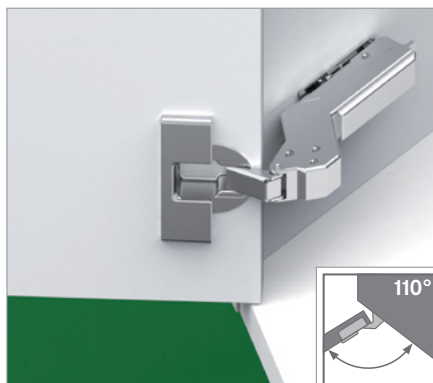


CUP DIMENSIONS



TIOMOS 110/37E

+37° corner cabinet hinge (inset)



- For 37° angled cabinets
- 110° opening angle
- With convenient depth adjustment via worm screw
- 3-dimensional adjustment with corresponding mounting plate
- Minimum reveals

Available in three versions:

- With integrated damper (3 adjustable damping levels)
- Without integrated damper
- Without self-closing mechanism (without spring)

ORDER INFORMATION FOR DRILLING PATTERN 45/9.5, NICKEL

Door overlay		Damper		Without spring	Art. No.		
		With	Without		Click-on for screw fitting	Click-on for press fitting	Impresso tool-free
Inset ¹		■	-	-	F028138532	F028138542	-
		-	■	-	-	F045138480	F034139309
		-	■	■	F046138592	F046138602	F035139366

¹ Cup material: steel, nickel-plated/Arm material: zamak, nickel-plated

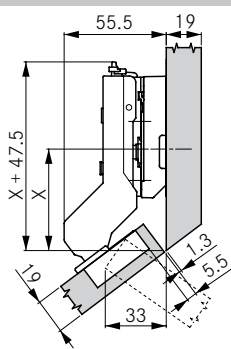
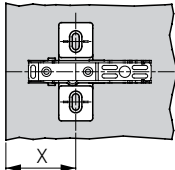
PAGE REFERENCES

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Accessories	70
Technical information	74

Tipmatic	88
Assembly technology	225
Assembly aids	230

PLANNING DIMENSIONS

All dimensions in millimetres

Inset						
						
Mounting plate height 12						
Door overlay	Cup distance					
	3	4	5	6	7	
	22	12		14		15
	21		12		14	
	20			12		14
	19				12	
	18	9				
	17		9.5			12
	16	8	9	9.5		
	15		8	9		
Mounting plate height						
						
Cross mounting plates with mounting distance 37						
Door overlay	Cup distance					
	3	4	5	6	7	
	22	59.0		57.5		56.5
	21		57.5		56.5	
	20			56.5		55.0
	19				55.0	
	18	56.0				
	17		54.5			53.0
	16	54.5	54.0	53.0		
	15		53.0	52.5		
Cross mounting plate position (X)						

MINIMUM REVEAL

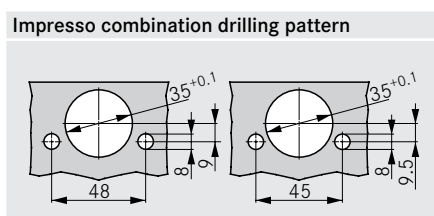
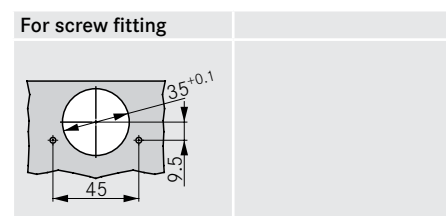
Door thickness	Cup distance					
	3	4	5	6	7	
	24.0	2.4	2.1	2.1	2.1	2.0
	22.0	1.6	1.6	1.6	1.5	1.5
	21.0	1.4	1.3	1.3	1.3	1.3
	20.0	1.1	1.1	1.1	1.1	1.1
	19.0	0.9	0.9	0.9	0.9	0.9
	18.0	0.7	0.7	0.7	0.7	0.7
	17.0	0.6	0.6	0.6	0.6	0.6
	16.0	0.6	0.6	0.6	0.6	0.6
	15.0	0.6	0.6	0.6	0.6	0.6
Minimum reveal (F)						

NOTES

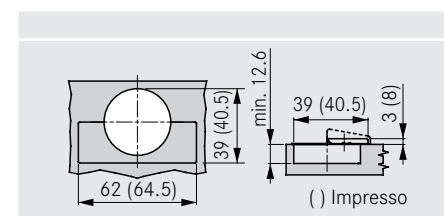
Minimum reveal for doors with chamfered edges (R = 1 mm) with factory setting.

A trial fitting is recommended for door thicknesses from 24 mm.

DRILLING PATTERNS 45/9.5



CUP DIMENSIONS



TIOMOS 110/45A

+45° angle corner cabinet hinge (overlay)



- For 45° angled cabinets
- 110° opening angle
- With convenient depth adjustment via worm screw
- 3-dimensional adjustment with corresponding mounting plate
- Minimum reveals
- Surfaces: Nickel or Night (especially for dark cabinet materials and woods)

Available in three versions:

- With integrated damper (3 adjustable damping levels)
- Without integrated damper
- Without self-closing mechanism (without spring)

ORDER INFORMATION FOR DRILLING PATTERN 45/9.5, NICKEL

Door overlay			Damper		Without spring	Art. No.		
			With	Without		Click-on for screw fitting	Click-on for press fitting	Impresso tool-free
Overlay ¹			■	-	-	F028138533	F028138543	F017139339
			-	■	-	F045138471	-	F034139310
			-	■	■	F046138593	-	F035139367

¹ Cup material: steel, nickel-plated/Arm material: zamak, nickel-plated

ORDER INFORMATION FOR DRILLING PATTERN 45/9.5, NIGHT

Door overlay			Damper		Without spring	Art. No.		
			With	Without		Click-on for screw fitting		
Overlay ¹			■	-	-	F028140962		

¹ Cup material: steel, Night/Arm material: zamak, Night

PAGE REFERENCES

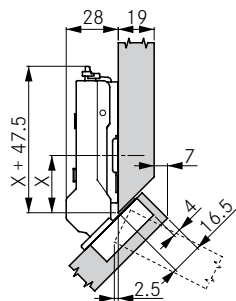
Tiomos mounting plates	60
Accessories	70
Technical information	74

Tipmatic	88
Assembly technology	225
Assembly aids	230

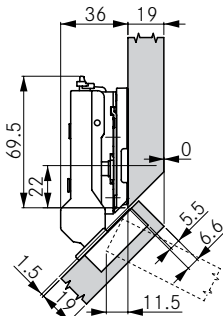
PLANNING DIMENSIONS

All dimensions in millimetres

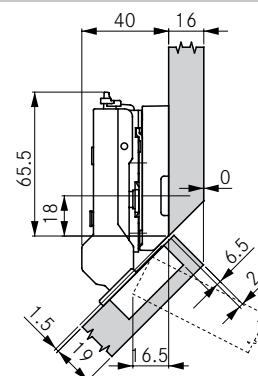
Overlay



Mounting plate height 0

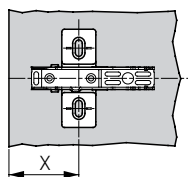


Mounting plate height 8



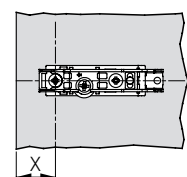
Mounting plate height 12

	Cup distance					
	3	4	5	6	7	
	19.5				0	
	19.0					
	18.5			0		
	18.0					
	17.5		0			
	17.0					
	16.5	0			2	
	16.0					
Door overlay	15.5			2		
	15.0	0			3	
	14.5		2			
	14.0			3		
	13.5	2				
	13.0		3			
	12.5	2				
	12.0		3			
	11.0	3			6	
	10.0			6		
Mounting plate height						



Cross mounting plates with mounting distance 37

Mounting plate height					
	0	2	3	6	
X	30.5	28.5	27.5	24.5	
Cross mounting plate position (X)					



Linear mounting plates

Mounting plate height					
	0	2	3		
X	13.5	11.5	10.5		
Linear mounting plate position (X)					

MINIMUM GAP

	Cup distance					
	3	4	5	6	7	
	24.0	1.0	1.0	1.0	1.2	2.1
	22.0	1.0	1.0	1.0	1.0	1.5
	21.0	1.0	1.0	1.0	1.0	1.2
	20.0	1.0	1.0	1.0	1.0	1.0
	19.0	1.0	1.0	1.0	1.0	1.0
	18.0	1.0	1.0	1.0	1.0	1.0
	17.0	1.0	1.0	1.0	1.0	1.0
	16.0	1.0	1.0	1.0	1.0	1.0
Minimum gap						

MINIMUM REVEAL

	Cup distance					
	3	4	5	6	7	
	24.0	2.4	2.1	2.1	2.1	2.0
	22.0	1.6	1.6	1.6	1.5	1.5
	21.0	1.4	1.3	1.3	1.3	1.3
	20.0	1.1	1.1	1.1	1.1	1.1
	19.0	0.9	0.9	0.9	0.9	0.9
	18.0	0.7	0.7	0.7	0.7	0.7
	17.0	0.6	0.6	0.6	0.6	0.6
	16.0	0.6	0.6	0.6	0.6	0.6
Minimum reveal (F)						

NOTES

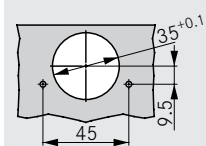
The minimum gap is the clearance required between the cabinet face and the closed door so that the door can be opened without hindrance.

Minimum reveal for doors with chamfered edges (R = 1 mm) with factory setting.

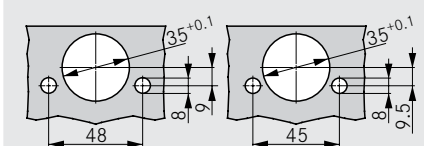
A trial fitting is recommended for door thicknesses from 24 mm.

DRILLING PATTERNS 45/9.5

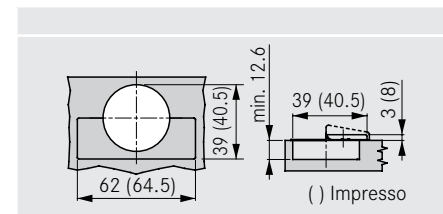
For screw fitting



Impresso combination drilling pattern



CUP DIMENSIONS



TIOMOS 110/45E

+45° corner cabinet hinge (inset)



- For 45° angled cabinets
- 110° opening angle
- With convenient depth adjustment via worm screw
- 3-dimensional adjustment with corresponding mounting plate
- Minimum reveals
- Surfaces: Nickel or Night (especially for dark cabinet materials and woods)

Available in three versions:

- With integrated damper (3 adjustable damping levels)
- Without integrated damper
- Without self-closing mechanism (without spring)

ORDER INFORMATION FOR DRILLING PATTERN 45/9.5, NICKEL

Door overlay		Damper		Without spring	Art. No.		
		With	Without		Click-on for screw fitting	Click-on for press fitting	Impresso tool-free
Inset ¹		■	-	-	F028138534	F028138544	F017139340
		-	■	-	F045138472	F045138482	-
		-	■	■	-	F046138604	F035139368

¹ Cup material: steel, nickel-plated/Arm material: zamak, nickel-plated

ORDER INFORMATION FOR DRILLING PATTERN 45/9.5, NIGHT

Door overlay		Damper		Without spring	Art. No.		
		With	Without		Click-on for screw fitting		
Overlay ¹		■	-	-	F028140418		

¹ Cup material: steel, Night/Arm material: zamak, Night

PAGE REFERENCES

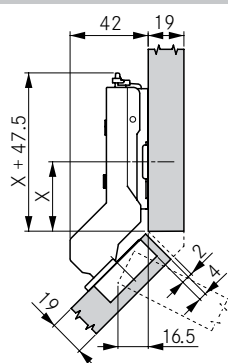
Tiomos mounting plates	60
Accessories	70
Technical information	74

Tipmatic	88
Assembly technology	225
Assembly aids	230

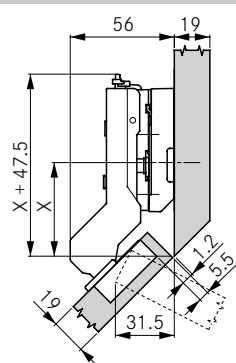
PLANNING DIMENSIONS

All dimensions in millimetres

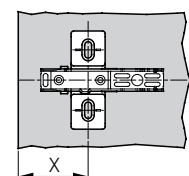
Inset



Mounting plate height 0



Mounting plate height 14



Cross mounting plates with mounting distance 37

Door reveal	Cup distance					
	3	4	5	6	7	
	1		0			
	2	0			2	
	3	0		2	3	
	4		2	3		
	5		2	3		
	6	2	3			
7	3					
Mounting plate height						

Mounting plate height						
0	2	3				
37	35	34				
Cross mounting plate position (X)						

Door overlay	Cup distance					
	3	4	5	6	7	
	22	15.5				
	21	14	15			
	20		14	15	15.5	
	19	12		15	15	
	18		12		14	
	17		12			
	16			12		
	15	9			12	
Mounting plate height						

		Cup distance					
		3	4	5	6	7	
Door overlay	22		53.0				
	21	53.0		51.5			
	20			51.0	50.5	50.0	
	19	52.0			50.0	49.0	
	18		50.5			48.5	
	17			49.0			
	16				47.5		
	15	49.0				46.0	
		Cross mounting plate position (X)					

MINIMUM REVEAL

Door thickness		Cup distance					
		3	4	5	6	7	
	24.0	2.4	2.1	2.1	2.1	2.0	
	22.0	1.6	1.6	1.6	1.5	1.5	
	21.0	1.4	1.3	1.3	1.3	1.3	
	20.0	1.1	1.1	1.1	1.1	1.1	
	19.0	0.9	0.9	0.9	0.9	0.9	
	18.0	0.7	0.7	0.7	0.7	0.7	
	17.0	0.6	0.6	0.6	0.6	0.6	
	16.0	0.6	0.6	0.6	0.6	0.6	
		Minimum reveal (F)					

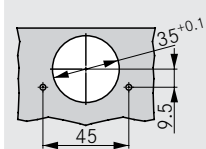
NOTES

Minimum reveal for doors with chamfered edges (R = 1 mm) with factory setting.

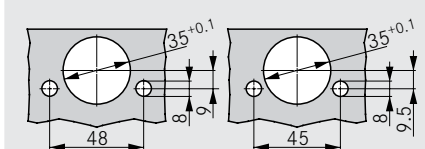
A trial fitting is recommended for door thicknesses from 24 mm.

DRILLING PATTERNS 45/9.5

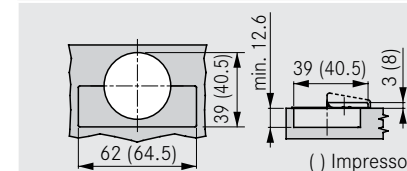
For screw fitting



Impresso combination drilling pattern

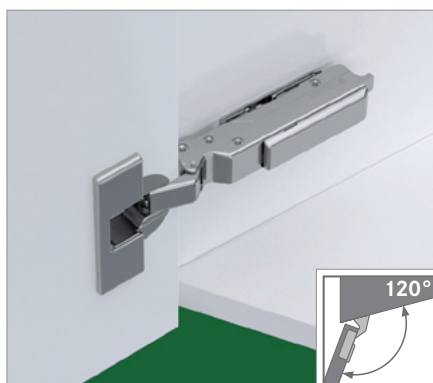


CUP DIMENSIONS



TIOMOS 120/-15A

-15° angle corner cabinet hinge (overlay)



- For -15° angled cabinets
- 120° opening angle
- With convenient depth adjustment via worm screw
- 3-dimensional adjustment with corresponding mounting plate
- Minimum reveals

Available in two versions:

- With integrated damper (3 adjustable damping levels)
- Without integrated damper

ORDER INFORMATION FOR DRILLING PATTERN 45/9.5, NICKEL

Door overlay		Damper		Without spring	Art. No.		
		With	Without		Click-on for screw fitting	Click-on for press fitting	Impresso tool-free
Overlay ¹		■	-	-	F028138555	-	F017139347
		-	■	-	F045138493	F045138496	F034139318

¹ Cup material: steel, nickel-plated/Arm material: zamak, nickel-plated

PAGE REFERENCES

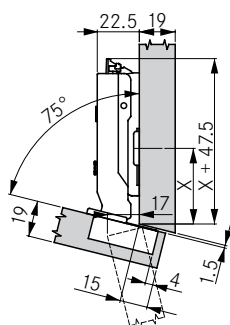
Tiomos mounting plates	60
Accessories	70
Technical information	74

Assembly technology	225
Assembly aids	230

PLANNING DIMENSIONS

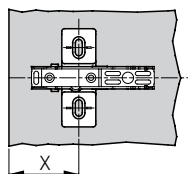
All dimensions in millimetres

Overlay

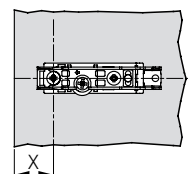


Mounting plate height 0

Door overlay	Cup distance				
	3	4	5	6	7
	18.0				0
	17.0			0	
	16.0		0		
	15.0	0			
	14.5			2	3
	14.0	0			
	13.5		2	3	
	13.0				
	12.5	2	3		
	12.0				
Door overlay	11.5	3			6
	11.0				
	10.5	3		6	
	10.0				
	9.5		6		
	8.5		6		
Mounting plate height					



Cross mounting plates with mounting distance 37



Linear mounting plates

Mounting plate height				
	0	2	3	6
X	40	40.5	40.5	41.5
Cross mounting plate position (X)				

Mounting plate height				
	0	2	3	
X	23	23.5	23.5	
Linear mounting plate position (X)				

MINIMUM REVEAL

Door thickness		Cup distance				
		3	4	5	6	7
	24.0	6.4	5.4	4.4	3.4	2.4
	22.0	3.0	2.0	1.5	1.5	1.5
	21.0	1.4	1.3	1.3	1.3	1.3
	20.0	1.1	1.1	1.1	1.1	1.1
	19.0	0.9	0.9	0.9	0.9	0.9
	18.0	0.7	0.7	0.7	0.7	0.7
	17.0	1.0	1.0	1.0	1.0	1.5
	16.0	1.0	1.0	1.0	1.0	1.0
Minimum reveal (F)						

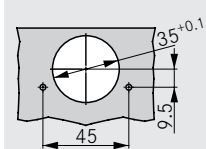
NOTES

Minimum reveal for doors with chamfered edges (R = 1 mm) with factory setting.

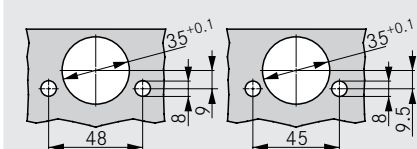
We recommend a trial fitting.

DRILLING PATTERNS 45/9.5

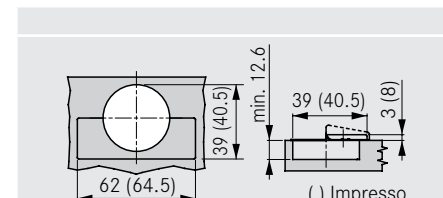
For screw fitting



Impresso combination drilling pattern



CUP DIMENSIONS



TIOMOS 120/-30A

-30° angle corner cabinet hinge (overlay)



- For -30° angled cabinets
- 120° opening angle
- With convenient depth adjustment via worm screw
- 3-dimensional adjustment with corresponding mounting plate
- Minimum reveals

Available in two versions:

- With integrated damper (3 adjustable damping levels)
- Without integrated damper

ORDER INFORMATION FOR DRILLING PATTERN 45/9.5, NICKEL

Door overlay		Damper		Without spring	Art. No.		
		With	Without		Click-on for screw fitting	Click-on for pressfitting	Impresso tool-free
Overlay ¹		■	-	-	F028138556	F028138559	F017139348
		-	■	-	F045138494	F045138497	F034139319

¹ Cup material: steel, nickel-plated/Arm material: zamak, nickel-plated

PAGE REFERENCES

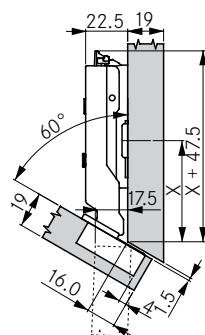
Tiomos mounting plates	60
Accessories	70
Technical information	74

Assembly technology	225
Assembly aids	230

PLANNING DIMENSIONS

All dimensions in millimetres

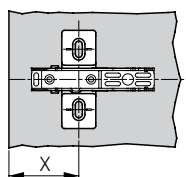
Overlay



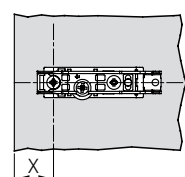
Mounting plate height 0

	Cup distance				
	3	4	5	6	7
19.0					0
18.0				0	
17.0			0		
16.5					2
16.0		0			
15.5				2	
15.0	0				3
14.5			2		
14.0				3	
13.5		2			
13.0			3		
12.5	2				
12.0		3			6
11.5					
11.0	3			6	
10.5					
10.0			6		
9.0		6			
8.0	6				
Mounting plate height					

Door overlay



Cross mounting plates with mounting distance 37



Linear mounting plates

Mounting plate height					
	0	2	3	6	
X	53.5	55	55.5	57	
Cross mounting plate position (X)					

Mounting plate height					
	0	2	3		
X	36.5	38	38.5		
Linear mounting plate position (X)					

MINIMUM REVEAL

	Cup distance				
	3	4	5	6	7
24.0	6.4	5.4	4.4	3.4	2.4
22.0	3.0	2.0	1.5	1.5	1.5
21.0	1.4	1.3	1.3	1.3	1.3
20.0	1.1	1.1	1.1	1.1	1.1
19.0	0.9	0.9	0.9	0.9	0.9
18.0	0.7	0.7	0.7	0.7	0.7
17.0	1.0	1.0	1.0	1.0	1.5
16.0	1.0	1.0	1.0	1.0	1.0
Minimum reveal (F)					

Door thickness

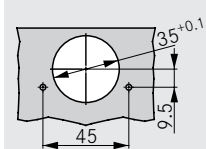
NOTES

Minimum reveal for doors with chamfered edges (R = 1 mm) with factory setting.

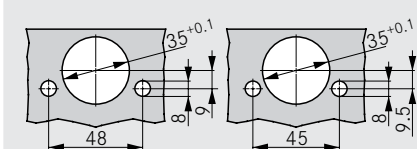
We recommend a trial fitting.

DRILLING PATTERNS 45/9.5

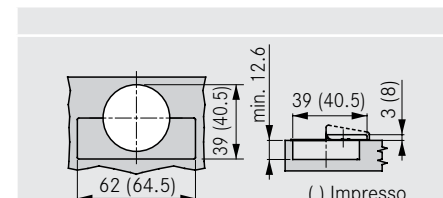
For screw fitting



Impresso combination drilling pattern

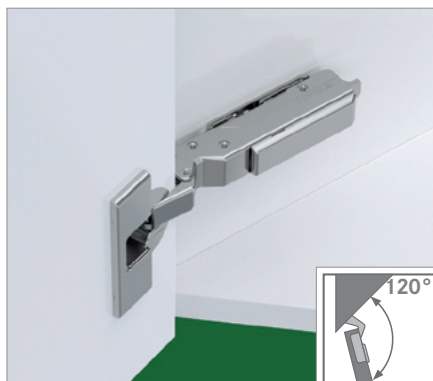


CUP DIMENSIONS



TIOMOS 120/-45A

-45° corner cabinet hinge (overlay)



- For -45° angled cabinets
- 120° opening angle
- With convenient depth adjustment via worm screw
- 3-dimensional adjustment with corresponding mounting plate
- Minimum reveals

Available in two versions:

- With integrated damper (3 adjustable damping levels)
- Without integrated damper

ORDER INFORMATION FOR DRILLING PATTERN 45/9.5, NICKEL

Door overlay		Damper		Without spring	Art. No.		
		With	Without		Click-on for screw fitting	Click-on for press fitting	
Overlay ¹		■	-	-	F028138557	F028138560	
		-	■	-	F045138495	F045138498	

¹ Cup material: steel, nickel-plated/Arm material: zamak, nickel-plated

PAGE REFERENCES

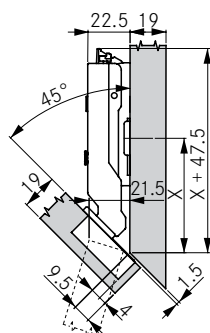
Tiomos mounting plates	60
Accessories	70
Technical information	74

Assembly technology	225
Assembly aids	230

PLANNING DIMENSIONS

All dimensions in millimetres

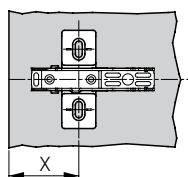
Overlay



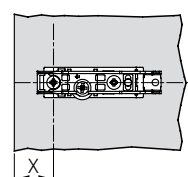
Mounting plate height 0

	Cup distance				
	3	4	5	6	7
12.0					0
11.5				0	
10.5			0		
9.5		0			2
8.5	0			2	
8.0					3
7.5			2		
7.0				3	
6.5		2			
6.0			3		
5.5	2				
5.0		3			
4.5					
4.0	3				6
3.5					
3.0				6	
2.0			6		
1.0		6			
0.0	6				
Mounting plate height					

Door overlay



Cross mounting plates with mounting distance 37



Linear mounting plates

Mounting plate height					
	0	2	3	6	
X	60.5	62.5	63.5	66.5	
Cross mounting plate position (X)					

Mounting plate height					
	0	2	3		
X	43.5	45.5	46.5		
Linear mounting plate position (X)					

MINIMUM REVEAL

	Cup distance				
	3	4	5	6	7
24.0	6.4	5.4	4.4	3.4	2.4
22.0	3.0	2.0	1.5	1.5	1.5
21.0	1.4	1.3	1.3	1.3	1.3
20.0	1.1	1.1	1.1	1.1	1.1
19.0	0.9	0.9	0.9	0.9	0.9
18.0	0.7	0.7	0.7	0.7	0.7
17.0	1.0	1.0	1.0	1.0	1.5
16.0	1.0	1.0	1.0	1.0	1.0
Minimum reveal (F)					

Door thickness

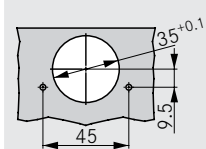
NOTES

Minimum reveal for doors with chamfered edges (R = 1 mm) with factory setting.

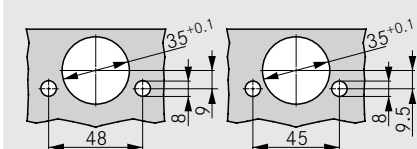
We recommend a trial fitting.

DRILLING PATTERNS 45/9.5

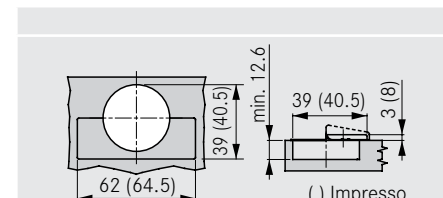
For screw fitting



Impresso combination drilling pattern

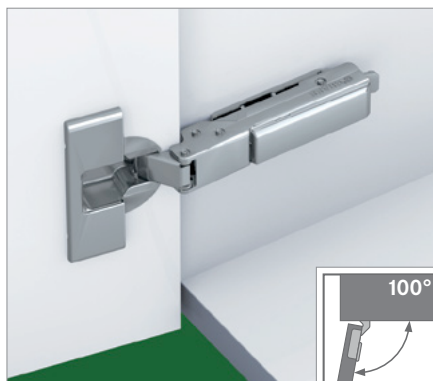


CUP DIMENSIONS



TIOMOS 100

100° refrigerator hinge



- Hinge for fridge doors (sliding system)
- 100° opening angle
- Flat hinge arm
- With self-closing mechanism (with spring)
- 3-dimensional adjustment with corresponding mounting plate

Available in one version:

- Without integrated damper

ORDER INFORMATION FOR DRILLING PATTERN 45/9.5, NICKEL

Door overlay		Cranking	Damper		Without spring	Art. No.		
			With	Without		Click-on for screw fitting	Click-on for press fitting	
Overlay ¹		3	-	■	-	F045139071	F045139052	

¹ Cup material: steel, nickel-plated/Arm material: zamak, nickel-plated

PAGE REFERENCES

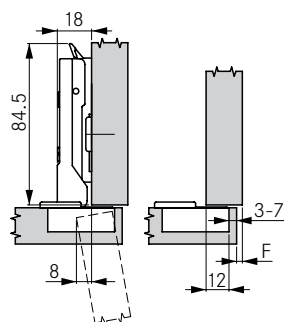
Tiomos mounting plates	60
Accessories	70
Technical information	74

Assembly technology	225
Assembly aids	230

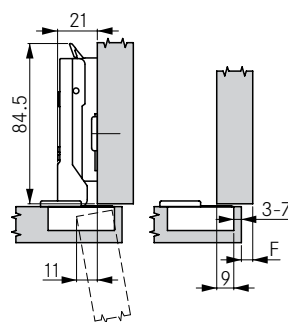
PLANNING DIMENSIONS

All dimensions in millimetres

Overlay



Mounting plate height 0



Mounting plate height 3

	Cup distance					
	3	4	5	6	7	
21.0					-2	
20.0				-2		
19.0			-2			
18.0		-2		0		
17.0			0			
16.5	-2					
16.0		0		2	3	
15.5						
15.0	0		2	3		
14.5						
14.0		2	3			
13.5						
13.0	2	3				
12.5						
12.0	3					

Door overlay

Mounting plate height

MINIMUM GAP

	Cup distance					
	3	4	5	6	7	
26.0	1.0	1.0	1.0	1.2	2.2	
24.0	1.0	1.0	1.0	1.0	1.8	
22.0	1.0	1.0	1.0	1.0	1.1	
20.0	1.0	1.0	1.0	1.0	1.0	
18.0	1.0	1.0	1.0	1.0	1.0	
16.0	1.0	1.0	1.0	1.0	1.0	

Door thickness

Minimum gap

MINIMUM REVEAL

	Cup distance					
	3	4	5	6	7	
26.0	7.2	6.2	5.2	4.2	3.5	
24.0	4.8	3.8	2.8	2.3	2.2	
22.0	1.9	1.6	1.5	1.4	1.3	
20.0	0.9	0.9	0.9	0.8	0.8	
18.0	0.4	0.4	0.4	0.5	0.5	
16.0	0.3	0.3	0.3	0.3	0.3	

Door thickness

Minimum reveal (F)

NOTES

The minimum gap is the clearance required between the cabinet face and the closed door so that the door can be opened without hindrance.

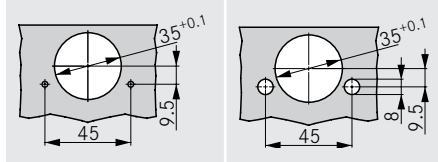
Minimum reveal for doors with chamfered edges (R = 1 mm) with factory setting.

Hinge dimensions and reveal calculation with factory setting.

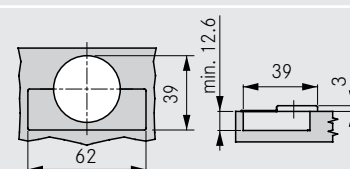
A trial fitting is recommended for door thicknesses from 24 mm.

DRILLING PATTERNS 45/9.5

For screw fitting

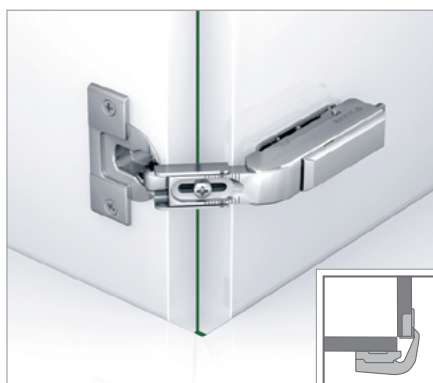


CUP DIMENSIONS



TIOMOS PCC

Pie-cut corner hinge



- For connecting two corner cabinet doors
- For door thicknesses up to 24 mm (factory setting for 19 mm door thickness with cup distance 3.5 mm)
- 35 mm full cup drill hole
- Shallow cup depth of 11.8 mm
- 3-dimensional adjustment with corresponding mounting plate
- Without integrated damper

Available in one version:

- Without integrated damper

ORDER INFORMATION FOR DRILLING PATTERN 45/9.5, NICKEL

Door overlay			Damper		Without spring	Art. No.		
			With	Without		Click-on for screw fitting	Click-on for press fitting	
1			-	■	-	F045138517	F045138518	

¹ Cup material: steel, nickel-plated/Arm material: zamak, nickel-plated

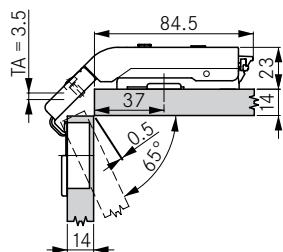
PAGE REFERENCES

Tiomos mounting plates	60
Accessories	70
Technical information	74

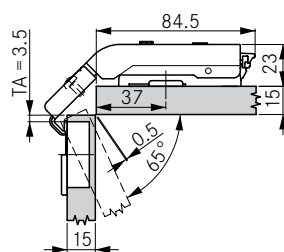
Assembly technology	225
Assembly aids	230

PLANNING DIMENSIONS

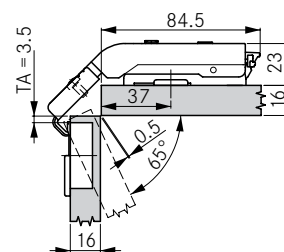
All dimensions in millimetres



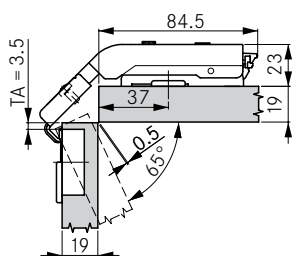
Door thickness (TS) 14 mm
Cup distance (TA) 3.5 mm
Mounting plate height 0



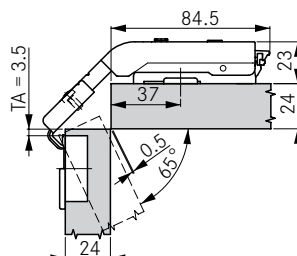
Door thickness (TS) 15 mm
Cup distance (TA) 3.5 mm
Mounting plate height 0



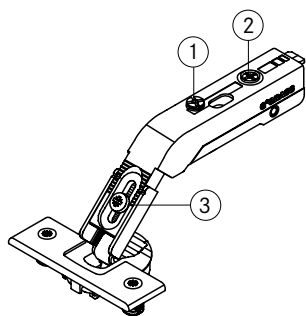
Door thickness (TS) 16 mm
Cup distance (TA) 3.5 mm
Mounting plate height 0



Door thickness (TS) 19 mm (factory setting)
Cup distance (TA) 3.5 mm
Mounting plate height 0



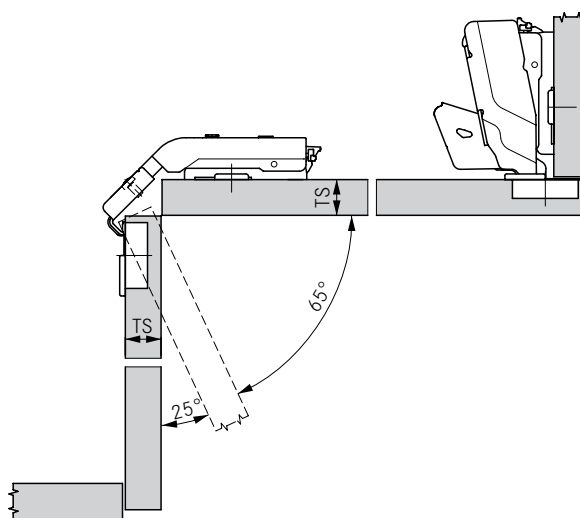
Door thickness (TS) 24 mm
Cup distance (TA) 3.5 mm
Mounting plate height 0



Adjustment in the hinge arm:

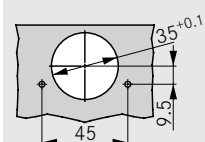
1. Stepless side adjustment ± 2 mm
2. Stepless depth adjustment via worm screw $+3/-2$ mm
3. Door thickness 14–24 mm (factory setting 19 mm)

Height adjustment via mounting plate

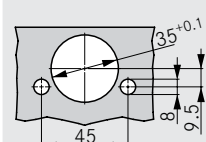


DRILLING PATTERNS 45/9.5

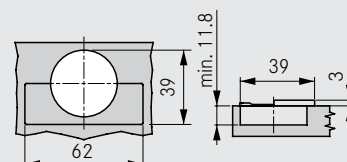
For screw fitting



For press fitting



CUP DIMENSIONS



**Strong support for
glass and thin doors.**

tiomos m series.



With the Tiomos M series, GRASS offers perfect movement for thin doors from 6 mm, glass and mirror doors as well as rebated doors or doors with mitred application. Each available with or without Soft-close damping.



reddot design award
honourable mention 2010

**THREE VERSATILE
HINGES FOR
EVEN THE MOST
DEMANDING DOOR
APPLICATIONS.**

DISCOVER.



Tiomos M series

Hinge systems

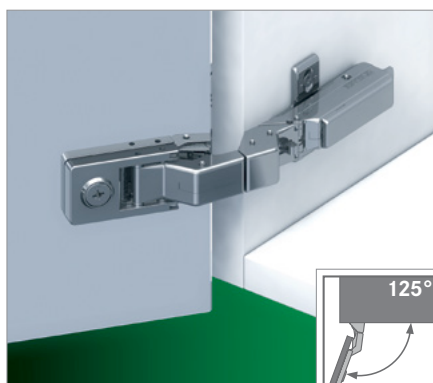
The comfortable hinge generation for greater freedom in design.
For mirrored doors, glass doors, thin doors and much more.

Opening angle		Product description	Full overlay	Overlay	Half overlay	Inset	Page
125°		Tiomos Mirro • Glass and mirror door hinge for glue fitting • Convenient depth adjustment via worm screw • Surfaces: Nickel or Night		–			48
110°		Tiomos M9 • For four-sided mitred applications, thin doors and rebated doors • Convenient depth adjustment via worm screw • Surfaces: Nickel or Night		–			54
125°		Tiomos M0 • Simple screwing without cup hole • For door thicknesses of 6–10 mm		–			58

Tiomos mounting plates	60
Accessories	70
Technical information	74
Tipmatic Pin for handle-free opening	88
Assembly technology	225
Assembly aids	230

TIOMOS MIRRO

125° mirror hinge



- 125° opening angle
- Attachment by gluing a stainless steel adapter onto the door side
- Connection of hinge to adapter via cam
- Quick final assembly without drilling into glass
- 3-dimensional adjustment with corresponding mounting plate
- High overlay up to 19 mm
- Surfaces: Nickel or Night (especially for dark cabinet materials and woods)

Available in three versions:

- With integrated damper (3 adjustable damping levels)
- Without integrated damper
- Without self-closing mechanism (without spring)

ORDER INFORMATION, NICKEL

Door overlay	Cranking	Damper		Without spring	Art. No.		
		With	Without		Click-on for screw fitting		
	14	■	-	-	F029 140325		
		-	■	-	F047 140326		
		-	■	■	F049 140327		

Cup material: zamak, nickel-plated/Arm material: zamak, nickel-plated

ORDER INFORMATION, NIGHT

Door overlay	Cranking	Damper		Without spring	Art. No.		
		With	Without		Click-on for screw fitting		
	14	■	-	-	F029 140468		
		-	■	■	F049 140470		

Cup material: zamak, Night/Arm material: zamak, Night

REQUIRED ACCESSORIES

	Designation	Art. No.
	Stainless steel Tiomos Mirro adapter for mirrors	F069073731

PAGE REFERENCES

Tiomos mounting plates	60
Accessories	70
Technical information	74

Tipmatic	88
Assembly technology	225
Assembly aids	230

PLANNING DIMENSIONS

All dimensions in millimetres

Overlay	Half overlay	Inset
Mounting plate height 0	Mounting plate height 0	Mounting plate height 0

MINIMUM GAP/MINIMUM REVEAL

Values with mounting plate height 0

Gluing distance (Z)	4	5	13	15	17	19	21	22	24	26
Door protrusion (TES)	0	0	0	0	0	0	0	0.5	1.5	3
Door overlay (A)	-3	-2	6	8	10	12	14	15	17	19
Min. reveal (F)/Gap (S)	F S	F S	F S	F S	F S	F S	F S	F S	F S	F S
Door thickness 3-8 (TS)	2	2	2	2	2	2	2	2	2	2

ECO CROSS MOUNTING PLATE

STAINLESS STEEL ADAPTER

<table> <tr> <th>Hole spacing</th><th>Mounting plate height 0</th></tr> <tr> <td>28</td><td>37</td></tr> <tr> <td>37</td><td>46</td></tr> <tr> <td></td><th>Mounting plate position (X)</th></tr> </table>	Hole spacing	Mounting plate height 0	28	37	37	46		Mounting plate position (X)	<table> <tr> <th></th><th>Mounting plate height 0</th></tr> <tr> <td>Z</td><td>A+7</td></tr> <tr> <td>A</td><td>Max. 19</td></tr> <tr> <td></td><th>Gluing distance (Z)</th></tr> </table>		Mounting plate height 0	Z	A+7	A	Max. 19		Gluing distance (Z)
Hole spacing	Mounting plate height 0																
28	37																
37	46																
	Mounting plate position (X)																
	Mounting plate height 0																
Z	A+7																
A	Max. 19																
	Gluing distance (Z)																

NUMBER OF HINGES

SA	2	3	4	5
2450 mm				
2200 mm				
1600 mm				
900 mm				
	4-6 kg	7-12 kg	13-17 kg	18-22 kg

NOTES

An inset application is achieved by altering the fixing distance of the mounting plate (X) and reducing the gluing distance (Z).

① **Important:** For mirror or glass doors, all reveals must be at least 1.5 mm (otherwise there is a risk of breakage).

The inside edge of the door must not touch the cabinet when opened.

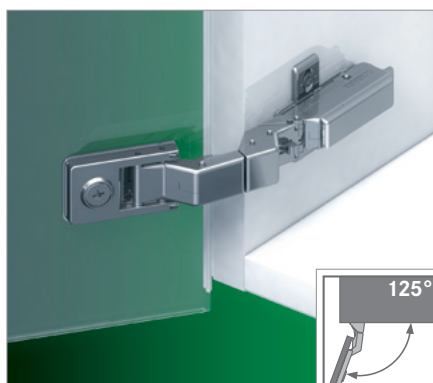
① **Installation advice:** Please contact your glass or door supplier regarding the selection and application of the adhesive for fixing the hinge seat to mirror or glass doors.

① **Liability claims:** Please note that GRASS does not assume any liability for the adhesive and the gluing technique used, nor for any resulting claims.

① **Important:** Mirro hinges must not be used with cam mounting plates.

TIOMOS MIRRO

125° mirror/clear glass hinge



- 125° opening angle
- Attachment by gluing a zamak adapter onto the door side
- Connection of hinge to adapter via cam
- Quick final assembly without drilling into glass
- 3-dimensional adjustment with corresponding mounting plate
- High overlay up to 19 mm
- Surfaces: Nickel or Night (especially for dark cabinet materials and woods)

Available in three versions:

- With integrated damper (3 adjustable damping levels)
- Without integrated damper
- Without self-closing mechanism (without spring)

ORDER INFORMATION, NICKEL

Door overlay	Cranking	Damper		Without spring	Art. No.		
		With	Without		Click-on for screw fitting		
	14	■	-	-	F029 140325		
		-	■	-	F047 140326		
		-	■	■	F049 140327		

Cup material: zamak, nickel-plated/Arm material: zamak, nickel-plated

ORDER INFORMATION, NIGHT

Door overlay	Cranking	Damper		Without spring	Art. No.		
		With	Without		Click-on for screw fitting		
	14	■	-	-	F029 140468		
		-	■	■	F049 140470		

Cup material: zamak, Night/Arm material: zamak, Night

REQUIRED ACCESSORIES

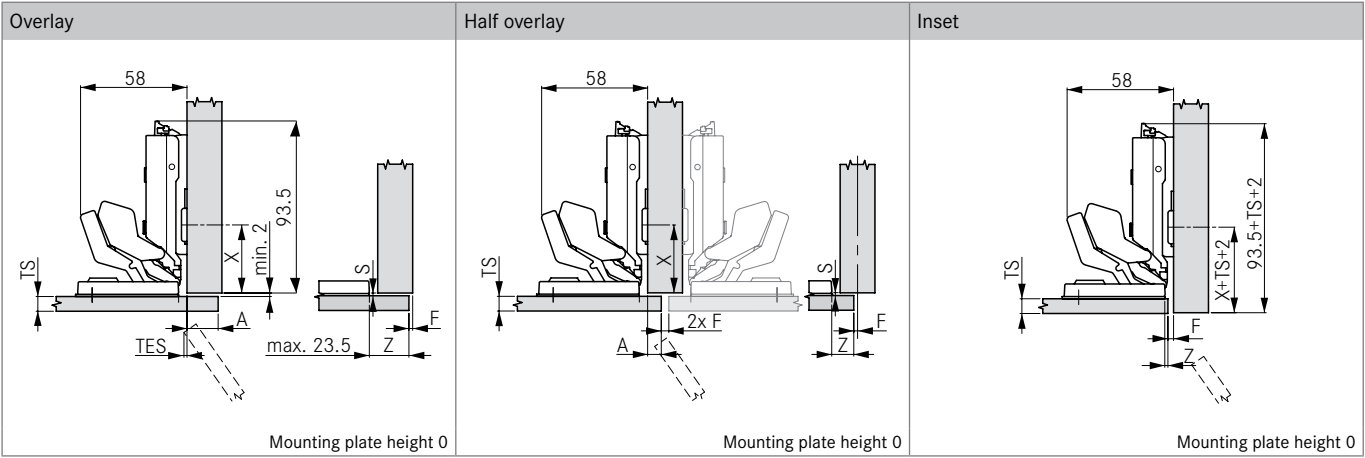
	Designation	Art. No.
	Zamak Tiomos Mirro adapter for mirror and clear glass	F072 135868

PAGE REFERENCES

Tiomos mounting plates	60	Tipmatic	88		
Accessories	70	Assembly technology	225		
Technical information	74	Assembly aids	230		

PLANNING DIMENSIONS

All dimensions in millimetres



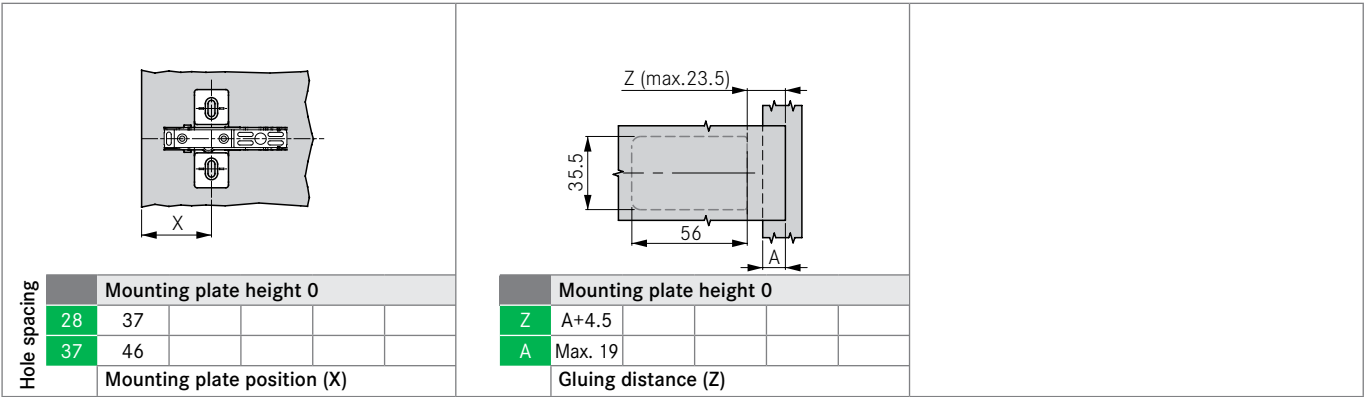
MINIMUM GAP/MINIMUM REVEAL

Values with mounting plate height 0

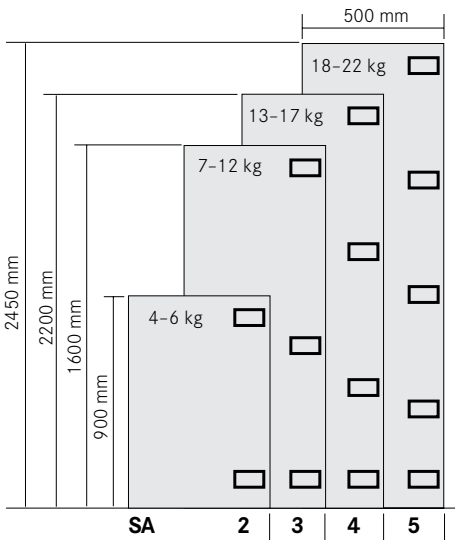
Gluing distance (Z)	1.5	2.5	10.5	12.5	14.5	16.5	18.5	19.5	21.5	23.5
Door protrusion (TES)	0	0	0	0	0	0	0	0.5	1.5	3
Door overlay (A)	-3	-2	6	8	10	12	14	15	17	19
Min. reveal (F)/Gap (S)	F S	F S	F S	F S	F S	F S	F S	F S	F S	F S
Door thickness 3-8 (TS)	2	2	2	2	2	2	2	2	2	2

ECO CROSS MOUNTING PLATE

ZAMAK ADAPTER



NUMBER OF HINGES



NOTES

An inset application is achieved by altering the fixing distance of the mounting plate (X) and reducing the gluing distance (Z).

① **Important:** For mirror or glass doors, all reveals must be at least 1.5 mm (otherwise there is a risk of breakage).

The inside edge of the door must not touch the cabinet when opened.

① **Installation advice:** Please contact your glass or door supplier regarding the selection and application of the adhesive for fixing the hinge seat to mirror or glass doors.

① **Liability claims:** Please note that GRASS does not assume any liability for the adhesive and the gluing technique used, nor for any resulting claims.

① **Important:** Mirro hinges must not be used with cam mounting plates.

TIOMOS MIRRO

125° mirror/clear glass hinge

PLANNING DIMENSIONS

All dimensions in millimetres

Corner applications

+5° WEDGE overlay

+5° WEDGE inset

+10° WEDGE overlay

Adapter	Z	 min. 20
Stainless steel	22.5	
Zamak	20	
	Height	Art. No.
ECO cross mounting plate	0	F058139721
+5° wedge	3	F072135757

Adapter	Z	 min. 20
Stainless steel	3	
Zamak	0.5	
	Height	Art. No.
ECO cross mounting plate	0	F058139721
+5° wedge	3	F072135757

Adapter	Z	 min. 25
Stainless steel	21.5	
Zamak	19	
	Height	Art. No.
ECO cross mounting plate	0	F058139721
+5° wedge (2x)	3	F072135757

Corner applications

+ 10° WEDGE inset

+15° WEDGE overlay

Adapter	Z	
Stainless steel	3	min. 25
Zamak	0.5	
Height	Art. No.	
ECO cross mounting plate	0	F058139721
+5° wedge (2x)	3	F072135757

Adapter	Z	
Stainless steel	22.5	min. 30
Zamak	20	
Height	Art. No.	
ECO cross mounting plate	2	F058139722
+5° wedge (3x)	3	F072135757

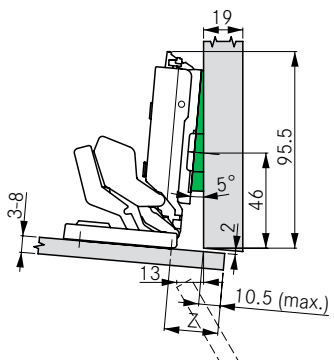
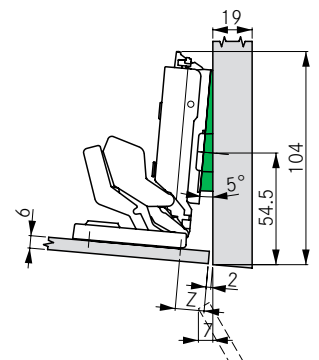
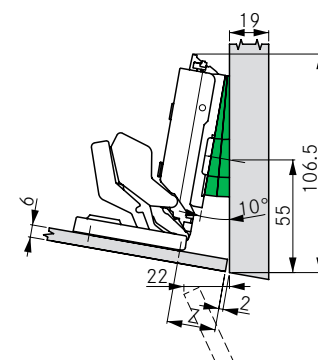
PAGE REFERENCES

Tiomos mounting plates	60
Accessories	70
Technical information	74

Tipmatic	88
Assembly technology	225
Assembly aids	230

PLANNING DIMENSIONS

All dimensions in millimetres

Corner applications					
-5° WEDGE overlay			-5° WEDGE inset		
					
Adapter	Z		Adapter	Z	
Stainless steel	22.5		Stainless steel	14	
Zamak	20		Zamak	11.5	
	Height	Art. No.		Height	Art. No.
ECO cross mounting plate	0	F058139721	ECO cross mounting plate	0	F058139721
-5° wedge	3	F072135758	-5° wedge	3	F072135758
-10° WEDGE inset					
					
Adapter	Z				
Stainless steel	23.5				
Zamak	21				
	Height	Art. No.			
ECO cross mounting plate	0	F058139721			
-5° wedge (2x)	3	F072135758			

NOTE

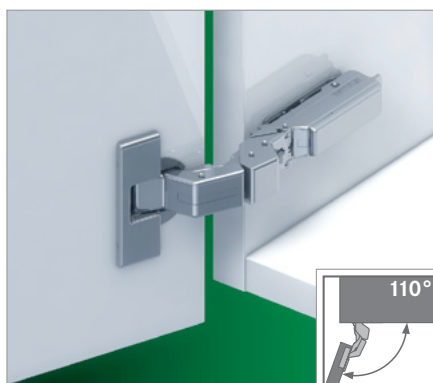
A trial fitting is recommended for all door thicknesses.

LEGEND

Z	Gluing distance
---	-----------------

TIOMOS M9

110° hinge (door thicknesses from 12 mm)



- For door thicknesses up to 28 mm
- 35 mm full cup drill hole
- Shallow cup depth of 9 mm
- 3-dimensional adjustment with corresponding mounting plate
- For door overlays up to 25 mm
- Surfaces: Nickel or Night (especially for dark cabinet materials and woods)

Available in four versions:

- With integrated damper (3 adjustable damping levels)
- Without integrated damper
- Without self-closing mechanism (without spring)
- With self-opening mechanism

ORDER INFORMATION FOR DRILLING PATTERN 45/9.5, NICKEL

Door overlay	Cranking	Damper		Without spring	With self-opening mechanism ¹	Art. No.		
		With	Without			Click-on for screw fitting		
	14	■	-	-	-	F029140338		
		-	■	-	-	F047140339		
		-	■	■	-	F049140340		
		-	-	-	■	F049140361		

Cup material: zamak, nickel-plated/Arm material: zamak, nickel-plated

¹ Additional Tipmatic Plus Pin required

ORDER INFORMATION FOR DRILLING PATTERN 48/9, NIGHT

Door overlay	Cranking	Damper		Without spring		Art. No.		
		With	Without			Click-on for screw fitting		
	14	■	-	-		F029140467		
		-	■	-		-		
		-	■	■		F049140472		

Cup material: zamak, Night/Arm material: zamak, Night

¹ Additional Tipmatic Plus Pin required

PAGE REFERENCES

Tiomos mounting plates	60
Accessories	70
Technical information	74

Tipmatic	88
Assembly technology	225
Assembly aids	230

PLANNING DIMENSIONS

All dimensions in millimetres

Overlay	Half overlay	Inset
Mounting plate height 0	Mounting plate height 0	Mounting plate height 6 * Dimensions with mounting plate for hole spacing 37 mm

MINIMUM GAP/MINIMUM REVEAL

Values with mounting plate height 0

Door thickness (TS)	Cup distance (TA)	3		4		5		6		7		8		9		10		11		12		13	
	Door protrusion (TES)	0.8		1.1		1.5		1.8		2.2		2.5		2.9		3.2		3.5		3.9		4.2	
	Door overlay (A)	4		5		6		7		8		9		10		11		12		13		14	
	Min. reveal (F)/Gap (S)	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S
	12-20	1	1.5	1	1.5	1	1.5	1	1.5	1	1.5	1	1.5	1	1.5	1	1.5	1	1.5	1	1.5	1	1.5
	22	1	1.5	1	1.5	1	1.5	1	1.5	1	1.5	1	1.5	1	1.5	1	1.5	1.5	1.5	1.7	1.5	4	1.5
	24	1	1.5	1.2	1.5	1.3	1.5	1.5	1.5	1.7	1.5	2	1.5	2.4	1.3	3.3	1.5	8.3	1.5	7.7	1.5	6.9	1.5
	26	2.2	1.5	2.4	1.5	2.7	1.5	3.1	1.5	3.6	1.5	4.7 ¹	1.5	12 ¹	1.5	11.8	1.5	10.9	1.5	9.9	1.5	8.9	1.5
	28	3.9	1.5	4.3	1.5	5.1 ¹	1.5	6.3 ¹	1.5	16 ¹	1.5	16 ¹	1.5	15 ¹	1.5	14 ¹	1.5	13 ¹	1.5	12 ¹	1.5	11 ¹	1.5
Door thickness (TS)	Cup distance (TA)	14		15		16		17		18		19		20		21		22		23		24	
	Door protrusion (TES)	4.6		4.9		5.3		5.6		5.9		6.3		6.6		7		7.3		7.6		8	
	Door overlay (A)	15		16		17		18		19		20		21		22		23		24		25	
	Min. reveal (F)/Gap (S)	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S
	12-20	1	1.5	1	1.5	1	1.5	1	1.5	1	1.5	1	1.5	1	1.5	1	1.5	1	2	1	2	1	2
	22	4	1.5	3.5	1.5	3	1.5	2.2	1.5	1.7	1.5	1.3	1.5	1	1.5	1	1.5	1	2	1	2	1	2
	24	6	1.5	5.2	1.5	4.5	1.5	4	1.5	3.3	1.5	3	1.5	2.5	1.5	2.1	1.5	1.9	2	1.6	2	1.5	2
	26	8	1.5	7.2	1.5	6.4	1.5	5.8	1.5	5.1	1.5	4.6	1.5	4.1	1.5	3.7	1.5	3.3	2	3	2	2.6	2
	28	10 ¹	1.5	9.2	1.5	8.4	1.5	7.6	1.5	6.9	1.5	6.4	1.5	5.8	1.5	5.3	1.5	4.9	2	4.5	2	4.2	2
¹ Value can be obtained by using an 85° opening angle reduction clip																							

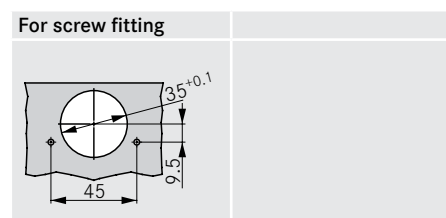
¹ Value can be obtained by using an 85° opening angle reduction clip.

NOTE

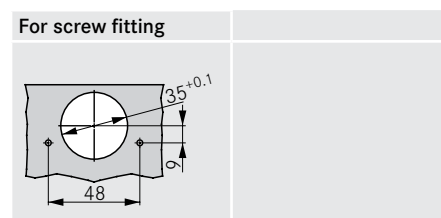
Minimum reveal for doors with chamfered edges (R = 1 mm) with factory setting.

A trial fitting is recommended for all door thicknesses.

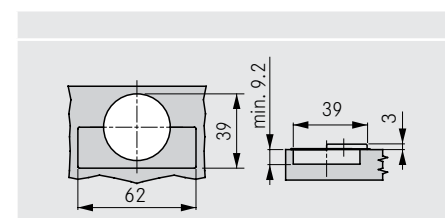
DRILLING PATTERNS 45/9.5



DRILLING PATTERNS 48/9



CUP DIMENSIONS

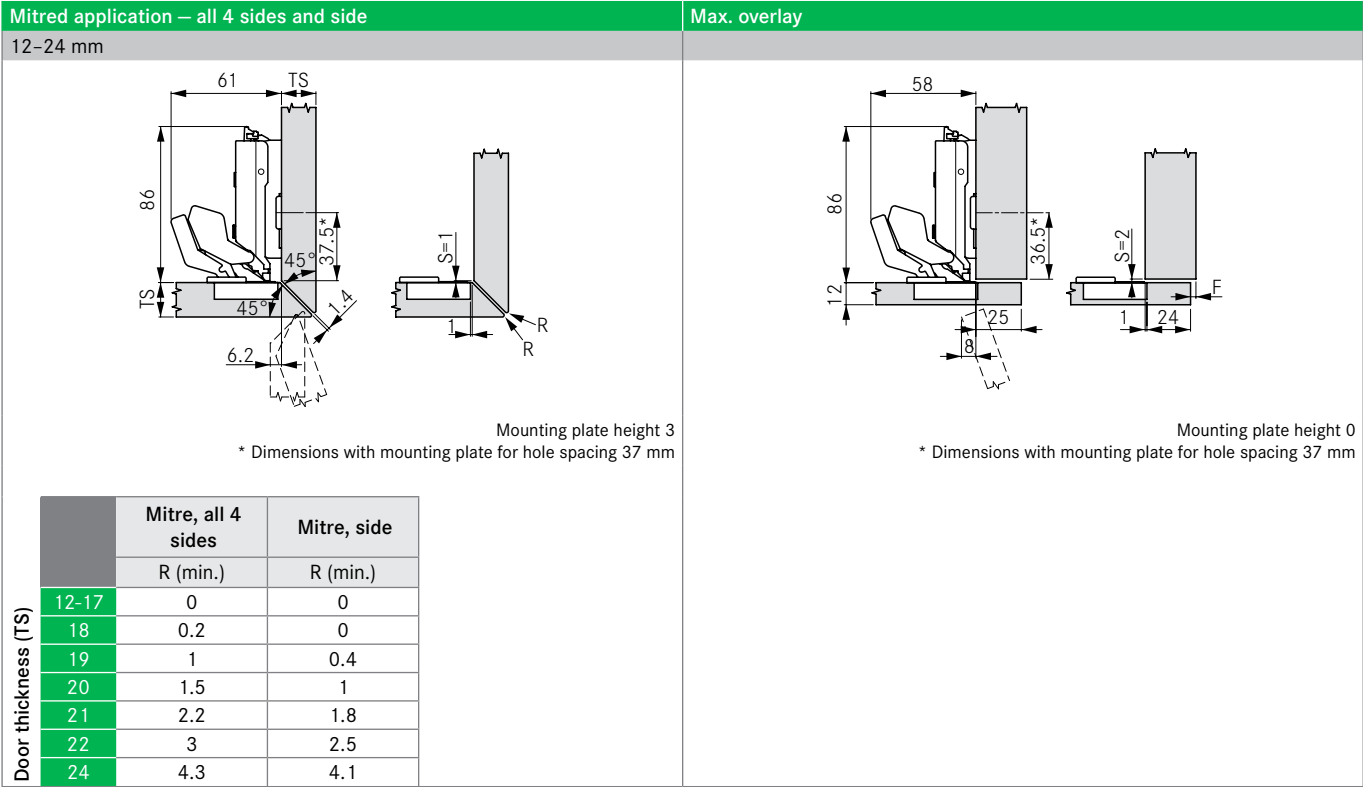


TIOMOS M9

110° hinge (door thicknesses from 12 mm)

PLANNING DIMENSIONS

All dimensions in millimetres



NOTE

1.4-mm reveal with mitre on all sides.

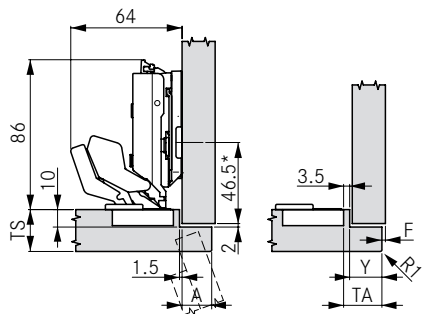
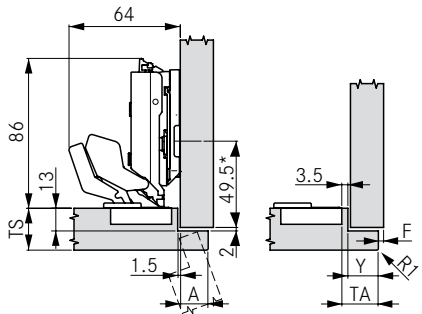
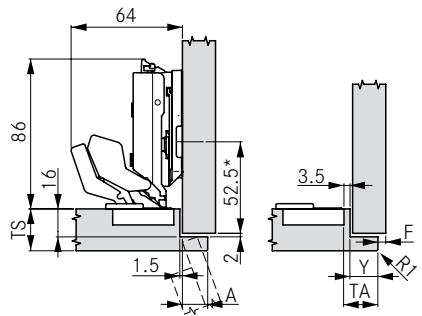
PAGE REFERENCES

Tiomos mounting plates	60	Tipmatic	88		
Accessories	70	Assembly technology	225		
Technical information	74	Assembly aids	230		

PLANNING DIMENSIONS

All dimensions in millimetres

Rebated applications

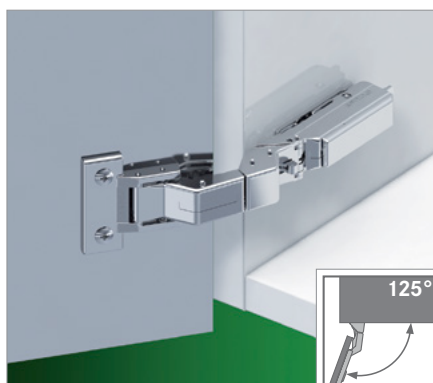
10 mm						13 mm					
 Mounting plate height 6 * Dimensions with mounting plate for hole spacing 37 mm						 Mounting plate height 6 * Dimensions with mounting plate for hole spacing 37 mm					
Cabinet situation	TS (max.)	A (max.)	Y (max.)	TA (max.)	F (min.)	Cabinet situation	TS (max.)	A (max.)	Y (max.)	TA (max.)	F (min.)
	20	17	18.5	22	1		20	16	17.5	21	1
	28	17	18.5	22	See reveal table		28	16	17.5	21	See reveal table
	38	17	18.5	22			35	14	15.5	19	
16 mm											
 Mounting plate height 6 * Dimensions with mounting plate for hole spacing 37 mm											
Cabinet situation	TS (max.)	A (max.)	Y (max.)	TA (max.)	F (min.)						
	20	14.5	16	19.5	1						
	26	14.5	16	19.5	See reveal table						
	32	12.5	14	17.5							

LEGEND

A	Overlay
F	Reveal
TA	Cup distance
TS	Door thickness

TIOMOS M0

125° hinge (door thicknesses from 6 to 10 mm)



- For door thicknesses of 6–10 mm
- No cup hole necessary
- 3-dimensional adjustment
- For door overlays up to 25 mm
- Compatible with all mounting plates in the Tiomos series
- Zero protrusion up to 14 mm overlay
- 125° opening angle

Available in three versions:

- With integrated damper (3 adjustable damping levels)
- Without integrated damper
- Without self-closing mechanism (without spring)

ORDER INFORMATION

Door overlay	Cranking	Damper		Without spring	Art. No.		
		With	Without		Click-on for screw fitting		
	-	■	-	-	F029140331		
		-	■	-	F047140332		
		-	■	■	F049140333		

Cup material: zamak, nickel-plated/Arm material: zamak, nickel-plated

ATTACHMENT OPTIONS

	Designation	Art. No.
	Countersunk screw M4 x 8 mm	F072135947
	Euro screw, nickel-plated, Ø 6.3 x 10.5 mm	F146073979
	Set: 100 countersunk screws M4 x 8 mm, 100 sleeves M4 x 5.5 mm, 1 Allen key	F072135928

		Material thickness			
		6 mm	6.4 mm	8 mm	10 mm
Material	MDF	-	-	F146073979	
	Chipboard	-	-	F146073979	
	HPL	-	-	F146073979	
		-	F072135928		
	Mineral composite	-	F072135928		
	Aluminium	F072135947			

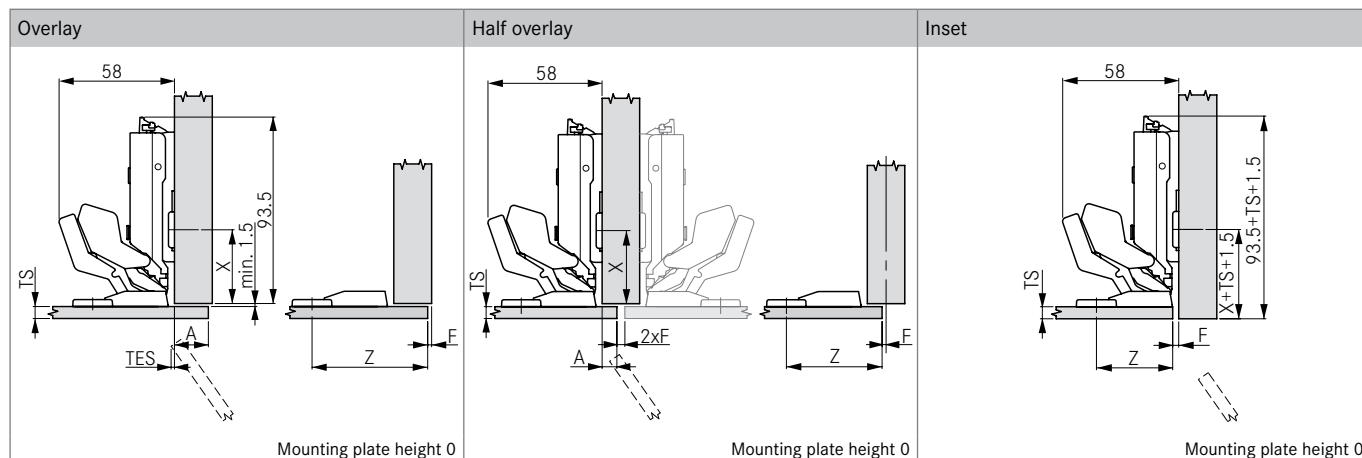
PAGE REFERENCES

Tiomos mounting plates	60
Accessories	70
Technical information	74

Tipmatic	88
Assembly technology	225
Assembly aids	230

PLANNING DIMENSIONS

All dimensions in millimetres



MINIMUM GAP/MINIMUM REVEAL

Values with mounting plate height 0

Screwing distance (Z)	38	39	47	49	51	53	55	56	58	60	61	63	64	66
Door protrusion (TES)	0	0	0	0	0	0	0	0.5	1.5	3	3.4	0	0	0
Door overlay (A)	-3	-2	6	8	10	12	14	15	17	19	20	22 ¹	23 ¹	25 ¹
Min. reveal (F)/Gap (S)	F	S	F	S	F	S	F	S	F	S	F	S	F	S
Door thickness 6–10 (TS)	2	1.5	2	1.5	2	1.5	2	1.5	2	1.5	2	1.5	2	1.5

¹ Door overlay A = 22–25 only with angle reduction.

CROSS MOUNTING PLATE

LINEAR MOUNTING PLATE

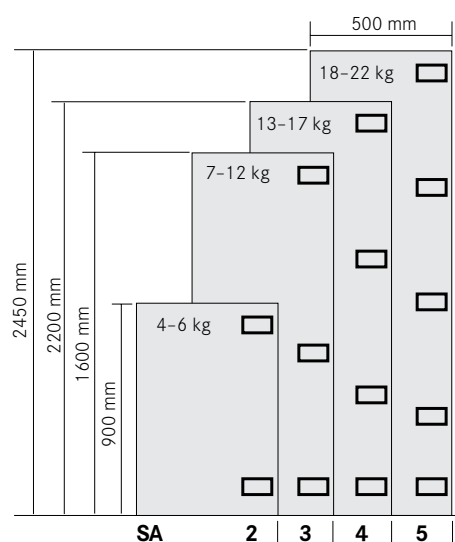
SCREW-ON POSITION

Hole spacing	Mounting plate height 0	Mounting plate position (X)
28	37	
37	46	

Hole spacing	Mounting plate height 0	Mounting plate position (X)
X	29	

Hole spacing	Mounting plate height 0	Mounting plate position (X)
Z	A+41	
A	Max. 25	

NUMBER OF HINGES



NOTES

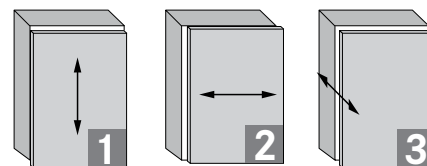
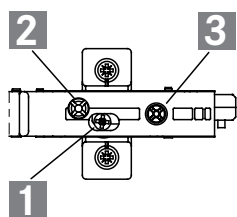
An inset application is achieved through the mounting plate position (X) and a reduced screwing distance (Z).

- ① **Installation advice for countersunk head screw M4 x 8 mm:**
 1. Drill hole with Ø 3.3 mm
 2. Cut thread to Ø 4 mm
 3. Fit the hinge and fix with the screws
- ① **Installation advice for countersunk head screw M4 x 8 mm with sleeve M4 x 5.5 mm:**
 1. Drill hole with Ø 5 mm
 2. Drilling depth: 6 mm
 3. Slightly countersink the edge of the hole
 4. Insert the sleeve
 5. Knock in the sleeve using a hammer
 6. Fit the hinge and fix with the screws

- ① **Installation advice for Euro cheese head Ø 6.3 x 10.5 mm:**
 1. Drill hole with Ø 5 mm
 2. Fit the hinge and fix with the screws
- ① **Installation advice:** The pull-out resistance can vary based on the type and thickness of the door material, despite using the same fixing method. Please contact your door material supplier regarding the selection and installation of the door material.
- ① **Liability claims:** Please note that GRASS does not assume any liability for damages arising from the use of unsuitable fastening materials or fixing methods.

TIOMOS

Mounting plates



(HV) Height
adjustment
+/- 2 mm

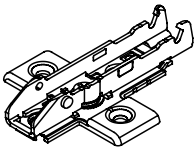
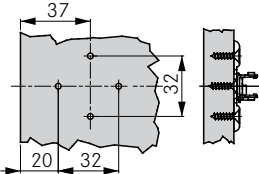
(SV) Side
adjustment
+/- 2 mm

(TV) Depth
adjustment
+3/-2 mm

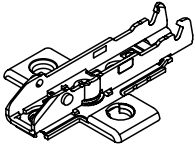
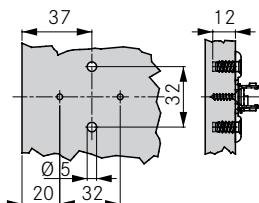
All adjustments can be carried out independently of each other.

ORDER INFORMATION

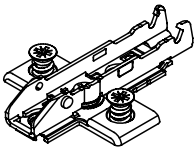
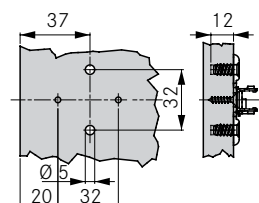
1D CROSS MOUNTING PLATE, 4-POINT FIXING

For screw fitting	37/32	Height	Colour	Art. No.
- Steel, nickel-plated/Night - Fixing with wood screws Ø 3.5 x 15 mm - With convenient height adjustment (HV) via worm screw 		0	Nickel	F058139746
			Night	F058149629
		2	Nickel	F058139747
			Night	F058149630
		3	Nickel	F058139748
			Night	F058149631

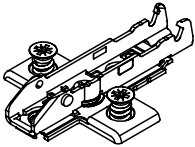
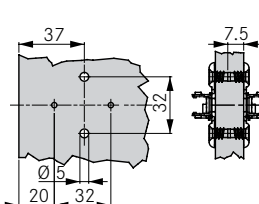
1D CROSS MOUNTING PLATE, 4-POINT FIXING

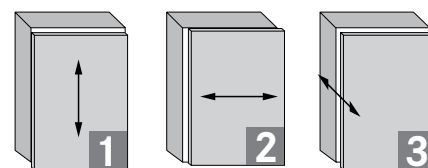
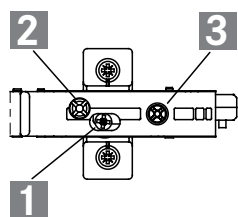
For Euro screws	37/32	Height	Art. No.
- Steel, nickel-plated - Fixing with Euro screws Ø 6.3 mm - With convenient height adjustment (HV) via worm screw 		0	F058139756
		2	F058139757
		3	F058139758

1D CROSS MOUNTING PLATE, 4-POINT FIXING

With pre-assembled Euro screws (13.5 mm)	37/32	Height	Colour	Art. No.
- Steel, nickel-plated/Night - Fixing with pre-assembled Euro screws Ø 6.3 x 13.5 mm - With convenient height adjustment (HV) via worm screw 		0	Nickel	F058139761
			Night	F058140386
		2	Nickel	F058139762
			Night	F058140933
		3	Nickel	F058139763
			Night	F058149632

1D CROSS MOUNTING PLATE, 4-POINT FIXING, FOR TWIN APPLICATION

With pre-assembled Euro screws (10 mm)	37/32	Height	Art. No.
- Steel, nickel-plated - Fixing with pre-assembled Euro screws Ø 6.3 x 10 mm - With convenient height adjustment (HV) via worm screw - Suitable for twin application 		0	F058139863
		2	F058139864
		3	F058139865



(HV) Height
adjustment
+/- 2 mm

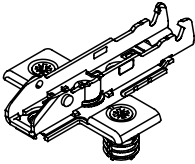
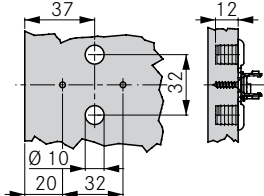
(SV) Side
adjustment
+/- 2 mm

(TV) Depth
adjustment
+3/-2 mm

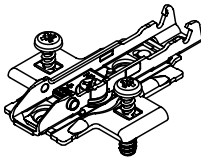
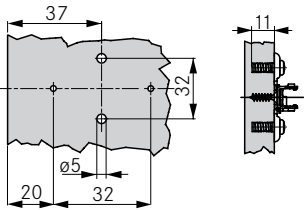
All adjustments can be carried out independently of each other.

ORDER INFORMATION

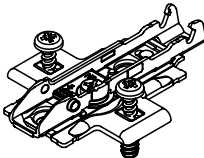
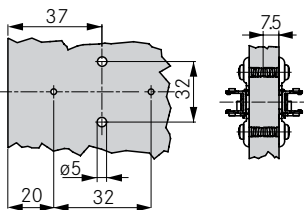
1D CROSS MOUNTING PLATE, 4-POINT FIXING

For press fitting	37/32	Height	Art. No.
- Steel, nickel-plated - Fixing with Ø 10 mm dowels - With convenient height adjustment (HV) via worm screw Do not strike the mounting plate with a hammer 		0	F058139751
		2	F058139752
		3	F058139753

1D CROSS MOUNTING PLATE QUICK, 4-POINT FIXING

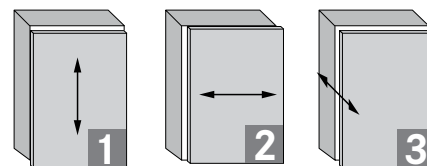
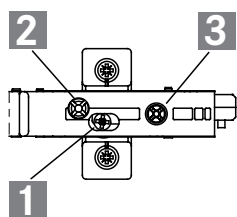
Mounting plate (expansion dowel 11 mm)	37/32	Height	Art. No.
- Steel, nickel-plated - Fixing with Ø 5 mm dowels - With convenient height adjustment (HV) via worm screw Do not strike the mounting plate with a hammer! 		0	F058139766
		2	F058139767
		3	F058139768

1D CROSS MOUNTING PLATE QUICK, 4-POINT FIXING, FOR TWIN APPLICATION

Twin mounting plate (expansion dowel 7.5 mm)	37/32	Height	Art. No.
- Steel, nickel-plated - Fixing with Ø 5 mm dowels - With convenient height adjustment (HV) via worm screw - Suitable for twin application Do not strike the mounting plate with a hammer! 		0	F058139931
		2	F058139932
		3	F058139933

TIOMOS

Mounting plates



(HV) Height
adjustment
+/- 2 mm

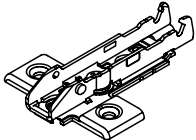
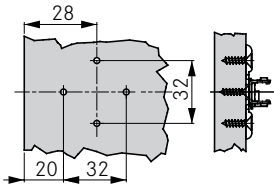
(SV) Side
adjustment
+/- 2 mm

(TV) Depth
adjustment
+3/-2 mm

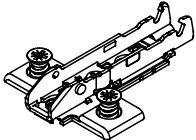
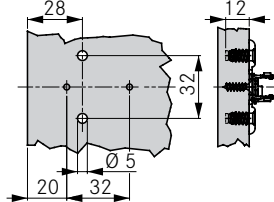
All adjustments can be carried out independently
of each other.

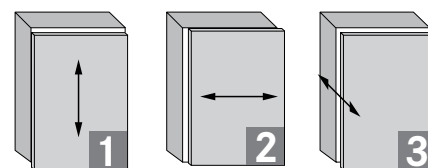
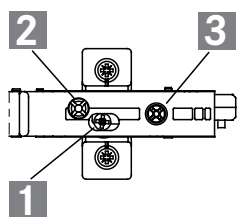
ORDER INFORMATION

1D CROSS MOUNTING PLATE, 4-POINT FIXING

For screw fitting	28/32	Height	Art. No.
- Steel, nickel-plated - Fixing with wood screws Ø 3.5 x 15 mm - With convenient height adjustment (HV) via worm screw 		0	F058139796
		2	F058139797

1D CROSS MOUNTING PLATE, 4-POINT FIXING

With pre-assembled Euro screws (13.5 mm)	28/32	Height	Art. No.
- Steel, nickel-plated - Fixing with pre-assembled Euro screws Ø 6.3 x 13.5 mm - With convenient height adjustment (HV) via worm screw 		0	F058139811
		2	F058139812
		3	F058139813



(HV) Height
adjustment
+/- 2 mm

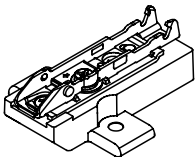
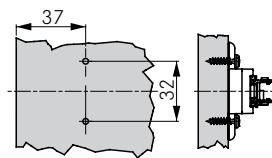
(SV) Side
adjustment
+/- 2 mm

(TV) Depth
adjustment
+3/-2 mm

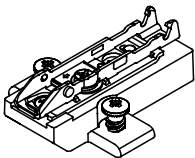
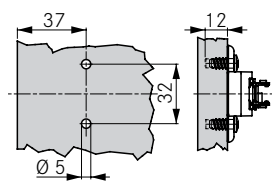
All adjustments can be carried out independently
of each other.

ORDER INFORMATION

1D CROSS MOUNTING PLATE, 2-POINT FIXING, FOR SCREW FITTING

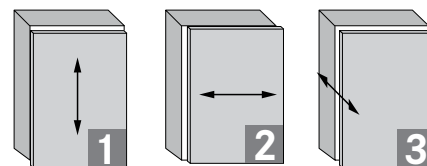
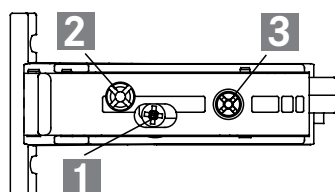
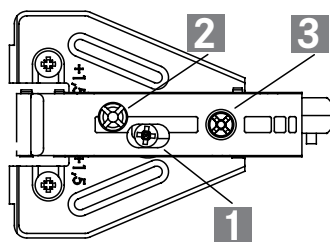
For screw fitting	37/32	Height	Art. No.
- Zamak/steel, nickel-plated - Fixing with wood screws Ø 3.5 x 15 mm - With convenient height adjustment (HV) via worm screw 		6	F058139892
		8	F058139886
		9	F058139887
		9.5	F058139888
		12	F058139893
		14	F058139889
		15	F058139890
		15.5	F058139891
		19	F058139894
		21	F058139895

1D CROSS MOUNTING PLATE, 2-POINT FIXING

With pre-assembled Euro screws (13.5 mm)	37/32	Height	Art. No.
- Zamak/steel, nickel-plated - Fixing with pre-assembled Euro screws Ø 6.3 x 13.5 mm - With convenient height adjustment (HV) via worm screw 		6	F058139873
		8	F058139880
		9	F058139881
		9.5	F058139882
		12	F058139874
		15.5	F058139885
		19	F058139875
		21	F058139896

TIOMOS

Mounting plates



(HV) Height
adjustment
+/- 2 mm

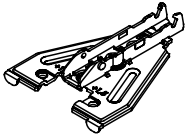
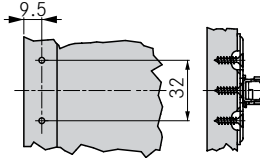
(SV) Side
adjustment
+/- 2 mm

(TV) Depth
adjustment
+3/-2 mm

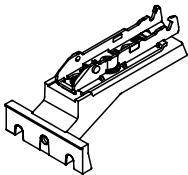
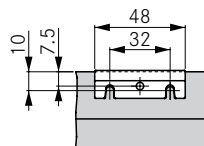
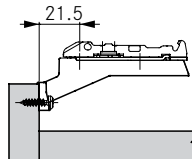
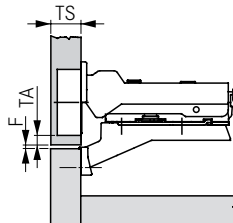
All adjustments can be carried out independently of each other.

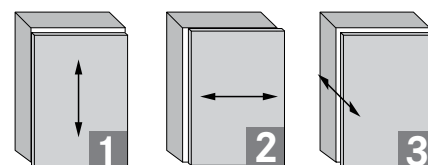
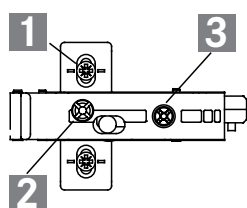
ORDER INFORMATION

1D DELTA MOUNTING PLATE FOR FRAME CONSTRUCTIONS, 4-POINT FIXING

For screw fitting	9.5/32	Height	Art. No.
- Steel, nickel-plated - Fixing with wood screws Ø 3.5 x 15 mm - With convenient height adjustment (HV) via worm screw 		1.5	F058139825
		3.5	F058139826
		4.5	F058139827

INSET BEADED MOUNTING PLATE FOR FRAME CONSTRUCTIONS, 3-POINT FIXING

For screw fitting					10/32	Height	Art. No.																																															
• For inset doors • For use with hinges with cranking 9.5 • Steel/zamak, nickel-plated • Fixing with pan head wood screws • With convenient height adjustment (HV) via worm screw						  	0	F058139831																																														
<table><tr><th rowspan="10">Door thickness (TS)</th><th colspan="4">Cup distance (TA)</th></tr><tr><th>3</th><th>4</th><th>5</th><th>6</th></tr><tr><td>28.0</td><td>4.0</td><td></td><td></td></tr><tr><td>26.0</td><td>4.0</td><td>3.0</td><td></td></tr><tr><td>24.0</td><td>4.0</td><td>3.0</td><td>2.0</td></tr><tr><td>22.0</td><td>4.0</td><td>3.0</td><td>2.0</td></tr><tr><td>20.0</td><td>4.0</td><td>3.0</td><td>2.0</td><td>1.0</td></tr><tr><td>19.0</td><td>4.0</td><td>3.0</td><td>2.0</td><td>1.0</td></tr><tr><td>18.0</td><td>4.0</td><td>3.0</td><td>2.0</td><td>1.0</td></tr><tr><td>16.0</td><td>4.0</td><td>3.0</td><td>2.0</td><td>1.0</td></tr><tr><td colspan="5">Minimum reveal (F)</td></tr></table>					Door thickness (TS)				Cup distance (TA)				3	4	5	6	28.0	4.0			26.0	4.0	3.0		24.0	4.0	3.0	2.0	22.0	4.0	3.0	2.0	20.0	4.0	3.0	2.0	1.0	19.0	4.0	3.0	2.0	1.0	18.0	4.0	3.0	2.0	1.0	16.0	4.0	3.0	2.0	1.0	Minimum reveal (F)	
Door thickness (TS)	Cup distance (TA)																																																					
	3	4	5	6																																																		
	28.0	4.0																																																				
	26.0	4.0	3.0																																																			
	24.0	4.0	3.0	2.0																																																		
	22.0	4.0	3.0	2.0																																																		
	20.0	4.0	3.0	2.0		1.0																																																
	19.0	4.0	3.0	2.0		1.0																																																
	18.0	4.0	3.0	2.0		1.0																																																
	16.0	4.0	3.0	2.0	1.0																																																	
Minimum reveal (F)																																																						



(HV) Height
adjustment
+/- 2.5 mm

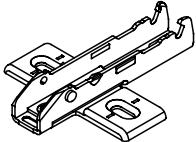
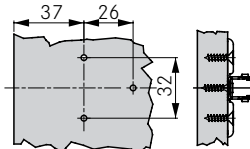
(SV) Side
adjustment
+/- 2 mm

(TV) Depth
adjustment
+3/-2 mm

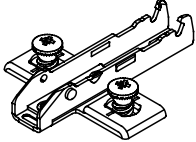
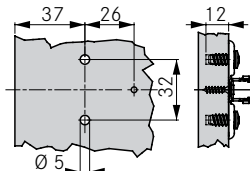
All adjustments can be carried out independently of each other.

ORDER INFORMATION

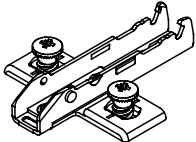
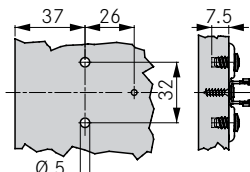
ECO CROSS MOUNTING PLATE, 3-POINT FIXING

For screw fitting	37/32	Height	Art. No.
- Steel, nickel-plated - Fixing with wood screws Ø 3.5 x 15 mm - Height adjustment (HV) by means of slot 		-2	F058139720
		0	F058139721
		2	F058139722
		3	F058139723

ECO CROSS MOUNTING PLATE, 3-POINT FIXING

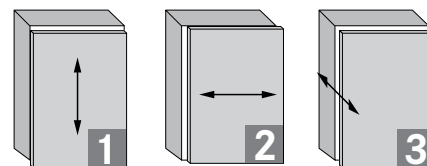
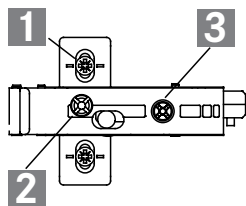
With pre-assembled pan head Euro screws (13.5 mm)	37/32	Height	Art. No.
- Steel, nickel-plated - Fixing with pre-assembled pan head Euro screws Ø 6.3 x 13.5 mm - Height adjustment (HV) by means of slot 		-2	F058139735
		0	F058139736
		2	F058139737
		3	F058139738

ECO CROSS MOUNTING PLATE, 3-POINT FIXING, FOR TWIN APPLICATION

With pre-assembled pan head Euro screws (10.5 mm)	37/32	Height	Art. No.
- Steel, nickel-plated - Fixing with pre-assembled pan head Euro screws Ø 6.3 x 10.5 mm - Height adjustment (HV) by means of slot - For twin application 		-2	F058139857
		0	F058139858
		2	F058139859
		3	F058139860

TIOMOS

Mounting plates



(HV) Height
adjustment
+/- 2.5 mm

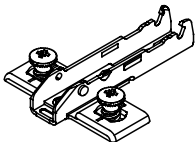
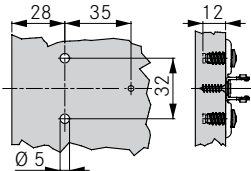
(SV) Side
adjustment
+/- 2 mm

(TV) Depth
adjustment
+3/-2 mm

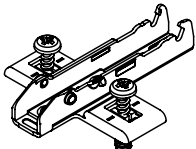
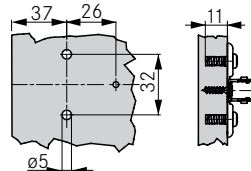
All adjustments can be carried out independently
of each other.

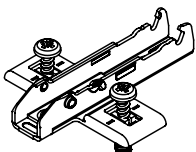
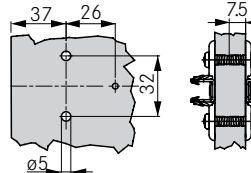
ORDER INFORMATION

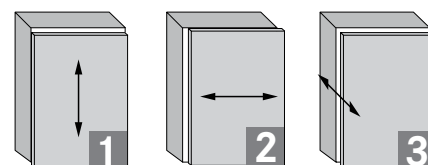
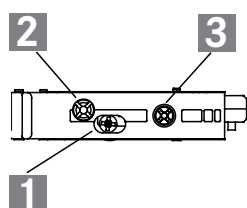
ECO CROSS MOUNTING PLATE, 3-POINT FIXING

With pre-assembled pan head Euro screws (13.5 mm)		28/32	Height	Art. No.
- Steel, nickel-plated - Fixing with pre-assembled pan head Euro screws Ø 6.3 x 13.5 mm - Height adjustment (HV) by means of slot 			-2	F058139785
			0	F058139786
			2	F058139787
			3	F058139788

ECO CROSS MOUNTING PLATE QUICK, 3-POINT FIXING

Mounting plate (expansion dowel 11 mm)		37/32	Height	Art. No.
- Steel, nickel-plated - Fixing with Ø 5 mm dowels - Height adjustment (HV) by means of slot Do not strike the mounting plate with a hammer! 			0	F058139741
			2	F058139742
			3	F058139743

Twin mounting plate (expansion dowel 7.5 mm)		37/32	Height	Art. No.
- Steel, nickel-plated - Fixing with Ø 5 mm dowels - Height adjustment (HV) by means of slot - Suitable for twin application Do not strike the mounting plate with a hammer! 			3	F058139929



(HV) Height
adjustment
+/- 2 mm

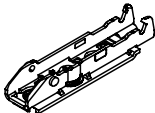
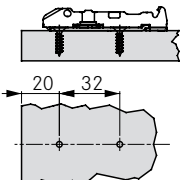
(SV) Side
adjustment
+/- 2 mm

(TV) Depth
adjustment
+3/-2 mm

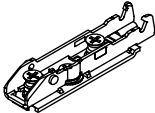
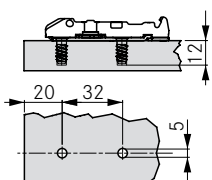
All adjustments can be carried out independently of each other.

ORDER INFORMATION

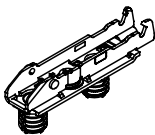
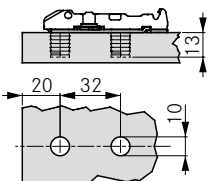
1D LINEAR MOUNTING PLATE, 2-POINT FIXING

For screw fitting	20/32	Height	Colour	Art. No.
- Steel, nickel-plated/Night - Fixing with wood screws Ø 3.5 x 15 mm or with Euro screws Ø 6.3 x 13.5 mm - With convenient height adjustment (HV) via worm screw 		0	Nickel	F059139701
			Night	F059139977
		2	Nickel	F059139702
			Night	F059139978
		3	Nickel	F059139703
			Night	F059139979

1D LINEAR MOUNTING PLATE, 2-POINT FIXING

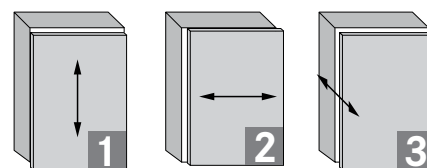
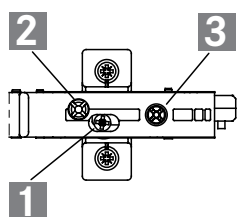
With pre-assembled Euro screws (13.5 mm)	20/32	Height	Art. No.
- Steel, nickel-plated - Fixing with pre-assembled Euro screws Ø 6.3 x 13.5 mm - With convenient height adjustment (HV) via worm screw Do not strike the mounting plate with a hammer 		0	F059139711
		2	F059139712
		3	F059139713

1D LINEAR MOUNTING PLATE, 2-POINT FIXING

For press fitting	20/32	Height	Colour	Art. No.
- Steel, nickel-plated/Night - Fixing with Ø 10 mm dowels - With convenient height adjustment (HV) via worm screw Do not strike the mounting plate with a hammer 		0	Nickel	F059139706
			Night	F059139980
		2	Nickel	F059139707
			Night	F059149634
		3	Nickel	F059139708

TIOMOS

Mounting plates



(HV) Height
adjustment
+/- 2 mm

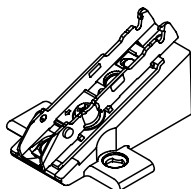
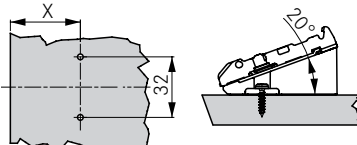
(SV) Side
adjustment
+/- 2 mm

(TV) Depth
adjustment
+3/-2 mm

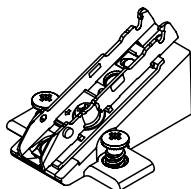
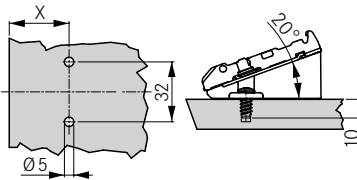
All adjustments can be carried out independently of each other.

ORDER INFORMATION

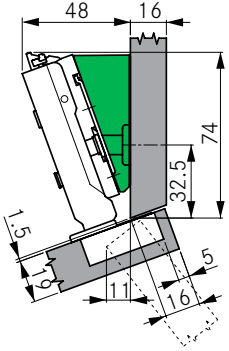
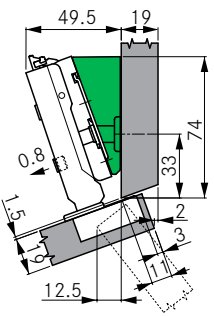
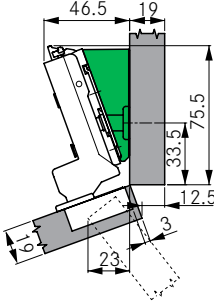
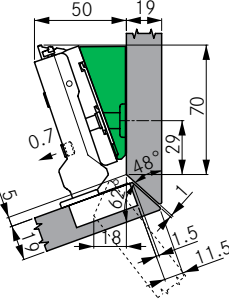
CROSS MOUNTING PLATE FOR 20° ANGLED, 2-POINT FIXING

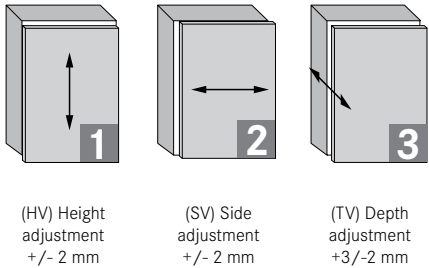
For screw fitting	X/32	Height	Art. No.
- For 20° angled applications - Zamak/steel, nickel-plated - Fixing with wood screws Ø 3.5 x 15 mm - With convenient height adjustment (HV) via worm screw 		0	F058139902
		2	F058139903
		3	F058139904

CROSS MOUNTING PLATE FOR 20° ANGLED, 2-POINT FIXING

With pre-assembled Euro screws (13.5 mm)	X/32	Height	Art. No.
- For 20° angled applications - Zamak/steel, nickel-plated - Fixing with pre-assembled Euro screws Ø 6.3 x 13.5 mm - With convenient height adjustment (HV) via worm screw 		2	F058139907

APPLICATION EXAMPLES FOR 20° ANGLED APPLICATIONS

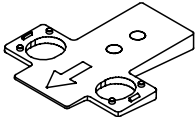
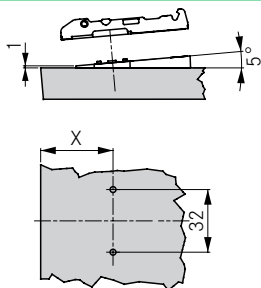
Overlay application	Half overlay application	Corner application	Mitred application
			
Tiomos 110/Cracking 3 20° cross mounting plate height 2	Tiomos 110/Cracking 3 20° cross mounting plate height 3.5	Tiomos 110/Cracking 19 20° cross mounting plate height 0	Tiomos 110/Cracking 9.5 20° cross mounting plate height 3.5



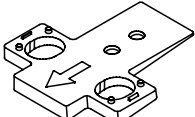
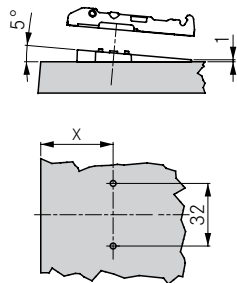
All adjustments can be carried out independently of each other.

ORDER INFORMATION

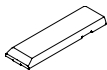
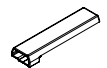
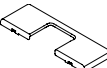
+5° WEDGE

For screw fitting	37/32		Art. No.
• Zamak, nickel-plated • For supporting cross mounting plates • Max. 3-way stacking (trial fitting recommended) 			F072135757

-5° WEDGE

For screw fitting	37/32		Art. No.
• Zamak, nickel-plated • For supporting cross mounting plates • Max. 3-way stacking (trial fitting recommended) 			F072135758

COVER CAPS

	Designation	Cranking	Imprinted/Embossed	Art. No.
	Hinge arm cover cap, steel, nickel-plated, not imprinted	0/3/9.5/19	On request	F072135500
	Hinge arm cover cap, steel, Night, not imprinted			F072140519
	Hinge arm cover cap, left, steel, nickel-plated, GRASS embossed	0/3/9.5/19	GRASS logo	F072135550
	Hinge arm cover cap, right, steel, nickel-plated, GRASS embossed			F072135551
	Premium hinge arm cover cap with clip-off protection, plastic, black, not imprinted	0/3/9.5/19	On request	F072140504
	Hinge cup cover cap, steel, nickel-plated, not imprinted	-	On request	F072135503
	Hinge cup cover cap, steel, Night, not imprinted			F072140520

OPENING ANGLE REDUCTION CLIPS

	Designation			Art. No.
	85° opening angle reduction clip Can be used for all Tiomos 110°/120° standard hinges as well as blind corner hinges. Prevents the door from hitting fronts or walls when fitted at corners. Simple, tool-free assembly. Steel, not nickel-plated			F072135751
	85° opening angle reduction clip Can be used for all Tiomos Mirro, M9 und M0 hinges. Prevents the door from hitting fronts or walls when fitted at corners. Simple, tool-free assembly. Plastic, black			F072135871
	120° opening angle reduction clip Can be used for all Tiomos 155° wide-angle hinges. Prevents the door from hitting fronts or walls when fitted at corners. Simple, tool-free assembly. Plastic, black			F072135753

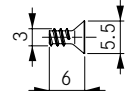
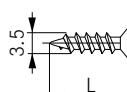
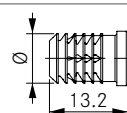
UNCLIPPING PROTECTOR

	Designation			Artikel-Nr.
	Can be used for all Tiomos standard hinges. Prevents the hinge from being unintentionally unclipped from the mounting plate. Simple, tool-free assembly.			F072135807

SPACER RING

	Designation	Height		Art. No.
	Enables the use of standard hinges on thin doors, easy assembly, 2-way stacking, suitable for all Tiomos hinges	1.5		F072135885

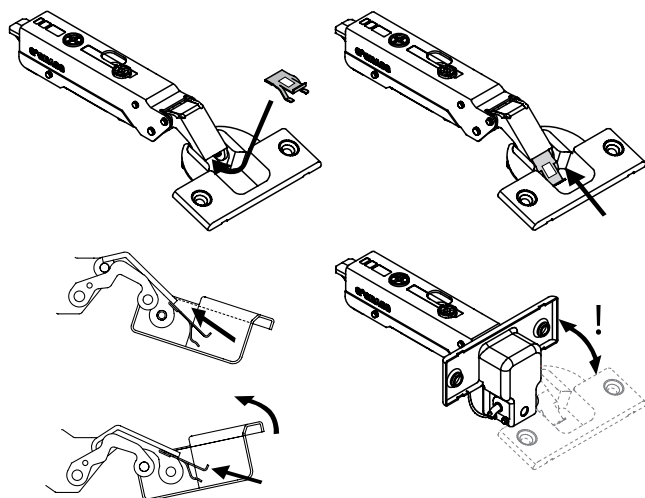
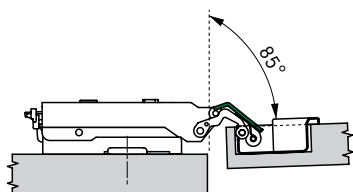
FIXING SCREWS, DOWELS

	Designation			Art. No.
	Steel housing fixing screw for aluminium frame hinge, nickel-plated, M3 x 6 mm	L = 6		F069073405
	Countersunk head wood screw, Night, Ø 3.5 mm	L = 15		F072135961
	Dowel for hinge cup, plastic PA 6.6, L = 13.2 mm (not compatible with 160° wide-angle hinge)	Ø = 8		F072135773
		Ø = 10		F072135798

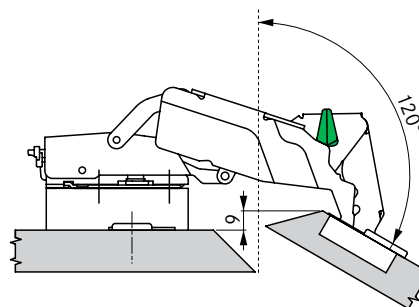
INSTALLATION INSTRUCTIONS

All dimensions in millimetres

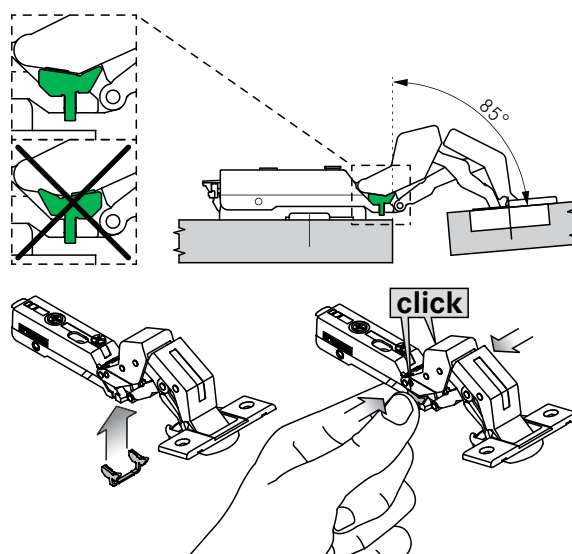
85° opening angle reduction clip



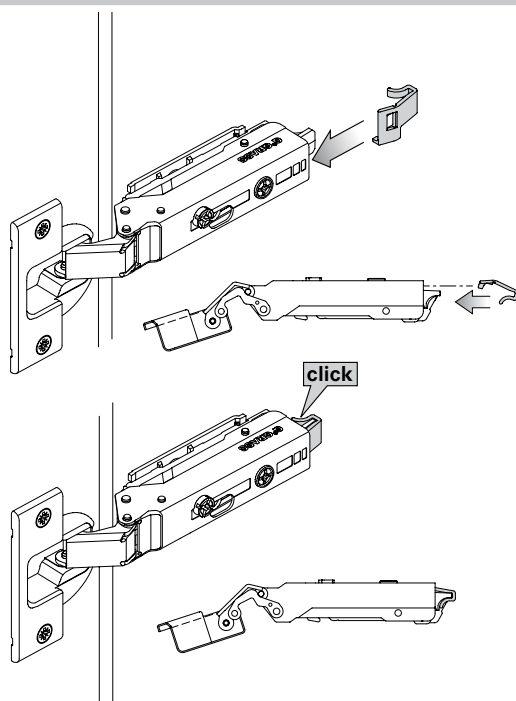
120° opening angle reduction clip



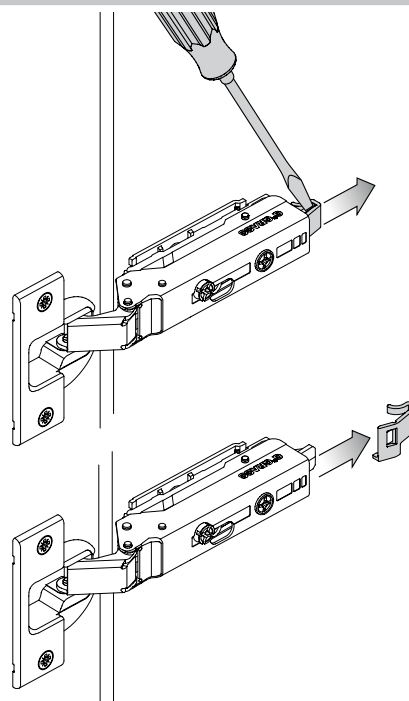
85° opening angle reduction clip for Tiomos M9 and Mirro



Installation of clip-off protection

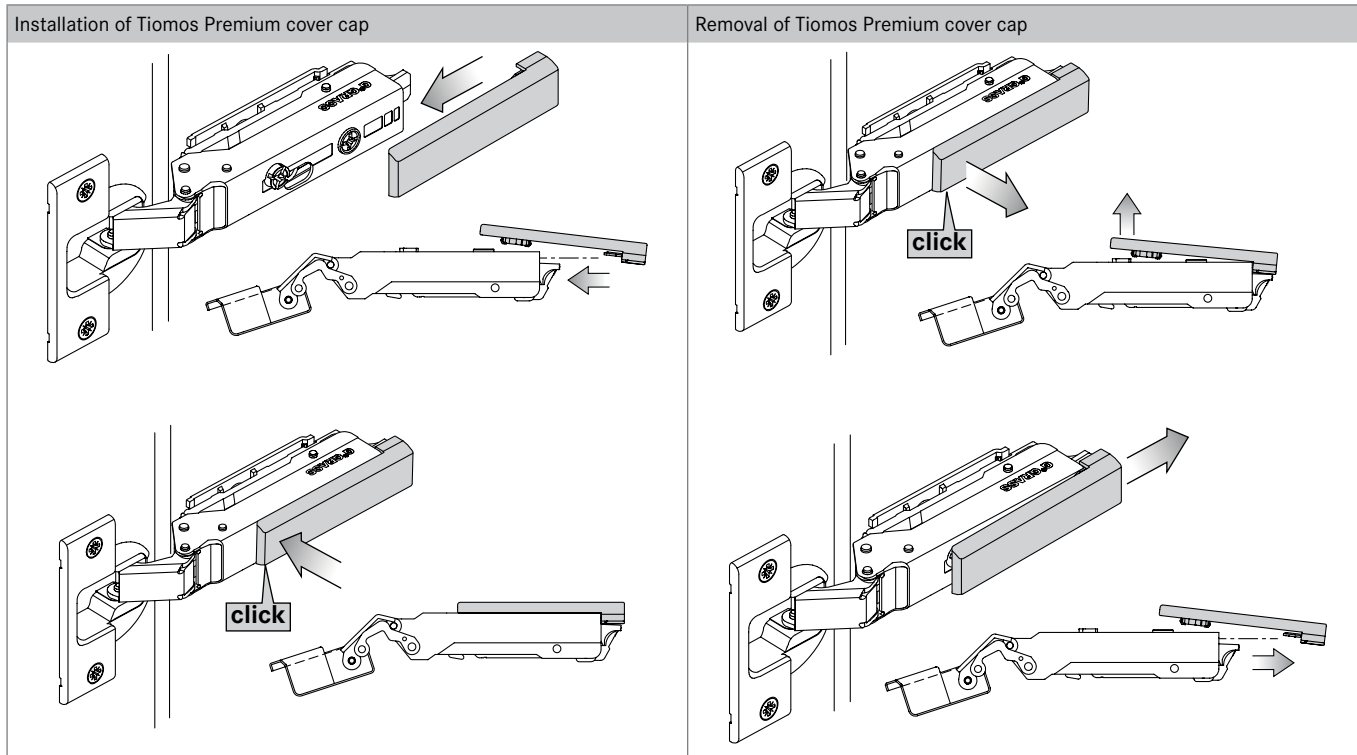


Removal of clip-off protection



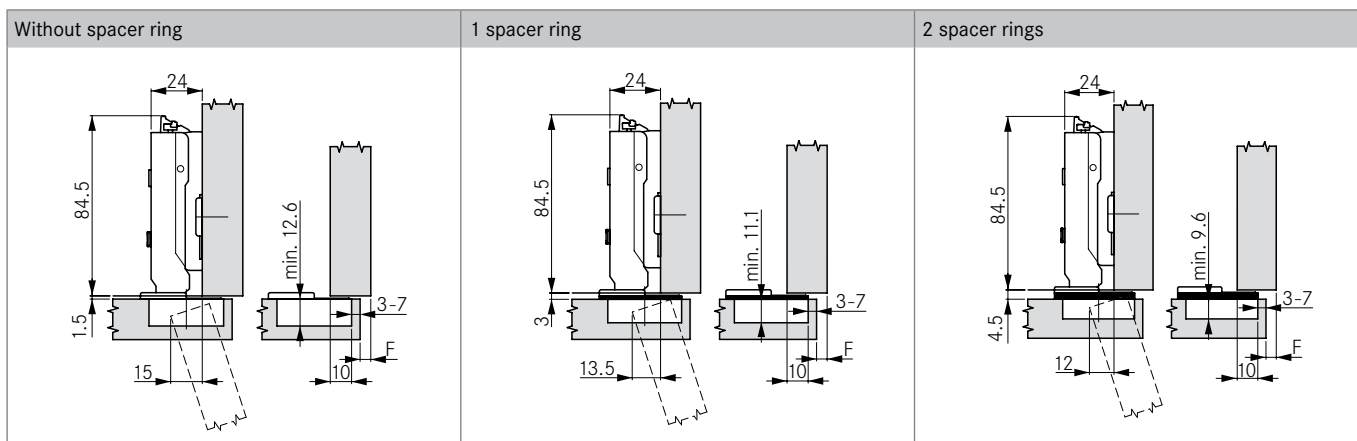
INSTALLATION INSTRUCTIONS

All dimensions in millimetres



PLANNING DIMENSIONS

All dimensions in millimetres



NUMBER OF HINGES PER DOOR

Description

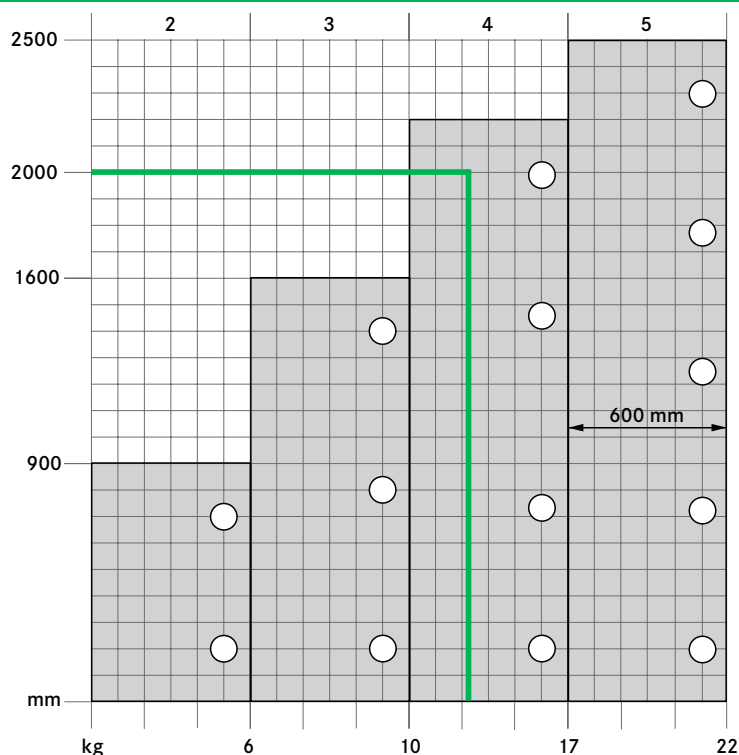
The decisive factors for the number of hinges are the door height, door weight, material quality and cup and mounting plate fixing.

The load and height values are for standard door widths of 600 mm. In case of doubt, the number of hinges must be determined by means of a trial fitting.

For example:

For a door with dimensions 2000 x 600 mm and a weight of 13 kg, it is recommended to use 4 hinges.

The table refers to hinges with and without integrated damper.



NUMBER OF HINGES DEPENDING ON SIZE, WEIGHT AND MATERIAL

Chipboard, raw

Thickness	kg/m ³	kg/m ²	600 x 700	600 x 900	600 x 1000	600 x 1200	600 x 1400	600 x 1600	600 x 1800	600 x 2000	600 x 2200	600 x 2500
16	675	10.80	4.54	5.83	6.48	7.78	9.07	10.37	11.66	12.96	14.26	16.20
19	675	12.83	5.39	6.93	7.70	9.23	10.77	12.31	13.85	15.39	16.93	19.24
22	650	14.30	6.01	7.72	8.58	10.30	12.01	13.73	15.44	17.16	18.88	21.45

Plastic-coated chipboard, raw

Thickness	kg/m ³	kg/m ²	600 x 700	600 x 900	600 x 1000	600 x 1200	600 x 1400	600 x 1600	600 x 1800	600 x 2000	600 x 2200	600 x 2500
16	730	11.68	4.91	6.31	7.01	8.41	9.81	11.21	12.61	14.02	15.42	17.52
19	730	13.87	5.83	7.49	8.32	9.99	11.65	13.32	14.98	16.64	18.31	20.81
22	710	15.62	6.56	8.43	9.37	11.25	13.12	15.00	16.87	18.74	20.62	23.43

Medium-density fibreboard (MDF)

Thickness	kg/m ³	kg/m ²	600 x 700	600 x 900	600 x 1000	600 x 1200	600 x 1400	600 x 1600	600 x 1800	600 x 2000	600 x 2200	600 x 2500
16	740	11.84	4.97	6.39	7.10	8.52	9.95	11.37	12.79	14.21	15.63	17.76
19	740	14.06	5.91	7.59	8.44	10.12	11.81	13.50	15.18	16.87	18.56	21.09
22	710	15.62	6.56	8.43	9.37	11.25	13.12	15.00	16.87	18.74	20.62	23.43

Oak, solid wood

Thickness	kg/m ³	kg/m ²	600 x 700	600 x 900	600 x 1000	600 x 1200	600 x 1400	600 x 1600	600 x 1800	600 x 2000	600 x 2200	600 x 2500
16	870	13.92	5.85	7.52	8.35	10.02	11.69	13.36	15.03	16.70	18.37	20.88
19	870	16.53	6.94	8.93	9.92	11.90	13.89	15.87	17.85	19.84	21.82	24.80
22	870	19.14	8.04	10.34	11.48	13.78	16.08	18.37	20.67	22.97	25.26	28.71

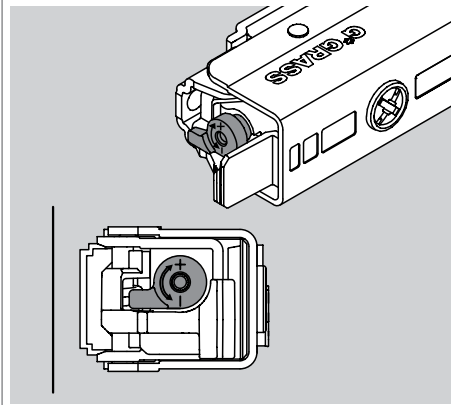
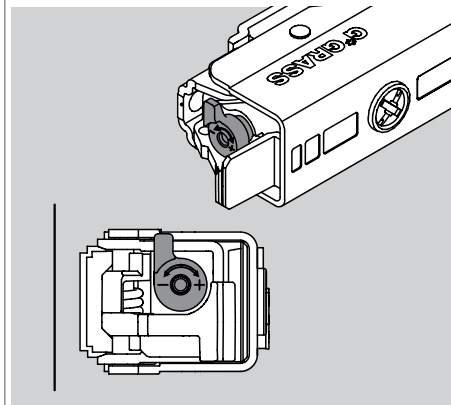
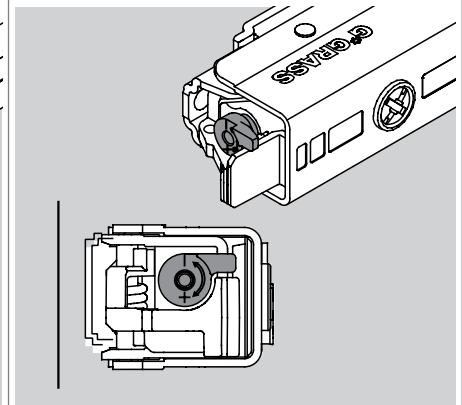
Spruce, solid wood

Thickness	kg/m ³	kg/m ²	600 x 700	600 x 900	600 x 1000	600 x 1200	600 x 1400	600 x 1600	600 x 1800	600 x 2000	600 x 2200	600 x 2500
16	450	7.20	3.02	3.89	4.32	5.18	6.05	6.91	7.78	8.64	9.50	10.80
19	450	8.55	3.59	4.62	5.13	6.16	7.18	8.21	9.23	10.26	11.29	12.83
22	450	9.90	4.16	5.35	5.94	7.13	8.32	9.50	10.69	11.88	13.07	14.85

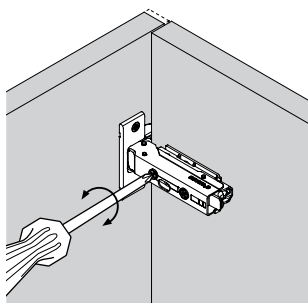
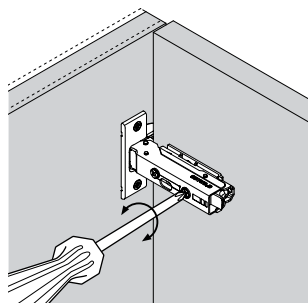
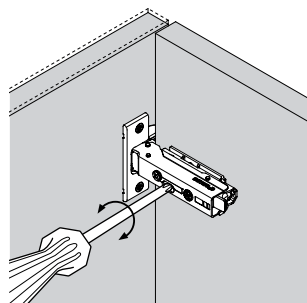
■ = 2 hinges, ■ = 3 hinges, ■ = 4 hinges, ■ = 5 hinges, ■ = 6 hinges

(information not binding, please check individual case)

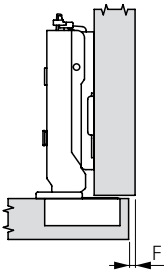
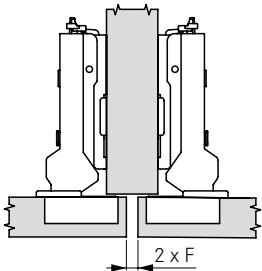
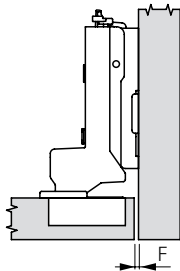
TOOL-FREE DAMPER ADJUSTMENT

Light level	Medium level (factory setting)	Heavy level
		
Adjustment lever points • towards cabinet wall Suitable for: • Small, lightweight doors	Adjustment lever points • downwards with anti-clockwise application or upwards with clockwise application Suitable for: • Standard doors	Adjustment lever points • inside the cabinet Suitable for: • Large, heavy doors
The damping capacity per hinge can be adjusted using the adjustment lever. Depending on the requirements, the damping capacity can therefore be reduced or increased very easily.		

ADJUSTMENTS TO THE DOOR (APPLIES TO ALL TIOMOS HINGES)

Description	Side adjustment with limit stop +/- 2 mm	Convenient depth adjustment via worm screw +3/-2 mm	Height adjustment via mounting plate +/- 2 mm
The possibility of height adjustment depends on the type of mounting plate. All adjustments can be carried out independently of each other. When using a mounting plate with height -2, side adjustment is limited.			

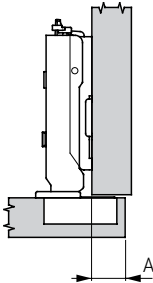
DOOR REVEAL AND MINIMUM REVEAL

Description	Full overlay/door overlay	Half door overlay	Inset door
The reveal is the distance between two doors or between the door and the cabinet side. The minimum reveal (F) is the distance between two doors or between the door and the side wall. The gap allows the door to be opened without any collision.			

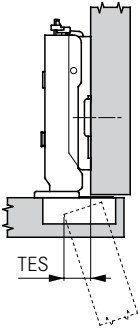
Minimum reveal table							Achievable reveal with inset door						
The required reveal width depends on the door thickness. For example: With a door thickness of 19 mm and a cup distance of 6 mm, a minimum reveal of 0.9 mm is required. Important Reveals were determined with a (door) edge radius of 1 mm. We recommend a trial fitting.							The table shows the reveal that can be achieved with an inset door depending on the cup distance and mounting plate height. For example: With a cup distance of 6 mm and a mounting plate height of 3 mm, there is a reveal of 1 mm. This is also referred to as a negative overlay.						
							Cup distance						
							3	4	5	6	7		
							24	2.4	2.1	2.1	2.1	2.0	
							22	1.6	1.6	1.6	1.5	1.5	
							21	1.4	1.3	1.3	1.3	1.3	
							20	1.1	1.1	1.1	1.5	1.1	
							19	0.9	0.9	0.9	0.9	0.9	
							18	0.7	0.7	0.7	0.7	0.7	
							17	0.6	0.6	0.6	0.6	0.6	
16	0.6	0.6	0.6	0.6	0.6								

Description	Example																																																																					
The minimum gap is the gap between the cabinet face and the door when the door is closed. The gap allows the door to be opened without any collision. The factory setting for the gap is 1.5 mm. The cup distance (TA) is the distance between the door edge and the edge of the cup hole.	With a door thickness of 17 mm and a cup distance of 6 mm, the minimum gap is 1.0 mm.	<table><tr><th rowspan="10">Door thickness</th><th colspan="6">Cup distance</th></tr><tr><th></th><th>3</th><th>4</th><th>5</th><th>6</th><th>7</th></tr><tr><th>24</th><td>1.0</td><td>1.0</td><td>1.0</td><td>1.2</td><td>2.1</td></tr><tr><th>22</th><td>1.0</td><td>1.0</td><td>1.0</td><td>1.0</td><td>1.5</td></tr><tr><th>21</th><td>1.0</td><td>1.0</td><td>1.0</td><td>1.0</td><td>1.2</td></tr><tr><th>20</th><td>1.0</td><td>1.0</td><td>1.0</td><td>1.0</td><td>1.0</td></tr><tr><th>19</th><td>1.0</td><td>1.0</td><td>1.0</td><td>1.0</td><td>1.0</td></tr><tr><th>18</th><td>1.0</td><td>1.0</td><td>1.0</td><td>1.0</td><td>1.0</td></tr><tr><th>17</th><td>1.0</td><td>1.0</td><td>1.0</td><td>1.0</td><td>1.0</td></tr><tr><th>16</th><td>1.0</td><td>1.0</td><td>1.0</td><td>1.0</td><td>1.0</td></tr><tr><th colspan="7">Minimum gap</th></tr></table>	Door thickness	Cup distance							3	4	5	6	7	24	1.0	1.0	1.0	1.2	2.1	22	1.0	1.0	1.0	1.0	1.5	21	1.0	1.0	1.0	1.0	1.2	20	1.0	1.0	1.0	1.0	1.0	19	1.0	1.0	1.0	1.0	1.0	18	1.0	1.0	1.0	1.0	1.0	17	1.0	1.0	1.0	1.0	1.0	16	1.0	1.0	1.0	1.0	1.0	Minimum gap						
Door thickness	Cup distance																																																																					
		3		4	5	6	7																																																															
	24	1.0		1.0	1.0	1.2	2.1																																																															
	22	1.0		1.0	1.0	1.0	1.5																																																															
	21	1.0		1.0	1.0	1.0	1.2																																																															
	20	1.0		1.0	1.0	1.0	1.0																																																															
	19	1.0		1.0	1.0	1.0	1.0																																																															
	18	1.0		1.0	1.0	1.0	1.0																																																															
	17	1.0		1.0	1.0	1.0	1.0																																																															
	16	1.0	1.0	1.0	1.0	1.0																																																																
Minimum gap																																																																						

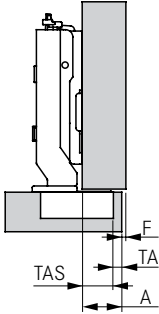
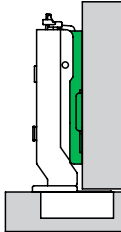
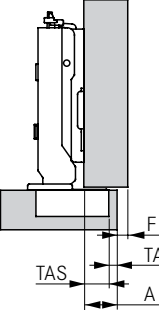
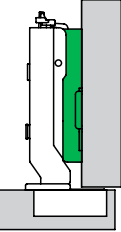
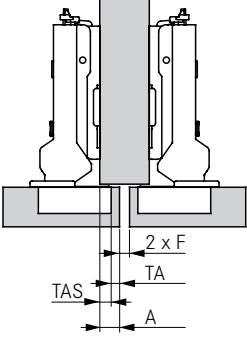
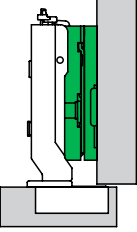
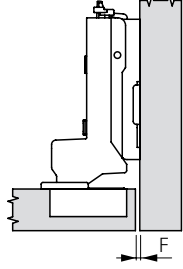
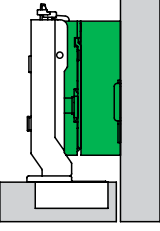
DOOR OVERLAY

Description		Example																																																																																																																							
The door overlay (A) is the part of the side wall or frame that is covered by the door. 		For a hinge with cranking 3, mounting plate height 2 and a cup distance of 4 mm, the door overlay is 14 mm.	<table><tr><th rowspan="2"></th><th colspan="6">Cup distance</th></tr><tr><th>3</th><th>4</th><th>5</th><th>6</th><th>7</th><th></th></tr><tr><td>19.0</td><td></td><td></td><td></td><td></td><td>0</td><td></td></tr><tr><td>18.0</td><td></td><td></td><td></td><td>0</td><td></td><td></td></tr><tr><td>17.0</td><td></td><td></td><td>0</td><td></td><td>2</td><td></td></tr><tr><td>16.5</td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>16.0</td><td></td><td>0</td><td></td><td>2</td><td>3</td><td></td></tr><tr><td>15.5</td><td></td><td></td><td></td><td></td><td>3.5</td><td></td></tr><tr><td>15.0</td><td>0</td><td></td><td>2</td><td>3</td><td></td><td></td></tr><tr><td>14.5</td><td></td><td></td><td></td><td>3.5</td><td></td><td></td></tr><tr><td>14.0</td><td></td><td>2</td><td>3</td><td></td><td></td><td></td></tr><tr><td>13.5</td><td></td><td></td><td>3.5</td><td></td><td></td><td></td></tr><tr><td>13.0</td><td>2</td><td>3</td><td></td><td></td><td></td><td></td></tr><tr><td>12.5</td><td></td><td>3.5</td><td></td><td></td><td></td><td></td></tr><tr><td>12.0</td><td>3</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>11.5</td><td>3.5</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td colspan="7">Mounting plate height</td></tr></table>		Cup distance						3	4	5	6	7		19.0					0		18.0				0			17.0			0		2		16.5							16.0		0		2	3		15.5					3.5		15.0	0		2	3			14.5				3.5			14.0		2	3				13.5			3.5				13.0	2	3					12.5		3.5					12.0	3						11.5	3.5						Mounting plate height						
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Mounting plate height																																																																																																																									

DOOR PROTRUSION

Description	
The door protrusion (TES) is obtained when the door is open and varies depending on the hinge type and application. It is specified in the individual catalogue sheet and relates to the mounting plate specified at the factory setting in each case. It changes when the mounting plate height is changed and the side adjustment is used. 	

OPTION TO CHANGE THE DOOR OVERLAY

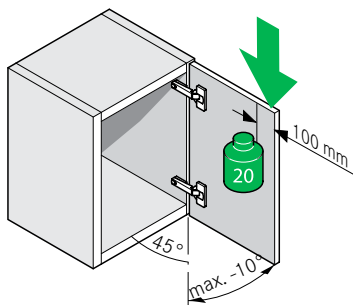
After selecting the cranking	By using a different mounting plate height
Full overlay (cranking 0) The cup overlay (TAS/factory setting) plus cup distance (TA) provides the door overlay (A). The dimensions can be found in the table on the respective catalogue page. 	Full overlay Use of a hinge with cranking 0 and mounting plate height 0. 
Overlay (cranking 3) The cup overlay (TAS/factory setting) plus cup distance (TA) provides the door overlay (A). The dimensions can be found in the table on the respective catalogue page. 	Overlay Use of a hinge with cranking 0 and mounting plate height 3. 
Half overlay (cranking 9.5) The cup overlay (TAS/factory setting) plus cup distance (TA) provides the door overlay (A). The dimensions can be found in the table on the respective catalogue page. 	Half overlay Use of a hinge with cranking 0 and mounting plate height 9.5. 
Inset (cranking 19) There is no door overlay. The minimum reveal (F) between the cabinet side and the door depends on the mounting plate height and the cup distance. The dimensions can be found in the table on the respective catalogue page. 	Inset Use of a hinge with cranking 0 and mounting plate height 21. 

TEST CRITERIA FOR HINGES

Functional test

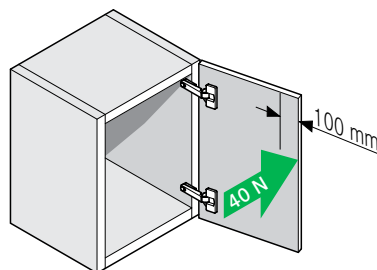
Static load, vertical

Additional load: 20 kg
Opening angle: max. -10°
Number: 10



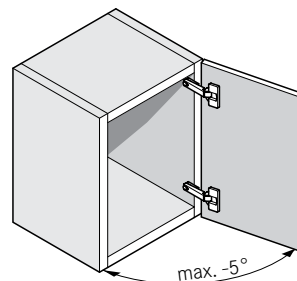
Static load, horizontal

Force: 40 N
Number: 10



Endurance test

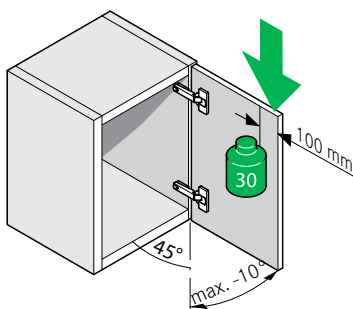
Opening angle: max. -5°
Opening and closing movements: 100,000



Overload test

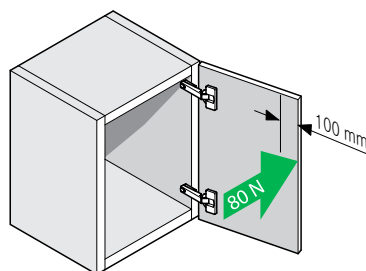
Vertical

Additional load: 30 kg
Opening angle: max. -10°
Number: 10



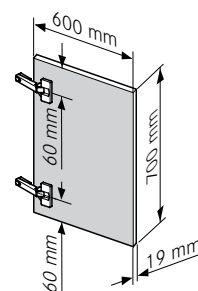
Horizontal

Force: 80 N
Number: 10



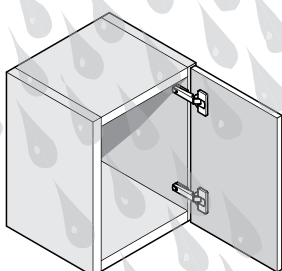
Test door

Weight approx. 5.2 kg



Salt spray and humidity test

Based on DIN ISO 9227 and DIN 6270-2



Tiomos H is the first GRASS hinge to be fully recessed into the cabinet.

**tiomos
hidden.**



Tiomos Hidden realises its full potential and demonstrates its unique features when combined with aluminium frame fronts. Tiomos Hidden does not impair the open, transparent style of the furniture, irrespective of whether the front is open or closed.

**Invi
si
ble.**

**A NEW ERA FOR
FURNITURE DOORS.
HINGE COMFORT
MADE ALMOST
INVISIBLE.**

DISCOVER.

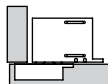
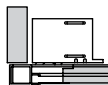
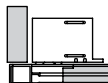
The sleek appearance of the new hinge is a striking feature. Whether with wood or aluminium frame doors, Tiomos H integrates elegantly into the cabinet and emphasises the design of the furniture piece. The range of design options is expanded by the Nickel and Night surfaces as well as the two comfort systems — Soft-close for fronts with handles and Tipmatic Plus for handle-free opening.

Tiomos Hidden

Concealed hinge system

The strength of the concealed hinge system for wooden and aluminium frame doors lies in its invisibility.

Unobtrusive. Elegant. Solid.

Opening angle		Product description	Full overlay	Overlay	Half overlay	Inset	Page
105°		Tiomos H • Concealed hinge system for wooden doors • With integrated damper • 3-dimensional adjustment	–		–	–	82
105°		Tiomos H AL • Concealed hinge system for aluminium frame doors • With integrated damper • 3-dimensional adjustment	–		–	–	84
105°		Tiomos H AL with Schüco aluminium frame • Concealed hinge system for aluminium frame doors • With integrated damper • 3-dimensional adjustment	–		–	–	86

Tipmatic Plus Pin for handle-free opening	90
Assembly technology	225
Assembly aids	230

TIOMOS H

105° hinge



- Inset hinge system concealed in the top and bottom cabinet panels
- No need to machine the cabinet sides
- No space lost in the cabinet due to lateral hinge connections
- Enables modern, open furniture designs, e.g. with intermediate glass walls
- 105° opening angle
- 3-dimensional adjustment
- For door thicknesses from 18 mm
- Surfaces: nickel-plated or Night
- Load capacity up to 17 kg

Available in two versions:

- With integrated damper (Soft-close)
- With self-opening mechanism (Tipmatic Plus)



ORDER INFORMATION

Door overlay			Material	Scope of delivery	Art. No.	
					Soft-close	Tipmatic Plus ¹
Overlay			Zamak, nickel-plated	Tiomos H (2x) Cover cap (2x) Screw set (1x)	F051139126	F051140926
			Zamak, Night	Tiomos H (2x) Cover cap (2x) Screw set (1x)	F051139125	F051140927

¹ Additional Tipmatic Plus Pin required

ACCESSORIES

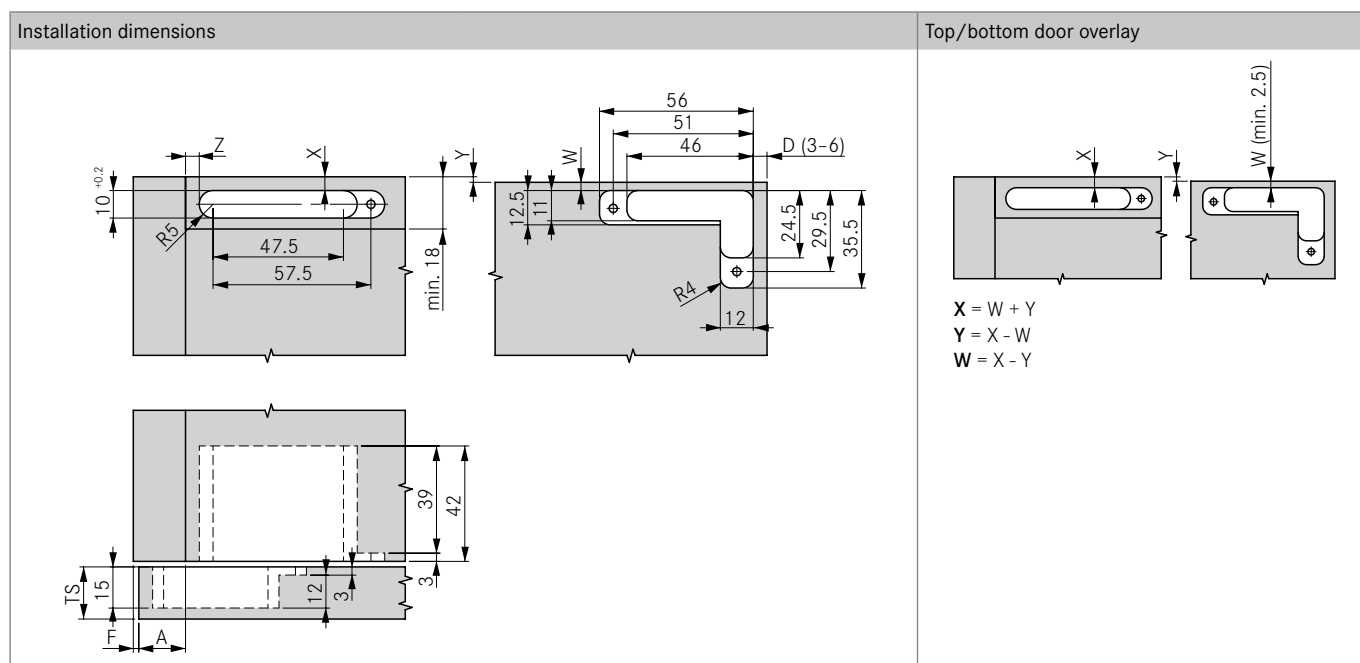
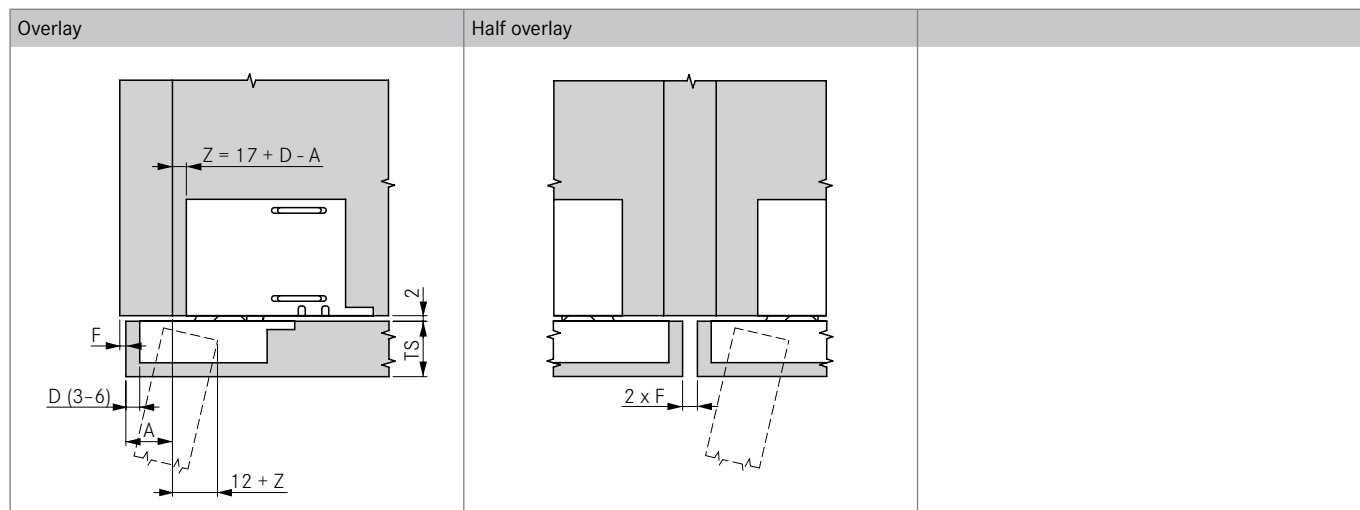
	Designation	Art. No.		Designation	Art. No.
	Tipmatic Plus Pin for handle-free furniture doors, light grey	F069135061			

PAGE REFERENCES

Tipmatic Plus Pin	90
Assembly technology	225
Assembly aids	230

PLANNING DIMENSIONS

All dimensions in millimetres



MINIMUM REVEAL (F)

	D					
	3	4	5	6		
32.0	4.7	4.2	3.9	3.7		
30.0	3.1	2.9	2.8	2.7		
28.0	2.1	2.0	2.0	1.9		
26.0	1.4	1.4	1.3	1.3		
24.0	0.9	0.9	0.8	0.8		
22.0	0.5	0.5	0.5	0.5		
20.0	0.2	0.2	0.2	0.2		
18.0	0.0	0.0	0.0	0.0		
Minimum reveal (F)						

SIDE DOOR OVERLAY

	D					
	3	4	5	6		
23.0				0		
22.0			0	1		
21.0		0	1	2		
20.0	0	1	2	3		
19.0	1	2	3	4		
18.0	2	3	4	5		
17.0	3	4	5	6		
16.0	4	5	6			
15.0	5	6				
14.0	6					
Z ($Z = 17 + D - A$)						

NOTES

For heavy doors up to 17 kg, we recommend a cabinet thickness of at least 22 mm.

TIOMOS H AL

105° hinge



- Inset hinge system concealed in the top and bottom cabinet panels
- No need to machine the cabinet sides
- No space lost in the cabinet due to lateral hinge connections
- Enables modern, open furniture designs, e.g. with intermediate glass walls
- 105° opening angle
- 3-dimensional adjustment
- Surfaces: nickel-plated or Night
- Load capacity up to 17 kg

Available in two versions:

- With integrated damper (Soft-close)
- With self-opening mechanism (Tipmatic Plus)



ORDER INFORMATION

Door overlay			Material	Scope of delivery	Art. No.	
					Soft-close	Tipmatic Plus ¹
Overlay			Zamak, nickel-plated	Tiomos H AL (2x), corner connector (4x), cover cap (2x), screw set (1x)	F051139128	F051140924
			Zamak, Night	Tiomos H AL (2x), corner connector (4x), cover cap (2x), screw set (1x)	F051139148	F051140925

¹ Additional Tipmatic Plus Pin required

ALUMINIUM FRAME

	Designation	Art. No.
	Tiomos H AL aluminium profile, 3000 mm, peltro (anodised tin colour), incl. seal	F051139127
	Tiomos H AL aluminium pull, 120 mm, peltro (anodised tin colour)	F072135955

ACCESSORIES

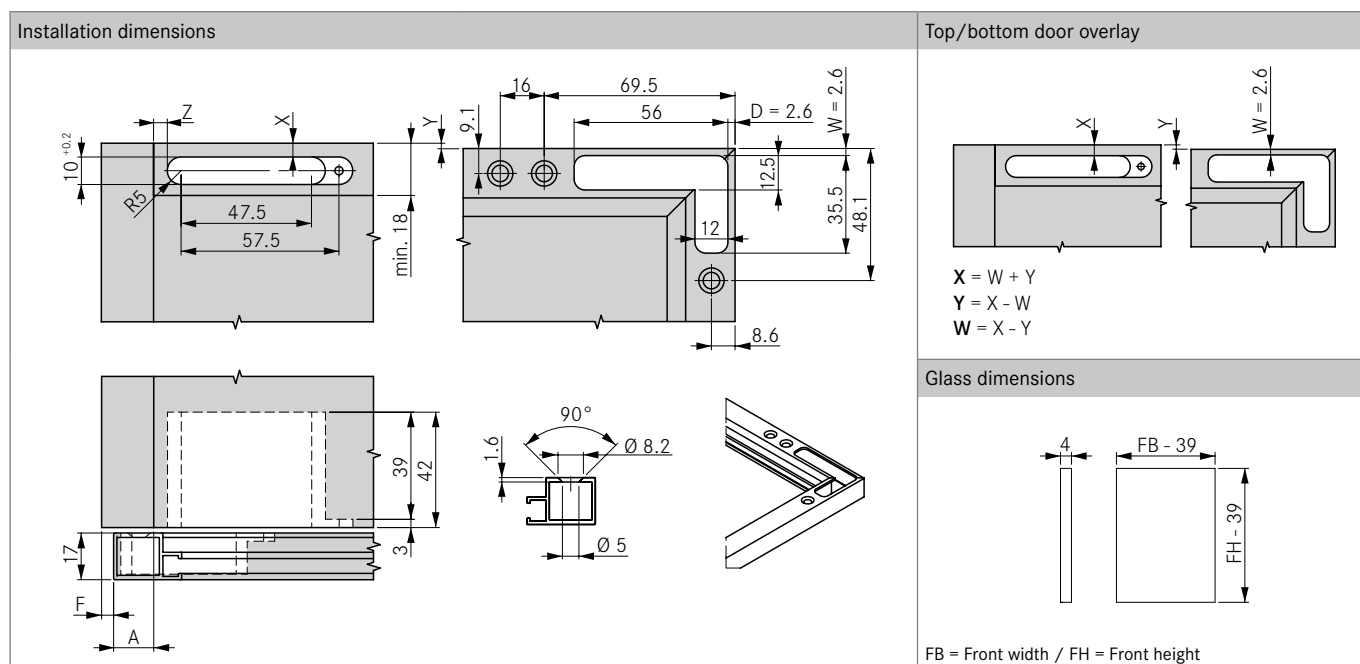
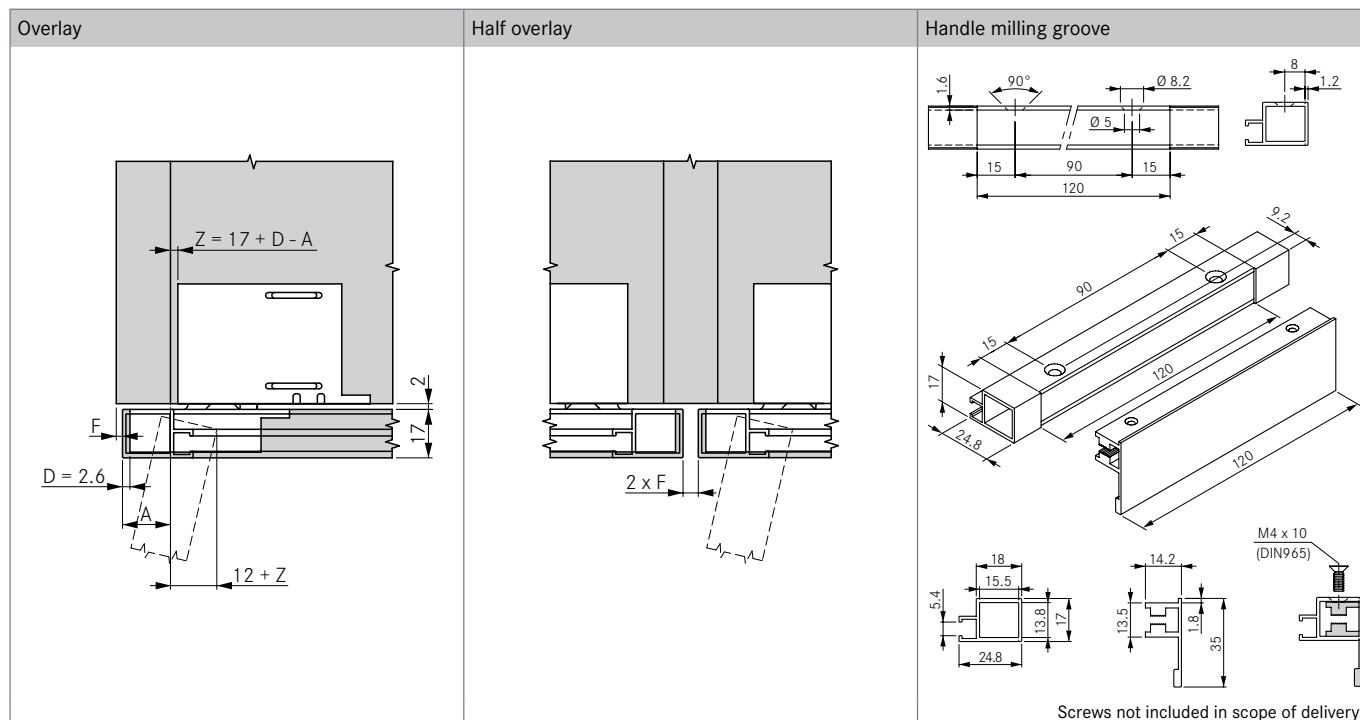
	Designation	Art. No.		Designation	Art. No.
	Tipmatic Plus Pin for handle-free furniture doors, light grey	F069135061			
	Countersunk head screw, M4 x 10 mm, PH, Night	F072135967			

PAGE REFERENCES

Tipmatic Plus Pin	90				
Assembly technology	225				
Assembly aids	230				

PLANNING DIMENSIONS

All dimensions in millimetres



MINIMUM REVEAL (F)

	D					
	2.6					
32.0	4.7					
30.0	3.1					
28.0	2.1					
26.0	1.4					
24.0	0.9					
22.0	0.5					
20.0	0.2					
18.0	0.0					
Minimum reveal (F)						

SIDE DOOR OVERLAY

	D					
	2.6					
17.0	2.6					
16.0	3.6					
15.0	4.6					
14.0	5.6					
13.0	6.6					
12.0	7.6					
11.0	8.6					
Z (Z = 17 + D - A)						

NOTES

For heavy doors up to 17 kg, we recommend a cabinet thickness of at least 22 mm.

TIOMOS H AL

105° hinge with Schüco aluminium frame



- Inset hinge system concealed in the top and bottom cabinet panels
- No need to machine the cabinet sides
- No space lost in the cabinet due to lateral hinge connections
- Enables modern, open furniture designs, e.g. with intermediate glass walls
- For cabinet panel thicknesses from 18 mm
- 105° opening angle
- 3-dimensional adjustment
- Surfaces: nickel-plated or Night

- Load capacity up to 17 kg
- In combination with Schüco aluminium profile (see below)

Available in two versions:

- With integrated damper (Soft-close)
- With self-opening mechanism (Tipmatic Plus)

ORDER INFORMATION

Door overlay			Material	Scope of delivery	Art. No.	
					Soft-close	Tipmatic Plus ¹
Overlay			Zamak, nickel-plated	Tiomos H AL (2x), hinge corner connector (2x), corner connector (2x), cover cap (2x) screw set (1x)	F051140898	F051140896
			Zamak, Night	Tiomos H AL (2x), hinge corner connector (2x), corner connector (2x), cover cap (2x) screw set (1x)	F051140897	F051140895

¹ Additional Tipmatic Plus Pin required

ALUMINIUM FRAME AND ACCESSORIES

	Designation	Colour	Schüco Art. No.
	Schüco aluminium profile for Tiomos H AL, 5000 mm	Stainless steel	980037.64.00
		Black	980037.65.00
		Inox	980037.67.00
	Rattle protection for Schüco aluminium profile		532917.00.00

Note: Aluminium frames and accessories can be ordered from the distributor, quoting the respective Schüco article number. The distributor also supplies precisely dimensioned prefabricated glass aluminium frames.

ACCESSORIES

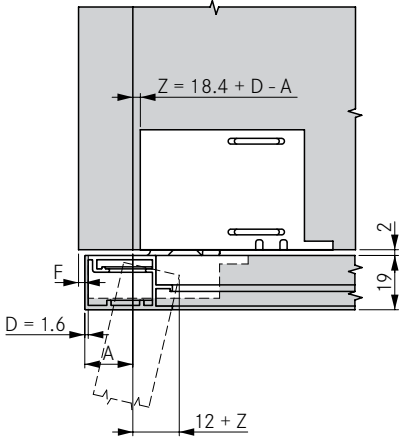
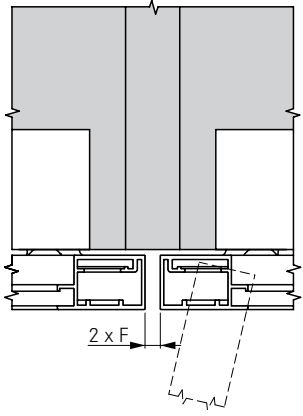
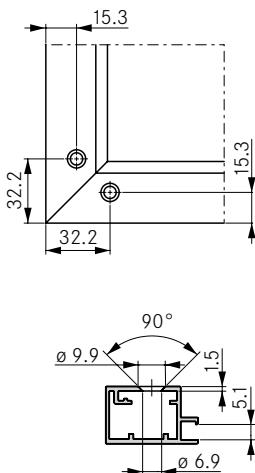
	Designation	Art. No.		Designation	Art. No.
	Tipmatic Plus Pin for handle-free furniture doors, light grey	F069135061		Countersunk head screw, M4 x 10 mm, PH, Night	F072135967

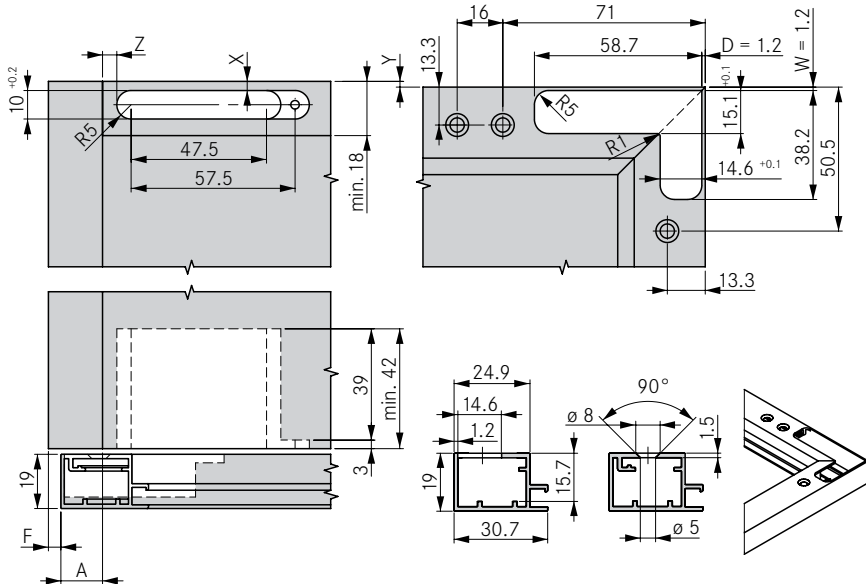
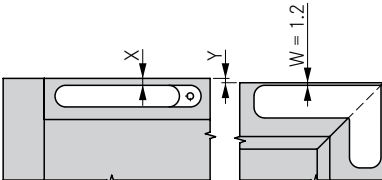
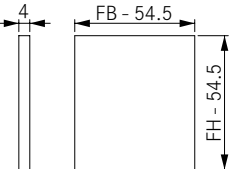
PAGE REFERENCES

Tipmatic Plus Pin	90
Assembly technology	225
Assembly aids	230

PLANNING DIMENSIONS

All dimensions in millimetres

Overlay	Half overlay	Drilling position for aluminium frame corner connector
 Minimum reveal (F) = 0.2		Countersunk screw M5 x 8 mm 

Installation dimensions	Top/bottom door overlay
Countersunk screw M4 x 10 mm  All dimensions without tolerance ± 0.1 / minimum reveal (F) = 0.2	Top/bottom door overlay  $X = W + Y + 1.4$ $Y = X - W - 1.4$ $W = X - Y - 1.4$ Glass dimensions  FB = Front width / FH = Front height

SIDE DOOR OVERLAY

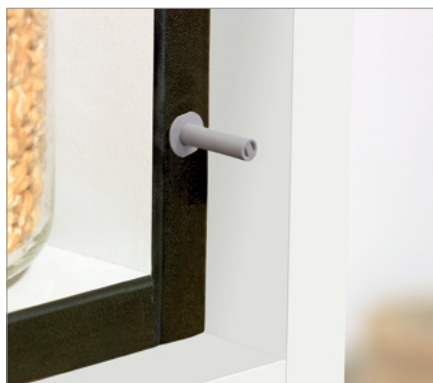
NOTES

	D				
	1.2				
17.0	2.6				
16.0	3.6				
15.0	4.6				
14.0	5.6				
13.0	6.6				
12.0	7.6				
11.0	8.6				
Z (Z = 18.4 + D - A)					

For heavy doors up to 17 kg, we recommend a cabinet thickness of at least 22 mm.

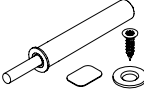
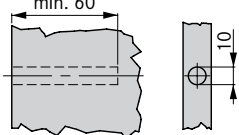
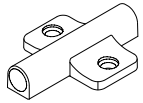
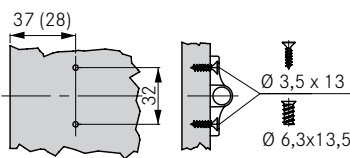
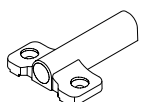
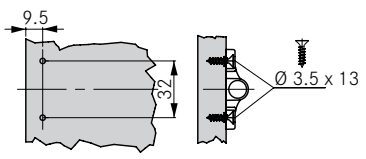
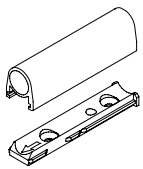
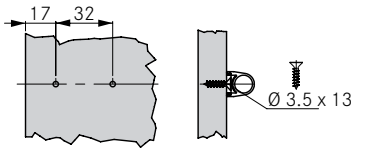
TIPMATIC

For handle-free wooden/aluminium frame doors and glass/mirror doors



- The doors open with a comfortable opening angle by lightly tapping the front
- All hinges without self-closing mechanism can be used
- Large magnet catch area – reliable door closing
- Front gap compensation from 2.5 to 5.5 mm through integrated, self-locking and tool-free depth adjustment.
- Installation in the cabinet face or with adapter plate

ORDER INFORMATION

Tipmatic Pin	For drilling	Colour	Art. No.
• Drill edge cover 1 mm • Drill hole on face • Plastic: platinum grey (RAL 7036)/black (RAL 9005) • Includes adhesive plate, screw-on plate and screw 		Platinum grey (RAL 7036)	F069135396
		Black (RAL 9005)	F069135338
Line hole adapter plate	For screw fitting	Art. No.	
• Suitable for hole distance 28 and 37 mm • Fixing with special Euro screws (Ø 6.3 x 13.5 mm) or chipboard screws (Ø 3.5 x 13 mm) • Plastic RAL 7035, light grey 		F069063310	
Frame adapter plate	For screw fitting	Art. No.	
• For quick retrofitting • Fixing with chipboard screws (Ø 3.5 x 13 mm) • Plastic RAL 7035, light grey 		F069073697	
Linear adapter plate	For screw fitting	Art. No.	
• Design solution – also for inset doors • Fixing with chipboard screws (Ø 3.5 x 13 mm) • Plastic RAL 7035, light grey 		F069073696	

PAGE REFERENCES

Tiomos	8
Tiomos M series	47
Tiomos H	81

Installation instructions	92

PLANNING AND INSTALLATION INSTRUCTIONS

Tipmatic Pin Counter plate For screw fitting Ø 15 For gluing 10 x 7 max. 2 (S 16) max. 3 (S 19) Front-side installation	Line hole adapter plate For hole distance 37 mm For hole distance 28 mm Counter plate For screw fitting Ø 15 For gluing 10 x 7 Installation with adapter plates
Linear adapter plate, inset Counter plate For screw fitting Ø 15 For gluing 10 x 7 Installation with adapter plates	Linear adapter plate, overlay Counter plate For screw fitting Ø 15 For gluing 10 x 7 Installation with adapter plates
Frame adapter plate Counter plate For screw fitting Ø 15 For gluing 10 x 7 Installation with adapter plates	

LEGEND

F	Reveal
S	Cabinet side wall
TS	Door thickness

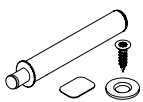
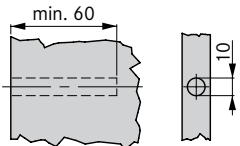
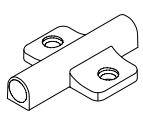
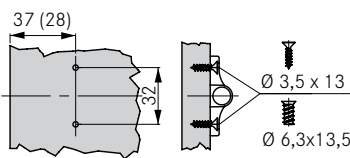
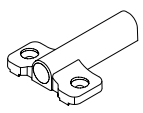
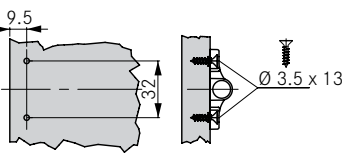
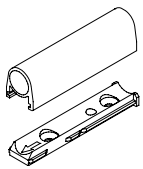
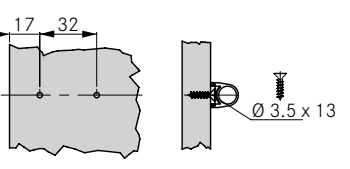
TIPMATIC PLUS

For handle-free furniture doors



- The doors open with a comfortable opening angle by lightly tapping the front
- All hinges with self-opening mechanism can be used
- Large magnet catch area – reliable door closing
- Installation in the cabinet face or with adapter plate

ORDER INFORMATION

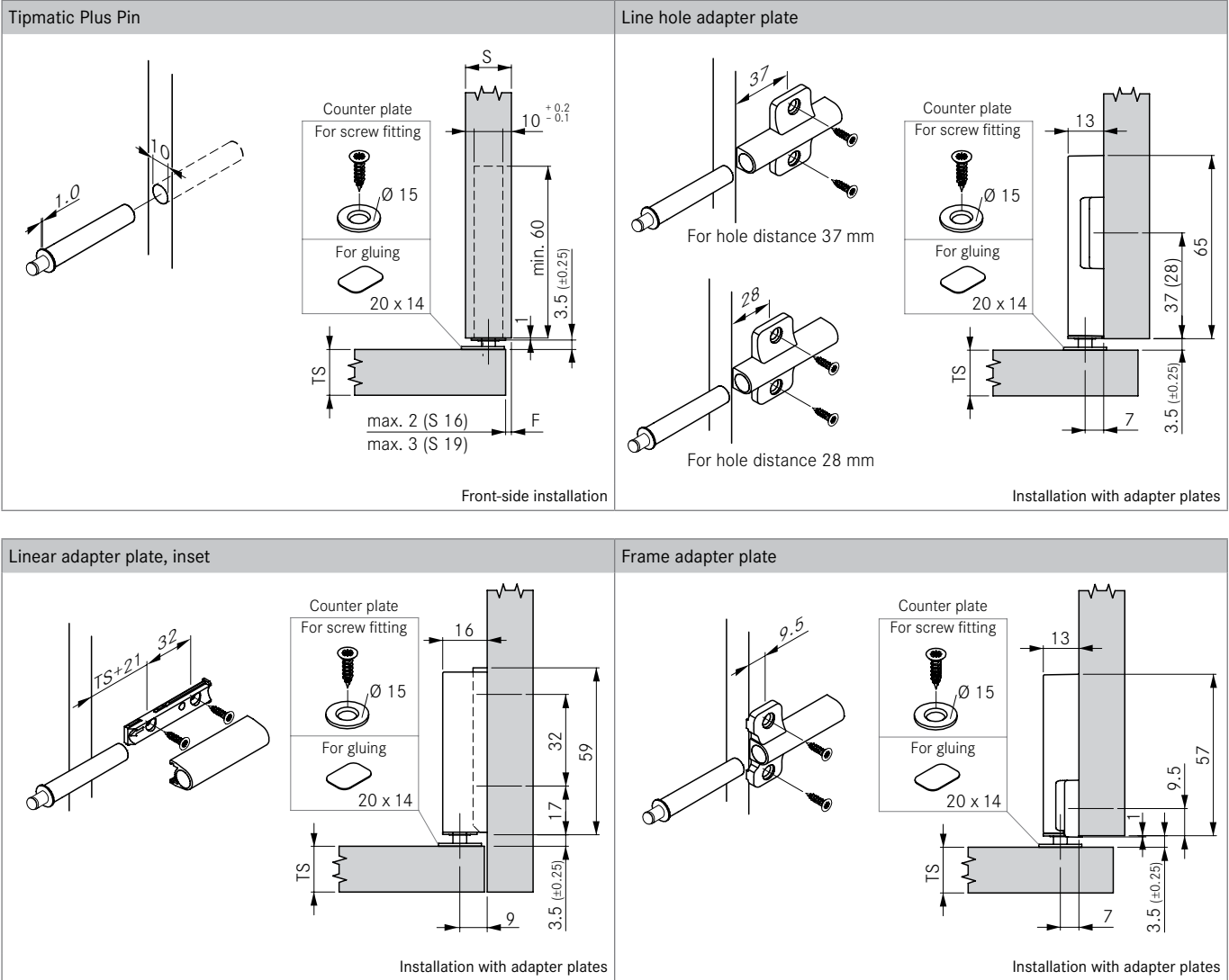
Tipmatic Plus Pin	For drilling	Art. No.
• Drill edge cover 1 mm • Drill hole on face • Plastic RAL 7035, light grey • Includes adhesive plate, screw-on plate and screw 		F069135061
Line hole adapter plate	For screw fitting	Art. No.
• Suitable for hole distance 28 and 37 mm • Fixing with special Euro screws (Ø 6.3 x 13.5 mm) or chipboard screws (Ø 3.5 x 13 mm) • Plastic RAL 7035, light grey 		F069063310
Frame adapter plate	For screw fitting	Art. No.
• With positioning aid for quick retrofitting • Fixing with chipboard screws (Ø 3.5 x 13 mm) • Plastic RAL 7035, light grey 		F069073697
Linear adapter plate	For screw fitting	Art. No.
• Design solution – also for inset doors • Fixing with chipboard screws (Ø 3.5 x 13 mm) • Plastic RAL 7035, light grey 		F069073696

PAGE REFERENCES

Tiomos	8
Tiomos M series	47
Tiomos H	81

Installation instructions	92

PLANNING AND INSTALLATION INSTRUCTIONS



NOTE

Before applying the counter plate, make sure that the surface is clean, dry and free of grease.

LEGEND

F	Reveal
S	Cabinet side wall
TS	Door thickness

TIPMATIC

Installation instructions

INSTALLATION INSTRUCTIONS

All dimensions in millimetres

Recommended positions

Position in the upper corner opposite the hinge in the base cabinet

Position in the lower corner opposite the hinge in the upper cabinet

General note on installation position:

The Tipmatic element is mounted opposite the hinge, either via a face-side hole in the furniture cabinet or using our adapter plates, which are available in different versions.

Front gap compensation (Tipmatic Pin)

Front gap compensation with integrated, tool-free depth adjustment:

The front gap can be adjusted with the Tipmatic drawer.

PAGE REFERENCES

Tipmatic	88				
Tipmatic Plus	90				

LEGEND

EB	Shelf
FSA	Front gap compensation
KOB	Cabinet top panel
KV	Cabinet front edge

SK Drawer

The versatile Nexis hinge system **offers everything you need to move your doors.**

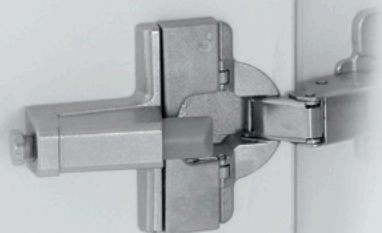
nexis series.



The Nexis series offers a wide range of options for different door applications in kitchen, bathroom and living room furniture.

Comfort is a question of technology:

Soft-close – the unique hinge damping system gently slows down the movement and closes the furniture door softly and quietly. Convenient, quiet and can be retrofitted.



FOLLOW US



grass.eu

Nexis hinge systems.
Functional in application and fully reliable in daily use.

Motion Design
Made in Germany.



Nexis

Hinge systems

The versatile NEXIS hinge system offers everything you need to move your doors. Finely tuned movement systems featuring top quality workmanship, functionality and operating comfort.



Nexis Impresso

97

Hinges for tool-free quick-mounting.
With Click-on technology.



Nexis Click-on

112

Quick-mounting hinges with tool-free
Click-on technology on the cabinet side.



Nexis Slide-on

175

Hinges with classic Slide-on technology.
Reliability for continuous daily use.

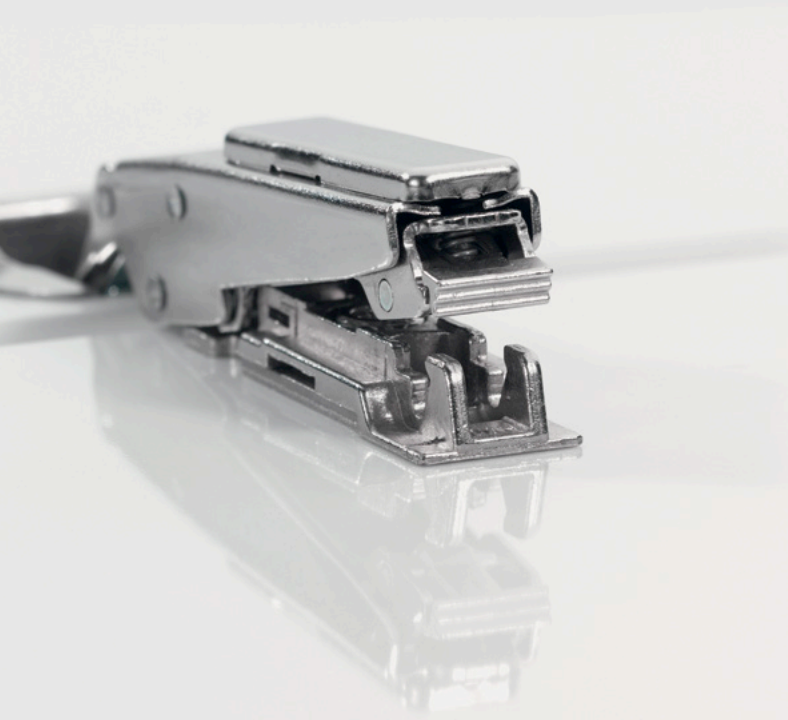
Functional hinges
for fast, tool-free
installation.

nexis impresso.

grass.eu



FOLLOW US



The proven Click-on technology in the hinge arm forms a solid base for fastening the Impresso hinges to the cabinet without the need for any tools. Simply press with a finger and the hinge will lock into place on the mounting plate with an audible "click". The hinge can be detached from the Click-on mounting plate simply by unlocking it.

Nexis Impresso.
The hinge cup of the
Nexis Impresso fits
tightly and securely
in door materials.

Nexis Impresso

Hinge systems

Tool-free quick-mounting system for a wide range of door applications.

Opening angle		Product description	Full overlay	Half overlay	Inset	Page
100°		Nexis Impresso 04 - Optimal reveal for door thicknesses up to 24 mm - Also suitable for soft-formed doors - Compatible with Soft-close				98
110°		Nexis Impresso 22 - Cup depth 11.5 mm - Also suitable for soft-formed doors - Compatible with Soft-close			–	100
125°		Nexis Impresso 29 - Convenient access to unit - Compatible with Soft-close		–	–	102
170°		Nexis Impresso 65 - Also suitable for soft-formed doors - Zero protrusion - Compatible with Soft-close		–	–	104

Nexis Impresso mounting plates	146
Accessories (cover caps, opening angle reduction clip)	154
Technical information	156
Soft-close damping system	106
Tipmatic Pin for handle-free opening	168
Assembly technology	225
Assembly aids	230

NEXIS IMPRESSO 04

100° hinge (door thicknesses up to 24 mm)



- 100° opening angle
- Optimal reveal for doors up to 24 mm thick
- Compatible with Soft-close
- With shallow cup depth (11.5 mm), also suitable for soft-formed doors
- 3-dimensional adjustment with corresponding mounting plate

ORDER INFORMATION

Door overlay		Material		Cranking	With spring	Art. No.	
		Cup	Arm			Impresso tool-free	
Full overlay		Zamak, nickel-plated	Steel, nickel-plated	0	■	F014072504	
Half overlay		Zamak, nickel-plated	Steel, nickel-plated	8	■	F014072567	
Inset		Zamak, nickel-plated	Steel, nickel-plated	15	■	F014072507	

COVER CAPS

	Designation	Cranking	Imprinted/embossed	Art. No.
	Hinge arm cover cap, steel, short, nickel-plated, not imprinted, compatible with Soft-close	-2/0	On request	F069073570
	Hinge arm cover cap, steel, open, nickel-plated, not imprinted, compatible with Soft-close	8/15	On request	F069073669

ACCESSORIES

	Designation	Art. No.		Designation	Art. No.
	Soft-close Pin	F069066528			
	Soft-close Impresso set	F069073728			

PAGE REFERENCES

Nexis Impresso mounting plates	146	Soft-close	106		
Accessories	154	Assembly technology	225		
Technical information	156	Assembly aids	230		

PLANNING DIMENSIONS

All dimensions in millimetres

Full overlay K0

Mounting plate height 2

	Cup distance					
	4	5	6			
0						
19			0			
18		0				
17	0		2			
16		2	3			
15	2	3	4			
14	3	4				
13	4					

Mounting plate height

Half overlay K8

Mounting plate height 2

	Cup distance					
	4	5	6			
8						
11			0			
10		0				
9	0		2			
8		2	3			
7	2	3	4			
6	3	4				
5	4					

Mounting plate height

Inset K15

Mounting plate height 4

	Cup distance					
	4	5	6			
15						
0	2	3	4			
1	3	4				
2	4					

Mounting plate height

MINIMUM GAP

Door thickness		Cup distance				
		4	5	6		
	16	0.7	0.7	0.7		
	18	0.7	0.7	0.7		
	19	0.7	0.7	0.7		
	20	0.7	0.7	0.7		
	22	0.7	0.7	0.8		
	24	0.7	0.7	1.1		
Minimum gap						

MINIMUM REVEAL

Door thickness		Cup distance					
		4	5	6			
	16	0.6	0.6	0.6			
	18	0.9	0.9	0.9			
	19	1.1	1.1	1.1			
	20	1.4	1.4	1.4			
	22	1.9	1.9	1.9			
	24	2.5	2.5	2.5			
		Minimum reveal (F)					

NOTES

The minimum gap is the clearance required between the front edge of the cabinet and the closed door so that the door can be opened without hindrance.

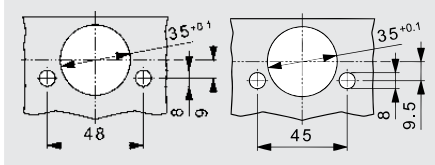
Important: Reveals were determined with a (door) edge radius of 1 mm.

Hinge dimensions and reveal calculation with factory setting.

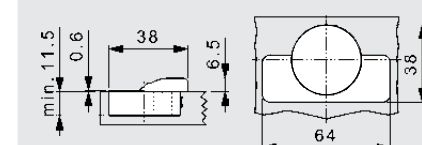
We recommend a trial fitting.

DRILLING PATTERNS

Combination drilling pattern 48/9 and 45/9.5



CUP DIMENSIONS



NEXIS IMPRESSO 22

110° hinge (door thicknesses up to 20 mm)



- 110° opening angle
- Compatible with Soft-close
- With shallow cup depth (11.5 mm), also suitable for soft-formed doors
- Suitable for all standard doors up to 20 mm door thickness
- 3-dimensional adjustment with corresponding mounting plate

Available in two versions:

- With self-closing mechanism (spring)
- Without self-closing mechanism (spring) for the use of Tipmatic

ORDER INFORMATION

Door overlay		Material		Cranking	With spring	Art. No.	
		Cup	Arm			Impresso tool-free	
Full overlay		Zamak, nickel-plated	Steel, nickel-plated	0	■	F014072520	
Half overlay		Zamak, nickel-plated	Steel, nickel-plated	8	■	F014072522	
					–	–	

COVER CAPS

	Designation	Cranking	Imprinted/embossed	Art. No.
	Hinge arm cover cap, steel, short, nickel-plated, not imprinted, compatible with Soft-close	0	On request	F069073570
	Hinge arm cover cap, steel, open, nickel-plated, not imprinted, compatible with Soft-close	8	On request	F069073669

ACCESSORIES

	Designation	Art. No.		Designation	Art. No.
	Soft-close Pin	F069066528		Tipmatic Pin for wooden and aluminium frame doors, platinum grey	F069135396
	Soft-close Impresso set	F069073728		Tipmatic Plus Pin for handle-free furniture doors, light grey	F069135061

PAGE REFERENCES

Nexis Impresso mounting plates	146	Soft-close	106	Assembly aids	230
Accessories	154	Tipmatic	168		
Technical information	156	Assembly technology	225		

PLANNING DIMENSIONS

All dimensions in millimetres

Full overlay		K0	Half overlay		K8
Door overlay	0	Cup distance	8	Cup distance	
	20	4 5 6 7	12	4 5 6 7	
	19		11		
	18		10		
	17	0	9	0	
	16		8		
	15	2	7	2	
	14	3	6	3	
	13	4	5	4	
Mounting plate height			Mounting plate height		

MINIMUM GAP

Door thickness	Cup distance					
	4	5	6	7		
	16	0.7	1.6	2.6	3.6	
	18	1.2	2.2	3.2	4.2	
	19	1.5	2.5	3.5	4.5	
	20	1.8	2.8	3.8	4.8	
	22	2.4	3.4	4.4	5.4	
	Minimum gap					

MINIMUM REVEAL

Door thickness	Cup distance					
	4	5	6	7		
	16	0.5	0.5	0.5	0.5	
	18	1.0	1.0	1.0	1.0	
	19	1.2	1.2	1.2	1.2	
	20	1.5	1.5	1.5	1.5	
	22	3.7	2.8	2.1	2.1	
	Minimum reveal (F)					

NOTES

The minimum gap is the clearance required between the front edge of the cabinet and the closed door so that the door can be opened without hindrance.

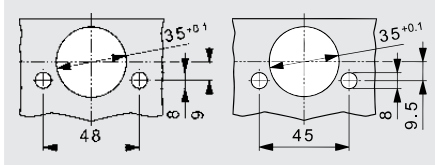
Important: Reveals were determined with a (door) edge radius of 1 mm.

Hinge dimensions and reveal calculation with factory setting.

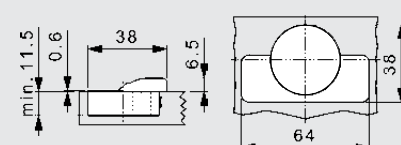
We recommend a trial fitting.

DRILLING PATTERNS

Combination drilling pattern 48/9 and 45/9.5



CUP DIMENSIONS



NEXIS IMPRESSO 29

125° hinge (door thicknesses up to 19 mm)



- 125° opening angle
- Compatible with Soft-close
- Optimal reveal for doors up to 19 mm thick
- With self-closing mechanism (spring)
- 3-dimensional adjustment with corresponding mounting plate

ORDER INFORMATION

Door overlay		Material		Cranking	With spring	Art. No.	
		Cup	Arm			Impresso tool-free	
Full overlay		Zamak, nickel-plated	Steel, nickel-plated	0	■	F014072524	

COVER CAPS

	Designation	Cranking	Imprinted/embossed	Art. No.
	Hinge arm cover cap, steel, short, nickel-plated, not imprinted, compatible with Soft-close	0	On request	F069073570
	Hinge arm cover cap, steel, open, nickel-plated, not imprinted, compatible with Soft-close	8	On request	F069073669

ACCESSORIES

	Designation	Art. No.		Designation	Art. No.
	Soft-close Pin	F069066528			
	Soft-close Impresso set	F069073728			

PAGE REFERENCES

Nexis Impresso mounting plates	146	Soft-close	106	Assembly aids	230
Accessories	154	Tipmatic	168		
Technical information	156	Assembly technology	225		

PLANNING DIMENSIONS

All dimensions in millimetres

Full overlay

K0

Technical drawing of a full overlay hinge system. The drawing shows two views: a side view and a front view. The side view shows a door with a hinge and a mounting plate. Dimensions include 22 (width of the mounting plate), 64 (height of the mounting plate), 12 (width of the door), and 11 (width of the hinge). The front view shows the hinge and mounting plate with dimensions 4-6 (width of the hinge) and F (width of the door). The text 'Mounting plate height 2' is written below the drawing.

Mounting plate height 2

Door overlay	Cup distance					
	0	4	5	6		
	19			0		
	18		0			
	17	0		2		
	16		2	3		
	15	2	3	4		
	14	3	4			
	13	4				
Mounting plate height						

MINIMUM GAP

Door thickness	Cup distance					
		4	5	6		
	16	1.0	1.8	2.6		
	18	2.1	2.9	3.7		
	19	2.7	3.5	4.3		
	20	3.2	4.0	4.8		
Minimum gap						

MINIMUM REVEAL

Door thickness	Cup distance					
		4	5	6		
	16	1.9	1.9	1.9		
	18	2.6	2.5	2.5		
	19	3.6	3.0	2.9		
	20	5.5	4.5	3.5		
Minimum reveal (F)						

NOTES

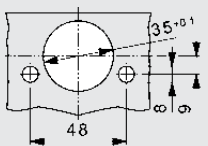
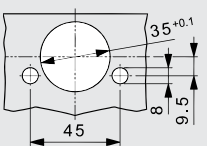
The minimum gap is the clearance required between the front edge of the cabinet and the closed door so that the door can be opened without hindrance.

Important: Reveals were determined with a (door) edge radius of 1 mm.

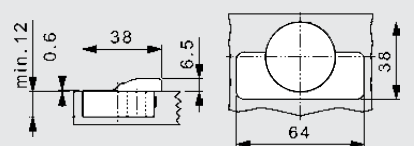
Hinge dimensions and reveal calculation with factory setting.

We recommend a trial fitting.

DRILLING PATTERNS

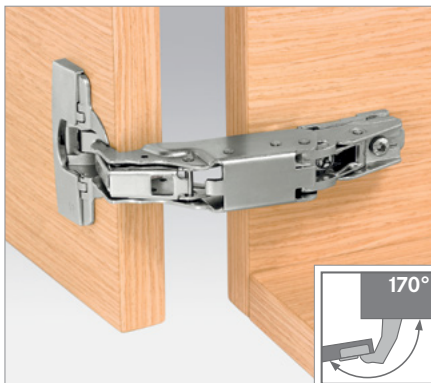
Combination drilling pattern 48/9 and 45/9.5	
	

CUP DIMENSIONS



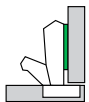
NEXIS IMPRESSO 65

170° wide-angle hinge (door thicknesses up to 26 mm)



- 170° opening angle
- Compatible with Soft-close
- Optimal reveal for doors up to 26 mm thick
- With shallow cup depth (11 mm), also suitable for soft-formed doors
- Zero protrusion with door open at 90°
- Finger guard
- 3-dimensional adjustment with corresponding mounting plate

ORDER INFORMATION

Door overlay		Material		Cranking	With spring	Art. No.	
		Cup	Arm			Impresso tool-free	
Full overlay		Zamak, nickel-plated	Zamak, nickel-plated	0	■	F014072530	

ACCESSORIES

	Designation	Art. No.
	120° opening angle reduction clip, plastic, black	F069073401
	170° Soft-close set	F069073729

	Designation	Art. No.

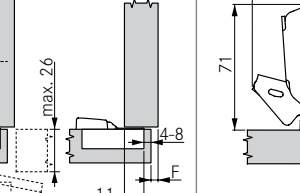
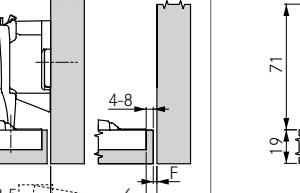
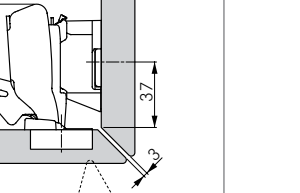
PAGE REFERENCES

Nexis Impresso mounting plates	146
Accessories	154
Technical information	156

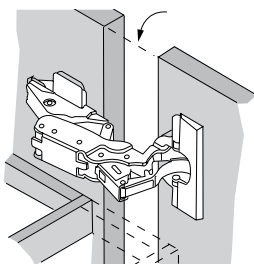
170° Soft-close	108
Assembly technology	225
Assembly aids	230

PLANNING DIMENSIONS

All dimensions in millimetres

Full overlay		Inset		Mitred application																																																																																											
K0		K0		K0																																																																																											
 Mounting plate height 2		 Inset application		 Mitred application																																																																																											
<table border="1"> <thead> <tr> <th rowspan="2"></th><th colspan="6">Cup distance</th></tr> <tr> <th>4</th><th>5</th><th>6</th><th>7</th><th>8</th><th></th></tr> </thead> <tbody> <tr><td>21</td><td></td><td></td><td></td><td></td><td>0</td><td></td></tr> <tr><td>20</td><td></td><td></td><td></td><td>0</td><td></td><td></td></tr> <tr><td>19</td><td></td><td></td><td>0</td><td></td><td>2</td><td></td></tr> <tr><td>18</td><td></td><td>0</td><td></td><td>2</td><td>3</td><td></td></tr> <tr><td>17</td><td>0</td><td></td><td>2</td><td>3</td><td>4</td><td></td></tr> <tr><td>16</td><td></td><td>2</td><td>3</td><td>4</td><td></td><td></td></tr> <tr><td>15</td><td>2</td><td>3</td><td>4</td><td></td><td></td><td></td></tr> <tr><td>14</td><td>3</td><td>4</td><td></td><td></td><td></td><td></td></tr> <tr><td>13</td><td>4</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table> Door overlay Mounting plate height			Cup distance						4	5	6	7	8		21					0		20				0			19			0		2		18		0		2	3		17	0		2	3	4		16		2	3	4			15	2	3	4				14	3	4					13	4																				With cranking 0, cup distance 4 mm and mounting plate height 18, you can achieve an inset application. Use 120° opening angle reduction clip.		With cranking 0, cup distance 3 mm and mounting plate height 18, you can achieve a mitred application. Use 120° opening angle reduction clip.	
	Cup distance																																																																																														
	4	5	6	7	8																																																																																										
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ZERO PROTRUSION



Zero protrusion for use with inset drawers.

With cranking 0 and mounting plate height 0, the door is flush with the cabinet at 90°.

MINIMUM GAP

		Cup distance				
		4	5	6	8	
Door thickness	16	0.7	0.7	0.7	0.7	
	18	0.7	0.7	0.7	0.7	
	19	0.7	0.7	0.7	0.7	
	20	0.7	0.7	0.7	0.7	
	22	0.7	0.7	0.7	0.7	
	23	0.7	0.7	0.7	0.7	
	24	0.7	0.7	0.7	0.7	
	25	0.7	0.7	0.7	0.7	
	26	0.7	0.7	0.7	0.7	
		Minimum gap				

MINIMUM REVEAL

		Cup distance				
		4	5	6	7	8
Door thickness	16	0.0	0.0	0.0	0.0	0.0
	18	0.0	0.0	0.0	0.0	0.0
	19	0.0	0.0	0.0	0.0	0.0
	20	0.0	0.0	0.0	0.0	0.0
	22	0.0	0.0	0.0	0.0	0.0
	23	0.0	0.0	0.0	0.0	0.0
	24	0.7	0.7	0.7	1.8	2.0
	25	6.5	6.0	5.5	4.8	4.0
	26	9.5	8.5	7.5	6.5	5.5
		Minimum reveal (F)				

NOTES

The minimum gap is the clearance required between the front edge of the cabinet and the closed door so that the door can be opened without hindrance.

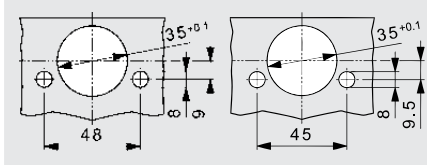
Important: Reveals were determined with a (door) edge radius of 1 mm.

Hinge dimensions and reveal calculation with factory setting.

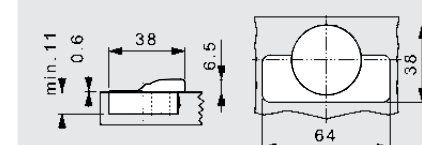
We recommend a trial fitting.

DRILLING PATTERNS

Combination drilling pattern 48/9 and 45/9.5

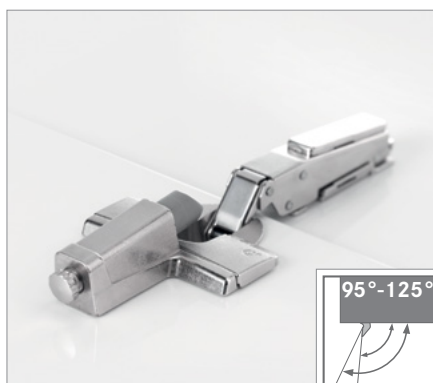


CUP DIMENSIONS



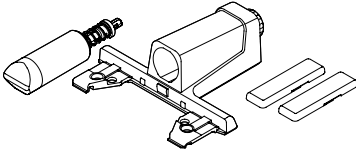
SOFT-CLOSE IMPRESSO

For Nexis Impresso 95°, 100°, 110° and 125° hinges



- Can be installed without tools – can also be retrofitted
- No additional holes on the cabinet or door
- Damping capacity can be adjusted individually
- Use damping system for hinges from the Nexis Impresso series

ORDER INFORMATION

Soft-close Impresso set		Art. No.
1 set consists of: • 1 Soft-close adapter for Nexis Impresso hinges • 1 Soft-close damper • 2 cover caps		 F069073728

COVER CAPS

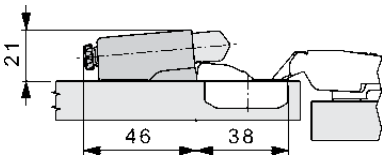
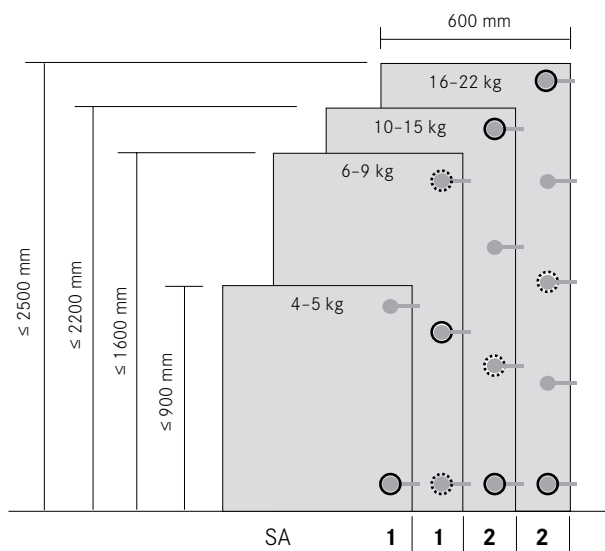
	Designation	Cranking	Imprinted/embossed	Art. No.
	Hinge arm cover cap, steel, short, nickel-plated, not imprinted, compatible with Soft-close	0	On request	F069073570
	Hinge arm cover cap, steel, open, nickel-plated, not imprinted, compatible with Soft-close	8/15	On request	F069073669

PAGE REFERENCES

Nexis Impresso	97

PLANNING DIMENSIONS

All dimensions in millimetres

Dimensions	Position for Soft-close Impresso
	 ○ Recommended position for Soft-close Impresso ⦿ Position for additional Soft-close Impresso (if required)

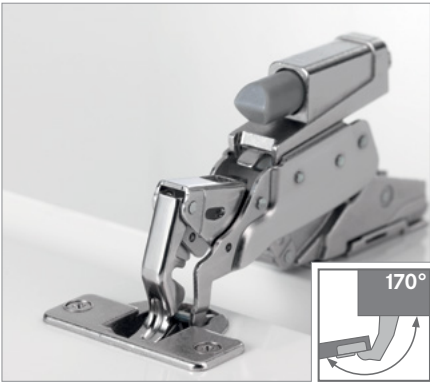
Assembly	Soft-close Impresso – quick and easy to use
1  2  3  4  5  6  6 	1 Remove the door from the cabinet and open the hinge cup cover. 2 Place the Soft-close Impresso adapter in both seats in the hinge cup without tilting, fit in and press firmly down. 3 Push the hinge cup cover all the way down again. The adapter must make full contact with the door. 4 Push the damper fully into the adapter opening with the flat side facing down. 5 Suspend the door again and adjust the damping capacity using the setting screw if required. 6 If not already installed, put on the short hinge arm cover cap (supplied in the set). NOTES When installing the furniture fittings, the specifications of GRASS from the applicable sales literature must be observed precisely, otherwise no liability will be assumed. If you required further information on installation and assembly, please contact one of our factories directly. Thank you for your understanding.

LEGEND

SA Number of hinges

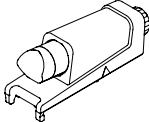
170° SOFT-CLOSE

For Nexis wide-angle hinges 170°



- For Nexis Impresso, Nexis Click-on and Nexis Slide-on 170° wide-angle hinges
- Can be installed without tools – can also be retrofitted
- No additional holes on the cabinet or door
- Damping capacity can be adjusted individually

ORDER INFORMATION

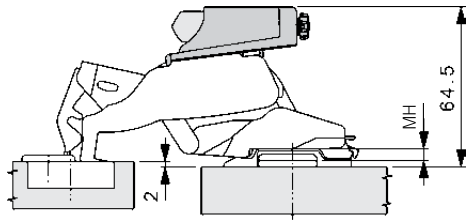
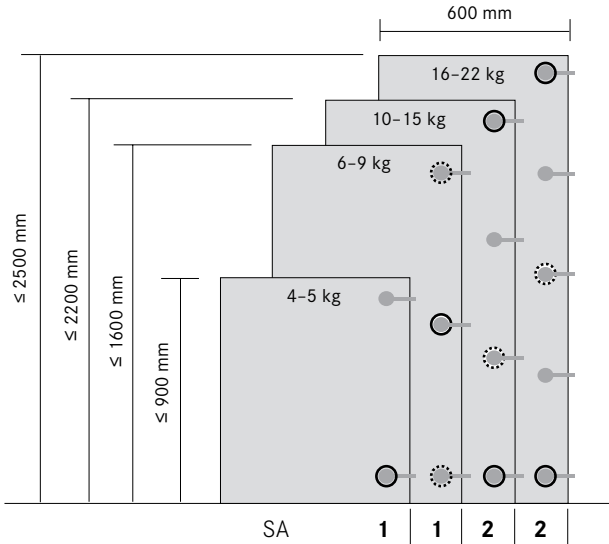
170° Soft-close		Art. No.
• Soft-close adapter for Nexis Impresso, Nexis Click-on and Nexis Slide-on 170° wide-angle hinges with pre-assembled Soft-close damper		 F069073729

PAGE REFERENCES

Nexis Impresso	97				

PLANNING DIMENSIONS

All dimensions in millimetres

Dimensions	Position for 170° Soft-close
 Drawing with mounting plate height 2	 ○ Recommended position for Soft-close 170° ⊖ Position for additional Soft-close 170° (if required)

Assembly		170° Soft-close – quick and easy to use
1	2	1 Engage the 170° Soft-close adapter into the recesses on the hinge arm at a slight angle with the two small hooks on the bottom. 2 Push down the adapter until it engages with an audible "click". NOTES When installing the furniture fittings, the specifications of GRASS from the applicable sales literature must be observed precisely, otherwise no liability will be assumed. If you required further information on installation and assembly, please contact one of our factories directly. Thank you for your understanding.

LEGEND

MH	Mounting plate height
SA	Number of hinges

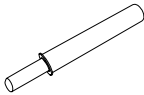
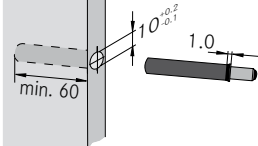
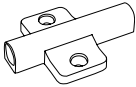
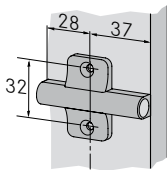
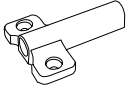
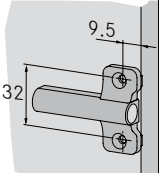
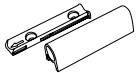
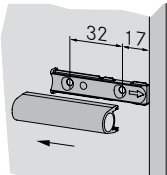
SOFT-CLOSE PIN

Pneumatic damper for doors



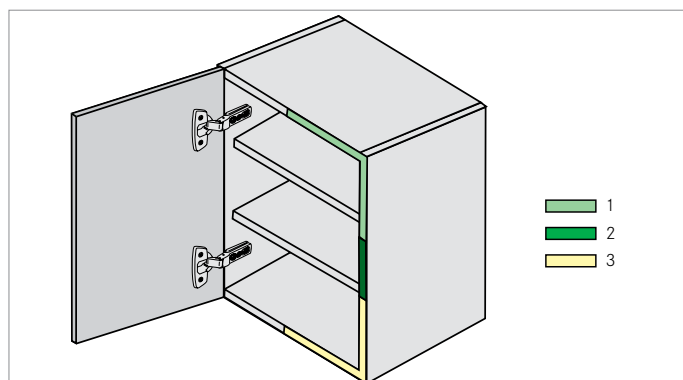
- Suitable for all door sizes, door shapes and materials
- Can also be retrofitted
- For drilling or for installation with adapter plate

ORDER INFORMATION

Soft-close Pin		For drilling	Art. No.
• Drill hole on front edge • For perfect appearance • Cup: plastic, anthracite • Piston: light grey			F069066528
Line hole adapter plate		For Euro screws	Art. No.
• Suitable for hole spacing 28 mm and 37 mm • Fixing with Euro screws (6.3 x 13.5) • Plastic, light grey			F069063310
Frame adapter plate		For screw fitting	Art. No.
• For quick retrofitting • Fixing with wood screws (3.5 x 13) • Plastic, light grey			F069073697
Linear adapter plate		For screw fitting	Art. No.
• Design solution – also in conjunction with inset doors • Fixing with wood screws (3.5 x 13) • Plastic, light grey			F069073696

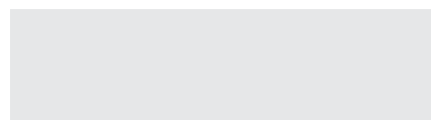
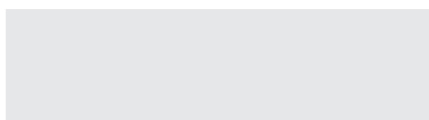
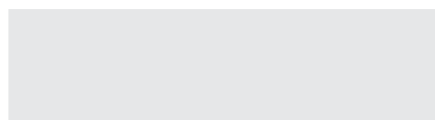
PAGE REFERENCES

Nexis Impresso	97



- Possible damper position for a standard door:
 - 1 Good position
 - 2 Optimal position
 - 3 Possible position
- For larger doors, we recommend using an additional damper.

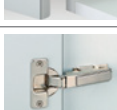
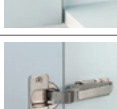
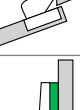
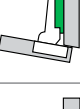
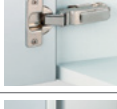
LEGEND

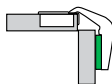
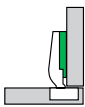
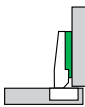
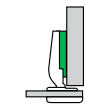
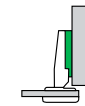
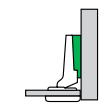
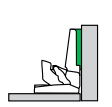


Nexis Click-on

Hinge systems

Hinges for quick assembly on the cabinet side with Click-on technology.

Opening angle		Product description	Full overlay	Half overlay	Inset	Page
100°		Nexis Click-on 04 • Also suitable for soft-formed doors • Optimal reveal for door thicknesses up to 24 mm • Compatible with Soft-close				114
110°		Nexis Click-on 22 • Cup depth 11 mm • Also suitable for soft-formed doors • Compatible with Soft-close			–	116
125°		Nexis Click-on 29 • Convenient access to unit • Compatible with Soft-close			–	118
170°		Nexis Click-on 65 • Also suitable for soft-formed doors • Zero protrusion • Compatible with Soft-close			–	120
95°		Nexis Click-on 05 • Suitable for thick doors or profiled doors • Optimal reveal for door thicknesses up to 30 mm • Compatible with Soft-close				122
95°		Nexis Click-on 25 • Cup diameter 40 mm • For profiled and frame doors with door thickness up to 36 mm • Smallest reveals with thick doors				124
95°		Nexis Click-on 05/20/6 • For 20° angled cabinets • Optimal reveal for door thicknesses up to 30 mm • Compatible with Soft-close	–		–	126
95°		Nexis Click-on 05/30/2 • For 30° angled cabinets • Optimal reveal for door thicknesses up to 30 mm • Compatible with Soft-close	–		–	128
95°		Nexis Click-on 05/45/3 • For 45° corner and special applications • Optimal reveal for door thicknesses up to 30 mm • Compatible with Soft-close	–	–		130
125°		Nexis Click-on 29/-14 • For -14° angled cabinets • Ideal for kitchens and bathrooms • Compatible with Soft-close	–		–	132
125°		Nexis Click-on 29/-24 • For -24° corner and special applications • Ideal for kitchens and bathrooms	–		–	134
95°		Nexis Click-on 05/90/4 • For protruding posts • Optimal reveal for door thicknesses up to 30 mm • Compatible with Soft-close	–	–		136

Opening angle		Product description	Full overlay	Half overlay	Inset	Page
-		Nexis Click-on PCC • Pie-cut corner hinge for corner applications • For door thicknesses from 14 to 22 mm • For connecting two corner cabinet doors	-	-		138
95°		Nexis Click-on 17 • Cup diameter 26 mm, ideal for frame doors • Optimal reveal up to 19 mm • Compatible with Soft-close			-	140
95°		Nexis Click-on 17 GL • For glass thicknesses from 4 to 6 mm • Cup diameter 26 mm • Ideal for display cabinets				142
128°		Nexis Click-on Mirro 07 • For mirror and glass applications • Fixing by gluing on the door side • Compatible with Soft-close				144

Nexis Click-on mounting plates	146
Accessories (cover caps, opening angle reduction clip)	154
Technical information	156
Soft-close damping system	160
Tipmatic Pin for handle-free opening	168
Assembly technology	225
Assembly aids	230

NEXIS CLICK-ON 04

100° hinge (door thicknesses up to 24 mm)



- 100° opening angle
- Optimal reveal for doors up to 24 mm thick
- Compatible with Soft-close
- With shallow cup depth (11 mm), also suitable for soft-formed doors
- 3-dimensional adjustment with corresponding mounting plate

Available in two versions:

- With self-closing mechanism (spring)
- Without self-closing mechanism (spring) for the use of Tipmatic

ORDER INFORMATION

Door overlay		Material		Cranking	With spring	Art. No.	
		Cup	Arm			Click-on for screw fitting	Click-on for press fitting
Full overlay		Steel, nickel-plated	Steel, nickel-plated	0	■	F015072722	F015072719
					–	F015072724	–
Half overlay		Steel, nickel-plated	Steel, nickel-plated	8	■	F015072729	F015072727
					–	F015072730	–
Inset		Steel, nickel-plated	Steel, nickel-plated	15	■	F015072736	–
					–	F015072738	–

COVER CAPS

	Designation	Cranking	Imprinted/embossed	Art. No.
	Hinge arm cover cap, steel, short, nickel-plated, not imprinted, compatible with Soft-close	0	On request	F069073570
	Hinge arm cover cap, steel, open, nickel-plated, not imprinted, compatible with Soft-close	8/15	On request	F069073669

ACCESSORIES

	Designation	Art. No.		Designation	Art. No.
	Hinge cup cover cap, steel, nickel-plated, not imprinted	F069073687		Tipmatic Pin for wooden and aluminium frame doors, platinum grey	F069135396
	Soft-close Click-on adapter	F069073715		Tipmatic Plus Pin for handle-free furniture doors, light grey	F069135061

PAGE REFERENCES

Nexis Click-on mounting plates	146	Soft-close Click-on	160	Assembly aids	230
Accessories	154	Tipmatic	168		
Technical information	156	Assembly technology	225		

NEXIS CLICK-ON 22

110° hinge



- 110° opening angle
- Compatible with Soft-close
- With shallow cup depth (11 mm), also suitable for soft-formed doors
- 3-dimensional adjustment with corresponding mounting plate

Available in two versions:

- With self-closing mechanism (spring)
- Without self-closing mechanism (spring) for the use of Tipmatic

ORDER INFORMATION

Door overlay		Material		Cranking	With spring	Art. No.	
		Cup	Arm			Click-on for screw fitting	Click-on for press fitting
Full overlay		Steel, nickel-plated	Steel, nickel-plated	0	■	F015072811	F015072810
					–	F015072816	–
Half overlay		Steel, nickel-plated	Steel, nickel-plated	8	■	F015072818	–
					–	–	–

COVER CAPS

	Designation	Cranking	Imprinted/embossed	Art. No.
	Hinge arm cover cap, steel, short, nickel-plated, not imprinted, compatible with Soft-close	0	On request	F069073570
	Hinge arm cover cap, steel, open, nickel-plated, not imprinted, compatible with Soft-close	8	On request	F069073669

ACCESSORIES

	Designation	Art. No.		Designation	Art. No.
	Hinge cup cover cap, steel, nickel-plated, not imprinted	F069073687		Tipmatic Pin for wooden and aluminium frame doors, platinum grey	F069135396
	Soft-close Click-on adapter	F069073715		Tipmatic Plus Pin for handle-free furniture doors, light grey	F069135061

PAGE REFERENCES

Nexis Click-on mounting plates	146	Soft-close Click-on	160	Assembly aids	230
Accessories	154	Tipmatic	168		
Technical information	156	Assembly technology	225		

PLANNING DIMENSIONS

All dimensions in millimetres

Full overlay

K0

Half overlay

K8

Mounting plate height 2

Mounting plate height 2

Door overlay

0	Cup distance					
	3	4	5	6	7	
20					0	
19				0		
18			0		2	
17		0		2	3	
16	0		2	3	4	
15		2	3	4		
14	2	3	4			
13	3	4				
12	4					

Mounting plate height

Door overlay

8	Cup distance					
	3	4	5	6	7	
12					0	
11				0		
10			0		2	
9		0		2	3	
8	0		2	3	4	
7		2	3	4		
6	2	3	4			
5	3	4				
4	4					

Mounting plate height

MINIMUM GAP

Door thickness	Cup distance					
		3	4	5	6	7
	16	0.5	0.6	1.6	2.6	3.6
	18	0.5	1.2	2.2	3.2	4.2
	19	0.5	1.5	2.5	3.5	4.5
	20	0.8	1.8	2.8	3.8	4.8
	22	1.4	2.4	3.4	4.4	5.4
Minimum gap						

MINIMUM REVEAL

Door thickness	Cup distance					
		3	4	5	6	7
	16	0.5	0.5	0.5	0.5	0.5
	18	1.0	1.0	1.0	1.0	1.0
	19	1.2	1.2	1.2	1.2	1.2
	20	2.2	1.5	1.5	1.5	1.5
	22	4.7	3.7	2.8	2.1	2.1
Minimum reveal (F)						

NOTES

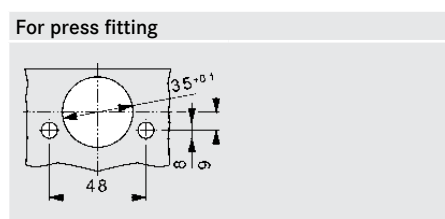
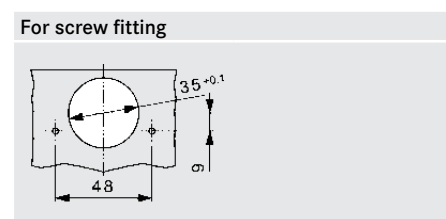
The minimum gap is the clearance required between the front edge of the cabinet and the closed door so that the door can be opened without hindrance.

Important: Reveals were determined with a (door) edge radius of 1 mm.

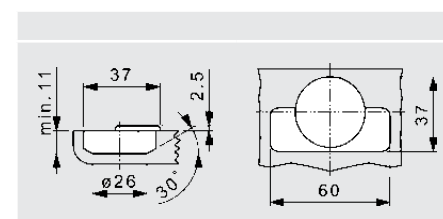
Hinge dimensions and reveal calculation with factory setting.

We recommend a trial fitting.

DRILLING PATTERNS



CUP DIMENSIONS



NEXIS CLICK-ON 29

125° hinge (door thicknesses up to 19 mm)



- 125° opening angle
- Compatible with Soft-close
- Optimal reveal for door thicknesses up to 19 mm
- With self-closing mechanism (spring)
- 3-dimensional adjustment with corresponding mounting plate

ORDER INFORMATION

Door overlay		Material		Cranking	With spring	Art. No.	
		Cup	Arm			Click-on for screw fitting	Click-on for press fitting
Full overlay		Steel, nickel-plated	Steel, nickel-plated	0	■	F015072827	F015072825
Half overlay		Steel, nickel-plated	Steel, nickel-plated	8	■	F015072832	–

COVER CAPS

	Designation	Cranking	Imprinted/embossed	Art. No.
	Hinge arm cover cap, steel, short, nickel-plated, not imprinted, compatible with Soft-close	0	On request	F069073570
	Hinge arm cover cap, steel, open, nickel-plated, not imprinted, compatible with Soft-close	8	On request	F069073669

ACCESSORIES

	Designation	Art. No.		Designation	Art. No.
	Hinge cup cover cap, steel, nickel-plated, not imprinted	F069073687			
	Soft-close Click-on adapter	F069073715			

PAGE REFERENCES

Nexis Click-on mounting plates	146	Soft-close Click-on	160		
Accessories	154	Assembly technology	225		
Technical information	156	Assembly aids	230		

PLANNING DIMENSIONS

All dimensions in millimetres

Full overlay

K0

Half overlay

K8

Mounting plate height 2

Mounting plate height 2

Door overlay

Door overlay

0	Cup distance					
	3	4	5	6		
19				0		
18			0			
17		0		2		
16	0		2	3		
15		2	3	4		
14	2	3	4			
13	3	4				
12	4					

Mounting plate height

8	Cup distance					
	3	4	5	6		
9		0		2		
8	0		2	3		
7		2	3	4		
6	2	3	4			
5	3	4				
4	4					

Mounting plate height

MINIMUM GAP

Door thickness	Cup distance					
		3	4	5	6	
	16	0.5	1.0	1.8	2.6	
	18	1.3	2.1	2.9	3.7	
	19	1.9	2.7	3.5	4.3	
	20	2.4	3.2	4.0	4.8	
		Minimum gap				

MINIMUM REVEAL

Door thickness	Cup distance					
		3	4	5	6	
	16	1.9	1.9	1.9	1.9	
	18	2.8	2.6	2.5	2.5	
	19	4.6	3.6	3.0	2.9	
	20	6.5	5.5	4.5	3.5	
		Minimum reveal (F)				

NOTES

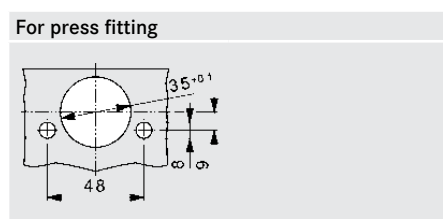
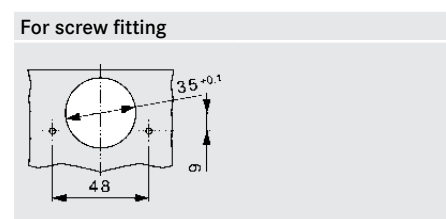
The minimum gap is the clearance required between the front edge of the cabinet and the closed door so that the door can be opened without hindrance.

Important: Reveals were determined with a (door) edge radius of 1 mm.

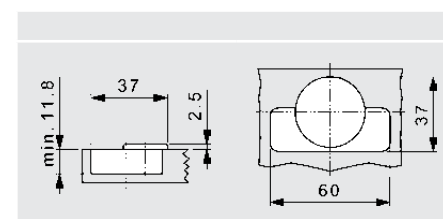
Hinge dimensions and reveal calculation with factory setting.

We recommend a trial fitting.

DRILLING PATTERNS



CUP DIMENSIONS



NEXIS CLICK-ON 65

170° wide-angle hinge (door thicknesses up to 26 mm)



- 170° opening angle
- Compatible with Soft-close
- Optimal reveal for door thicknesses up to 26 mm
- With shallow cup depth (11 mm), also suitable for soft-formed doors
- Zero protrusion with door open at 90°
- Finger guard
- 3-dimensional adjustment with corresponding mounting plate

Available in two versions:

- With self-closing mechanism (spring)
- Without self-closing mechanism (spring) for the use of Tipmatic

ORDER INFORMATION

Door overlay		Material		Cranking	With spring	Art. No.	
		Cup	Arm			Click-on for screw fitting	Click-on for press fitting
Full overlay		Zamak, nickel-plated	Zamak, nickel-plated	0	■	F015072842	F015072840
					–	F015072843	–
Half overlay		Zamak, nickel-plated	Zamak, nickel-plated	8	■	F015072845	–
					–	F015072846	–

ACCESSORIES

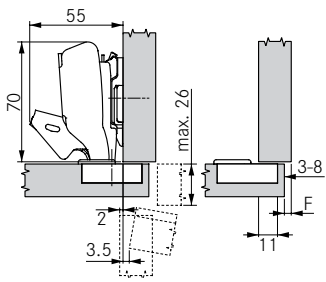
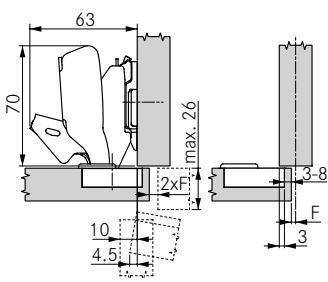
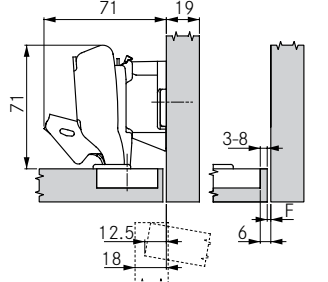
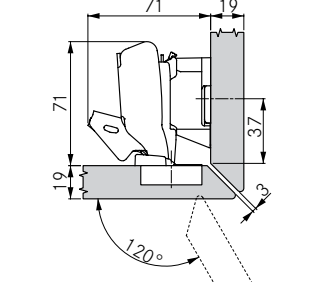
	Designation	Art. No.		Designation	Art. No.
	120° opening angle reduction clip, plastic, black	F069073401		Tipmatic Pin for wooden and aluminium frame doors, platinum grey	F069135396
	170° Soft-close	F069073729		Tipmatic Plus Pin for handle-free furniture doors, light grey	F069135061

PAGE REFERENCES

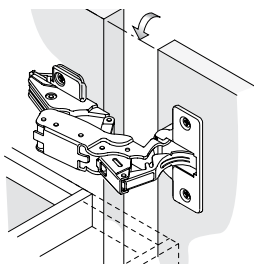
Nexis Click-on mounting plates	146	170° Soft-close	162	Assembly aids	230
Accessories	154	Tipmatic	168		
Technical information	156	Assembly technology	225		

PLANNING DIMENSIONS

All dimensions in millimetres

Full overlay	K0	Half overlay	K8	Inset	K0	Mitred application	K0																																																																																																																																																																																						
 Mounting plate height 2 <table border="1"> <thead> <tr> <th rowspan="2"></th><th colspan="7">Cup distance</th></tr> <tr> <th>0</th><th>3</th><th>4</th><th>5</th><th>6</th><th>7</th><th>8</th></tr> </thead> <tbody> <tr><td>21</td><td></td><td></td><td></td><td></td><td></td><td></td><td>0</td></tr> <tr><td>20</td><td></td><td></td><td></td><td></td><td></td><td>0</td><td></td></tr> <tr><td>19</td><td></td><td></td><td></td><td></td><td>0</td><td></td><td>2</td></tr> <tr><td>18</td><td></td><td></td><td></td><td>0</td><td></td><td>2</td><td>3</td></tr> <tr><td>17</td><td></td><td>0</td><td></td><td></td><td>2</td><td>3</td><td>4</td></tr> <tr><td>16</td><td>0</td><td></td><td>2</td><td>3</td><td>4</td><td></td><td></td></tr> <tr><td>15</td><td></td><td>2</td><td>3</td><td>4</td><td></td><td></td><td></td></tr> <tr><td>14</td><td>2</td><td>3</td><td>4</td><td></td><td></td><td></td><td></td></tr> <tr><td>13</td><td>3</td><td>4</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>12</td><td>4</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table> Door overlay Mounting plate height			Cup distance							0	3	4	5	6	7	8	21							0	20						0		19					0		2	18				0		2	3	17		0			2	3	4	16	0		2	3	4			15		2	3	4				14	2	3	4					13	3	4						12	4							 Mounting plate height 2 <table border="1"> <thead> <tr> <th rowspan="2"></th><th colspan="7">Cup distance</th></tr> <tr> <th>8</th><th>3</th><th>4</th><th>5</th><th>6</th><th>7</th><th>8</th></tr> </thead> <tbody> <tr><td>13</td><td></td><td></td><td></td><td></td><td></td><td></td><td>0</td></tr> <tr><td>12</td><td></td><td></td><td></td><td></td><td></td><td>0</td><td></td></tr> <tr><td>11</td><td></td><td></td><td></td><td></td><td>0</td><td></td><td>2</td></tr> <tr><td>10</td><td></td><td></td><td></td><td>0</td><td></td><td>2</td><td>3</td></tr> <tr><td>9</td><td></td><td>0</td><td></td><td></td><td>2</td><td>3</td><td>4</td></tr> <tr><td>8</td><td>0</td><td></td><td>2</td><td>3</td><td>4</td><td></td><td></td></tr> <tr><td>7</td><td></td><td>2</td><td>3</td><td>4</td><td></td><td></td><td></td></tr> <tr><td>6</td><td>2</td><td>3</td><td>4</td><td></td><td></td><td></td><td></td></tr> <tr><td>5</td><td>3</td><td>4</td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table> Door overlay Mounting plate height			Cup distance							8	3	4	5	6	7	8	13							0	12						0		11					0		2	10				0		2	3	9		0			2	3	4	8	0		2	3	4			7		2	3	4				6	2	3	4					5	3	4						 Inset application With cranking 0, cup distance 3 mm and mounting plate height 18, you can achieve an inset application. Use 120° opening angle reduction clip.		 Mitred application With cranking 0, cup distance 3 mm and a mounting plate height 18, you can achieve a mitred application. Use 120° opening angle reduction clip.	
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ZERO PROTRUSION



Zero protrusion for use with inset drawers.

With cranking 0 and mounting plate height 0, the door is flush with the cabinet at 90°.

MINIMUM GAP

Door thickness		Cup distance					
		3	4	5	6	8	10
	16	0.0	0.0	0.0	0.0	0.0	0.0
	18	0.0	0.0	0.0	0.0	0.0	0.0
	19	0.0	0.0	0.0	0.0	0.0	0.0
	20	0.0	0.0	0.0	0.0	0.0	0.0
	22	0.0	0.0	0.0	0.0	0.0	0.0
	23	0.0	0.0	0.0	0.0	0.0	0.0
	24	0.0	0.0	0.0	0.0	0.0	0.0
	25	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	
		Minimum gap					

MINIMUM REVEAL

Door thickness		Cup distance					
		3	4	5	6	7	8
	16	0.0	0.0	0.0	0.0	0.0	0.0
	18	0.0	0.0	0.0	0.0	0.0	0.0
	19	0.0	0.0	0.0	0.0	0.0	0.0
	20	0.0	0.0	0.0	0.0	0.0	0.0
	22	0.0	0.0	0.0	0.0	0.0	0.0
	23	0.0	0.0	0.0	0.0	0.0	0.0
	24	0.0	0.0	0.0	0.5	1.8	2.0
	25	6.5	6.5	6.0	5.5	4.8	4.0
26	10.5	9.5	8.5	7.5	6.5	5.5	
		Minimum reveal (F)					

NOTES

The minimum gap is the clearance required between the front edge of the cabinet and the closed door so that the door can be opened without hindrance.

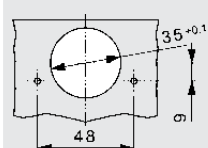
Important: Reveals were determined with a (door) edge radius of 1 mm.

Hinge dimensions and reveal calculation with factory setting.

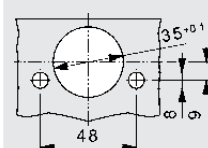
We recommend a trial fitting.

DRILLING PATTERNS

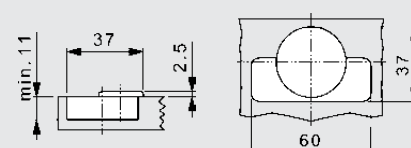
For screw fitting



For press fitting



CUP DIMENSIONS



NEXIS CLICK-ON 05

95° profiled door hinge (door thicknesses up to 30 mm)



- 95° opening angle
- Smallest reveals with thick doors
- Compatible with Soft-close
- Optimal reveal for door thicknesses up to 26 mm
- 3-dimensional adjustment with corresponding mounting plate

Available in two versions:

- With self-closing mechanism (spring)
- Without self-closing mechanism (spring) for the use of Tipmatic

ORDER INFORMATION

Door overlay		Material		Cranking	With spring	Art. No.	
		Cup	Arm			Click-on for screw fitting	
Full overlay		Steel, nickel-plated	Steel, nickel-plated	0	■	F015072742	
					–	F015072743	
Half overlay		Steel, nickel-plated	Steel, nickel-plated	8	■	F015072760	
					–	F015072762	
Inset		Steel, nickel-plated	Steel, nickel-plated	15	■	F015072768	
					–	F015072770	

COVER CAPS

	Designation	Cranking	Imprinted/embossed	Art. No.
	Hinge arm cover cap, steel, short, nickel-plated, not imprinted, compatible with Soft-close	0	On request	F069073570
	Hinge arm cover cap, steel, open, nickel-plated, not imprinted, compatible with Soft-close	8 / 15	On request	F069073669

ACCESSORIES

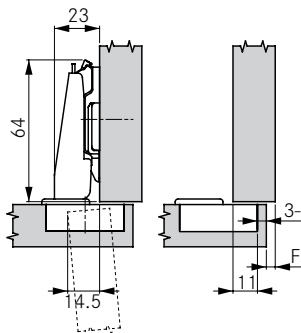
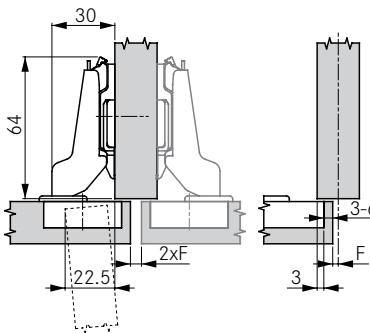
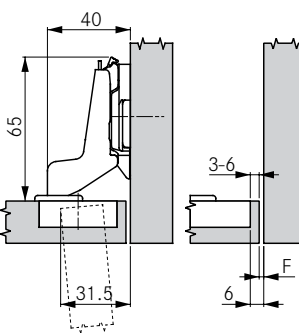
	Designation	Art. No.		Designation	Art. No.
	Hinge cup cover cap, steel, nickel-plated, not imprinted	F069073687		Tipmatic Pin for wooden and aluminium frame doors, platinum grey	F069135396
	Soft-close Click-on adapter	F069073715		Tipmatic Plus Pin for handle-free furniture doors, light grey	F069135061

PAGE REFERENCES

Nexis Click-on mounting plates	146	Soft-close Click-on	160	Assembly aids	230
Accessories	154	Tipmatic	168		
Technical information	156	Assembly technology	225		

PLANNING DIMENSIONS

All dimensions in millimetres

Full overlay		K0	Half overlay		K8	Inset		K15
								
Mounting plate height 2			Mounting plate height 2			Mounting plate height 4		
Door overlay	0	Cup distance						
	19	3	4	5	6			
	18			0				
	17		0		2			
	16	0		2	3			
	15		2	3	4			
	14	2	3	4				
	13	3	4					
	12	4						
Door overlay	8	Cup distance						
	11	3	4	5	6			
	10			0				
	9		0		2			
	8	0		2	3			
	7		2	3	4			
	6	2	3	4				
	5	3	4					
	4	4						
Door reveal	15	Cup distance						
	0	3	4	5	6			
	1	2	3	4				
	2	3	4					

MINIMUM GAP

Door thickness	Cup distance					
	3	4	5	6		
16	0.5	0.5	0.5	0.5		
18	0.5	0.5	0.5	0.5		
19	0.5	0.5	0.5	0.5		
20	0.5	0.5	0.5	0.5		
22	0.5	0.5	0.5	0.5		
24	0.5	0.5	0.5	0.5		
26	0.5	0.5	0.5	0.7		
28	0.5	0.5	0.5	0.9		
30	0.5	0.5	1.1	1.1		
	Minimum gap					

MINIMUM REVEAL

Door thickness	Cup distance					
	3	4	5	6		
16	0.1	0.1	0.1	0.1		
18	0.2	0.2	0.2	0.2		
19	0.3	0.3	0.3	0.3		
20	0.4	0.4	0.4	0.4		
22	0.7	0.7	0.7	0.7		
24	1.0	1.0	1.0	1.0		
26	1.4	1.4	1.4	1.4		
28	1.9	1.9	1.9	1.9		
30	3.8	2.9	2.6	2.5		
	Minimum reveal (F)					

NOTES

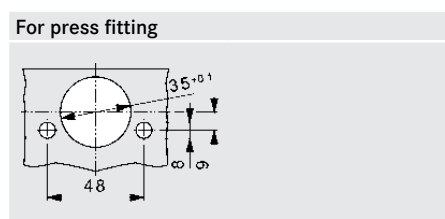
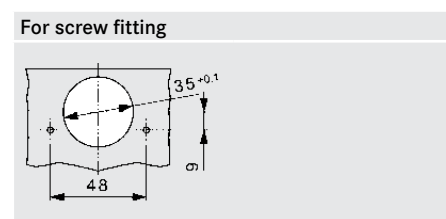
The minimum gap is the clearance required between the front edge of the cabinet and the closed door so that the door can be opened without hindrance.

Important: Reveals were determined with a (door) edge radius of 1 mm.

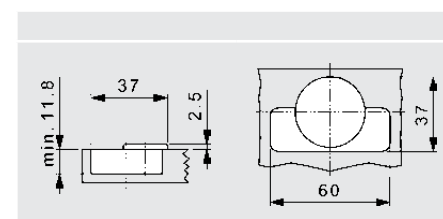
Hinge dimensions and reveal calculation with factory setting.

We recommend a trial fitting.

DRILLING PATTERNS



CUP DIMENSIONS



NEXIS CLICK-ON 25

95° profiled door hinge (door thicknesses up to 36 mm)



- 95° opening angle
- Smallest reveals with thick doors
- Hinge cup with Ø 40 mm
- For thick profiled and frame doors with door thickness up to 36 mm
- Strong hold-closed function even with large doors thanks to special spring mechanism
- With self-closing mechanism (spring)
- 3-dimensional adjustment with corresponding mounting plate

ORDER INFORMATION

Door overlay		Material		Cranking	With spring	Art. No.	
		Cup	Arm			Click-on for screw fitting	
Full overlay		Steel, nickel-plated	Zamak, nickel-plated	0	■	F015072820	
Half overlay		Steel, nickel-plated	Zamak, nickel-plated	8	■	F015072822	
Inset		Steel, nickel-plated	Zamak, nickel-plated	15	■	F015072823	

COVER CAPS

	Designation	Cranking	Imprinted/embossed	Art. No.
	Hinge arm cover cap, steel, short, nickel-plated, not imprinted, compatible with Soft-close	0	On request	F069073570
	Hinge arm cover cap, steel, open, nickel-plated, not imprinted, compatible with Soft-close	8 / 15	On request	F069073669

ACCESSORIES

	Designation	Art. No.		Designation	Art. No.
	Soft-close Pin	F069066528			

PAGE REFERENCES

Nexis Click-on mounting plates	146	Soft-close Pin	166		
Accessories	154	Assembly technology	225		
Technical information	156	Assembly aids	230		

PLANNING DIMENSIONS

All dimensions in millimetres

Full overlay

Mounting plate height 2

Half overlay

Mounting plate height 2

Inset

Mounting plate height 4

Door overlay

0	Cup distance									
	3	4	5	6	7	8	9	10	11	
23								0		
22							0		2	
21						0		2	3	
20					0		2	3	4	
19				0		2	3	4		
18			0		2	3	4			
17		0		2	3	4				
16	0		2	3	4					
15		2	3	4						
14	2	3	4							
13	3	4								

Mounting plate height

Door overlay

8	Cup distance									
	3	4	5	6	7	8	9	10	11	
15								0		
14							0		2	
13						0		2	3	
12					0		2	3	4	
11				0		2	3	4		
10			0		2	3	4			
9		0		2	3	4				
8	0		2	3	4					
7		2	3	4						
6	2	3	4							
5	3	4								

Mounting plate height

Door reveal

15	Cup distance									
	3	4	5	6						
0		2	3	4						
1	2	3	4							
2	3	4								

Mounting plate height

MINIMUM GAP

Door thickness		Cup distance								
		3	4	5	6	8	10			
	20	0.0	0.0	0.0	0.0	0.0	0.0			
	22	0.0	0.0	0.0	0.0	0.0	0.0			
	24	0.0	0.0	0.0	0.0	0.0	0.0			
	26	0.0	0.0	0.0	0.0	0.0	0.0			
	28	0.0	0.0	0.0	0.0	0.0	0.0			
	30	0.0	0.0	0.0	0.0	0.0	0.0			
	32	0.0	0.0	0.0	0.0	0.0	0.0			
	34	0.0	0.0	0.0	0.0	0.0	0.0			
36	0.0	0.0	0.0	0.0	0.0	0.0				
		Minimum gap								

MINIMUM REVEAL

Door thickness		Cup distance								
		3	4	5	6	8	10			
	20	0.1	0.1	0.1	0.1	0.1	0.1			
	22	0.2	0.2	0.2	0.2	0.2	0.2			
	24	0.3	0.3	0.3	0.3	0.3	0.3			
	26	0.4	0.4	0.4	0.4	0.4	0.4			
	28	0.6	0.6	0.6	0.6	0.6	0.6			
	30	0.8	0.8	0.8	0.8	0.8	0.8			
	32	2.1	1.1	1.1	1.1	1.1	1.1			
	34	4.2	3.1	2.3	1.6	1.4	1.4			
36	6.5	5.2	4.2	3.5	2.2	1.7				
	Minimum reveal (F)									

NOTES

The minimum gap is the clearance required between the front edge of the cabinet and the closed door so that the door can be opened without hindrance.

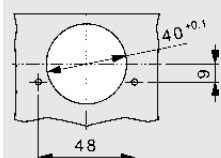
Important: Reveals were determined with a (door) edge radius of 1 mm.

Hinge dimensions and reveal calculation
with factory setting.

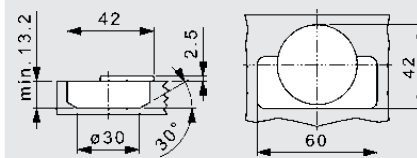
We recommend a trial fitting.

DRILLING PATTERNS

For screw fitting



CUP DIMENSIONS



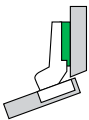
NEXIS CLICK-ON 05/20/6

+20° corner cabinet hinge (door thicknesses up to 30 mm)



- For 20° angled cabinets
- 95° opening angle
- Optimal reveal for door thicknesses up to 30 mm
- Compatible with Soft-close
- With self-closing mechanism (spring)
- 3-dimensional adjustment with corresponding mounting plate

ORDER INFORMATION

Door overlay		Material			With spring	Art. No.	
		Cup	Arm			Click-on for screw fitting	
Half overlay		Steel, nickel-plated	Zamak, nickel-plated		■	F015072754	

COVER CAP

	Designation	Imprinted/embossed	Art. No.
	Hinge arm cover cap, steel, short, nickel-plated, not imprinted, compatible with Soft-close	On request	F069073570

ACCESSORIES

	Designation	Art. No.		Designation	Art. No.
	Hinge cup cover cap, steel, nickel-plated, not imprinted	F069073687		Soft-close Click-on adapter	F069073715
	Soft-close Pin	F069066528			

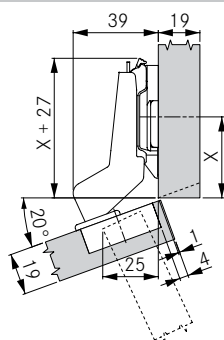
PAGE REFERENCES

Nexis Click-on mounting plates	146	Soft-close	160		
Accessories	154	Assembly technology	225		
Technical information	156	Assembly aids	230		

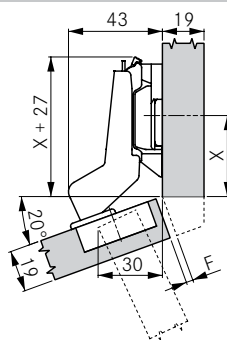
PLANNING DIMENSIONS

All dimensions in millimetres

Half overlay

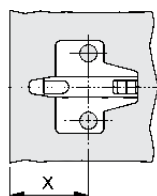


Mounting plate height 4



Mounting plate height 8

Door overlay	Cup distance					
	3	4	5	6		
	7			0		
	6		0			
	5	0		2		
	4	0	2	3		
	3		2	3	4	
	2	2	3	4		
	1	3	4			
Mounting plate height						



Mounting plate height					
	0	2	3	4	
X	38.5	37.5	37.5	37.0	
Mounting plate position					

MINIMUM GAP

Door thickness	Cup distance					
	3	4	5	6		
	16	0.5	0.5	0.5	0.5	
	18	0.5	0.5	0.5	0.5	
	19	0.5	0.5	0.5	0.5	
	20	0.5	0.5	0.5	0.5	
	22	0.5	0.5	0.5	0.5	
	24	0.5	0.5	0.5	0.5	
	26	0.5	0.5	0.5	0.7	
	28	0.5	0.5	0.5	0.9	
	30	0.5	0.5	1.1	1.1	
Minimum gap						

MINIMUM REVEAL

Door thickness	Cup distance					
	3	4	5	6		
	16	0.1	0.1	0.1	0.1	
	18	0.2	0.2	0.2	0.2	
	19	0.3	0.3	0.3	0.3	
	20	0.4	0.4	0.4	0.4	
	22	0.7	0.7	0.7	0.7	
	24	1.0	1.0	1.0	1.0	
	26	1.4	1.4	1.4	1.4	
	28	1.9	1.9	1.9	1.9	
	30	3.8	2.9	2.6	2.5	
Minimum reveal (F)						

NOTES

The minimum gap is the clearance required between the front edge of the cabinet and the closed door so that the door can be opened without hindrance.

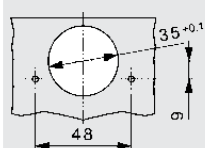
Important: Reveals were determined with a (door) edge radius of 1 mm.

Hinge dimensions and reveal calculation with factory setting.

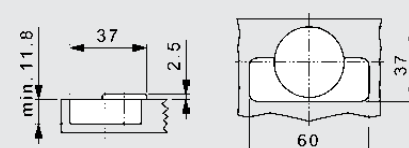
We recommend a trial fitting.

DRILLING PATTERNS

For screw fitting



CUP DIMENSIONS



NEXIS CLICK-ON 05/30/2

+30° corner cabinet hinge (door thicknesses up to 30 mm)



- For 30° angled cabinets
- 95° opening angle
- Optimal reveal for door thicknesses up to 30 mm
- Compatible with Soft-close
- With self-closing mechanism (spring)
- 3-dimensional adjustment with corresponding mounting plate

ORDER INFORMATION

Door overlay		Material			With spring	Art. No.	
		Cup	Arm			Click-on for screw fitting	
Half overlay		Steel, nickel-plated	Zamak, nickel-plated		■	F015072747	

COVER CAP

	Designation	Imprinted/embossed	Art. No.
	Hinge arm cover cap, steel, short, nickel-plated, not imprinted, compatible with Soft-close	On request	F069073570

ACCESSORIES

	Designation	Art. No.		Designation	Art. No.
	Hinge cup cover cap, steel, nickel-plated, not imprinted	F069073687		Soft-close Click-on adapter	F069073715
	Soft-close Pin	F069066528			

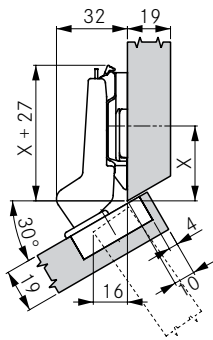
PAGE REFERENCES

Nexis Click-on mounting plates	146	Soft-close	160		
Accessories	154	Assembly technology	225		
Technical information	156	Assembly aids	230		

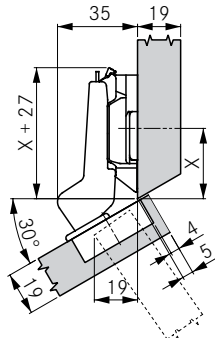
PLANNING DIMENSIONS

All dimensions in millimetres

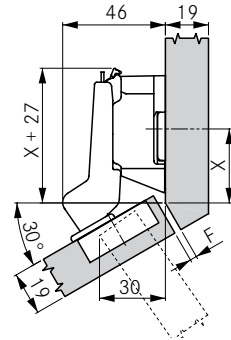
Half overlay



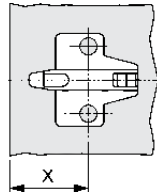
Mounting plate height 4



Mounting plate height 8



Mounting plate height 18

[illegible]

	Mounting plate height				
	0	2	3	4	8
X	35.0	34.0	33.5	33.0	31.0
	Mounting plate position				

MINIMUM GAP

Door thickness		Cup distance					
		3	4	5	6		
	16	0.5	0.5	0.5	0.5		
	18	0.5	0.5	0.5	0.5		
	19	0.5	0.5	0.5	0.5		
	20	0.0	0.0	0.0	0.5		
	22	0.5	0.5	0.5	0.5		
	24	0.5	0.5	0.5	0.5		
	26	0.5	0.5	0.5	0.7		
	28	0.5	0.5	0.5	0.9		
30	0.5	0.5	1.1	1.1			
		Minimum gap					

MINIMUM REVEAL

Door thickness		Cup distance					
		3	4	5	6		
	16	0.1	0.1	0.1	0.1		
	18	0.2	0.2	0.2	0.2		
	19	0.3	0.3	0.3	0.3		
	20	0.4	0.4	0.4	0.4		
	22	0.7	0.7	0.7	0.7		
	24	1.0	1.0	1.0	1.0		
	26	1.4	1.4	1.4	1.4		
	28	1.9	1.9	1.9	1.9		
	30	3.8	2.9	2.6	2.5		
		Minimum reveal (F)					

NOTES

The minimum gap is the clearance required between the front edge of the cabinet and the closed door so that the door can be opened without hindrance.

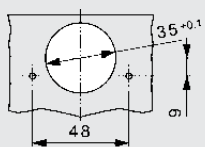
Important: Reveals were determined with a (door) edge radius of 1 mm.

Hinge dimensions and reveal calculation with factory setting.

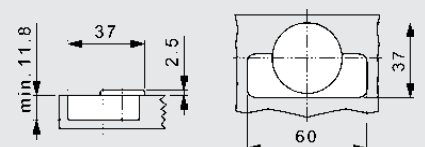
We recommend a trial fitting.

DRILLING PATTERNS

For screw fitting



CUP DIMENSIONS



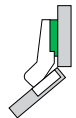
NEXIS CLICK-ON 05/45/3

+45° corner cabinet hinge (door thicknesses up to 30 mm)



- For 45° angled cabinets
- 95° opening angle
- Optimal reveal for door thicknesses up to 30 mm
- Compatible with Soft-close
- With self-closing mechanism (spring)
- 3-dimensional adjustment with corresponding mounting plate

ORDER INFORMATION

Door overlay		Material			With spring	Art. No.	
		Cup	Arm			Click-on for screw fitting	
Inset		Steel, nickel-plated	Zamak, nickel-plated		■	F015072751	

COVER CAP

	Designation	Imprinted/embossed	Art. No.
	Hinge arm cover cap, steel, short, nickel-plated, not imprinted, compatible with Soft-close	On request	F069073570

ACCESSORIES

	Designation	Art. No.		Designation	Art. No.
	Hinge cup cover cap, steel, nickel-plated, not imprinted	F069073687		Soft-close Click-on adapter	F069073715
	Soft-close Pin	F069066528			

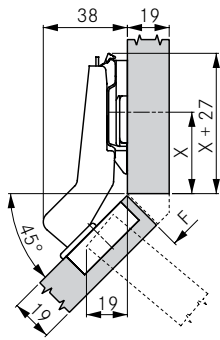
PAGE REFERENCES

Nexis Click-on mounting plates	146	Soft-close	160		
Accessories	154	Assembly technology	225		
Technical information	156	Assembly aids	230		

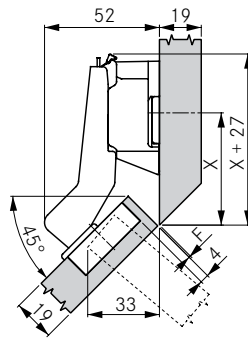
PLANNING DIMENSIONS

All dimensions in millimetres

Inset

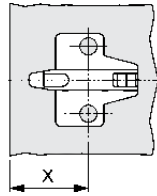


Mounting plate height 4



Mounting plate height 18

	Cup distance					
	3	4	5	6		
		2	3	4		
	Mounting plate height					



	Mounting plate height				
	2	3	4		
X	37.0	37.0	37.0		
	Mounting plate position				

MINIMUM REVEAL

		Cup distance					
		3	4	5	6		
Door thickness	16	0.1	0.1	0.1	0.1		
	18	0.2	0.2	0.2	0.2		
	19	0.3	0.3	0.3	0.3		
	20	0.4	0.4	0.4	0.4		
	22	0.7	0.7	0.7	0.7		
	24	1.0	1.0	1.0	1.0		
	26	1.4	1.4	1.4	1.4		
	28	1.9	1.9	1.9	1.9		
	30	3.8	2.9	2.6	2.5		
		Minimum reveal (F)					

NOTES

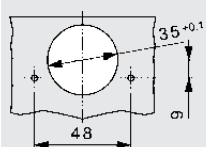
Important: Reveals were determined with a (door) edge radius of 1 mm.

Hinge dimensions and reveal calculation with factory setting.

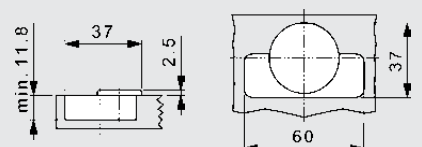
We recommend a trial fitting.

DRILLING PATTERNS

For screw fitting



CUP DIMENSIONS



NEXIS CLICK-ON 29/-14

-14° corner cabinet hinge



- For -14° angled cabinets
- 125° opening angle
- Compatible with Soft-close
- With self-closing mechanism (spring)
- 3-dimensional adjustment with corresponding mounting plate

ORDER INFORMATION

Door overlay		Material			With spring	Art. No.	
		Cup	Arm			Click-on for screw fitting	
Half overlay		Steel, nickel-plated	Zamak, nickel-plated		■	F015072834	

COVER CAP

	Designation	Imprinted/embossed	Art. No.
	Hinge arm cover cap, plastic, black, compatible with Soft-close	-	F069073534

ACCESSORIES

	Designation	Art. No.		Designation	Art. No.
	Hinge cup cover cap, steel, nickel-plated, not imprinted	F069073687		Soft-close Click-on adapter	F069073715
	Soft-close Pin	F069066528			

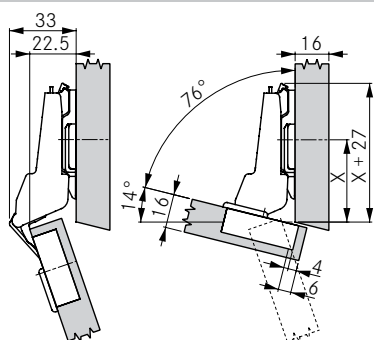
PAGE REFERENCES

Nexis Click-on mounting plates	146	Soft-close	160		
Accessories	154	Assembly technology	225		
Technical information	156	Assembly aids	230		

PLANNING DIMENSIONS

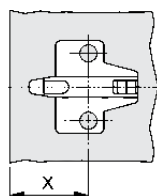
All dimensions in millimetres

Half overlay



Mounting plate height 2

		Cup distance					
		3	4	5	6		
Door overlay	10				0		
	9			0			
	8		0		2		
	7	0		2	3		
	6		2	3	4		
	5	2	3	4			
	4	3	4				
	3	4					
		Mounting plate height					



	Mounting plate height				
	0	2	3	4	
X	38.5	39.0	39.0	39.5	
	Mounting plate position				

MINIMUM GAP

		Cup distance					
		3	4	5	6		
Door thickness	16	0.5	1.0	1.8	2.6		
	18	1.3	2.1	2.9	3.7		
	19	1.9	2.7	3.5	4.3		
	20	2.4	3.2	4.0	4.8		
		Minimum gap					

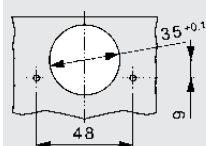
NOTES

The minimum gap is the clearance required between the front edge of the cabinet and the closed door so that the door can be opened without hindrance.

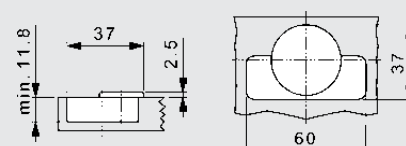
We recommend a trial fitting.

DRILLING PATTERNS

For screw fitting



CUP DIMENSIONS



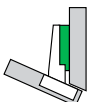
NEXIS CLICK-ON 29/-24

-24° corner cabinet hinge



- For -24° angled cabinets
- 125° opening angle
- With self-closing mechanism (spring)
- 3-dimensional adjustment with corresponding mounting plate

ORDER INFORMATION

Door overlay		Material			With spring	Art. No.	
		Cup	Arm			Click-on for screw fitting	
Half overlay		Steel, nickel-plated	Zamak, nickel-plated		■	F015072829	

COVER CAP

	Designation	Imprinted/embossed	Art. No.
	Hinge arm cover cap, steel, short, nickel-plated, not imprinted, compatible with Soft-close	On request	F069073570

ACCESSORIES

	Designation	Art. No.		Designation	Art. No.
	Hinge cup cover cap, steel, nickel-plated, not imprinted	F069073687			
	Soft-close Pin	F069066528			

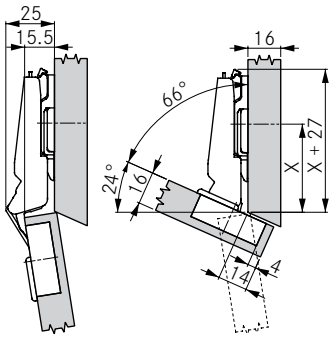
PAGE REFERENCES

Nexis Click-on mounting plates	146	Soft-close Pin	166		
Accessories	154	Assembly technology	225		
Technical information	156	Assembly aids	230		

PLANNING DIMENSIONS

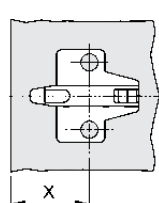
All dimensions in millimetres

Half overlay



Mounting plate height 2

Door overlay	Cup distance					
	3	4	5	6		
	18			0		
	17		0			
	16	0		2		
	15	0	2	3		
	14	2	3	4		
	13	2	3	4		
	12	3	4			
	11	4				
Mounting plate height						



Mounting plate height					
	0	2	3	4	
X	42.5	43.5	44.0	44.5	
Mounting plate position					

MINIMUM GAP

Door thickness	Cup distance					
	3	4	5	6		
	16	0.5	1.0	1.8	2.6	
	18	1.3	2.1	2.9	3.7	
	19	1.9	2.7	3.5	4.3	
	20	2.4	3.2	4.0	4.8	
Minimum gap						

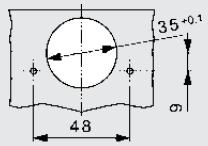
NOTES

The minimum gap is the clearance required between the front edge of the cabinet and the closed door so that the door can be opened without hindrance.

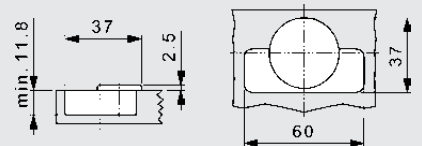
We recommend a trial fitting.

DRILLING PATTERNS

For screw fitting



CUP DIMENSIONS



NEXIS CLICK-ON 05/90/4

95° blind corner hinge (door thicknesses up to 30 mm)



- For direct installation on protruding posts
- 95° opening angle
- Optimal reveal for door thicknesses up to 30 mm
- Compatible with Soft-close
- With self-closing mechanism (spring)
- 3-dimensional adjustment with corresponding mounting plate

ORDER INFORMATION

Door overlay		Material			With spring	Art. No.	
		Cup	Arm			Click-on for screw fitting	Click-on for press fitting
Inset		Steel, nickel-plated	Zamak, nickel-plated		■	F015072788	F015072787

COVER CAP

	Designation	Imprinted/embossed	Art. No.
	Hinge arm cover cap, steel, short, nickel-plated, not imprinted, compatible with Soft-close	On request	F069073570

ACCESSORIES

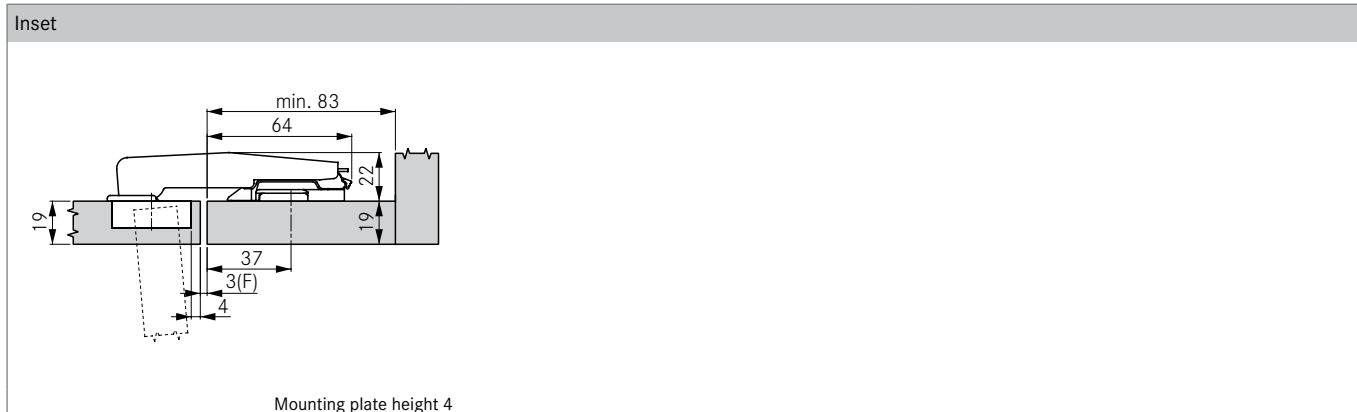
	Designation	Art. No.		Designation	Art. No.
	Hinge cup cover cap, steel, nickel-plated, not imprinted	F069073687		Soft-close Click-on adapter	F069073715
	Soft-close Pin	F069066528			

PAGE REFERENCES

Nexis Click-on mounting plates	146	Soft-close	160		
Accessories	154	Assembly technology	225		
Technical information	156	Assembly aids	230		

PLANNING DIMENSIONS

All dimensions in millimetres



MINIMUM REVEAL

	Cup distance					
	3	4	5	6		
16	0.1	0.1	0.1	0.1		
18	0.2	0.2	0.2	0.2		
19	0.3	0.3	0.3	0.3		
20	0.4	0.4	0.4	0.4		
22	0.7	0.7	0.7	0.7		
24	1.0	1.0	1.0	1.0		
26	1.4	1.4	1.4	1.4		
28	1.9	1.9	1.9	1.9		
30	3.8	2.9	2.6	2.5		
Minimum reveal (F)						

NOTES

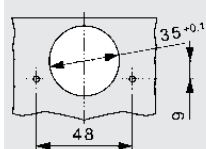
Important: Reveals were determined with a (door) edge radius of 1 mm.

Hinge dimensions and reveal calculation with factory setting.

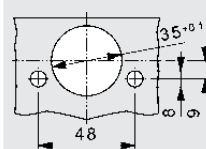
We recommend a trial fitting.

DRILLING PATTERNS

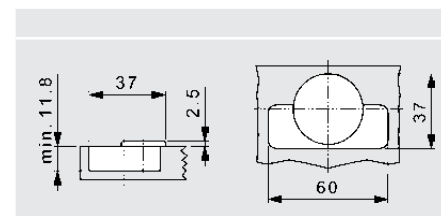
For screw fitting



For press fitting



CUP DIMENSIONS



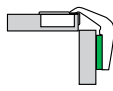
NEXIS CLICK-ON PCC

Pie-cut corner hinge (for corner applications)



- For connecting two corner cabinet doors
- For door thicknesses of 14–22 mm
- With self-closing mechanism (spring)
- 3-dimensional adjustment with corresponding mounting plate

ORDER INFORMATION

		Material			With spring	Art. No.	
		Cup	Arm			Click-on for screw fitting	
		Zamak, nickel-plated	Zamak, nickel-plated		■	F015072858	

COVER CAP

	Designation	Imprinted/embossed	Art. No.
	Hinge arm cover cap, steel, short, nickel-plated, not imprinted, compatible with Soft-close	On request	F069073570

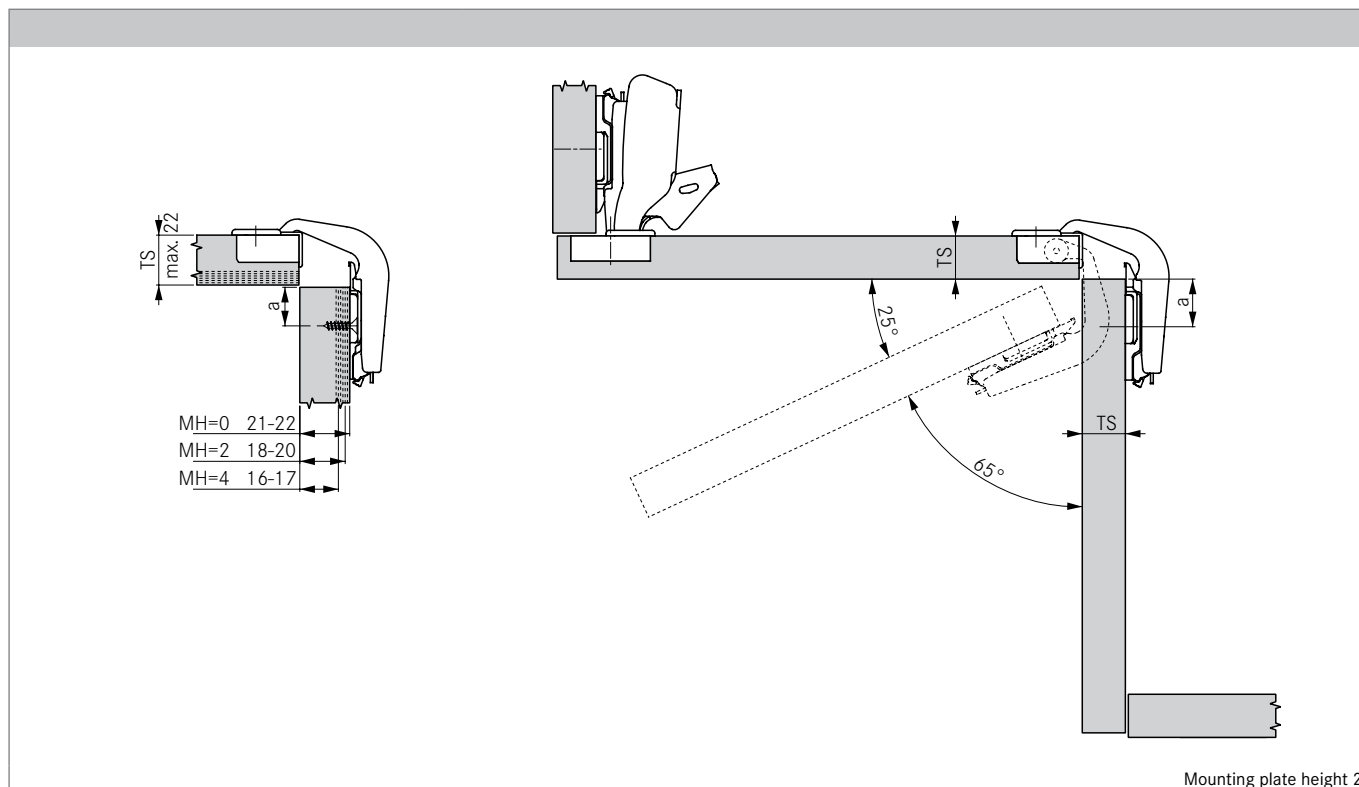
PAGE REFERENCES

Nexis Click-on mounting plates	146
Accessories	154
Technical information	156

Assembly technology	225
Assembly aids	230

PLANNING DIMENSIONS

All dimensions in millimetres



DISTANCE TABLE

	Mounting plate height					
	0	2	4			
Door thickness	16		25			
	17		24			
	18	22				
	19	21				
	20	20				
	21	18				
	22	17				
Distance (a)						

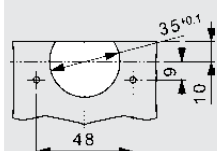
NOTES

Hinge dimensions and reveal calculation with factory setting.

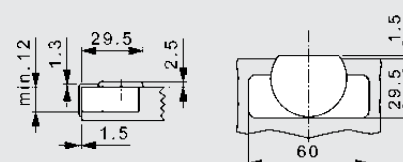
We recommend a trial fitting.

DRILLING PATTERNS

For screw fitting



CUP DIMENSIONS



NEXIS CLICK-ON 17

95° hinge (door thicknesses up to 19 mm)



- 95° opening angle
- Optimal reveal for doors up to 19 mm
- Suitable for small doors and doors with narrow frames
- With self-closing mechanism (spring)
- 3-dimensional adjustment with corresponding mounting plate

ORDER INFORMATION

Door overlay		Material		Cranking	With spring	Art. No.	
		Cup	Arm			Click-on for screw fitting	
Full overlay		Steel, nickel-plated	Steel, nickel-plated	0	■	F015072795	
Half overlay		Steel, nickel-plated	Zamak, nickel-plated	8	■	F015072798	

COVER CAPS

	Designation	Cranking	Imprinted/embossed	Art. No.
	Hinge arm cover cap, steel, short, nickel-plated, not imprinted, compatible with Soft-close	0/8	On request	F069073570
	Hinge arm cover cap, steel, open, nickel-plated, not imprinted, compatible with Soft-close	15	On request	F069073669

ACCESSORIES

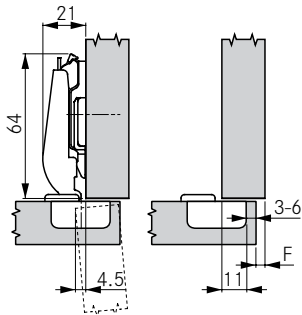
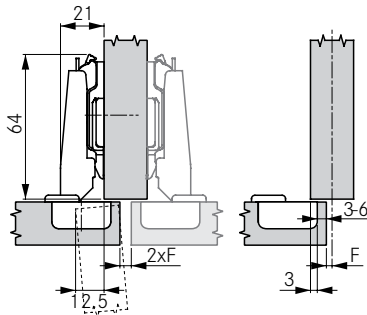
	Designation	Art. No.		Designation	Art. No.
	Soft-close Pin	F069066528			

PAGE REFERENCES

Nexis Click-on mounting plates	146	Soft-close Pin	166		
Accessories	154	Assembly technology	225		
Technical information	156	Assembly aids	230		

PLANNING DIMENSIONS

All dimensions in millimetres

Full overlay		K0	Half overlay	K8			
							
Mounting plate height 2			Mounting plate height 2				
Door overlay	0	Cup distance					
		3	4	5	6		
	19				0		
	18			0			
	17		0		2		
	16	0		2	3		
	15		2	3	4		
	14	2	3	4			
	13	3	4				
	12	4					
Mounting plate height							
Door overlay	8	Cup distance					
		3	4	5	6		
	11				0		
	10			0			
	9		0		2		
	8	0		2	3		
	7		2	3	4		
	6	2	3	4			
	5	3	4				
	4	4					
Mounting plate height							

MINIMUM GAP

Door thickness	Cup distance					
	3	4	5	6		
	16	0.0	0.0	0.0	0.0	
	18	0.0	0.0	0.0	0.0	
	19	0.0	0.0	0.0	0.0	
	20	0.0	0.0	0.0	0.0	
	22	0.0	0.0	0.0	0.2	
Minimum gap						

MINIMUM REVEAL

Door thickness	Cup distance					
	3	4	5	6		
	16	1.0	1.0	1.0	1.0	
	18	1.7	1.6	1.5	1.5	
	19	2.7	2.5	2.2	2.2	
	20	3.4	2.9	2.5	2.3	
	22	5.2	4.6	4.1	3.7	
Minimum reveal (F)						

NOTES

The minimum gap is the clearance required between the front edge of the cabinet and the closed door so that the door can be opened without hindrance.

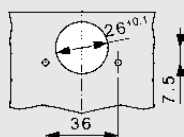
Important: Reveals were determined with a (door) edge radius of 1 mm.

Hinge dimensions and reveal calculation with factory setting.

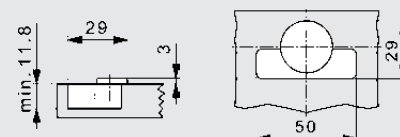
We recommend a trial fitting.

DRILLING PATTERNS

For screw fitting



CUP DIMENSIONS



NEXIS CLICK-ON 17 GL

95° glass door hinge (glass thicknesses from 4 to 6 mm)



- Glass door hinge, 26 mm cup
- For glass thicknesses from 4 to 6 mm
- 95° opening angle
- With self-closing mechanism (spring)
- 3-dimensional adjustment with corresponding mounting plate

ORDER INFORMATION

Door overlay		Material		Cranking	With spring	Art. No.	
		Cup	Arm			Click-on for screw fitting	
Full overlay		Plastic, black	Steel, nickel-plated	0	■	F015072803	
Half overlay		Plastic, black	Zamak, nickel-plated	8	■	F015072804	
Inset		Plastic, black	Zamak, nickel-plated	15	■	F015072805	

COVER CAPS

	Designation	Cranking	Imprinted/embossed	Art. No.
	Hinge arm cover cap, steel, short, nickel-plated, not imprinted, compatible with Soft-close	0/8	On request	F069073570
	Hinge arm cover cap, steel, open, nickel-plated, not imprinted, compatible with Soft-close	15	On request	F069073669

DECORATIVE PANELS

	Designation	Art. No.		Designation	Art. No.
	Nickel velour	F069073420		Nickel velour	F069073425
	Nickel polished, eroded	F069073421		Nickel polished, eroded	F069073414
	Brass polished, eroded	F069073422			
	Silver RAL 9006	F069073410			
	Black	F069073424			

ACCESSORIES

	Designation	Art. No.		Designation	Art. No.
	Soft-close Pin	F069066528			

PAGE REFERENCES

Nexis Click-on mounting plates	146	Technical information	156	Assembly technology	225
Accessories	154	Soft-close Pin	166	Assembly aids	230

PLANNING DIMENSIONS

All dimensions in millimetres

Full overlay K0

Mounting plate height 2

	Cup distance					
	4	5	6			
0			0			
19						
18		0				
17	0		2			
16		2	3			
15	2	3	4			
14	3	4				
13	4					

Door overlay

Mounting plate height

Half overlay K8

Mounting plate height 2

	Cup distance					
	4	5	6			
8						
11			0			
10		0				
9	0		2			
8		2	3			
7	2	3	4			
6	3	4				
5	4					

Door overlay

Mounting plate height

Inset K15

Mounting plate height 4

	Cup distance					
	4	5	6			
15						
0	2	3	4			
1	3	4				
2	4					

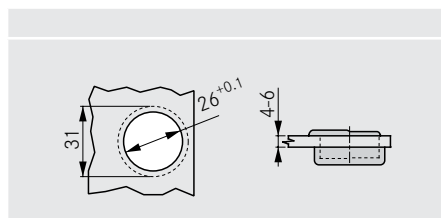
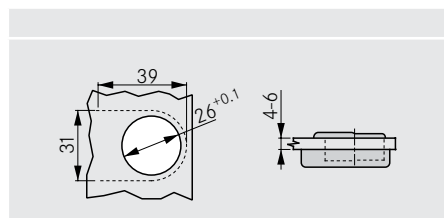
Door reveal

Mounting plate height

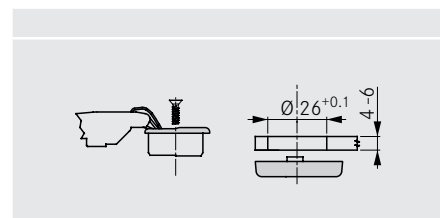
NOTE

Hinge dimensions and reveal calculation with factory setting.

DRILLING PATTERNS



CUP DIMENSIONS



NEXIS CLICK-ON 07 MIRRO

128° mirror and glass door hinge



- 128° opening angle
- Compatible with Soft-close
- Attachment by gluing a stainless steel adapter onto the door
- Connection of hinge to adapter via cam
- Quick final assembly without drilling into glass
- 3-dimensional adjustment with corresponding mounting plate

Available in two versions:

- With self-closing mechanism (spring)
- Without self-closing mechanism (spring) for the use of Tipmatic

ORDER INFORMATION

Door overlay	Material			With spring	Art. No.	
	Cup	Arm			Click-on for screw fitting	
	Zamak, nickel-plated	Zamak, nickel-plated		■	F015072861	
				–	F015072863	

COVER CAP

	Designation	Imprinted/embossed	Art. No.
	Hinge arm cover cap, steel, short, nickel-plated, not imprinted, compatible with Soft-close	On request	F069073570

ACCESSORIES

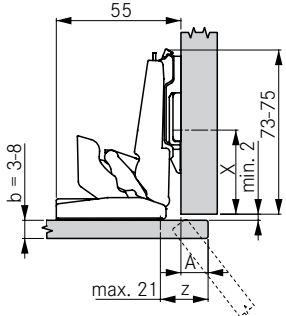
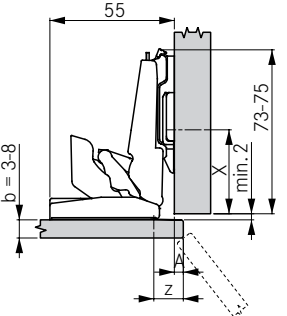
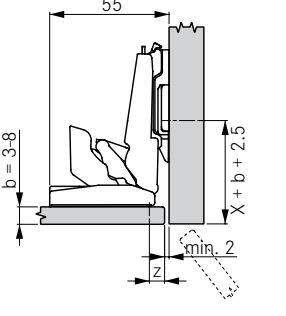
	Designation	Art. No.		Designation	Art. No.
	Tipmatic Pin for glass/mirror doors	F069135396		Soft-close Mirro	F069073711
	Soft-close Pin	F069066528		Mirro stainless steel adapter	F069073731

PAGE REFERENCES

Nexis Click-on mounting plates	146	Soft-close Mirro	164	Assembly aids	230
Accessories	154	Tipmatic	168		
Technical information	156	Assembly technology	225		

PLANNING DIMENSIONS

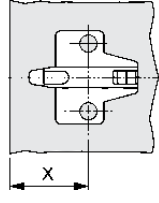
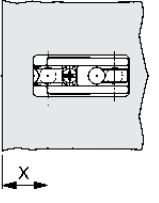
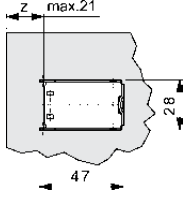
All dimensions in millimetres

Full overlay	Half overlay	Inset
 Mounting plate height 2	 Mounting plate height 2	 Mounting plate height 2

CROSS MOUNTING PLATE

LINEAR MOUNTING PLATE

STAINLESS STEEL ADAPTER

Cross Mounting Plate						Linear Mounting Plate						Stainless Steel Adapter					
																	
Hole spacing						Hole spacing						Hole spacing					
Mounting plate height						Mounting plate height						Mounting plate height					
0	2	4				0	2	4				0	2	4			
28	37	37	37			13.5	22.5	22.5	22.5			z	A+7	A+9	A+11		
37	46	46	46			22	31	31	31			A	Max. 14	Max. 12	Max. 10		
X mounting plate position						X mounting plate position						z = adhesive position					

NUMBER OF HINGES

SA	2	3	4	5
2450 mm	18-22 kg	13-17 kg	7-12 kg	4-6 kg
2200 mm				
1600 mm				
900 mm				

NOTES

The door overlay (A) on the cabinet side depends on the gluing distance of the hinge seat (z) and the mounting plate height. The maximum overlay is 16 mm when using a mounting plate height of 0 and using the adjustment facility.

An inset application is achieved by altering the fixing distance of the mounting plate (X) and reducing the gluing distance.

① **Important:** For mirror or glass doors, all reveals must be at least 2 mm (otherwise there is a risk of breakage).

The inside edge of the door must not touch the cabinet when opened.

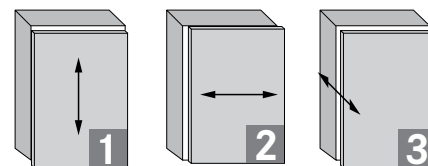
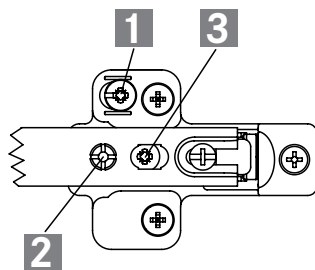
① **Installation advice:** Please contact your glass or door supplier regarding the selection and application of the adhesive for fixing the hinge seat to mirror or glass doors.

① **Liability claims:** Please note that GRASS does not assume any liability for the adhesive and the gluing technique used, nor for any resulting claims.

① **Important:** Mirro hinges must not be used with cam mounting plates.

NEXIS IMPRESSO/CLICK-ON

Mounting plates



Height
adjustment
+/- 2 mm

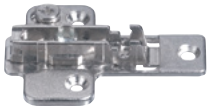
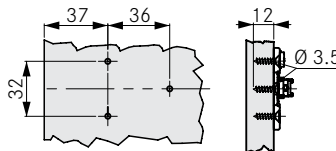
Side
adjustment
+1/-3 mm

Depth
adjustment
+3/-1 mm

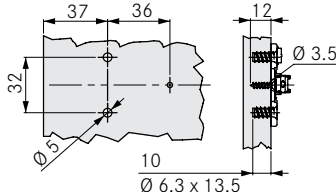
All adjustments can be carried out independently of each other.

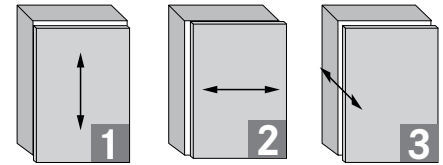
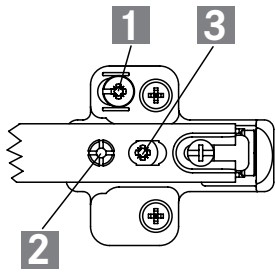
ORDER INFORMATION

2D CROSS MOUNTING PLATE, 3-POINT FIXING

For screw fitting	37/32	Height	Art. No.
- Steel/zamak, nickel-plated - Fixing with wood screws - Mounting distance 37 mm - Hole spacing 32 mm - Height and depth adjustment via cam 		0	F061073214
		2	F061073215
		4	F061073216
		6	F061073217
		8	F061073218

2D CROSS MOUNTING PLATE, 3-POINT FIXING

With pre-assembled Euro screws	37/32	Height	Art. No.
- Steel/zamak, nickel-plated - Fixing with pre-assembled Euro screws - Mounting distance 37 mm - Hole spacing 32 mm - Height and depth adjustment via cam 		0	F061073232
		2	F061073233



Height
adjustment
+/- 2 mm

Side
adjustment
+1/-3 mm

Depth
adjustment
+3/-1 mm

All adjustments can be carried out independently of each other.

ORDER INFORMATION

2D CROSS MOUNTING PLATE, 2-POINT FIXING

For screw fitting	37/32	Height	Art. No.
- Steel/zamak, nickel-plated - Fixing with wood screws - Mounting distance 37 mm - Hole spacing 32 mm - Height and depth adjustment via cam		0	F061073253
		2	F061073254
		4	F061073255
		6	F061073222
		8	F061073223

2D CROSS MOUNTING PLATE, 2-POINT FIXING

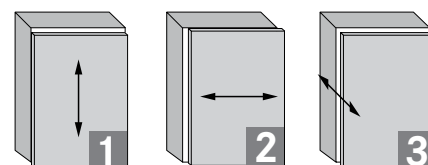
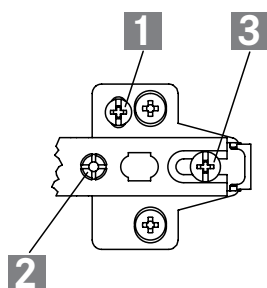
For Euro screws	37/32	Height	Art. No.
- Steel/zamak, nickel-plated - Fixing with Euro screws - Mounting distance 37 mm - Hole spacing 32 mm - Height and depth adjustment via cam		0	F061073227
		4	F061073229

2D CROSS MOUNTING PLATE, 2-POINT FIXING

With pre-assembled Euro screws	37/32	Height	Art. No.
- Steel/zamak, nickel-plated - Fixing with pre-assembled Euro screws - Mounting distance 37 mm - Hole spacing 32 mm - Height and depth adjustment via cam		0	F061073236
		2	F061073237
		4	F061073238
		6	F061073239
		8	F061073240

NEXIS IMPRESSO/CLICK-ON

Mounting plates



Height
adjustment
+/- 2 mm

Side
adjustment
+1/-3 mm

Depth
adjustment
+3/-1 mm

All adjustments can be carried out independently of each other.

ORDER INFORMATION

2-PART CROSS MOUNTING PLATE, 3-POINT FIXING

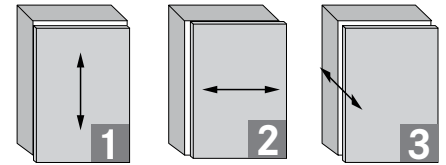
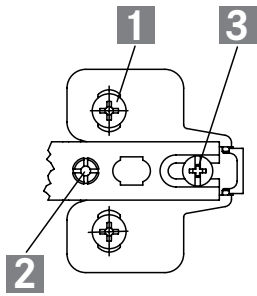
For screw fitting	37/32	Height	Art. No.
- Steel/zamak, nickel-plated - Fixing with wood screws - Mounting distance 37 mm - Hole spacing 32 mm		0	F060073148
		2	F060073150
		4	F060073151
		8	F060073152
		18	F060073153

2-PART CROSS MOUNTING PLATE, 3-POINT FIXING

For Euro screws	37/32	Height	Art. No.
- Steel/zamak, nickel-plated - Fixing with Euro screws - Mounting distance 37 mm - Hole spacing 32 mm		0	F060073156
		2	F060073157
		4	F060073158
		8	F060073159

2-PART CROSS MOUNTING PLATE, 3-POINT FIXING

With pre-assembled Euro screws	37/32	Height	Art. No.
- Steel/zamak, nickel-plated - Fixing with pre-assembled Euro screws - Mounting distance 37 mm - Hole spacing 32 mm		2	F060073172
		4	F060073173
		8	F060073174
		18	F060073175



Height
adjustment
+/- 2 mm

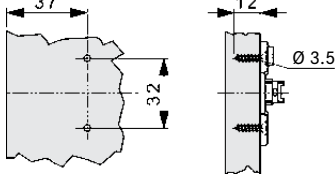
Side
adjustment
+1/-3 mm

Depth
adjustment
+3/-1 mm

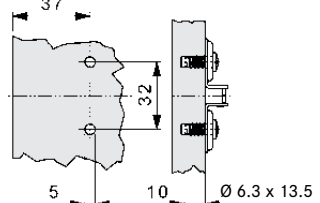
All adjustments can be carried out independently of each other.

ORDER INFORMATION

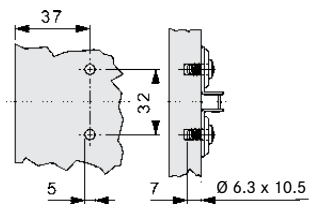
1-PART CROSS MOUNTING PLATE, 2-POINT FIXING

For screw fitting	37/32	Height	Art. No.
- Steel, nickel-plated - Fixing with wood screws - Mounting distance 37 mm - Hole spacing 32 mm - Height adjustment by means of slot 		0	F060073144
		2	F060073145
		3	F060073209
		4	F060073146

1-PART CROSS MOUNTING PLATE, 2-POINT FIXING

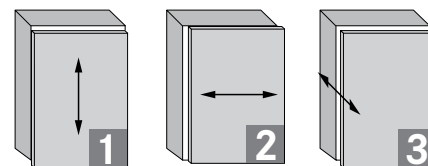
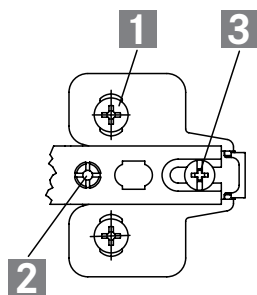
With pre-assembled Euro screws	37/32	Height	Art. No.
- Steel, nickel-plated - Fixing with pre-assembled 13.5 mm long Euro screws - Mounting distance 37 mm - Hole spacing 32 mm - Height adjustment by means of slot 		0	F060073179
		2	F060073180
		4	F060073181

1-PART CROSS MOUNTING PLATE, 2-POINT FIXING FOR TWIN APPLICATION

With pre-assembled Euro screws	37/32	Height	Art. No.
- Steel, nickel-plated - Fixing with pre-assembled 10.5 mm long Euro screws - Mounting distance 37 mm - Hole spacing 32 mm - Height adjustment by means of slot - For twin application 		2	F060073202

NEXIS IMPRESSO/CLICK-ON

Mounting plates



Height
adjustment
+/- 2 mm

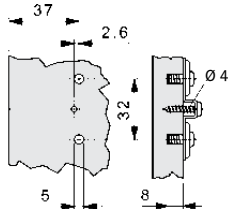
Side
adjustment
+1/-3 mm

Depth
adjustment
+3/-1 mm

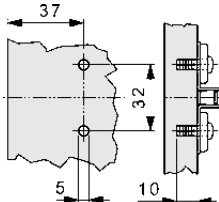
All adjustments can be carried out independently of each other.

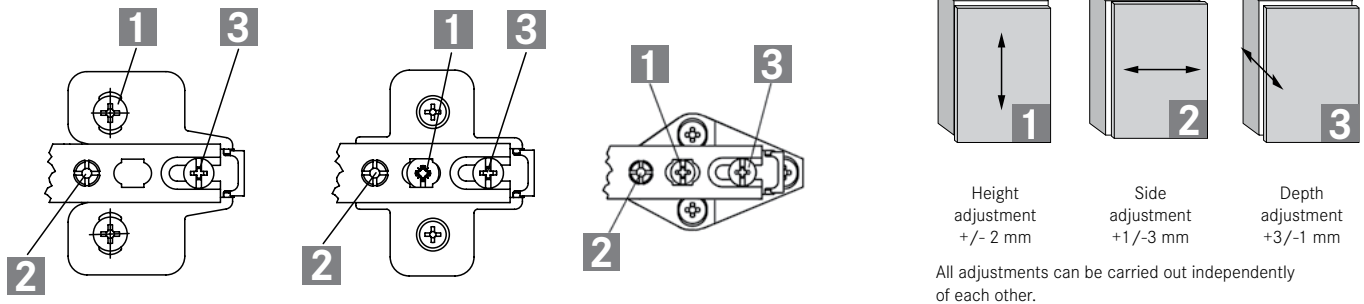
ORDER INFORMATION

1-PART CROSS MOUNTING PLATE, 3-POINT FIXING

With expansion dowel	37/32	Height	Art. No.
- Steel, nickel-plated - Fixing with 5 mm expansion dowels - Mounting distance 37 mm - Hole spacing 32 mm - Height adjustment by means of slot  ⓘ Plate must not be screwed on using a cordless screwdriver.		0	F060073185
		2	F060073186
		4	F060073187

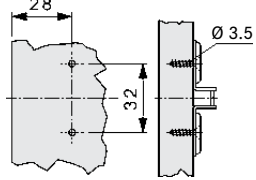
1-PART CROSS MOUNTING PLATE, 2-POINT FIXING

With expansion dowel bridge	37/32	Height	Art. No.
- Steel, nickel-plated - Fixing with 5 mm expansion dowel bridge - Mounting distance 37 mm - Hole spacing 32 mm - Height adjustment by means of slot 		2	F060073183

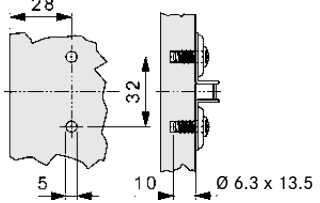


ORDER INFORMATION

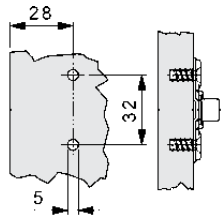
1-PART MOUNTING PLATE, 2-POINT FIXING, MOUNTING DISTANCE 28 MM

For screw fitting	28/32	Height	Art. No.
- Steel, nickel-plated - Fixing with wood screws - Mounting distance 28 mm - Hole spacing 32 mm - Height adjustment by means of slot  		2	F060073140

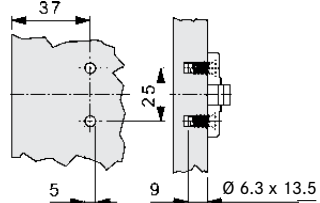
1-PART MOUNTING PLATE, 2-POINT FIXING, MOUNTING DISTANCE 28 MM

With pre-assembled Euro screws	28/32	Height	Art. No.
- Steel, nickel-plated - Fixing with pre-assembled Euro screws - Mounting distance 28 mm - Hole spacing 32 mm - Height adjustment by means of slot  		0	F060073162
		2	F060073163
		4	F060073164

2-PART MOUNTING PLATE, 2-POINT FIXING, MOUNTING DISTANCE 28 MM

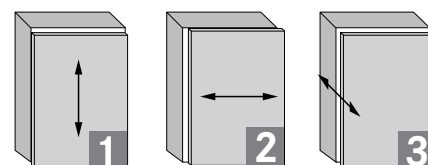
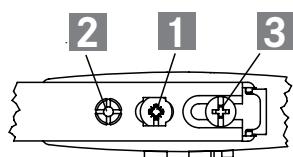
For Euro screws	28/32	Height	Art. No.
- Steel/zamak, nickel-plated - Fixing with Euro screws - Mounting distance 28 mm - Hole spacing 32 mm - Height adjustment  		2	F060073154

1-PART MOUNTING PLATE, 2-POINT FIXING, MOUNTING DISTANCE 37 MM, HOLE SPACING 25 MM

For Euro screws	37/25	Height	Art. No.
- Zamak, nickel-plated - Fixing with Euro screws - Mounting distance 37 mm - Hole spacing 25 mm - Height adjustment  		2	F061073268

NEXIS IMPRESSO/CLICK-ON

Mounting plates



Height
adjustment
+/- 2 mm

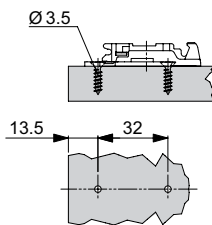
Side
adjustment
+1/-3 mm

Depth
adjustment
+3/-1 mm

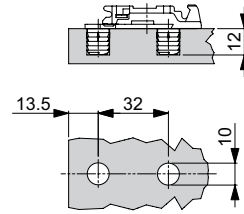
All adjustments can be carried out independently of each other.

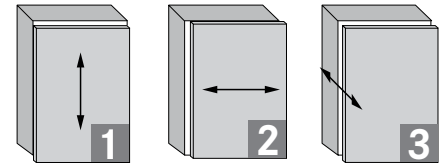
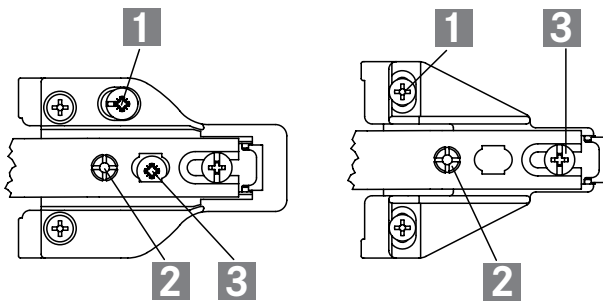
ORDER INFORMATION

1D LINEAR MOUNTING PLATE, 2-POINT FIXING

For screw fitting	13.5/32	Height	Art. No.
- Steel/zamak, nickel-plated - Fixing with wood screws - Height adjustment via cam 		0	F060073129
		2	F060073130
		4	F060073205

1D LINEAR MOUNTING PLATE, 2-POINT FIXING

For press fitting	13.5/32	Height	Art. No.
- Steel/zamak, nickel-plated - Fixing with 10 mm dowels - Height adjustment via cam 		3	F060073210



Height
adjustment
+/- 2 mm

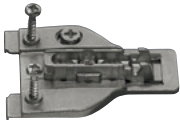
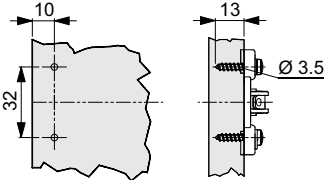
Side
adjustment
+1/-3 mm

Depth
adjustment
+3/-1 mm

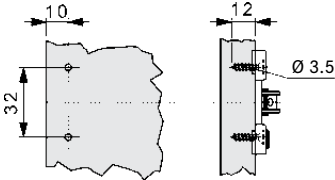
All adjustments can be carried out independently of each other.

ORDER INFORMATION

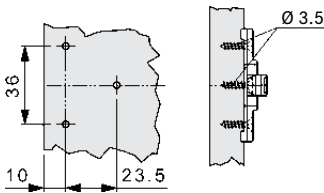
2D SPECIAL MOUNTING PLATE FOR FRAME CONSTRUCTION

With pre-assembled wood screws	10/32	Height	Art. No.
- Steel/zamak, nickel-plated - Fixing with pre-assembled wood screws - Height and depth adjustment via cam 		0	F061073283
		2	F061073284
		4	F061073285

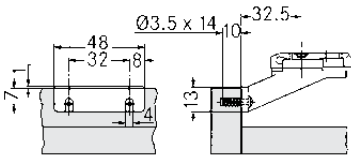
2D SPECIAL MOUNTING PLATE FOR FRAME CONSTRUCTION

For screw fitting	10/32	Height	Art. No.
- Steel/zamak, nickel-plated - Fixing with wood screws - Height and depth adjustment via cam 		0	F061073279
		2	F061073280
		4	F061073281

SPECIAL MOUNTING PLATE FOR FRAME CONSTRUCTION

For screw fitting	10/36	Height	Art. No.
- Zamak, nickel-plated - Fixing with wood screws - Height adjustment by means of slot 		0	F061073275
		2	F061073276
		4	F061073277

2-PART SPECIAL MOUNTING PLATE FOR FRAME CONSTRUCTION

For screw fitting		Height	Art. No.
- For inset doors - For hinges, cranking 8 - Zamak, nickel-plated - Fixing with wood screws - Height adjustment 		2	F061073278

NEXIS IMPRESSO/CLICK-ON

Accessories

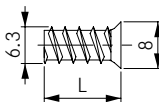
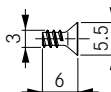
COVER CAPS

	Designation	Cranking	Imprinted/embossed	Art. No.
	Hinge arm cover cap, steel, short, nickel-plated, not imprinted, compatible with Soft-close	0	On request	F069073570
	Hinge arm cover cap, steel, open, nickel-plated, not imprinted, compatible with Soft-close	8/15	On request	F069073669
	Hinge arm cover cap, plastic, black, compatible with Soft-close	-	-	F069073534
	Click-on hinge cup cover cap, steel, nickel-plated, not imprinted	-	-	F069073687

OPENING ANGLE REDUCTION CLIP

	Designation			Art. No.
	120° opening angle reduction clip for 170° wide-angle hinge. Prevents the door from hitting the cabinet when inset. Plastic, black			F069073401

FASTENING SCREWS

	Designation			Art. No.
	Euro screw, nickel-plated, Ø 6.3 mm	L = 10.5		F146073979
	Steel cup fastening screw for aluminium frame hinge, nickel-plated. M3 x 6 screw	L = 6		F069073405

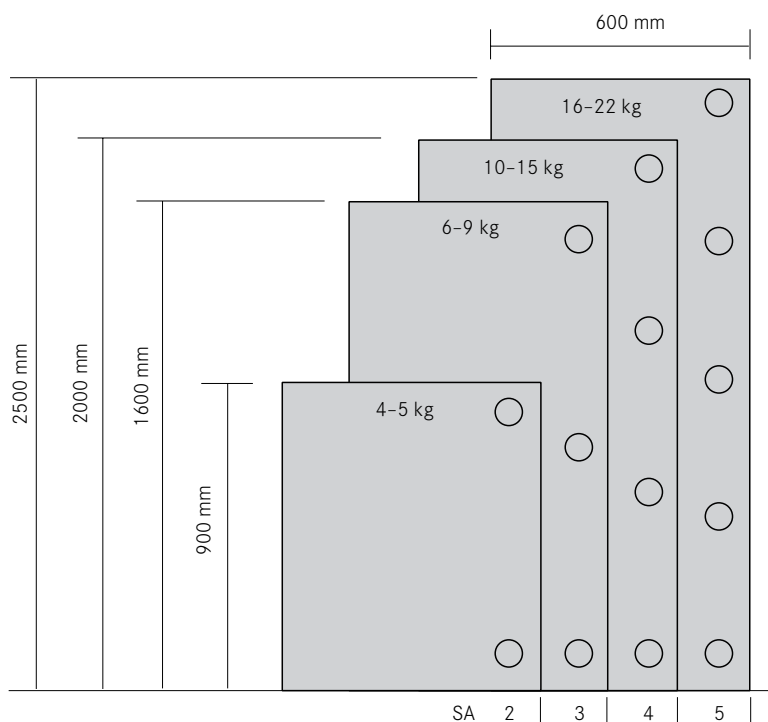
Technical information

NUMBER OF HINGES PER DOOR

Description

The decisive factors are door height, door weight, material quality, cup and mounting plate fixing. The load and height values are for standard door widths of 600 mm.

Hinges with cup Ø 26 mm were tested with door width 450 mm. In case of doubt, the number of hinges must be determined by means of a trial fitting.

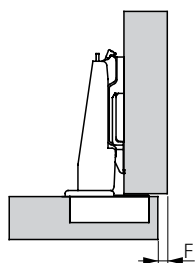


DOOR REVEAL AND MINIMUM REVEAL

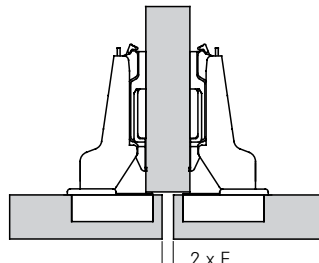
Description

The reveal is the distance between two doors or between the door and the cabinet side.

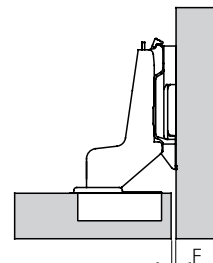
The minimum reveal (F) is the distance between two doors or between the door and the side wall. The gap allows the door to be opened without any collision.



Half door overlay



Inset door



Minimum reveal table

The required reveal width depends on the door thickness.

For example:

With a **door thickness** of **18 mm** and a **cup distance** of **6 mm**, a **reveal** of **0.2 mm** is required.

Important

Reveals were determined with a (door) edge radius of 1 mm. Hinge dimensions and reveal calculation with factory setting.

We recommend a trial fitting.

		Cup distance					
		3	4	5	6		
Door thickness	16	0.1	0.1	0.1	0.1		
	18	0.2	0.2	0.2	0.2		
	19	0.3	0.3	0.3	0.3		
	20	0.4	0.4	0.4	0.4		
	22	0.7	0.7	0.7	0.7		
	24	1.0	1.0	1.0	1.0		
	26	1.4	1.4	1.4	1.4		
	28	1.9	1.9	1.9	1.9		
	30	3.8	2.9	2.6	2.5		
		Minimum reveal (F)					

Achievable reveal with inset door

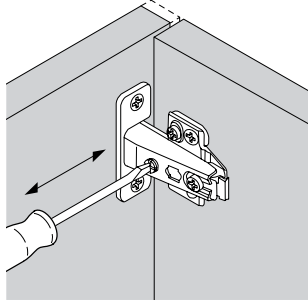
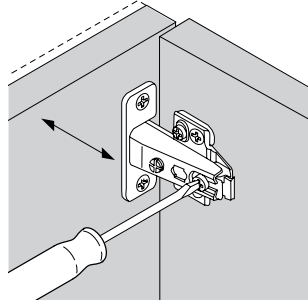
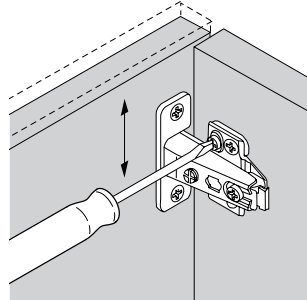
The table shows the reveal that can be achieved with an inset door depending on the cup distance and mounting plate height.

For example:

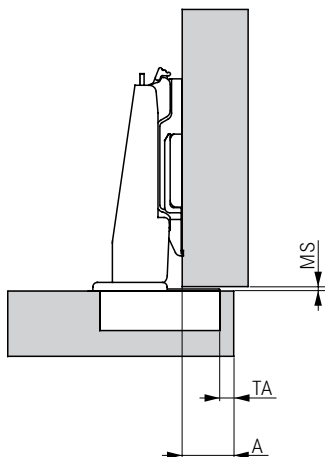
With a **cup distance** of 4 mm and a **mounting plate height** of 3 mm, there is a **reveal** of 1 mm.

Door reveal	15	Cup distance					
		3	4	5	6		
	0		2	3	4		
	1	2	3	4			
	2	3	4				
	Mounting plate height						

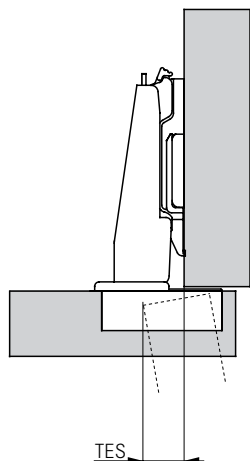
ADJUSTMENTS

Description	Side adjustment +1/-3 mm	Depth adjustment +3/-1 mm	Height adjustment +/- 2 mm
The possibility of height adjustment depends on the type of mounting plate. All adjustments can be carried out independently of each other.			

MINIMUM GAP – CUP DISTANCE

Description		Example						
The minimum gap (MS) is the clearance required between the front edge of the cabinet and the closed door so that the door can be opened without hindrance. The cup distance (TA) is the distance between the door edge and the edge of the cup hole.		With a door thickness of 26 mm and a cup distance of 6 mm, the minimum gap is 0.7 mm.						
								
Door thickness		Cup distance						
		3	4	5	6			
	16	0.5	0.5	0.5	0.5			
	18	0.5	0.5	0.5	0.5			
	19	0.5	0.5	0.5	0.5			
	20	0.0	0.0	0.0	0.5			
	22	0.5	0.5	0.5	0.5			
	24	0.5	0.5	0.5	0.5			
	26	0.5	0.5	0.5	0.7			
	28	0.5	0.5	0.5	0.9			
	30	0.5	0.5	1.1	1.1			
Minimum gap								

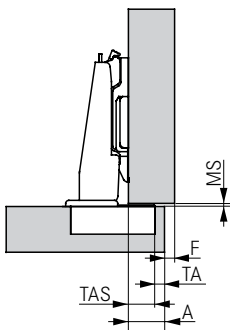
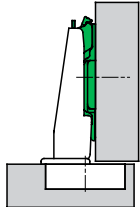
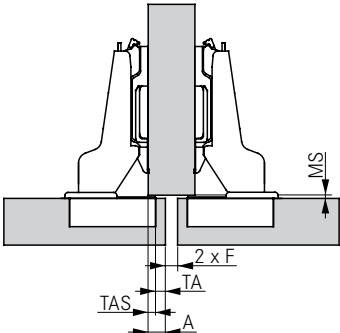
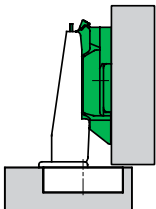
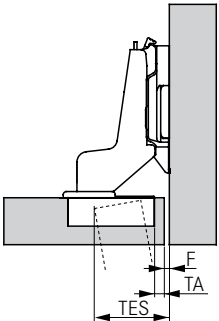
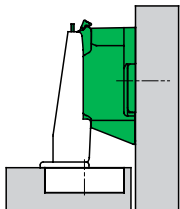
DOOR PROTRUSION/DOOR OVERLAY

Door protrusion		Door overlay																																																																																													
The door protrusion (TES) is obtained when the door is open and varies depending on the hinge type and application. It is specified on the individual catalogue page and relates to the mounting plate specified at the factory setting in each case. It changes when the mounting plate height is changed and the side adjustment is used.		The door overlay (A) is the part of the side wall or frame that is covered by the door. For example: For a hinge with cranking 8, mounting plate height 0 and a cup distance of 5 mm, the door overlay is 10 mm.	<table><tr><th rowspan="12">Door overlay</th><th>8</th><th colspan="6">Cup distance</th></tr><tr><th></th><th>3</th><th>4</th><th>5</th><th>6</th><th></th><th></th></tr><tr><th>11</th><td></td><td></td><td></td><td>0</td><td></td><td></td></tr><tr><th>10</th><td></td><td></td><td>0</td><td></td><td></td><td></td></tr><tr><th>9</th><td></td><td>0</td><td></td><td>2</td><td></td><td></td></tr><tr><th>8</th><td>0</td><td></td><td>2</td><td>3</td><td></td><td></td></tr><tr><th>7</th><td></td><td>2</td><td>3</td><td>4</td><td></td><td></td></tr><tr><th>6</th><td>2</td><td>3</td><td>4</td><td></td><td></td><td></td></tr><tr><th>5</th><td>3</td><td>4</td><td></td><td></td><td></td><td></td></tr><tr><th>4</th><td>4</td><td></td><td></td><td></td><td></td><td></td></tr><tr><th></th><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><th></th><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><th colspan="7">Mounting plate height</th></tr></table>	Door overlay	8	Cup distance							3	4	5	6			11				0			10			0				9		0		2			8	0		2	3			7		2	3	4			6	2	3	4				5	3	4					4	4																				Mounting plate height						
Door overlay	8	Cup distance																																																																																													
		3	4		5	6																																																																																									
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	7		2		3	4																																																																																									
	6	2	3		4																																																																																										
	5	3	4																																																																																												
	4	4																																																																																													
Mounting plate height																																																																																															

NEXIS IMPRESSO/CLICK-ON

Technical information

OPTION TO CHANGE THE DOOR OVERLAY

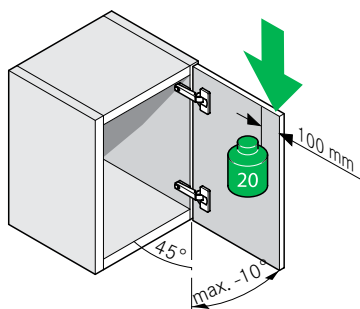
After selecting the cranking	By using a different mounting plate height
Full overlay (cranking 0) The cup overlay (TAS/factory setting) plus cup distance (TA) provides the door overlay (A). The dimensions can be found in the table on the respective catalogue page. 	Full overlay Hinge with cranking 0 and mounting plate height 0 
Half overlay (cranking 8) The cup overlay (TAS/factory setting) plus cup distance (TA) provides the door overlay (A). The dimensions can be found in the table on the respective catalogue page. 	Half overlay Hinge with cranking 0 and mounting plate height 8 
Inset (cranking 15) There is no door overlay. The reveal (F) between the cabinet side and the door depends on the mounting plate height (MH) and the cup distance (TA). The dimensions can be found in the table on the respective catalogue page. 	Inset Hinge with cranking 0 and mounting plate height 18 

TEST CRITERIA FOR HINGES

Functional test

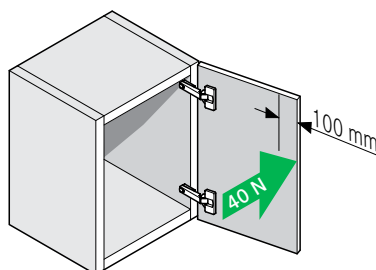
Static load, vertical

Additional load: 20 kg
Opening angle: max. -10°
Number: 10



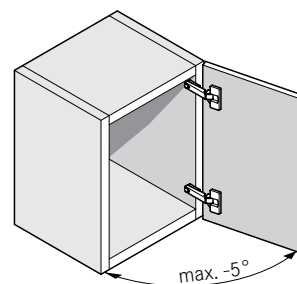
Static load, horizontal

Force: 40 N
Number: 10



Endurance test

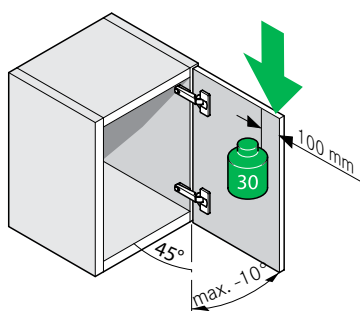
Opening angle: max. -5°
Opening and closing movements: 100,000



Overload test

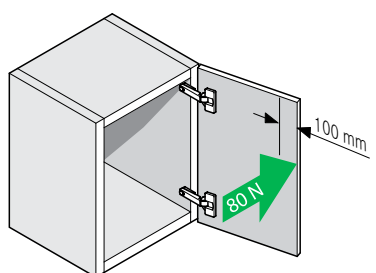
Vertical

Additional load: 30 kg
Opening angle: max. -10°
Number: 10



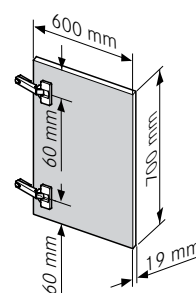
Horizontal

Force: 80 N
Number: 10



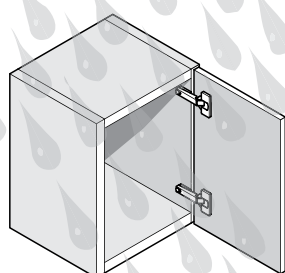
Test door

Weight approx. 5.2 kg



Salt spray and humidity test

Based on DIN ISO 9227 and DIN 6270-2



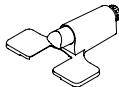
SOFT-CLOSE CLICK-ON

For Nexis Click-on 95°, 100°, 110° and 125° hinges



- Can be installed without tools – can also be retrofitted
- No additional holes on the cabinet or door
- Damping capacity can be adjusted individually
- Use damping system for hinges from the Nexis Click-on series

ORDER INFORMATION

Soft-close adapter	Art. No.
• Soft-close adapter incl. pre-assembled Soft-close damper for Nexis Click-on and Nexis Slide-on hinges 	F069073715

COVER CAPS

	Designation	Cranking	Imprinted/embossed	Art. No.
	Hinge arm cover cap, steel, short, nickel-plated, not imprinted, compatible with Soft-close	0	On request	F069073570
	Hinge arm cover cap, steel, open, nickel-plated, not imprinted, compatible with Soft-close	8/15	On request	F069073669

ACCESSORIES

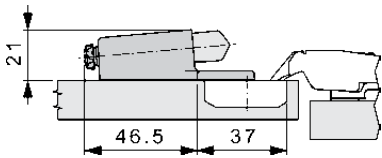
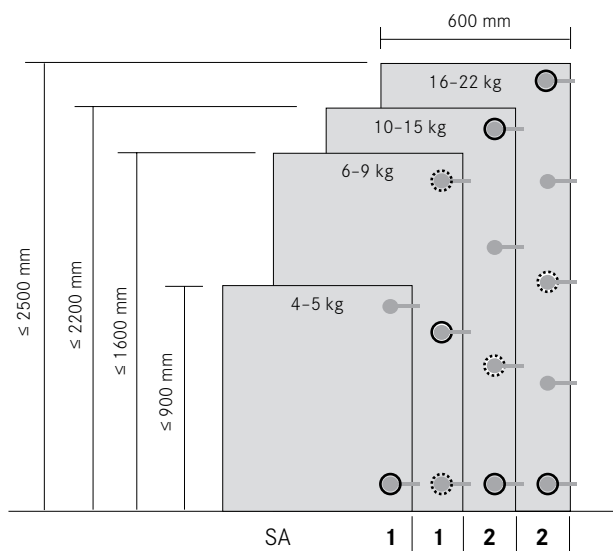
	Designation	Art. No.		Designation	Art. No.
	Hinge cup cover cap, steel, nickel-plated, not imprinted	F069073687			

PAGE REFERENCES

Nexis Click-on	112				

PLANNING DIMENSIONS

All dimensions in millimetres

Dimensions	Position for Soft-close Click-on
	 SA 1 1 2 2 ○ Recommended position for Soft-close Click-on ⊙ Position for additional Soft-close Click-on (if required)

Assembly	Soft-close Click-on – quick and easy to use
1  2  3  4  5  6  	1 With hinges of cranking 0 hinge arm – remove the cover cap (if present). 2 Engage the Soft-close Click-on adapter into the hinge cup at a slight angle with the two small hooks on the bottom. 3 Press both sides of the adapter down at the same time until it engages with an audible "click". 4 If desired, put on the short hinge arm cover cap (supplied in the set). 5 Soft-close Click-on can be finely tuned to different opening angles and crankings as required using the setting screw. 6 The cup cover (supplied in the set) for the hinge without Soft-close Click-on or Slide-on ensures a uniform appearance. NOTES When installing the furniture fittings, the specifications of GRASS from the applicable sales literature must be observed precisely, otherwise no liability will be assumed. If you require further information on installation and assembly, please contact one of our factories directly. Thank you for your understanding.

LEGEND

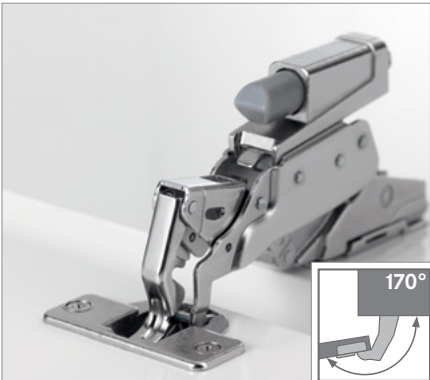
SA	Number of hinges
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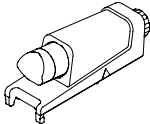
170° SOFT-CLOSE

For Nexis wide-angle hinges 170°



- For Nexis Impresso, Nexis Click-on and Nexis Slide-on 170° wide-angle hinges
- Can be installed without tools – can also be retrofitted
- No additional holes on the cabinet or door
- Damping capacity can be adjusted individually

ORDER INFORMATION

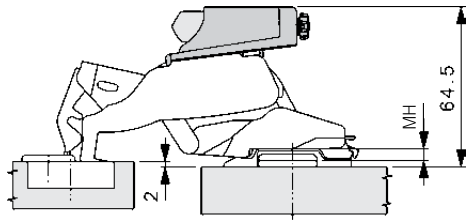
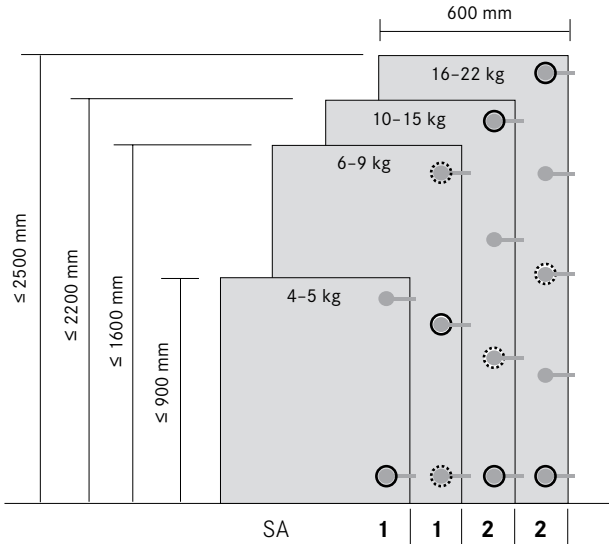
170° Soft-close		Art. No.
• Soft-close adapter for Nexis Impresso, Nexis Click-on and Nexis Slide-on 170° wide-angle hinges with pre-assembled Soft-close damper		 F069073729

PAGE REFERENCES

Nexis Click-on	112				

PLANNING DIMENSIONS

All dimensions in millimetres

Dimensions	Position for 170° Soft-close
 Drawing with mounting plate height 2	 ○ Recommended position for Soft-close 170° ⊙ Position for additional Soft-close 170° (if required)

Assembly		170° Soft-close – quick and easy to use
1	2	1 Engage the 170° Soft-close adapter into the recesses on the hinge arm at a slight angle with the two small hooks on the bottom. 2 Push down the adapter until it engages with an audible "click". NOTES When installing the furniture fittings, the specifications of GRASS from the applicable sales literature must be observed precisely, otherwise no liability will be assumed. If you require further information on installation and assembly, please contact one of our factories directly. Thank you for your understanding.

1 Engage the 170° Soft-close adapter into the recesses on the hinge arm at a slight angle with the two small hooks on the bottom.

2 Push down the adapter until it engages with an audible "click".

NOTES

When installing the furniture fittings, the specifications of GRASS from the applicable sales literature must be observed precisely, otherwise no liability will be assumed.

If you require further information on installation and assembly, please contact one of our factories directly.

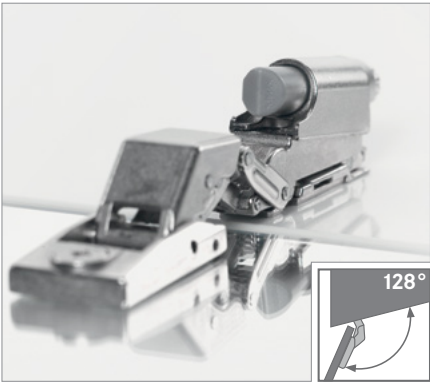
Thank you for your understanding.

LEGEND

MH	Mounting plate height
SA	Number of hinges

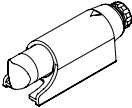
SOFT-CLOSE MIRRO

For Nexis Click-on Mirro hinges



- For Nexis Click-on Mirro and Mirro -15° hinges
- Can be installed without tools – can also be retrofitted
- No additional holes on the cabinet
- Damping capacity can be adjusted individually

ORDER INFORMATION

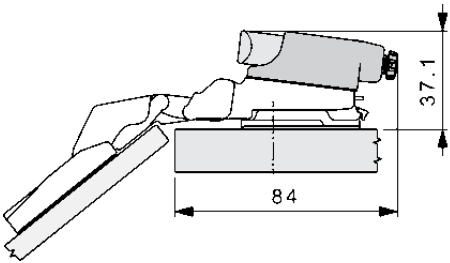
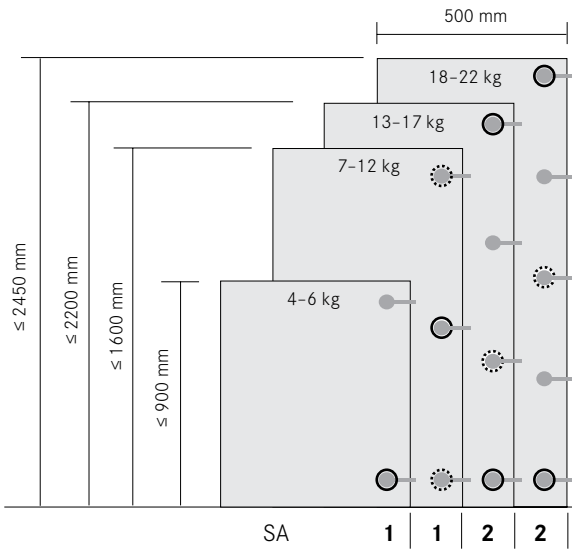
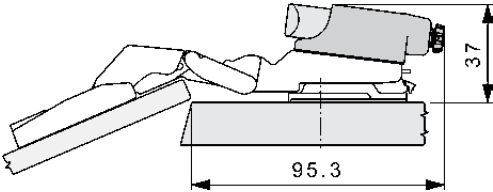
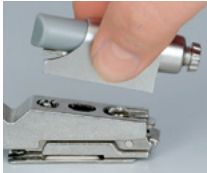
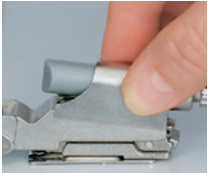
Soft-close Mirro		Art. No.
• Soft-close adapter with pre-assembled Soft-close damper for Nexis Click-on Mirro and Mirror -15° hinges 		F069073711

PAGE REFERENCES

Nexis Click-on 07/-15 Mirro	144

PLANNING DIMENSIONS

All dimensions in millimetres

Mirro dimensions	Position for Soft-close Mirro
 Drawing with mounting plate height 2	 SA 1 1 2 2 ○ Recommended position for Soft-close Mirro ⊙ Position for additional Soft-close Mirro (if required)
Mirro -15° dimensions	
 Drawing with mounting plate height 2	
Assembly	Soft-close Mirro – quick and easy to use
1  2 	1 Insert the Soft-close Mirro adapter into the recess in the hinge arm with the hook on the bottom. 2 Slide the adapter back until it engages with an audible "click". NOTES When installing the furniture fittings, the specifications of GRASS from the applicable sales literature must be observed precisely, otherwise no liability will be assumed. If you require further information on installation and assembly, please contact one of our factories directly. Thank you for your understanding.

LEGEND

SA Number of hinges

SOFT-CLOSE PIN

Pneumatic damper for doors



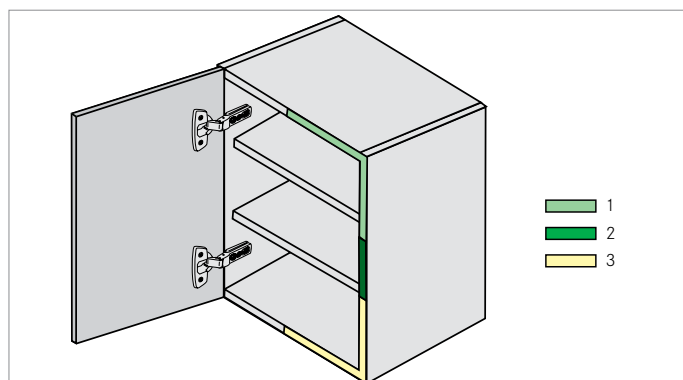
- Suitable for all door sizes, door shapes and materials
- Can also be retrofitted
- For drilling or for installation with adapter plate

ORDER INFORMATION

Soft-close Pin		For drilling	Art. No.
• Drill hole on front edge • For perfect appearance • Cup: plastic, anthracite • Piston: light grey			F069066528
Line hole adapter plate		For Euro screws	Art. No.
• Suitable for hole spacing 28 mm and 37 mm • Fixing with Euro screws (6.3 x 13.5) • Plastic, light grey			F069063310
Frame adapter plate		For screw fitting	Art. No.
• For quick retrofitting • Fixing with wood screws (3.5 x 13) • Plastic, light grey			F069073697
Linear adapter plate		For screw fitting	Art. No.
• Design solution – also in conjunction with inset doors • Fixing with wood screws (3.5 x 13) • Plastic, light grey			F069073696

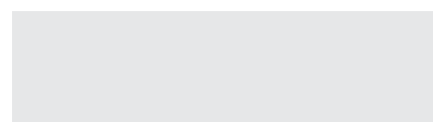
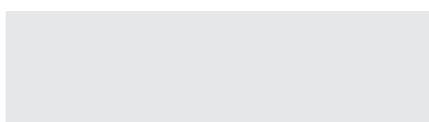
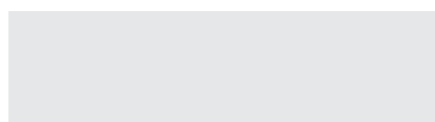
PAGE REFERENCES

Nexis Click-on	112



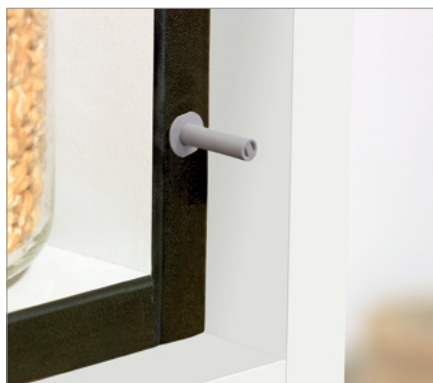
- Possible damper position for a standard door:
 - 1 Good position
 - 2 Optimal position
 - 3 Possible position
- For larger doors, we recommend using an additional damper.

LEGEND



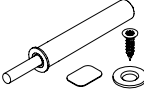
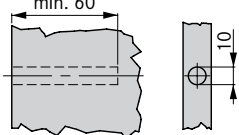
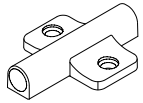
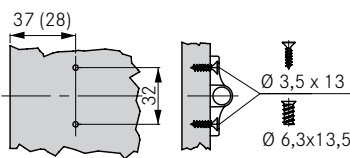
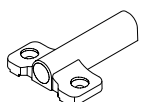
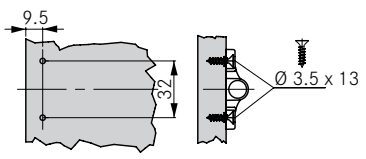
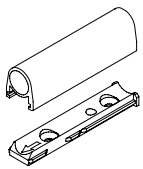
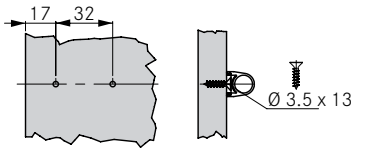
TIPMATIC

For handle-free wooden/aluminium frame doors and glass/mirror doors



- The doors open with a comfortable opening angle by lightly tapping the front
- All hinges without self-closing mechanism can be used
- Large magnet catch area – reliable door closing
- Front gap compensation from 2.5 to 5.5 mm through integrated, self-locking and tool-free depth adjustment.
- Installation in the cabinet front edge or with adapter plate

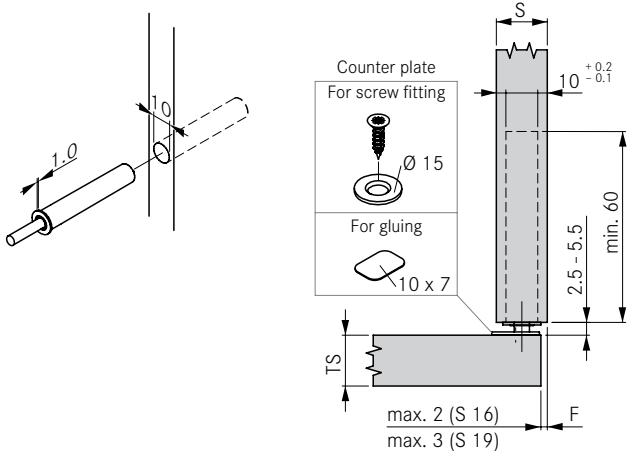
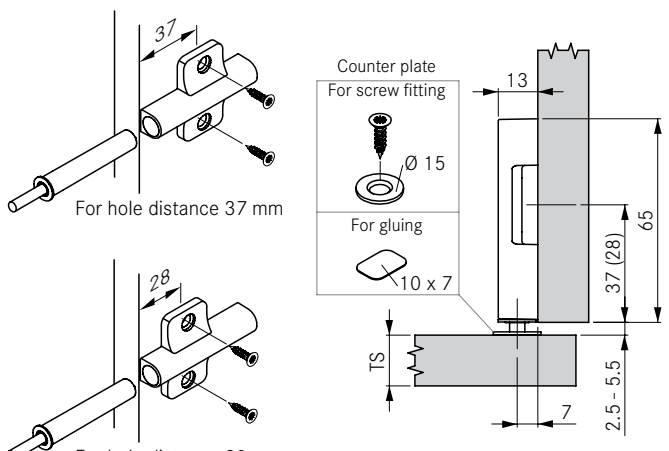
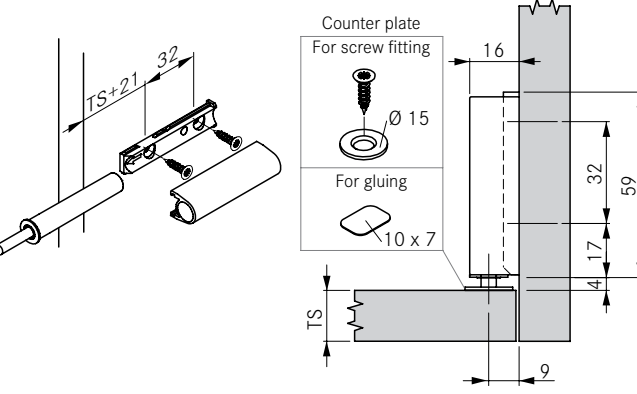
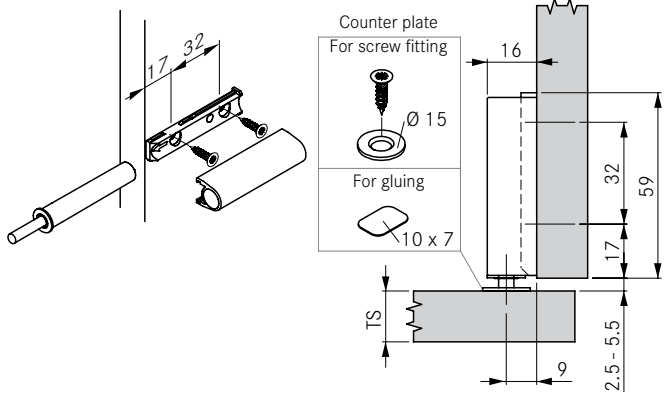
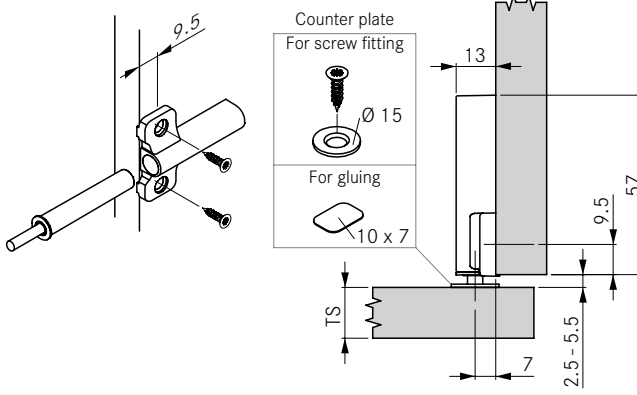
ORDER INFORMATION

Tipmatic Pin	For drilling	Colour	Art. No.
• Drill edge cover 1 mm • Drill hole on front edge • Plastic: platinum grey (RAL 7036)/black (RAL 9005) • Includes adhesive plate, screw-on plate and screw 		Platinum grey (RAL 7036)	F069135396
		Black (RAL 9005)	F069135338
Line hole adapter plate	For screw fitting	Art. No.	
• Suitable for hole distance 28 and 37 mm • Fixing with special Euro screws (Ø 6.3 x 13.5 mm) or chipboard screws (Ø 3.5 x 13 mm) • Plastic RAL 7035, light grey 		F069063310	
Frame adapter plate	For screw fitting	Art. No.	
• For quick retrofitting • Fixing with chipboard screws (Ø 3.5 x 13 mm) • Plastic RAL 7035, light grey 		F069073697	
Linear adapter plate	For screw fitting	Art. No.	
• Design solution – also for inset doors • Fixing with chipboard screws (Ø 3.5 x 13 mm) • Plastic RAL 7035, light grey 		F069073696	

PAGE REFERENCES

Nexis Impresso	97
Nexis Click-on	112
Installation instructions	172

PLANNING AND INSTALLATION INSTRUCTIONS

Tipmatic Pin  Front-edge installation	Line hole adapter plate  Installation with adapter plates
Linear adapter plate, inset  Installation with adapter plates	Linear adapter plate, overlay  Installation with adapter plates
Frame adapter plate  Installation with adapter plates	

LEGEND

F	Reveal
S	Cabinet side wall
TS	Door thickness

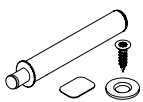
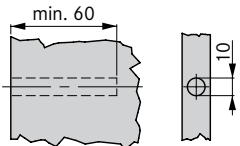
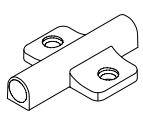
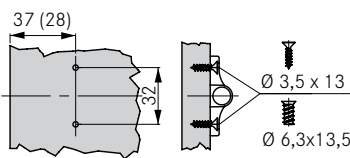
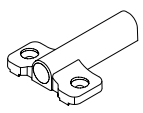
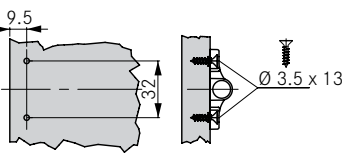
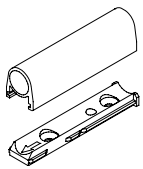
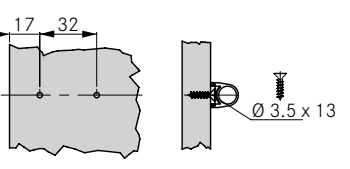
TIPMATIC PLUS

For handle-free furniture doors



- The doors open with a comfortable opening angle by lightly tapping the front
- All hinges with self-opening mechanism can be used
- Large magnet catch area – reliable door closing
- Installation in the cabinet front edge or with adapter plate

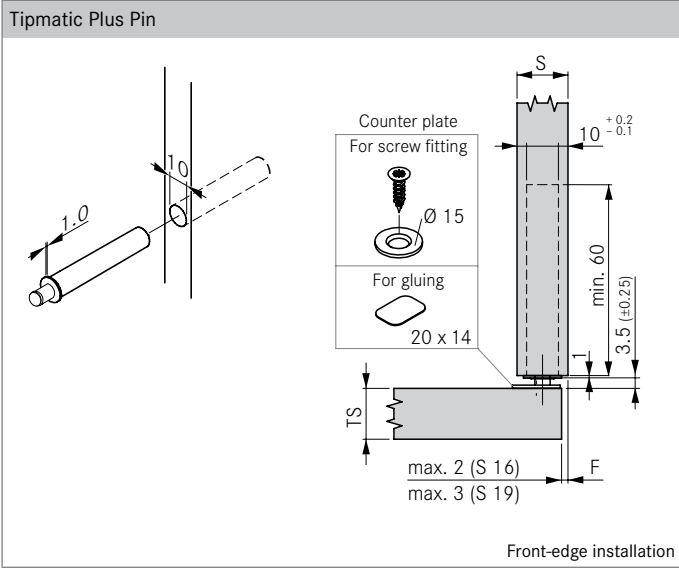
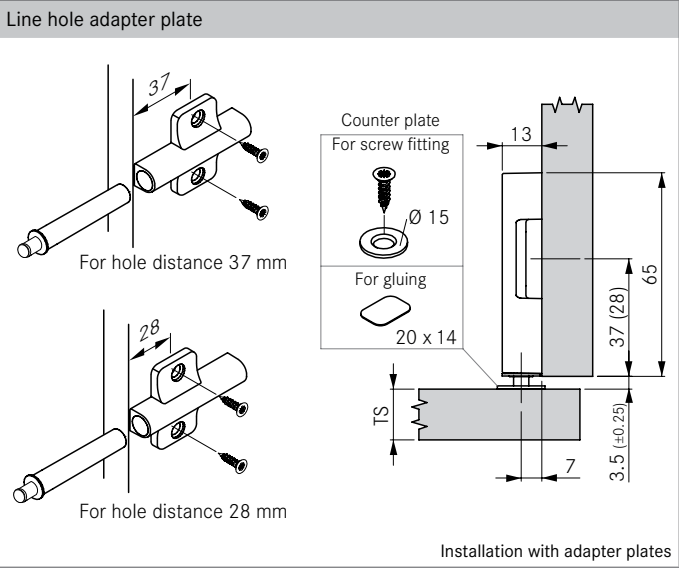
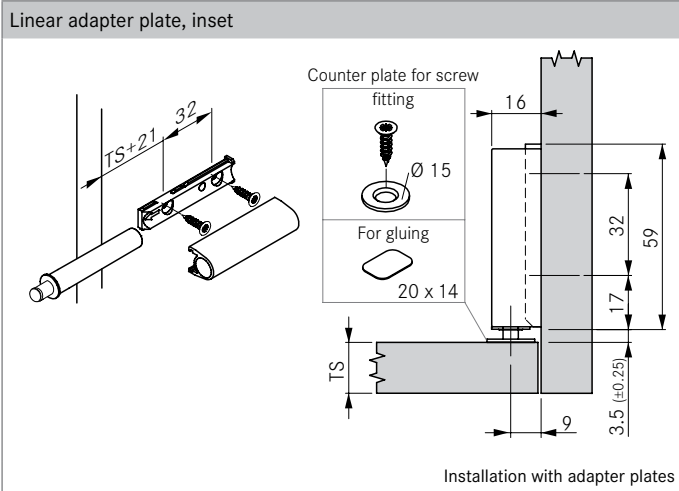
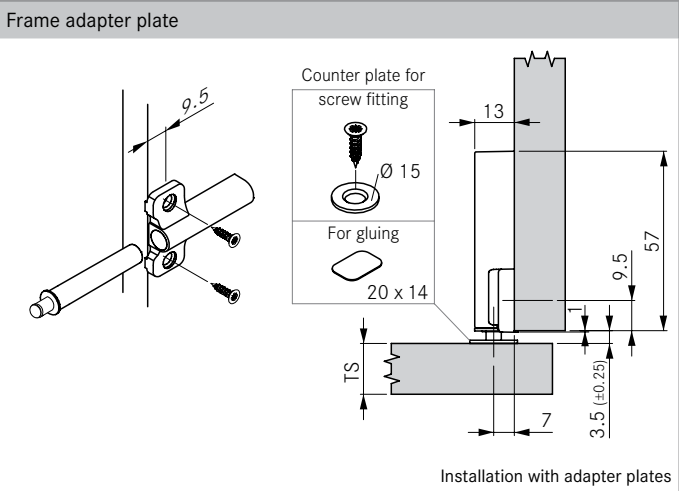
ORDER INFORMATION

Tipmatic Plus Pin	For drilling	Art. No.
• Drill edge cover 1 mm • Drill hole on front edge • Plastic RAL 7035, light grey • Includes adhesive plate, screw-on plate and screw 		F069135061
Line hole adapter plate	For screw fitting	Art. No.
• Suitable for hole distance 28 and 37 mm • Fixing with special Euro screws (Ø 6.3 x 13.5 mm) or chipboard screws (Ø 3.5 x 13 mm) • Plastic RAL 7035, light grey 		F069063310
Frame adapter plate	For screw fitting	Art. No.
• With positioning aid for quick retrofitting • Fixing with chipboard screws (Ø 3.5 x 13 mm) • Plastic RAL 7035, light grey 		F069073697
Linear adapter plate	For screw fitting	Art. No.
• Design solution – also for inset doors • Fixing with chipboard screws (Ø 3.5 x 13 mm) • Plastic RAL 7035, light grey 		F069073696

PAGE REFERENCES

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PLANNING AND INSTALLATION INSTRUCTIONS

Tipmatic Plus Pin  Front-edge installation	Line hole adapter plate  Installation with adapter plates
Linear adapter plate, inset  Installation with adapter plates	Frame adapter plate  Installation with adapter plates

NOTE

Before applying the counter plate, make sure that the surface is clean, dry and free of grease.

LEGEND

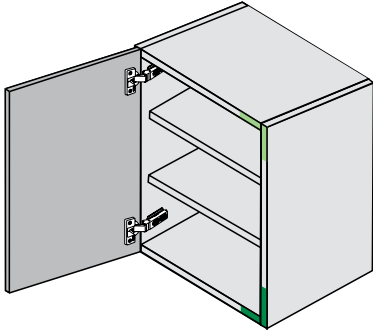
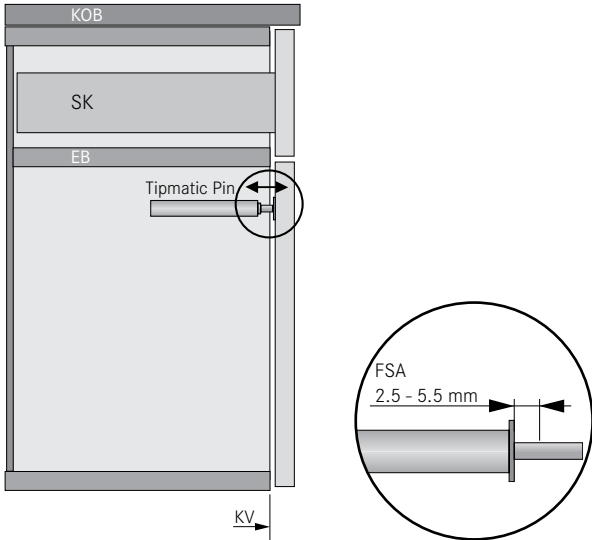
F	Reveal
S	Cabinet side wall
TS	Door thickness

TIPMATIC

Installation instructions

INSTALLATION INSTRUCTIONS

All dimensions in millimetres

Recommended positions	Front gap compensation (Tipmatic Pin)
 Position in the upper corner opposite the hinge in the base cabinet Position in the lower corner opposite the hinge in the wall cabinet General note on installation position: The Tipmatic element is mounted opposite the hinge, either via a front-edge hole in the furniture cabinet or using our adapter plates, which are available in different versions.	 Front gap compensation with integrated, tool-free depth adjustment: The front gap can be adjusted with the Tipmatic drawer.

PAGE REFERENCES

Tipmatic	168				
Tipmatic Plus	170				

LEGEND

EB	Shelf	SK	Drawer	
FSA	Front gap compensation			
KOB	Cabinet top panel			
KV	Cabinet front edge			

Hinges for numerous
door applications.

nexis slide-on.

grass.eu

Hinges in this range are mounted on the door with screws or dowels. There are clear advantages to this short slide-on distance: with tall doors it is possible to fit the Nexis Slide-on hinges in sequence from top to bottom, sliding on each one quickly and reliably with no jamming.



FOLLOW US

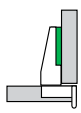
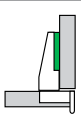
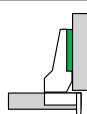
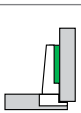


Efficient and reliable.
The Nexis Slide-on series
has been designed for
a wide range of kitchen,
bathroom and living room
furniture door applications.

Nexis Slide-on

Hinge systems

Hinges for various door applications, installation on the cabinet side with classic Slide-on technology.

Opening angle		Product description	Full overlay	Half overlay	Inset	Page
270°		Nexis Slide-on 70 - Cup diameter 30 mm - Single-joint hinge - For door thicknesses from 15 to 21 mm		–	–	176
270°		Nexis Slide-on 73 - Single-joint hinge - For door thicknesses from 15 to 21 mm			–	178
180°		Nexis Slide-on 80 - Single-joint hinge for rebated doors - For door thicknesses from 14 to 21 mm		–	–	180

Nexis Slide-on mounting plates	182
Accessories (cover caps, opening angle reduction clip)	186
Technical information	188
Soft-close damping system	192
Assembly technology	225
Assembly aids	230

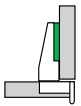
NEXIS SLIDE-ON 70

270° single-joint hinge (door thicknesses 15 to 21 mm)



- 270° opening angle
- For door thicknesses of 15–21 mm
- For door overlays up to 16 mm
- With automatic hold-closed function
- 3-dimensional adjustment with corresponding mounting plate

ORDER INFORMATION

Door overlay		Material		Door thickness	Automatic hold-closed function	Art. No.	
		Cup	Arm			Slide-on for screw fitting	
Full overlay		Zamak, nickel-plated	Zamak, nickel-plated	T20 (15–21 mm)	■	F016073088	
				T17 (15–18 mm)	■	F016073090	

COVER CAP

	Designation	Imprinted/embossed	Art. No.
	Hinge arm cover cap, steel, short, nickel-plated, not imprinted, compatible with Soft-close	On request	F069073570

ACCESSORIES

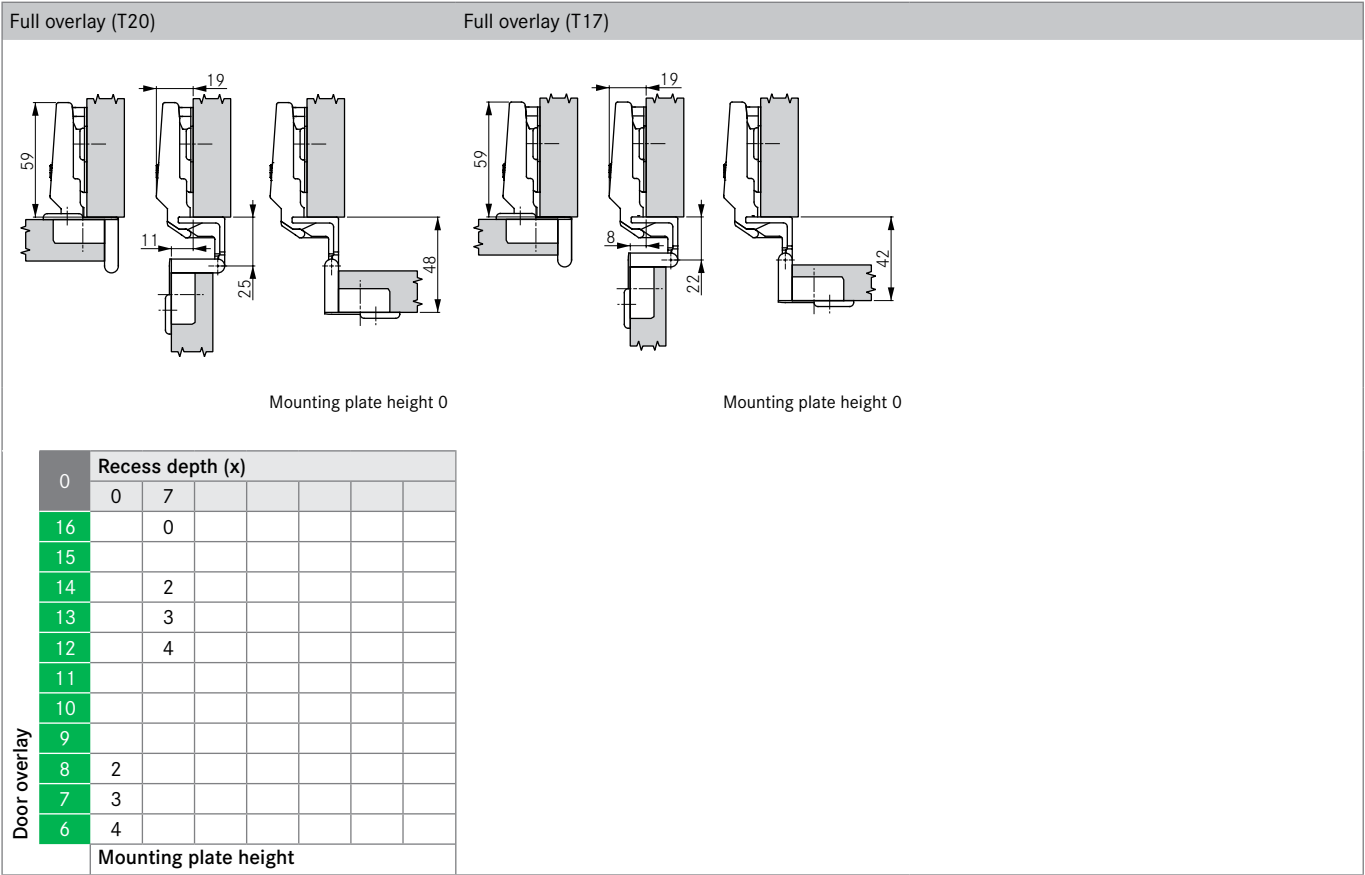
	Designation	Art. No.		Designation	Art. No.
	Soft-close Pin	F069066528			

PAGE REFERENCES

Nexis Slide-on mounting plates	182	Soft-close Pin	192		
Accessories	186	Assembly technology	225		
Technical information	188	Assembly aids	230		

PLANNING DIMENSIONS

All dimensions in millimetres



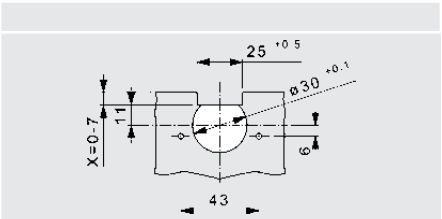
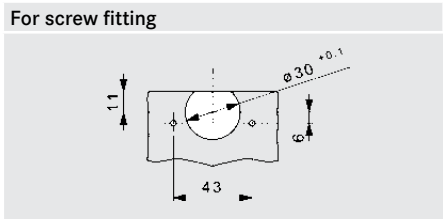
NOTES

Important: Reveals were determined with a (door) edge radius of 1 mm.

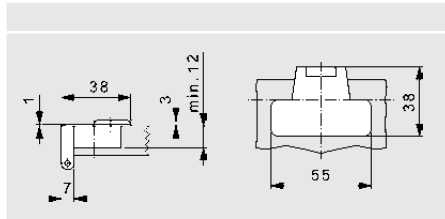
Hinge dimensions and reveal calculation with factory setting.

We recommend a trial fitting.

DRILLING PATTERNS

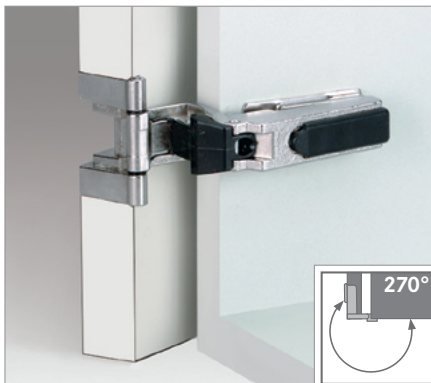


CUP DIMENSIONS



NEXIS SLIDE-ON 73

270° single-joint hinge (door thicknesses 15 to 21 mm)



- 270° opening angle
- For door thicknesses of 15–21 mm
- For door overlays up to 16 mm
- With automatic hold-closed function
- 3-dimensional adjustment with corresponding mounting plate

ORDER INFORMATION

Door overlay		Material		Cranking	Automatic hold-closed function	Art. No.	
		Cup	Arm			Slide-on for screw fitting	
Full overlay		Zamak, nickel-plated	Zamak, nickel-plated	0	■	F016073084	
Half overlay		Zamak, nickel-plated	Zamak, nickel-plated	8	■	F016073095	

COVER CAP

	Designation	Cranking	Imprinted/embossed	Art. No.
	Hinge arm cover cap, steel, short, nickel-plated, not imprinted, compatible with Soft-close	0/8	On request	F069073570

ACCESSORIES

	Designation	Art. No.		Designation	Art. No.
	Soft-close Pin	F069066528			

PAGE REFERENCES

Nexis Slide-on mounting plates	182	Soft-close Pin	192		
Accessories	186	Assembly technology	225		
Technical information	188	Assembly aids	230		

NEXIS SLIDE-ON 80

180° single-joint hinge (for rebated doors)



- 180° opening angle
- With visible, nickel-plated finial
- For door thicknesses of 14–21 mm
- With automatic hold-closed function
- 3-dimensional adjustment with corresponding mounting plate

ORDER INFORMATION

Door overlay		Material		Finials	Automatic hold-closed function	Art. No.	
		Cup	Arm			Slide-on for screw fitting	
Overlay		Zamak, nickel-plated	Zamak, nickel-plated	–	■	F016073099	

COVER CAP

	Designation	Imprinted/embossed	Art. No.
	Hinge arm cover cap, steel, short, nickel-plated, not imprinted, compatible with Soft-close	On request	F069073570

ACCESSORIES

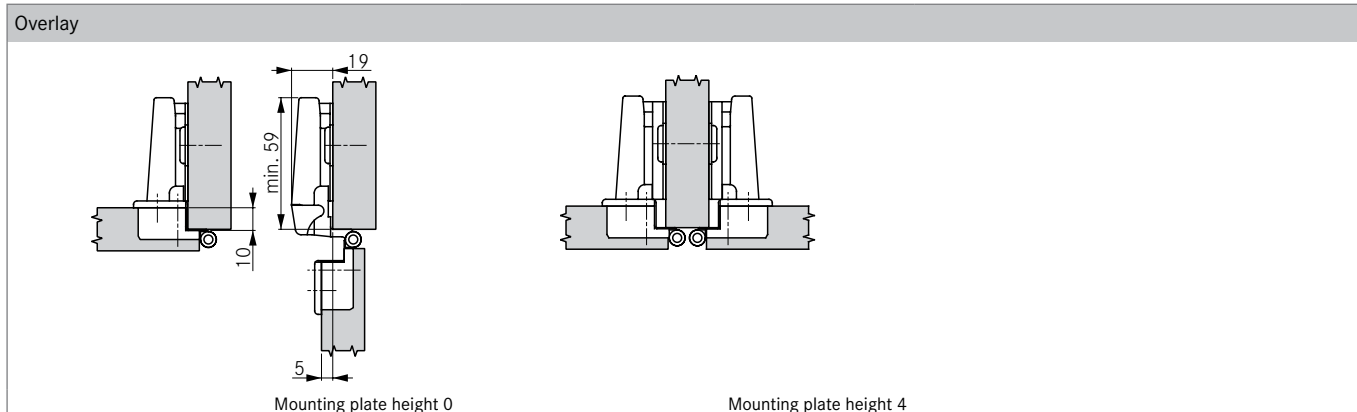
	Designation	Art. No.		Designation	Art. No.
	Soft-close Pin	F069066528			

PAGE REFERENCES

Nexis Slide-on mounting plates	182	Soft-close Pin	192		
Accessories	186	Assembly technology	225		
Technical information	188	Assembly aids	230		

PLANNING DIMENSIONS

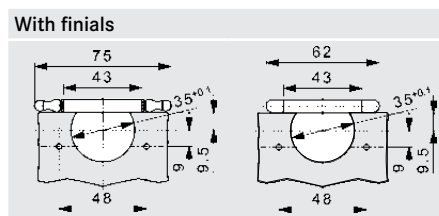
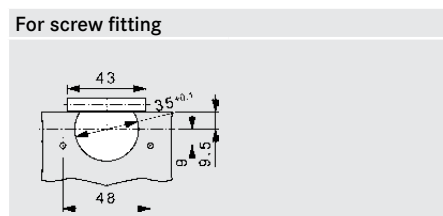
All dimensions in millimetres



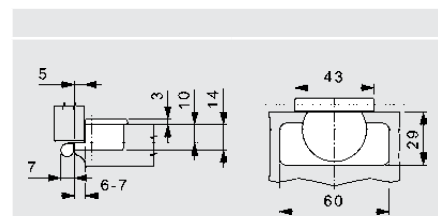
NOTE

We recommend a trial fitting.

DRILLING PATTERNS

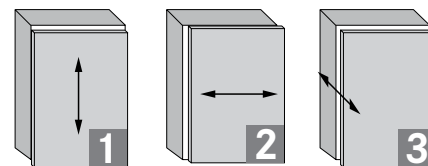
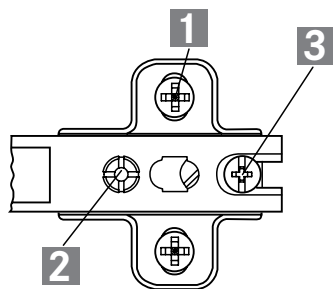


CUP DIMENSIONS



NEXIS SLIDE-ON

Mounting plates



Height
adjustment
+/- 2 mm

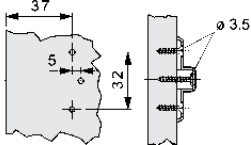
Side
adjustment
+1/-3 mm

Depth
adjustment
+3/-1 mm

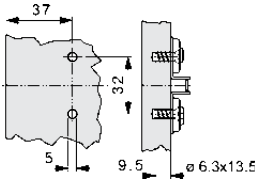
All adjustments can be carried out independently of each other.

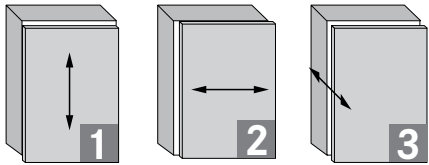
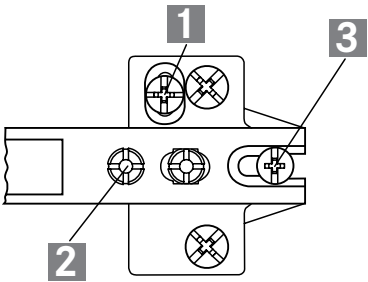
ORDER INFORMATION

CROSS MOUNTING PLATE, 2-POINT FIXING

For screw fitting	37/32	Height	Art. No.
- Steel, nickel-plated - Fixing with wood screws - Mounting distance 37 mm - Hole spacing 32 mm 		0	F062073298
		2	F062073299
		4	F062073300

CROSS MOUNTING PLATE, 2-POINT FIXING

With pre-assembled Euro screws	37/32	Height	Art. No.
- Steel, nickel-plated - Fixing with pre-assembled Euro screws - Mounting distance 37 mm - Hole spacing 32 mm 		0	F062073316
		2	F062073317
		4	F062073318



Height
adjustment
+/- 2 mm

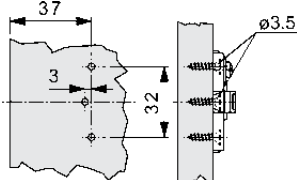
Side
adjustment
+1/-3 mm

Depth
adjustment
+3/-1 mm

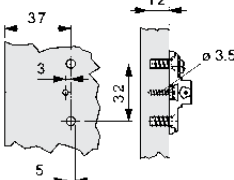
All adjustments can be carried out independently
of each other.

ORDER INFORMATION

2-PART CROSS MOUNTING PLATE, 3-POINT FIXING

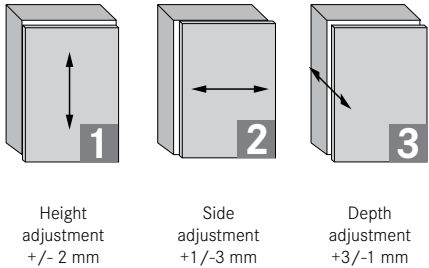
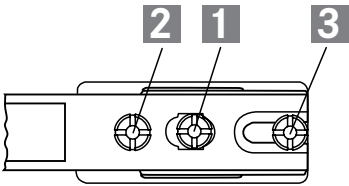
For screw fitting	37/32	Height	Art. No.
• Steel/zamak, nickel-plated • Fixing with wood screws • Mounting distance 37 mm • Hole spacing 32 mm 		0	F062073301
		2	F062073302

2-PART CROSS MOUNTING PLATE, 3-POINT FIXING

For Euro screws	37/32	Height	Art. No.
• Steel/zamak, nickel-plated • Fixing with Euro screws • Mounting distance 37 mm • Hole spacing 32 mm 		0	F062073307
		4	F062073309

NEXIS SLIDE-ON

Mounting plates



All adjustments can be carried out independently of each other.

ORDER INFORMATION

1D LINEAR MOUNTING PLATE, 2-POINT FIXING

For screw fitting		Height	Art. No.
- Steel/zamak, nickel-plated - Fixing with wood screws - Height adjustment		0	F063073336

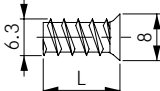
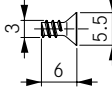
NEXIS SLIDE-ON

Accessories

COVER CAPS

	Designation	Cranking	Imprinted/embossed	Art. No.
	Hinge arm cover cap, steel, short, nickel-plated, not imprinted, compatible with Soft-close	0	On request	F069073570
	Slide-on hinge cup cover cap, steel, nickel-plated, not imprinted	–	–	F069073687

FASTENING SCREWS

	Designation			Art. No.
	Euro screw, nickel-plated, Ø 6.3 mm	L = 10.5		F146073979
	Steel cup fastening screw for aluminium frame hinge, nickel-plated. M3 x 6 screw	L = 6		F069073405



NEXIS SLIDE-ON

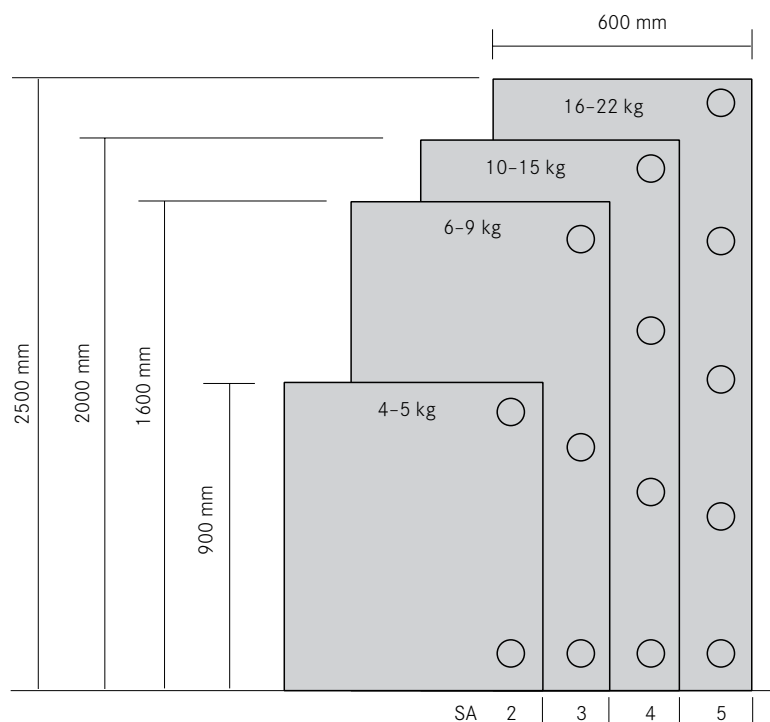
Technical information

NUMBER OF HINGES PER DOOR

Description

The decisive factors are door height, door weight, material quality, cup and mounting plate fixing. The load and height values are for standard door widths of 600 mm.

Hinges with cup Ø 26 mm were tested with door width 450 mm. In case of doubt, the number of hinges must be determined by means of a trial fitting.

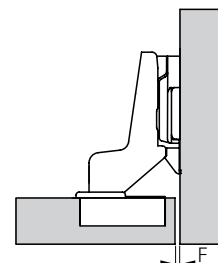
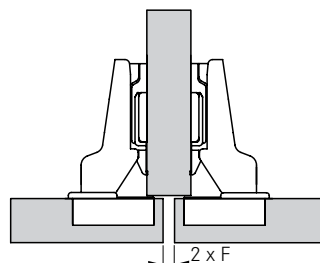
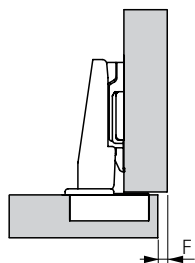


DOOR REVEAL AND MINIMUM REVEAL

Description

The reveal is the distance between two doors or between the door and the cabinet side.

The minimum reveal (F) is the distance between two doors or between the door and the side wall. The gap allows the door to be opened without any collision.



Minimum reveal table

The required reveal width depends on the door thickness.

For example:

With a **door thickness** of 18 mm and a **cup distance** of 6 mm, a **reveal** of 0.2 mm is required.

Important

Reveals were determined with a (door) edge radius of 1 mm. Hinge dimensions and reveal calculation with factory setting.

We recommend a trial fitting.

	Cup distance				
	3	4	5	6	
16	0.1	0.1	0.1	0.1	
18	0.2	0.2	0.2	0.2	
19	0.3	0.3	0.3	0.3	
20	0.4	0.4	0.4	0.4	
22	0.7	0.7	0.7	0.7	
24	1.0	1.0	1.0	1.0	
26	1.4	1.4	1.4	1.4	
28	1.9	1.9	1.9	1.9	
30	3.8	2.9	2.6	2.5	
Minimum reveal (F)					

Achievable reveal with inset door

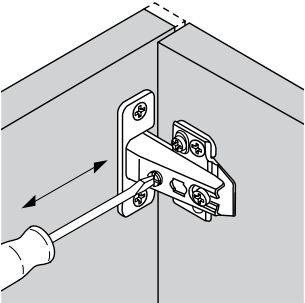
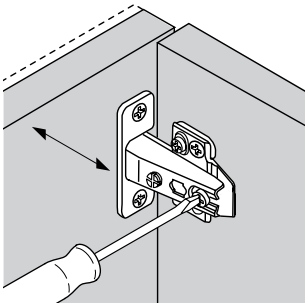
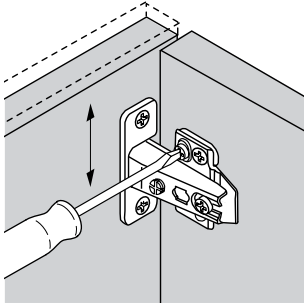
The table shows the reveal that can be achieved with an inset door depending on the cup distance and mounting plate height.

For example:

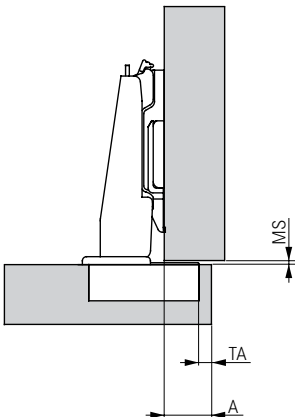
With a **cup distance** of 4 mm and a **mounting plate height** of 4 mm, there is a **reveal** of 2 mm.

	Cup distance				
	3	4	5	6	
0		2		4	
1	2		4		
2		4			
Mounting plate height					

ADJUSTMENTS

Description	Side adjustment +1/-3 mm	Depth adjustment +3/-1 mm	Height adjustment +/- 2 mm
The possibility of height adjustment depends on the type of mounting plate. All adjustments can be carried out independently of each other.			

MINIMUM GAP – CUP DISTANCE

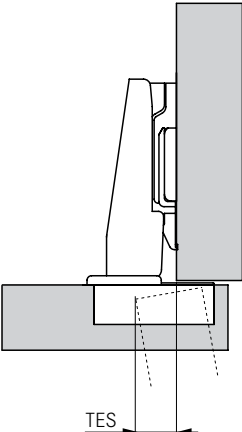
Description		Example					
The minimum gap (MS) is the clearance required between the front edge of the cabinet and the closed door so that the door can be opened without hindrance. The cup distance (TA) is the distance between the door edge and the edge of the cup hole. 		With a door thickness of 26 mm and a cup distance of 6 mm, the minimum gap is 0.7 mm.					
Door thickness		Cup distance					
		3	4	5	6		
	16	0.5	0.5	0.5	0.5		
	18	0.5	0.5	0.5	0.5		
	19	0.5	0.5	0.5	0.5		
	20	0.0	0.0	0.0	0.5		
	22	0.5	0.5	0.5	0.5		
	24	0.5	0.5	0.5	0.5		
	26	0.5	0.5	0.5	0.7		
	28	0.5	0.5	0.5	0.9		
	30	0.5	0.5	1.1	1.1		
Minimum gap							

DOOR PROTRUSION/DOOR OVERLAY

Door protrusion

The door protrusion (TES) is obtained when the door is open and varies depending on the hinge type and application.

It is specified on the individual catalogue page and relates to the mounting plate specified at the factory setting in each case. It changes when the mounting plate height is changed and the side adjustment is used.



Door overlay

The door overlay (A) is the part of the side wall or frame that is covered by the door.

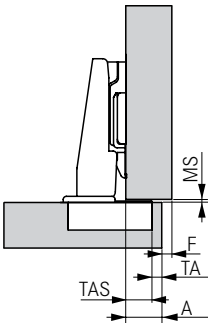
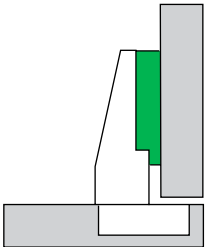
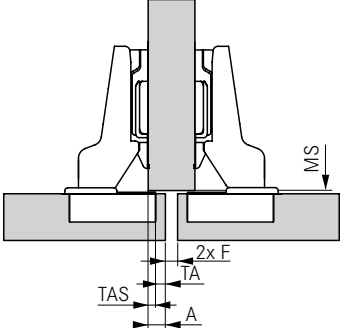
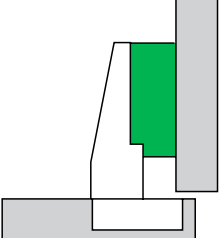
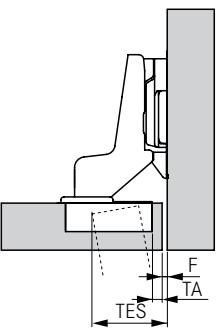
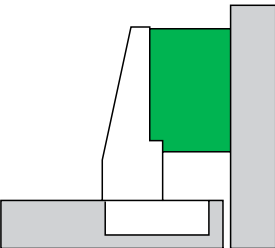
For example:
For a hinge with cranking 8, **mounting plate height 0** and a **cup distance** of 5 mm, the **door overlay** is 10 mm.

Door overlay	8	Cup distance						
		3	4	5	6			
	11				0			
	10			0				
	9		0		2			
	8	0		2	3			
	7		2	3	4			
	6	2	3	4				
	5	3	4					
	4	4						
Mounting plate height								

NEXIS SLIDE-ON

Technical information

OPTION TO CHANGE THE DOOR OVERLAY

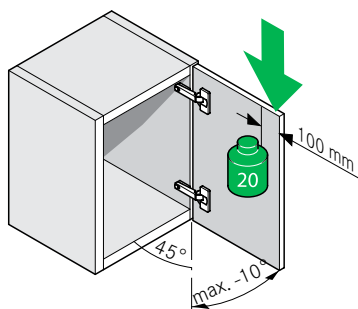
After selecting the cranking	By using a different mounting plate height
Full overlay (cranking 0) The cup overlay (TAS/factory setting) plus cup distance (TA) provides the door overlay (A). The dimensions can be found in the table on the respective catalogue page. 	Full overlay Hinge with cranking 0 and mounting plate height 0 
Half overlay (cranking 8) The cup overlay (TAS/factory setting) plus cup distance (TA) provides the door overlay (A). The dimensions can be found in the table on the respective catalogue page. 	Half overlay Hinge with cranking 0 and mounting plate height 8 
Inset (cranking 15) There is no door overlay. The reveal (F) between the cabinet side and the door depends on the mounting plate height (MH) and the cup distance (TA). The dimensions can be found in the table on the respective catalogue page. 	Inset Hinge with cranking 0 and mounting plate height 18 

TEST CRITERIA FOR HINGES

Functional test

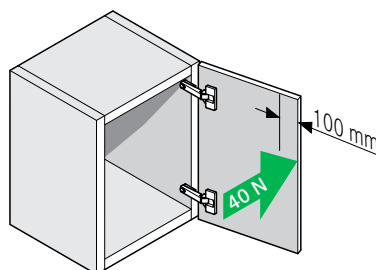
Static load, vertical

Additional load: 20 kg
Opening angle: max. -10°
Number: 10



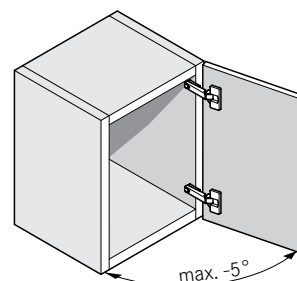
Static load, horizontal

Force: 40 N
Number: 10



Endurance test

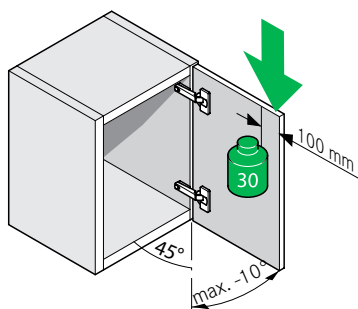
Opening angle: max. -5°
Opening and closing movements: 100,000



Overload test

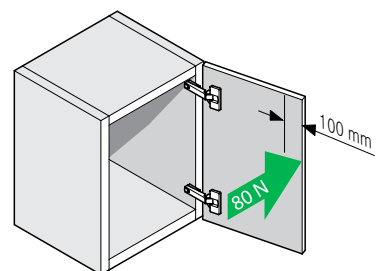
Vertical

Additional load: 30 kg
Opening angle: max. -10°
Number: 10



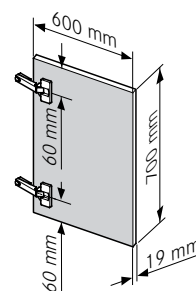
Horizontal

Force: 80 N
Number: 10



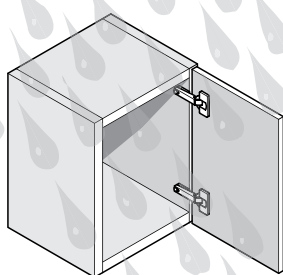
Test door

Weight approx. 5.2 kg



Salt spray and humidity test

Based on DIN ISO 9227 and DIN 6270-2



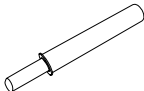
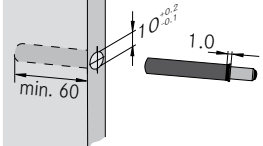
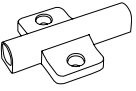
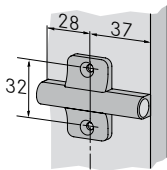
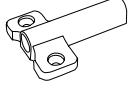
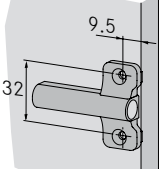
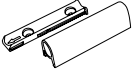
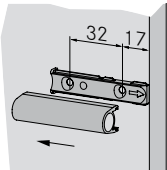
SOFT-CLOSE PIN

Pneumatic damper for doors



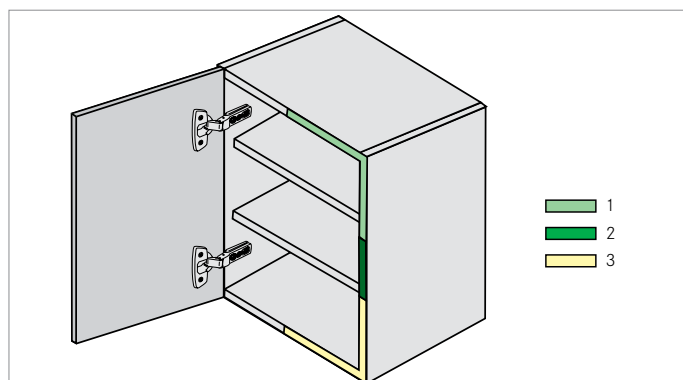
- Suitable for all door sizes, door shapes and materials
- Can also be retrofitted
- For drilling or for installation with adapter plate

ORDER INFORMATION

Soft-close Pin		For drilling	Art. No.
• Drill hole on front edge • For perfect appearance • Cup: plastic, anthracite • Piston: light grey			F069066528
Grid adapter plate		For Euro screws	Art. No.
• Suitable for hole distance 28 mm and 37 mm • Fixing with Euro screws (6.3 x 13.5) • Plastic, light grey			F069063310
Frame adapter plate		For screw fitting	Art. No.
• For quick retrofitting • Fixing with wood screws (3.5 x 13) • Plastic, light grey			F069073697
Linear adapter plate		For screw fitting	Art. No.
• Design solution – also in conjunction with inset doors • Fixing with wood screws (3.5 x 13) • Plastic, light grey			F069073696

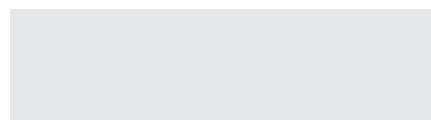
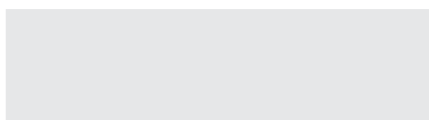
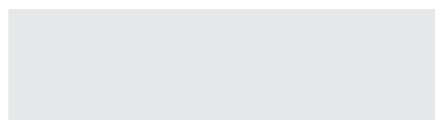
PAGE REFERENCES

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- Possible damper position for a standard door:
 - 1 Good position
 - 2 Optimal position
 - 3 Possible position
- For larger doors, we recommend using an additional damper.

LEGEND



**Space-saving. Flexible.
Functional.**

single-joint hinges.



Whether for extremely narrow reveals, heavy doors, rebated doors or with direct height adjustment, the single-joint hinges from the MB series with tool-free door clip fitting are always the ideal solution.

FOR US, REDUCING TO THE ESSENTIALS MEANS CONCENTRATING ON QUALITY AND FUNCTION. OUR RANGE OF HINGES FOR FURNITURE IN OFFICES AND PUBLIC BUILDINGS IS THE BEST EXAMPLE OF THAT. WE OFFER THE PERFECT SINGLE-JOINT HINGE FOR ANY APPLICATION. QUALITY MATERIALS, EXCELLENT WORKMANSHIP AND HIGH QUALITY ARE JUST AS IMPORTANT TO US AS RELIABLE OPERATING COMFORT. SEE FOR YOURSELF.

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Functional
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Reduced to the
essentials.

Feel more WOW.

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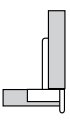
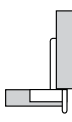
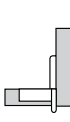
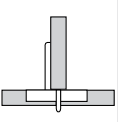
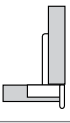
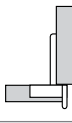
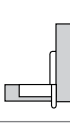
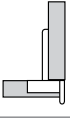
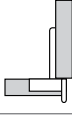
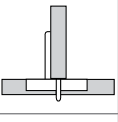
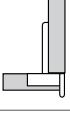
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grass.eu

Single-joint hinges

for furniture for offices and public buildings

Wide-opening solid metal hinges for individual or continuous cabinet construction.

Opening angle		Product description	Full overlay	Half overlay	Inset	Twin application	Page
230° 180°		Single-joint hinge MB-20 - Reveals (7.5/8/13.5 mm) - Height adjustment					196
270° 180°		Single-joint hinge MB-6010 - Very narrow reveals (3 mm) - Tool-free door clip fitting - Direct reveal and height adjustment				-	198
270°		Single-joint hinge MB-8010 - Narrow reveals (4 mm) - Tool-free door clip fitting - Direct reveal and height adjustment		-	-	-	200
230° 180°		Single-joint hinge MB-8010 - Reveals (8/13.5 mm) - Tool-free door clip fitting - Direct reveal and height adjustment	-		-		202
270°		Single-joint hinge MB-8320 - Reveals (4 mm) - Tool-free door clip fitting - Height adjustment via cam		-	-	-	204

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Assembly technology	225
Assembly aids	230

SINGLE-JOINT HINGE MB-20

For narrow reveals



- 230° or 180° opening angle
- Reveal 7.5/8/13.5 mm
- Strong plug connection
- Side adjustment -2 mm
- Height adjustment by means of slots ± 2 mm
- Visible joint
- Two cups required for one hinge arm in the case of twin application
- Hinge arms and cups must be ordered separately

ORDER INFORMATION

HINGE ARM

Door overlay			Designation	Material	Art. No.	
Full overlay (19 mm cabinet side) Reveal 7 mm			MB-20/581	Zamak, nickel-plated	F150000005	
Half overlay (19 mm cabinet side) Reveal 13.5 mm			MB-20/531	Zamak, nickel-plated	F150000003	
Twin fitting (19 mm cabinet side) Reveal 8 mm			MB-20/532	Zamak, nickel-plated	F150000004	
Inset Reveal 1-8 mm			MB-20/501	Zamak, nickel-plated	F150146068	

HINGE CUP

	For screw fitting	For press fitting
Hinge cup – suitable for MB-20, 45/9.5	F150146079	F150146077
Hinge cup – suitable for MB-20, 52/5.5	F150000002	F150000001

ACCESSORIES

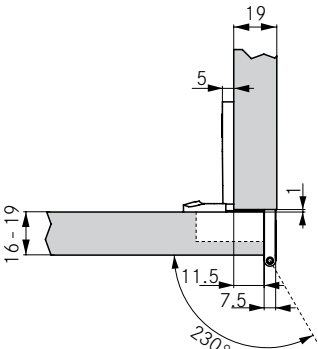
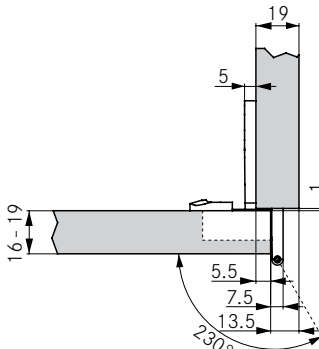
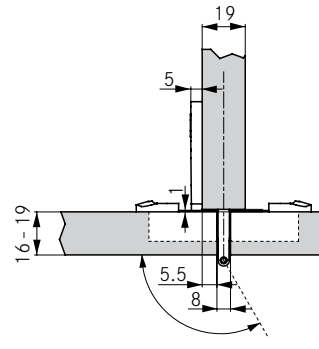
	Designation	Material	Art. No.
	Euro collar screws, nickel-plated, $\varnothing$ 6.3 x 13.5 mm	–	F150145234

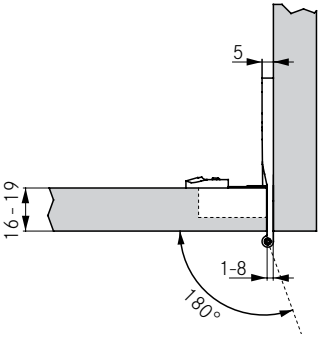
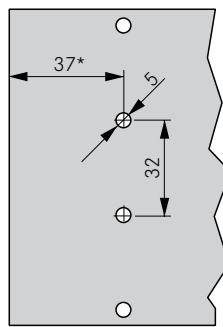
PAGE REFERENCES

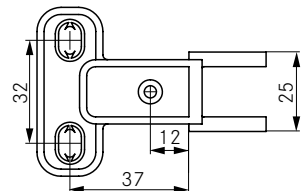
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Technical information	208				
Assembly technology	225				

PLANNING DIMENSIONS

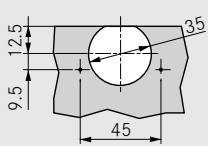
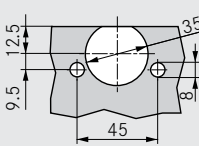
All dimensions in millimetres

MB-20/581 full overlay (19 mm cabinet side)	MB-20/531 half overlay (19 mm cabinet side)	MB-20/532 twin fitting (19 mm cabinet side)
 Door overlay 11.5 Door protrusion 0 mm with 180° opening angle	 Door overlay 5.5 Door protrusion 0 mm with 180° opening angle	 Door overlay 5.5 Door protrusion 0 mm with 180° opening angle

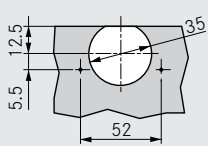
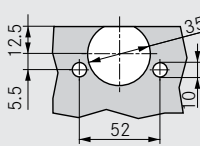
MB-20 inset	Cabinet holes for hinge mounting	
 Door protrusion 3 mm with 180° opening angle	 *=39 mm+door thickness with inset fitting, MB-20/501	

Hinge arm dimensions		
		

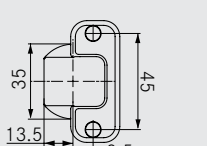
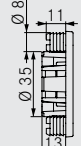
DRILLING PATTERNS 45/9.5

Screw fitting	Press fitting
	

DRILLING PATTERNS 52/5.5

Screw fitting	Press fitting
	

CUP DIMENSIONS

	
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SINGLE-JOINT HINGE MB-6010

For very narrow reveals



- 270° or 180° opening angle
- Reveal 3 mm
- Tool-free door clip fitting
- Cup edge cover
- Side adjustment -2 mm
- Height adjustment by means of slots ± 2 mm
- Visible joint
- Supplied with black cover caps, neutral
- Hinge arms and cups must be ordered separately

ORDER INFORMATION

HINGE ARM

Door overlay			Designation	Material	Art. No.	
Full overlay (19 mm cabinet side) Reveal 3 mm			MB-6310	Zamak, nickel-plated	F150000009	
Full overlay (16 mm cabinet side) Reveal 3 mm			MB-6210	Zamak, nickel-plated	F150000008	
Inset Reveal 3 mm			MB-6110	Zamak, nickel-plated	F150000007	

HINGE CUP

	For screw fitting	For press fitting
Hinge cup – suitable for MB-6000/MB-8000	F150000006	F150000021

ACCESSORIES

	Designation	Material	Art. No.
	Clothes protector, prevents damage and soiling through trapping. For use with all single-joint hinges.	Plastic	F150000017
	Opening angle reduction clip, approx. 90°, for all single-joint hinges, except for inset applications	–	F150000019
	Opening angle reduction clip, approx. 110°, for all single-joint hinges, except for inset applications	–	F150000020
	Euro collar screws, nickel-plated, $\varnothing$ 6.3 x 13.5 mm	–	F150145234

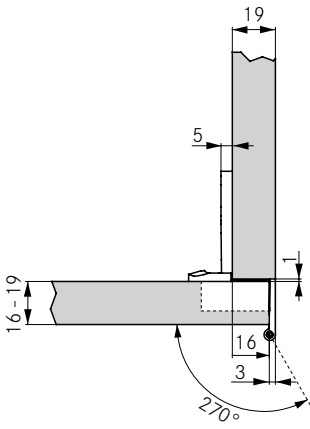
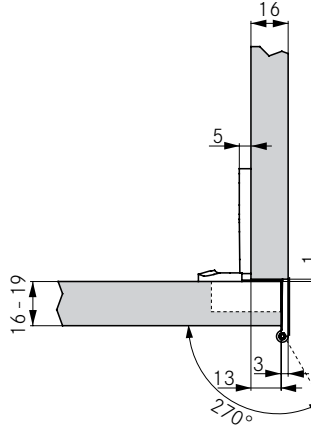
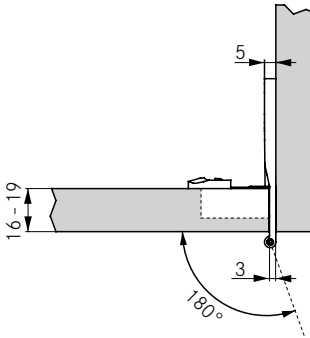
PAGE REFERENCES

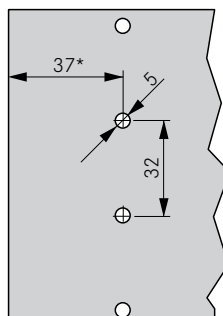
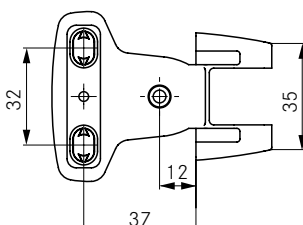
Soft-close Pin	206
Technical information	208
Assembly technology	225

Assembly aids	230

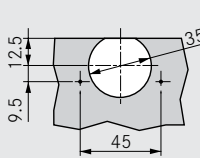
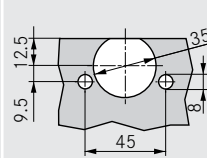
PLANNING DIMENSIONS

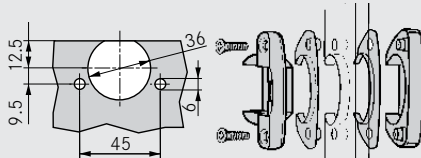
All dimensions in millimetres

MB-6310 full overlay (19 mm cabinet side)	MB-6210 full overlay (16 mm cabinet side)	MB-6110 inset
 Door overlay 16 Door protrusion 0 mm with 180° opening angle	 Door overlay 13 Door protrusion 0 mm with 180° opening angle	 Door protrusion 3 mm with 180° opening angle

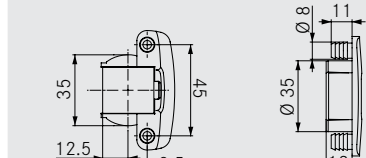
Cabinet holes for hinge mounting	Hinge arm dimensions	
 *=39 mm+door thickness with inset fitting, MB-6110		

DRILLING PATTERNS

Screw fitting	Press fitting
	

Glass hole for decorative cover cap installation set


CUP DIMENSIONS



SINGLE-JOINT HINGE MB-8010

Suitable for heavy doors for narrow reveals



- 270° opening angle
- Reveal 4 mm
- Tool-free door clip fitting
- Cup edge cover
- Side adjustment -2 mm
- Height adjustment by means of slots ± 2 mm
- Visible joint
- Supplied with black cover caps, neutral
- Hinge arms and cups must be ordered separately

ORDER INFORMATION

HINGE ARM

Door overlay			Designation	Material	Art. No.	
Full overlay (19 mm cabinet side) Reveal 4 mm			MB-8310	Zamak, nickel-plated	F150000014	

HINGE CUP

	For screw fitting	For press fitting
Hinge cup – suitable for MB-6000/MB-8000	F150000006	F150000021

ACCESSORIES

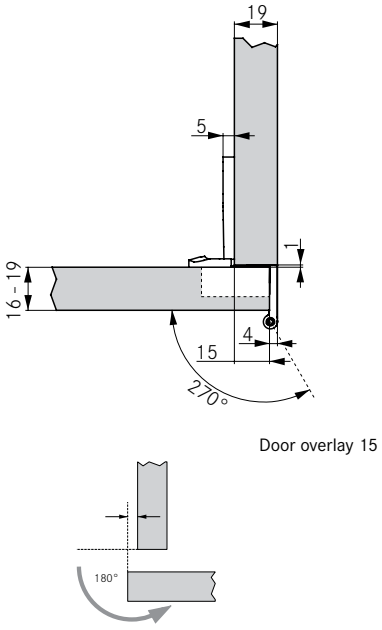
	Designation	Material	Art. No.
	Clothes protector, prevents damage and soiling through trapping. For use with all single-joint hinges.	Plastic	F150000017
	Opening angle reduction clip, approx. 90°, for all single-joint hinges, except for inset applications	–	F150000019
	Opening angle reduction clip, approx. 110°, for all single-joint hinges, except for inset applications	–	F150000020
	Euro collar screws, nickel-plated, $\varnothing 6.3 \times 13.5$ mm	–	F150145234

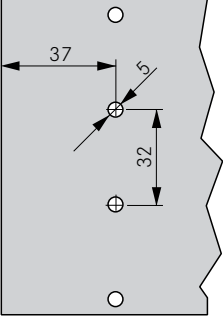
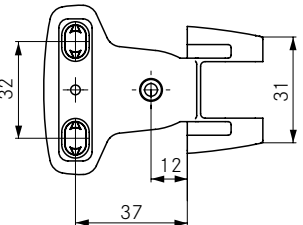
PAGE REFERENCES

Soft-close Pin	206	Assembly aids	230		
Technical information	208				
Assembly technology	225				

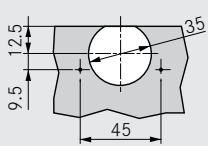
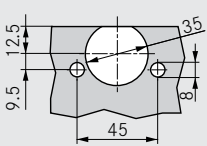
PLANNING DIMENSIONS

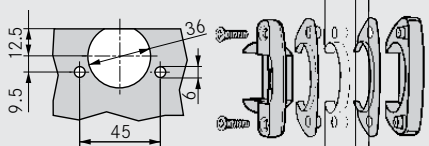
All dimensions in millimetres

MB-8310 full overlay (19 mm cabinet side)		
 Door overlay 15 Door protrusion 0 mm with 180° opening angle		

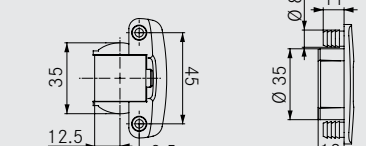
Cabinet holes for hinge mounting	Hinge arm dimensions	
		

DRILLING PATTERNS

Screw fitting	Press fitting
	

Glass hole for decorative cover cap installation set


CUP DIMENSIONS



SINGLE-JOINT HINGE MB-8010

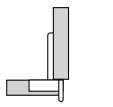
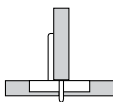
Suitable for heavy doors



- 230° / 180° opening angle
- Reveal 8 / 13.5 mm
- Tool-free door clip fitting
- Cup edge cover
- Side adjustment -2 mm
- Height adjustment by means of slots ± 2 mm
- Visible joint
- Supplied with black cover caps, neutral
- Hinge arms and cups must be ordered separately
- Two cups required for one hinge arm in the case of twin application

ORDER INFORMATION

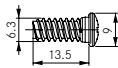
HINGE ARM

Door overlay			Designation	Material	Art. No.	
Half overlay (19 mm cabinet side) Reveal 13.5 mm			MB-8510	Zamak, nickel-plated	F150000015	
Twin fitting (19 mm cabinet side) Reveal 8 mm			MB-8610	Zamak, nickel-plated	F150000016	

HINGE CUP

	For screw fitting	For press fitting
Hinge cup – suitable for MB-6000/MB-8000	F150000006	F150000021

ACCESSORIES

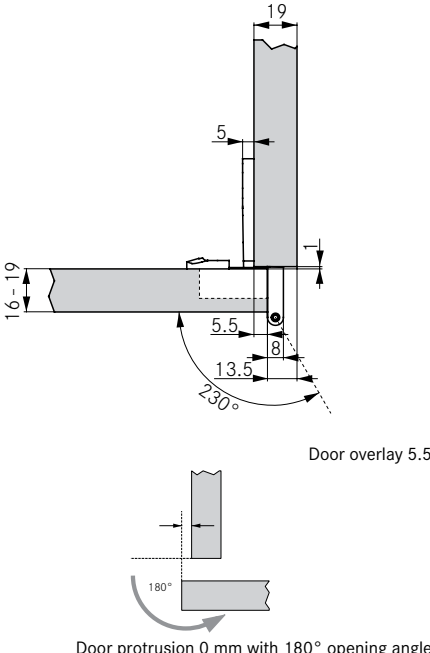
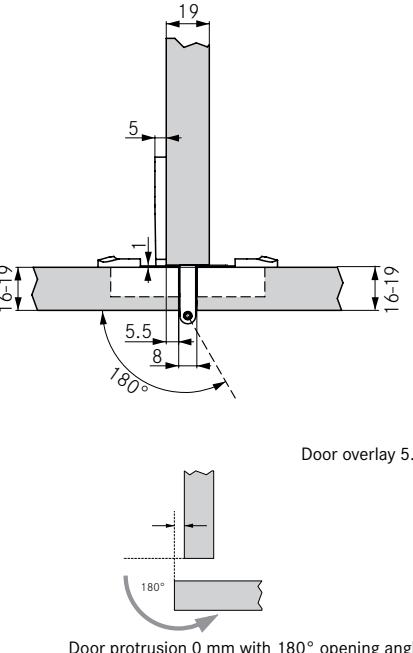
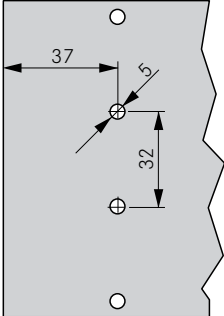
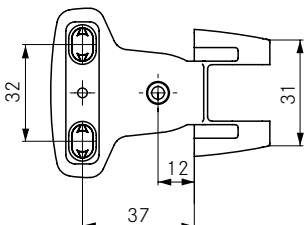
	Designation	Material	Art. No.
	Clothes protector, prevents damage and soiling through trapping. For use with all single-joint hinges.	Plastic	F150000017
	Opening angle reduction clip, approx. 90°, for all single-joint hinges, except for inset applications	–	F150000019
	Opening angle reduction clip, approx. 110°, for all single-joint hinges, except for inset applications	–	F150000020
	Euro collar screws, nickel-plated, $\varnothing$ 6.3 x 13.5 mm	–	F150145234

PAGE REFERENCES

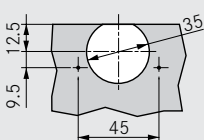
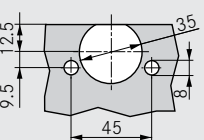
Soft-close Pin	206	Assembly aids	230		
Technical information	208				
Assembly technology	225				

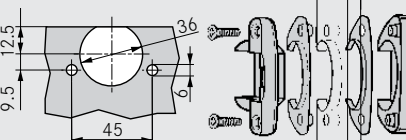
PLANNING DIMENSIONS

All dimensions in millimetres

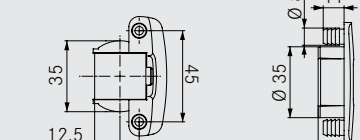
MB-8510 half overlay	MB-8610 twin fitting	
 Door overlay 5.5 Door protrusion 0 mm with 180° opening angle	 Door overlay 5.5 Door protrusion 0 mm with 180° opening angle	
Cabinet holes for hinge mounting	Hinge arm dimensions	
		

DRILLING PATTERNS

Screw fitting	Press fitting
	

Glass hole for decorative cover cap installation set


CUP DIMENSIONS



SINGLE-JOINT HINGE MB-8320

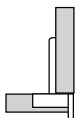
With direct height adjustment



- 270° opening angle
- Reveal 4 mm
- Tool-free door clip fitting
- Cup edge cover
- Side adjustment -2 mm
- Height adjustment via cam ± 2 mm
- Visible joint
- Supplied with black cover caps, neutral
- Hinge arms and cups must be ordered separately

ORDER INFORMATION

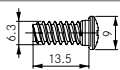
HINGE ARM

Door overlay		Designation	Material	Art. No.
Full overlay (19 mm cabinet side) Reveal 4 mm		MB-8320	Zamak, nickel-plated	F150145167

HINGE CUP

	For screw fitting	For press fitting
Hinge cup – suitable for MB-6000/MB-8000	F150000006	F150000021

ACCESSORIES

	Designation	Material	Art. No.
	Clothes protector, prevents damage and soiling through trapping. For use with all single-joint hinges.	Plastic	F150000017
	Opening angle reduction clip, approx. 90°, for all single-joint hinges, except for inset applications	–	F150000019
	Opening angle reduction clip, approx. 110°, for all single-joint hinges, except for inset applications	–	F150000020
	Euro collar screws, nickel-plated, $\varnothing$ 6.3 x 13.5 mm	–	F150145234

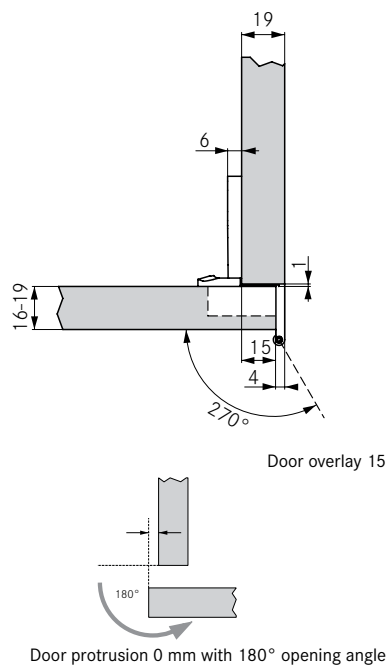
PAGE REFERENCES

Soft-close Pin	206	Assembly aids	230		
Technical information	208				
Assembly technology	225				

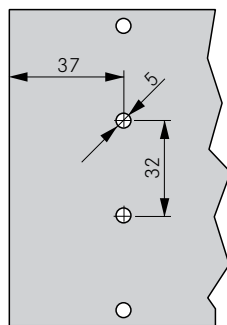
PLANNING DIMENSIONS

All dimensions in millimetres

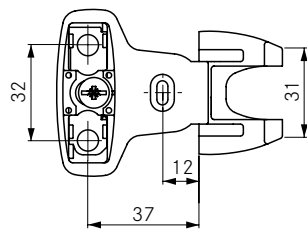
MB-8320 full overlay (19 mm cabinet side)



Cabinet holes for hinge mounting

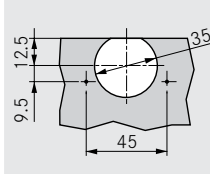


Hinge arm dimensions

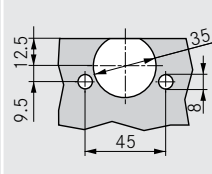


DRILLING PATTERNS

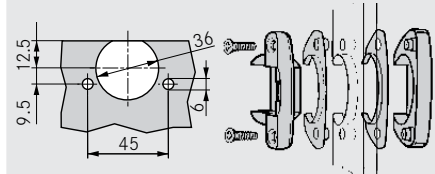
Screw fitting



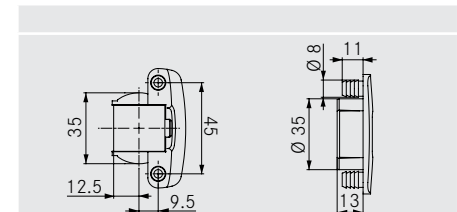
Press fitting



Glass hole for decorative cover cap installation set



CUP DIMENSIONS



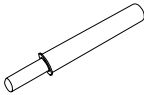
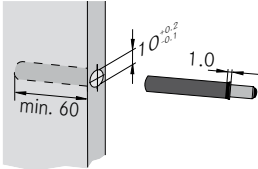
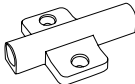
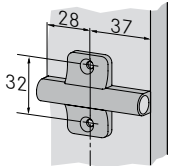
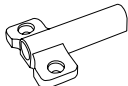
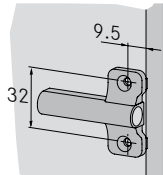
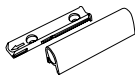
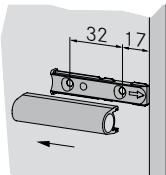
SOFT-CLOSE PIN

Pneumatic damper for doors with single-joint hinges



- Suitable for all door sizes, door shapes and materials
- Can also be retrofitted
- For drilling or for installation with adapter plate

ORDER INFORMATION

Soft-close Pin		Drilling	Art. No.
• Drill hole on front edge • For perfect appearance • Cup: plastic, anthracite • Piston: light grey			F069066528
Line hole adapter plate		Euro screws	Art. No.
• Suitable for hole distance 28 mm and 37 mm • Fixing with Euro screws (6.3 x 13.5) • Plastic, light grey			F069063310
Pin frame adapter		For screw fitting	Art. No.
• For quick retrofitting • Fixing with wood screws (3.5 x 13) • Plastic, light grey			F069073697
Pin linear adapter		For screw fitting	Art. No.
• Design solution – also in conjunction with inset doors • Fixing with wood screws (3.5 x 13) • Plastic, light grey			F069073696

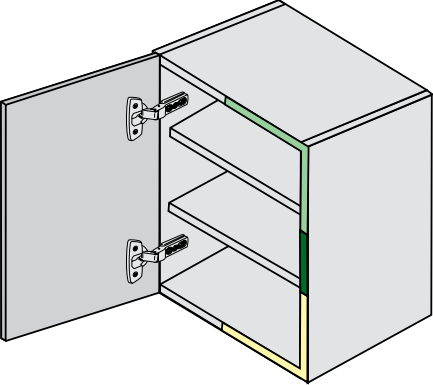
PAGE REFERENCES

Single-joint hinges	195

PLANNING DIMENSIONS

All dimensions in millimetres

Possible damper position for a standard door



1

2

3

1 Good position

2 Optimal position

3 Possible position

• For larger doors, we recommend using an additional damper.

LEGEND

BT	Drilling depth		
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SINGLE-JOINT HINGES

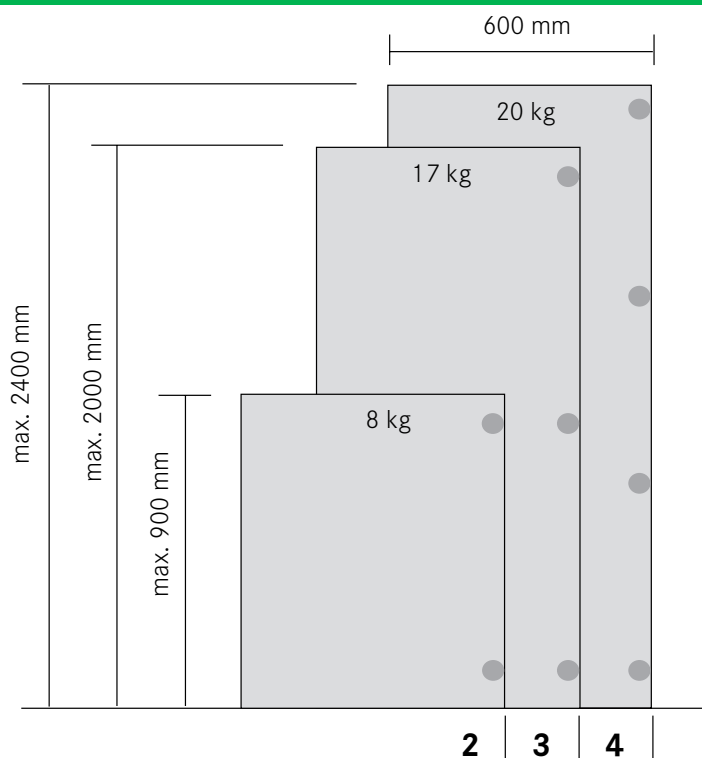
Technical information

NUMBER OF HINGES

Number of hinges

Applies to 19 mm thick chipboard.

The width of the doors must not be greater than the height.



ASSEMBLY/DISASSEMBLY

Assembly

Just pressing down the hinge with the finger is enough to firmly and securely connect the cabinet and door.



Disassembly

The hinge connection can be released with a twist of a flat-blade screwdriver. This means that unintentional dismounting is not possible.

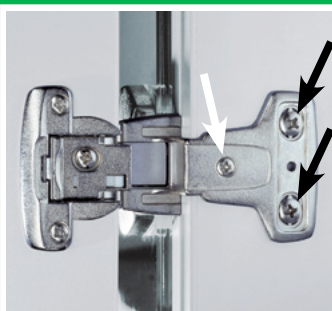


ARM MOUNTING

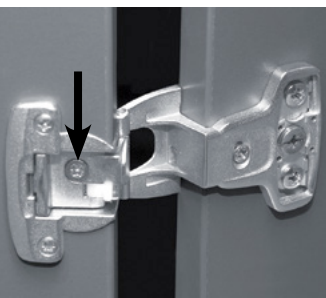
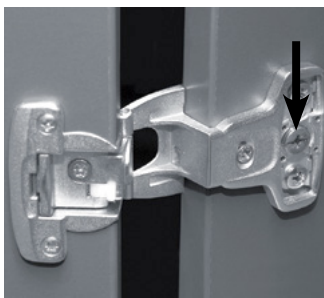
Screws for arm mounting

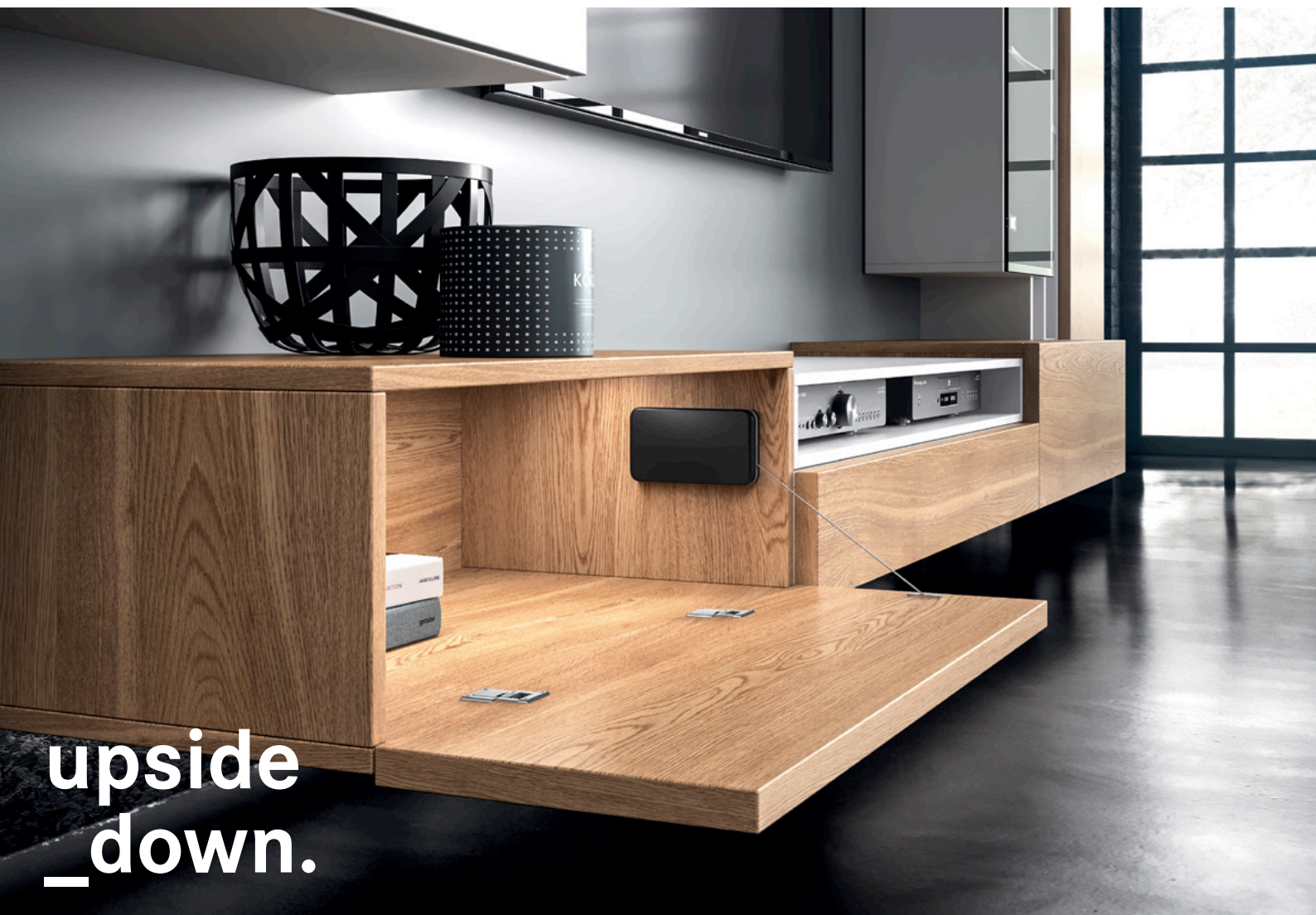
2 Euro collar screws
(6.3 x 10.5 mm or 6.3 x 13.5 mm)

1 chipboard screw 3.5 x 13 mm,
Pozidriv size 2
This screw must be fitted for safety reasons.



ADJUSTMENTS

Side adjustment MB-6010, MB-8010 The reveal can be adjusted directly via this screw. Adjustment range -2 mm.		Height adjustment MB-6010, MB-8010 Adjustment by means of slots (break out the fixing pins). Adjustment range +/- 2 mm. After adjustment, fit the third screw.	
Side adjustment MB-8320 The reveal can be adjusted directly via this screw. Adjustment range -2 mm.		Direct height adjustment MB-8320 Adjustment via screw. Adjustment range +/- 2 mm Before adjustment, loosen the third fixing screw, then tighten again.	



upside
_down.

KINVARO D TRANSFORMS DRINKS COMPARTMENTS INTO STATEMENT PIECES. THE DISCREET FLAP STAY WITH PULL CABLE OPENS DRINKS COMPARTMENTS DOWNWARDS TO CREATE A FLUSH OPENING AND GIVES AN AESTHETIC OVERALL LOOK. KINVARO D CAN BE FITTED HORIZONTALLY OR VERTICALLY ON BOTH SIDES AND IS AVAILABLE IN TWO MODELS FOR DIFFERENT DEPTHS, FLAP SIZES AND WEIGHTS. WITH INTEGRATED DAMPING AND AVAILABLE IN THREE COLOURS, IT IS AN ELEGANT FITTING FOR PERFECT FURNITURE DESIGN.

The perfect duo for drinks compartment flaps.

Kinvaro D and Tiomos flap hinge.



The optimal interplay of the Tiomos flap hinge and Kinvaro D drinks compartment flap opens up new design possibilities. The extremely flat flap hinge discreetly connects the base panel and flap and creates an almost flush opening, while Kinvaro D with pull cable holds the flap securely.



The colours White, Night and Smoke have been chosen for the Kinvaro D to create an aesthetic overall look. Kinvaro D is suitable for flap weights of up to 11 kg and is fitted with an integrated damper.

Kinvaro D

Drinks compartment flap

The slim flap system with pull cable integrates beautifully into elegant furniture with drinks compartment flaps.

	Product description		Page
	Tiomos flap hinges for flap thicknesses from 14 to 21 mm • Cup hole 35 mm • 3-dimensional adjustment		212
	Tiomos flap hinges for flap thicknesses from 22 to 30 mm • Cup hole 35 mm • 3-dimensional adjustment		214

TIOMOS FLAP HINGE

90° hinge (flap thickness from 14 to 21 mm)



- Modern design
- 90° opening angle
- For flap thicknesses up to 21 mm
- Narrow reveals
- High overlay up to 19 mm
- Cup depth 12 mm
- 3-dimensional adjustment
- Very suitable for combination with the Kinvaro D flap stays

Note:

- Please order Kinvaro D flap stay separately



ORDER INFORMATION

Door overlay			Material	Scope of delivery	Art. No.	
					For screw fitting	
Overlay			Zamak, nickel-plated	Arm part (1x) Cup part (1x) Cover cap (1x)	F053139690	
Overlay			Zamak, Night	Arm part (1x) Cup part (1x) Cover cap (1x)	F053139692	

Door overlay			Material	Scope of delivery	Art. No.	
					For screw fitting	
Overlay			Zamak, nickel-plated	Arm part (1x) Cup part (1x)	F053139671	
Overlay			Zamak, Night	Arm part (1x) Cup part (1x)	F053139677	

COVER CAPS

	Designation	Art. No.
	Hinge arm cover cap, steel, nickel-plated	F053139675
	Hinge arm cover cap, steel, Night	F053139683

ADAPTER PLATES

	Designation	Art. No.
	Adapter plate, 1.5 mm, nickel-plated	F053139676
	Adapter plate, 1.5 mm, Night	F053139684
	Adapter plate, 7 mm, nickel-plated	F053139688
	Adapter plate, 7 mm, Night	F053139689

PAGE REFERENCES

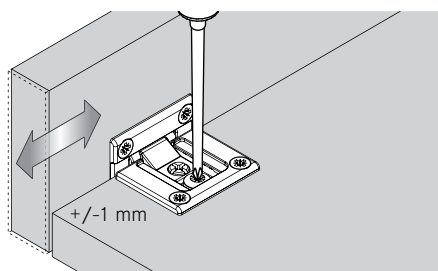
Kinvaro D-M	290
Kinvaro D-S	292

PLANNING DIMENSIONS

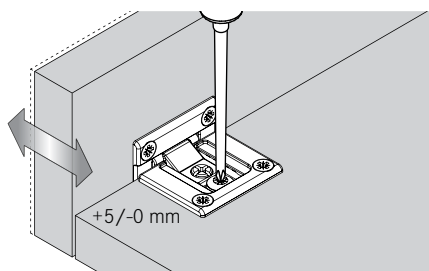
All dimensions in millimetres

Overlay, without adapter plate		Overlay, with adapter plate (1.5 mm, 1x)		Overlay, with adapter plate (1.5 mm, 2x)		Half overlay, with adapter plate (7 mm)																																																																
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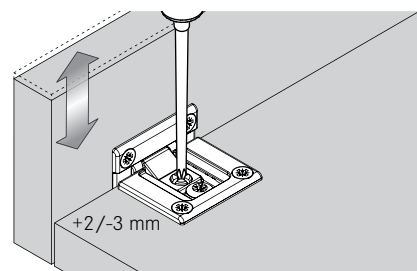
SIDE ADJUSTMENT



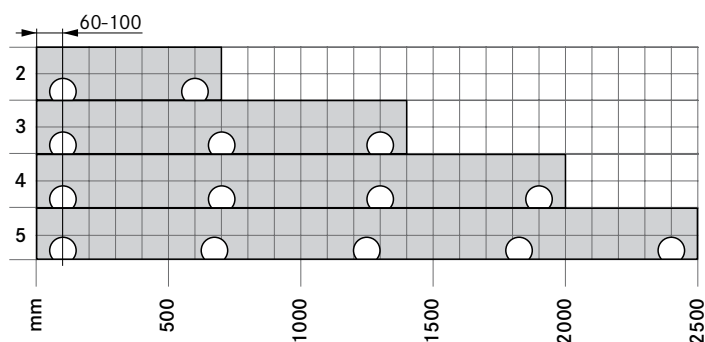
DEPTH ADJUSTMENT



HEIGHT ADJUSTMENT



NUMBER OF HINGES

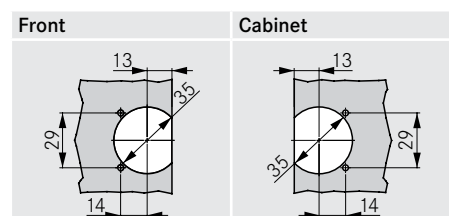


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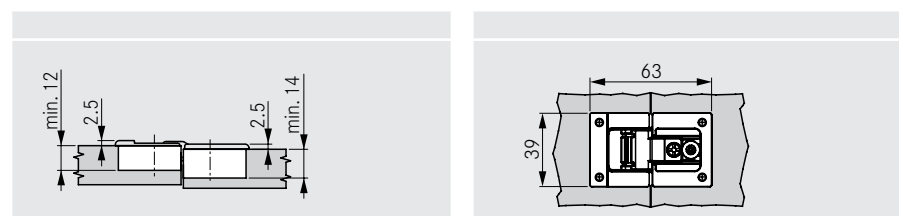
Fixing of flap and base parts with chipboard screws Ø 3.5 x 15 mm (screws are not supplied).

Hinge dimensions and reveal calculation with factory setting.

DRILLING PATTERNS



CUP DIMENSIONS



TIOMOS FLAP HINGE

90° hinge (flap thickness from 22 to 30 mm)



- Modern design
- 90° opening angle
- For flap thicknesses up to 30 mm
- Narrow reveals
- High overlay up to 19 mm
- Cup depth 17 mm
- 3-dimensional adjustment
- Very suitable for combination with the Kinvaro D flap stays

Note:

- Please order Kinvaro D flap stay separately



ORDER INFORMATION

Door overlay			Material	Scope of delivery	Art. No.	
					For screw fitting	
Overlay			Zamak, nickel-plated	Arm part (1x) Cup part (1x) Cover cap (1x)	F053139691	
Overlay			Zamak, Night	Arm part (1x) Cup part (1x) Cover cap (1x)	F053139693	

Door overlay			Material	Scope of delivery	Art. No.	
					For screw fitting	
Overlay			Zamak, nickel-plated	Arm part (1x) Cup part (1x)	F053139672	
Overlay			Zamak, Night	Arm part (1x) Cup part (1x)	F053139678	

COVER CAPS

	Designation	Art. No.
	Hinge arm cover cap, steel, nickel-plated	F053139675
	Hinge arm cover cap, steel, Night	F053139683

ADAPTER PLATES

	Designation	Art. No.
	Adapter plate, 1.5 mm, nickel-plated	F053139676
	Adapter plate, 1.5 mm, Night	F053139684
	Adapter plate, 7 mm, nickel-plated	F053139688
	Adapter plate, 7 mm, Night	F053139689

PAGE REFERENCES

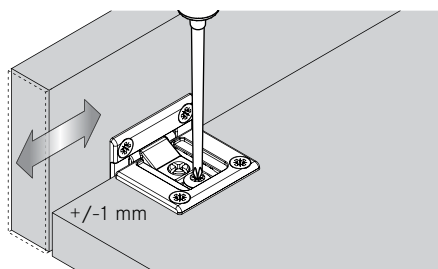
Kinvaro D-M	290
Kinvaro D-S	292

PLANNING DIMENSIONS

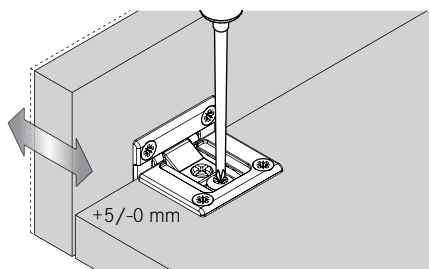
All dimensions in millimetres

	Overlay, without adapter plate	Overlay, with adapter plate (1.5 mm, 1x)	Overlay, with adapter plate (1.5 mm, 2x)	Half overlay, with adapter plate (7 mm)																																																																																
Flap thickness (TS)	<table><tr><th colspan="2">Minimum reveal (F)</th></tr><tr><td>22</td><td>1</td></tr><tr><td>23</td><td>1</td></tr><tr><td>24</td><td>1</td></tr><tr><td>25</td><td>1.5</td></tr><tr><td>26</td><td>2.5</td></tr><tr><td>27</td><td>3.5</td></tr><tr><td>28</td><td>4.5</td></tr><tr><td>29</td><td>5.5</td></tr><tr><td>30</td><td>6.5</td></tr></table>	Minimum reveal (F)		22	1	23	1	24	1	25	1.5	26	2.5	27	3.5	28	4.5	29	5.5	30	6.5	<table><tr><th colspan="2">Minimum reveal (F)</th></tr><tr><td>22</td><td>1</td></tr><tr><td>23</td><td>1</td></tr><tr><td>24</td><td>1</td></tr><tr><td>25</td><td>1.5</td></tr><tr><td>26</td><td>2.5</td></tr><tr><td>27</td><td>3.5</td></tr><tr><td>28</td><td>4.5</td></tr><tr><td>29</td><td>5.5</td></tr><tr><td>30</td><td>6.5</td></tr></table>	Minimum reveal (F)		22	1	23	1	24	1	25	1.5	26	2.5	27	3.5	28	4.5	29	5.5	30	6.5	<table><tr><th colspan="2">Minimum reveal (F)</th></tr><tr><td>22</td><td>1</td></tr><tr><td>23</td><td>1</td></tr><tr><td>24</td><td>1</td></tr><tr><td>25</td><td>1.5</td></tr><tr><td>26</td><td>2.5</td></tr><tr><td>27</td><td>3.5</td></tr><tr><td>28</td><td>4.5</td></tr><tr><td>29</td><td>5.5</td></tr><tr><td>30</td><td>6.5</td></tr></table>	Minimum reveal (F)		22	1	23	1	24	1	25	1.5	26	2.5	27	3.5	28	4.5	29	5.5	30	6.5	<table><tr><th colspan="2">Minimum reveal (F)</th></tr><tr><td>22</td><td>1</td></tr><tr><td>23</td><td>1</td></tr><tr><td>24</td><td>1</td></tr><tr><td>25</td><td>1.5</td></tr><tr><td>26</td><td>2.5</td></tr><tr><td>27</td><td>3.5</td></tr><tr><td>28</td><td>4.5</td></tr><tr><td>29</td><td>5.5</td></tr><tr><td>30</td><td>6.5</td></tr></table>	Minimum reveal (F)		22	1	23	1	24	1	25	1.5	26	2.5	27	3.5	28	4.5	29	5.5	30	6.5
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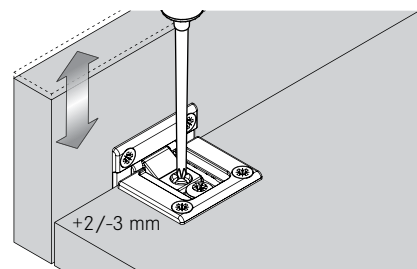
SIDE ADJUSTMENT



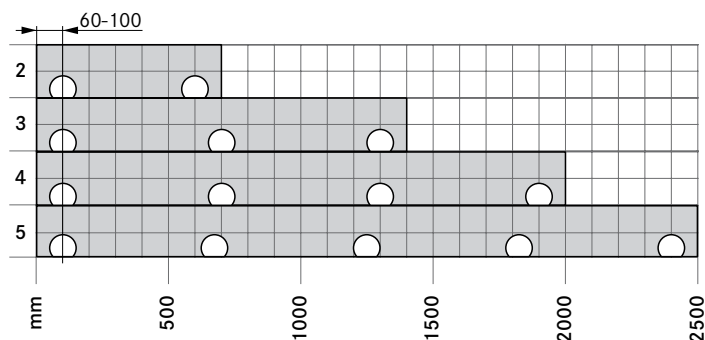
DEPTH ADJUSTMENT



HEIGHT ADJUSTMENT



NUMBER OF HINGES

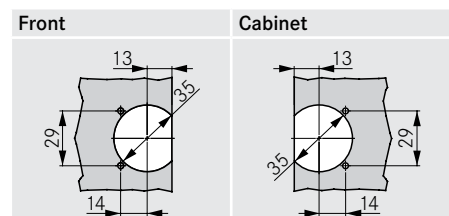


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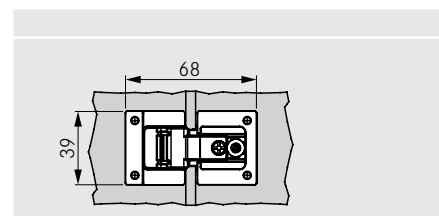
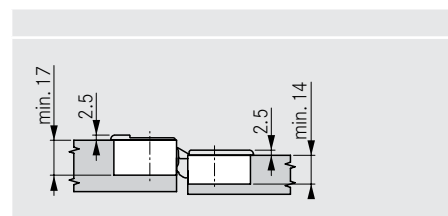
Fixing of flap and base parts with chipboard screws $\varnothing 3.5 \times 15$ mm (screws are not supplied).

Hinge dimensions and reveal calculation with factory setting.

DRILLING PATTERNS

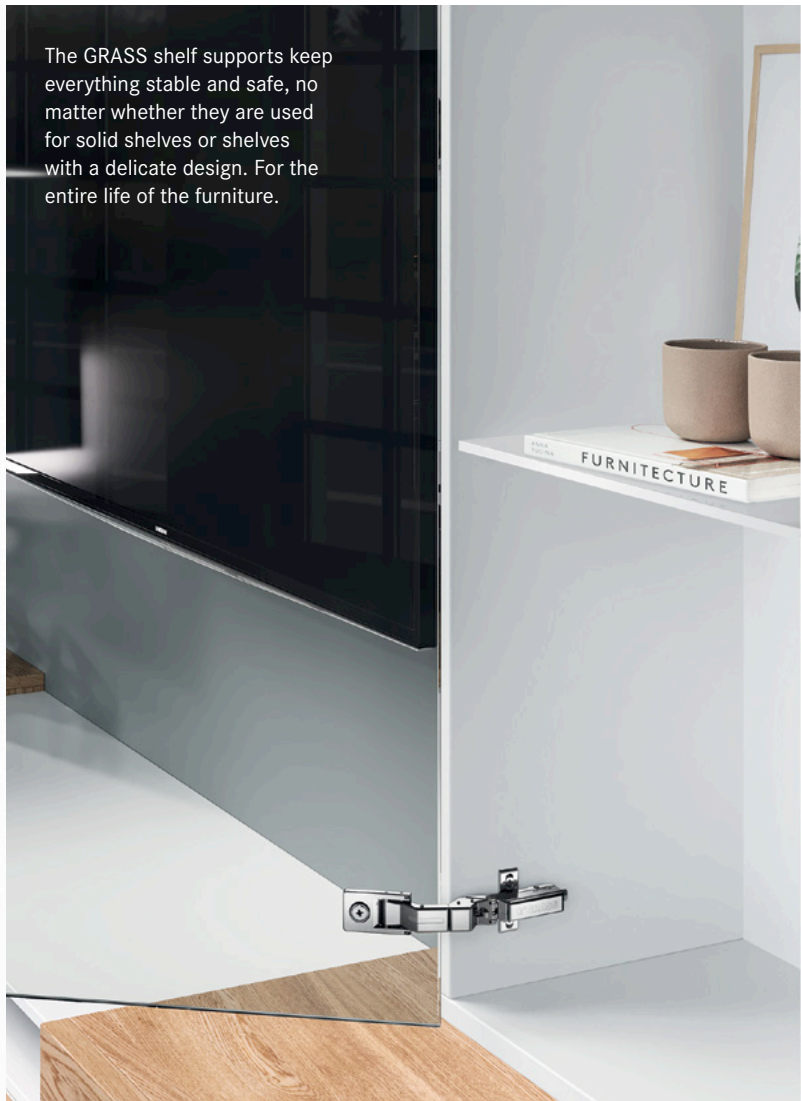


CUP DIMENSIONS





The GRASS shelf supports keep everything stable and safe, no matter whether they are used for solid shelves or shelves with a delicate design. For the entire life of the furniture.



Robust eccentric connectors and shelf supports for increased stability and a long furniture life.

The strong FixoGRASS 9000 and 9200 connector systems keep the side walls with worktops, base panels or shelves securely and firmly in shape. Even when they are loaded with heavy goods.



Small
components.
Big
impact.



Cabinet making accessories for a firm hold

	Product description	Page
	Connecting shelf supports, shelf supports	218
	Eccentric connector FixoGRASS 9200	220
	Mitre joint fastener	222

CABINET MAKING ACCESSORIES

Shelf support



- Connecting shelf support FixoGRASS 9000
- Prevents any "buckling" of the cabinet side walls
- For heavily loaded shelves
- For shelves with a minimum thickness of 19 mm
- Clip prevents fitting from working loose

ORDER INFORMATION

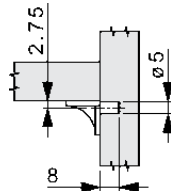
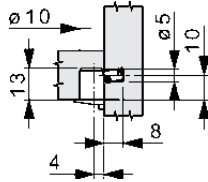
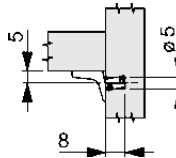
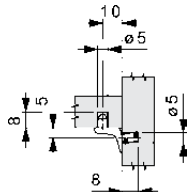
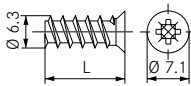
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Shelf support for fixing with wood screws (length 13 mm, Ø 3.5 mm)			Zamak, nickel-plated	F148043028
Shelf support for fixing with Euro screws (length 13 mm, Ø 6.2 mm) BT — drilling depth			Zamak, nickel-plated	F148043036
Housing			Plastic, white	F148043056
Expanding pin (for housing)			Steel, zinc-plated	F148043053

PAGE REFERENCES

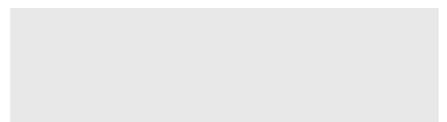
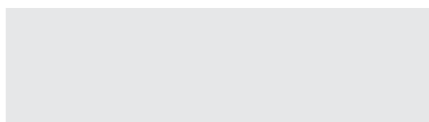
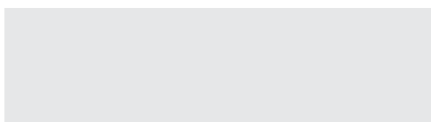
Assembly technology	225



ORDER INFORMATION

Designation			Material	Art. No.
Shelf support			Zamak, nickel-plated	F069073459
Shelf support			Zamak, nickel-plated	F069073460
Shelf support			Zamak, nickel-plated	F069073464
Shelf support			Zamak, nickel-plated	F069073463
Euro screw, Ø 6.3 x 10.5 mm			Nickel-plated	F146073979

LEGEND



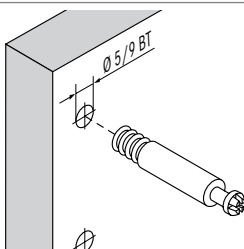
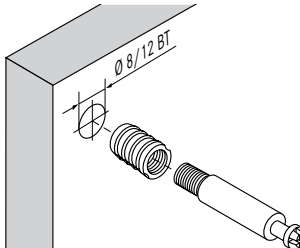
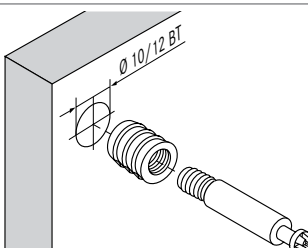
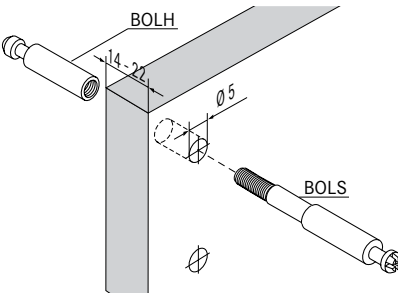
CABINET MAKING ACCESSORIES

Eccentric connector FixoGRASS 9200



- For connecting the side walls with worktops, base panels or shelves
- Small but sturdy connection fitting
- A range of steel bolts for different application options
- Easy to install
- Eccentric installation with hex size 5 Allen key

ORDER INFORMATION

Designation			Material	Art. No.
Eccentric for board thickness 14–16 mm			Zamak, nickel-plated	F148043000
Eccentric for board thickness 17–20 mm				F148043007
Eccentric for board thickness 21–23 mm				F148043015
Corner bolt for fixing with Euro thread Ø 6 mm			Steel, zinc-plated	F148044883
Corner bolt for fixing with dowel Ø 8 mm/M5	 		Steel, zinc-plated	F148044748
Dowel Ø 8 mm/M5			Plastic, white	F071085142
Corner bolt for fixing with dowel Ø 10 mm/M6	 		Steel, zinc-plated	F148043024
Dowel Ø 10 mm/M6			Plastic, white	F145083050
Twin bolts for fitting in Ø 5 mm holes	 		Steel, zinc-plated	F148044841
Twin bolts for fitting in Ø 5 mm holes				F148044842

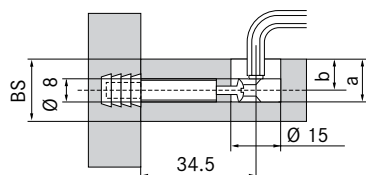
PAGE REFERENCES

Assembly technology	225

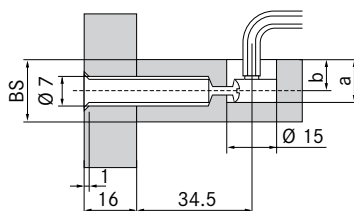
PLANNING DIMENSIONS

All dimensions in millimetres

Installation dimensions



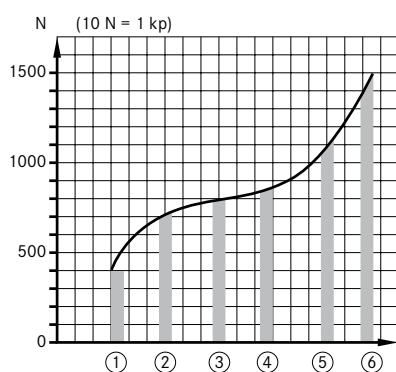
Installation drawing with corner bolt



Installation drawing with countersunk bolt or twin bolt

	Board thickness			
	14-16	17-20	21-23	
a	12.5	15.0	16.2	
b	8.0	9.5	11.0	

LOAD



- 1 Dowel Ø 8/M5 (not glued)
- 2 Dowel Ø 8/M5 (glued)
- 3 Euro screw Ø 6 x 11
- 4 Dowel Ø 10/M6 (not glued)
- 5 Dowel Ø 10/M6 (glued)
- 6 Twin bolts

NOTES

The maximum load shown in the diagram is intended for reference and is based on the axial pull-out resistance (of the bolt on the cabinet side).

The key factors are the material quality and bore diameter.

In case of doubt, the pull-out resistance must be determined by means of a trial fitting.

LEGEND

BOLH Bolt sleeve
BOLS Bolt screw
BS Shelf thickness
BT Drilling depth

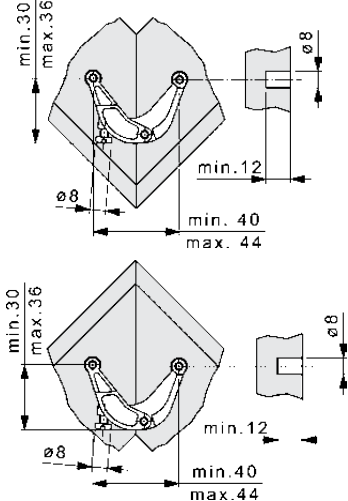
kp Kilogram force
N Newton

CABINET MAKING ACCESSORIES

Mitre joint fastener



ORDER INFORMATION

Designation			Material	Art. No.
Mitre joint fastener			Zamak, natural	F069073454

PAGE REFERENCES

Assembly technology	225

LEGEND



SOPHISTICATED AND WELL-TESTED TECHNOLOGY FOR FAST, SAFE WORKING. THE VALUE OF A MOVEMENT SYSTEM IS MADE UP OF MANY INFLUENCING FACTORS. IN ADDITION TO VISUAL AND FUNCTIONAL PROPERTIES, THE FOCUS IS ON PERMANENTLY CONSISTENT QUALITY AND THE POSSIBILITIES FOR EFFICIENT PROCESSING. GRASS OFFERS PROFESSIONAL INSTALLATION AND ASSEMBLY AIDS FOR ALL PRODUCT FAMILIES, TAILORED TO THE MANUFACTURING TECHNOLOGY OF OUR SATISFIED CUSTOMERS.

Tecmator.
Strong. Fast.
Economical.



Along with the Tecmator drawer presses for the professional assembly of our drawer systems and the Tecmator drilling and insertion machines, GRASS offers a variety of useful accessories for trade and industry.

Tecmator

Assembly technology

Installation and assembly aids. Tried-and-tested technology for the professional and cost-effective assembly of GRASS movement systems.

Drilling and insertion machines		Page
Tecmator RM	For cabinet makers	226
Tecmator RP	For cabinet makers, shop fitters and medium-scale manufacturers	228

Assembly aids and accessories		Page
Hinge systems		230

TECMATOR RM

Ideal for cabinet makers



- Robust and practical construction
- Quick setup
- 3-spindle drilling head for hinge holes

Standard equipment

- 3-spindle drilling head
- 1 tool set
- 1 stop guide 600 mm
- 2 flip stops with clamping lever
- 1 machine table

Standard equipment does not include side lever, insertion die or drill bit. Please order separately.

ORDER INFORMATION

Designation	Voltage	Frequency	Art. No.
Tecmator RM, 3-spindle, 45/9.5	1 x 230 V	50 Hz	F146135852
Tecmator RM, 3-spindle, 45/9.5	1 x 110 V	60 Hz	F146135851

PAGE REFERENCES

Hinge systems	7				

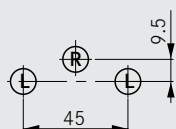
DRILL BIT WITH SHAFT Ø 10

	Drill bit length	Drill bit Ø	Left-hand (red)	Right-hand (black)
	50	2.7	F146135822	F146135823
	57	5	F146135824	F146135825
		8	F146135826	F146135827
		10	F146135828	F146135829
		35	–	F146135830

ACCESSORIES

	Description	Art. No.
	Side lever for insertion die	F146135861
	Universal insertion die for Nexis and Tiomos hinges (additional dies on request)	F146135821
	Left-hand or right-hand side stop	F146135810
	Stop guide extension 800 mm, left	F146135957
	Stop guide extension 800 mm, right	F146135958
	Quick-change drill chuck, left	F146135835
	Quick-change drill chuck, right	F146135836

DRILLING PATTERN



TECMATOR RP

Ideal for cabinet makers, shop fitters and small series manufacturers



- Robust and practical construction
- Simple and straightforward replacement of spindle head
- Certified, type-tested design
- Pneumatic two-hand control for fast, safe working
- 6-spindle drilling head for hinge, mounting plate and connector fitting holes
- Useful special accessories enhanced machining options for furniture parts

Standard equipment

- 6-spindle drilling head including drill bits
- 1 insertion die for Nexis and Tiomos hinges
- 1 tool set
- 1 stop guide 600 mm
- 2 flip stops with clamping lever
- 1 machine table

ORDER INFORMATION

Designation	Voltage	Frequency	Art. No.
Tecmator RP, 6-spindle, 45/9.5	1 x 230 V	50 Hz	F146135840
Tecmator RP, 6-spindle, 45/9.5	1 x 110 V	60 Hz	F146135838
Tecmator RP, 6-spindle, 45/9.5	1 x 220 V	60 Hz	F146135839
Tecmator RP, 6-spindle, 45/9.5	3 x 380 V	50 Hz	F146135841

TECHNICAL DATA

Connections	
Electrical	1.5 KW
Pneumatic	6 bar 3000 N
Dust extraction	2 x Ø 100 mm

Dimensions	
Width	0.80 m
Depth	0.60 m
Height	0.78 m
Machine table	0.60 m x 0.40 m

Weight	
	65 kg

PAGE REFERENCES

Hinge systems	7

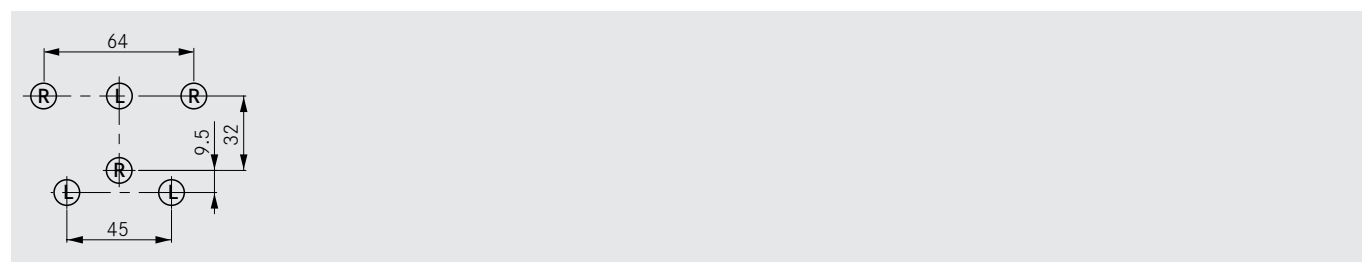
DRILL BIT WITH SHAFT Ø 10

	Drill bit length	Drill bit Ø	Left-hand (red)	Right-hand (black)
	50	2.7	F146135822	F146135823
	57	5	F146135824	F146135825
		8	F146135826	F146135827
		10	F146135828	F146135829
		35	–	F146135830

ACCESSORIES

	Description	Art. No.
	7-spindle vertical drilling gear with integrated marking pins for rows of holes in the 32 mm system (drill bits are not supplied)	F146135811
	Left-hand or right-hand side stop	F146135810
	Stop guide extension 800 mm, left	F146135957
	Stop guide extension 800 mm, right	F146135958
	Universal insertion die for Nexis and Tiomos hinges (additional dies available on request)	F146135821
	Quick-change drill chuck, left	F146135835
	Quick-change drill chuck, right	F146135836

DRILLING PATTERN



BENEFITS

Optimal fixing using pneumatic hold-down devices



Pneumatic two-hand control for fast, safe working



6-spindle drill head for hinge, mounting plate and connector fitting holes



ASSEMBLY AIDS

Hinge systems



HINGE DRILLING JIG JIG 500

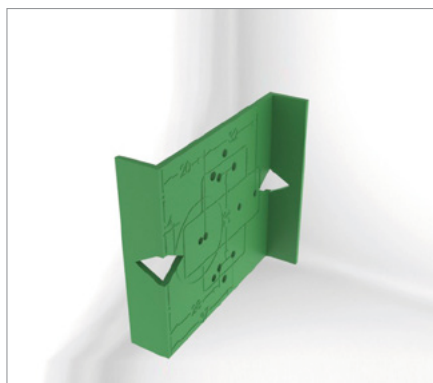
Drilling jig for Nexis and Tiomos hinges with wood screw fastening, pre-assembled dowels or Impresso hinges and for cross mounting plates.

1 set consists of:

- Drilling jig (1x)
- Jig for cross mounting plates (1x)
- Bit for drill (1x)
- Drill bits Ø 35 mm (1x)
- Drill bits Ø 8 mm (2x)



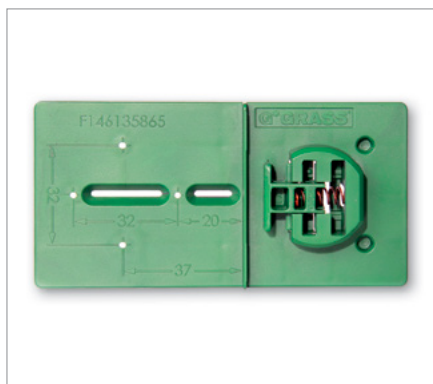
Drilling pattern	Art. No.
45/9.5	F146135776



MARKING JIG

Easy marking and pre-drilling for hinges, mini-hinges, cross and linear mounting plates.

Tiomos drilling pattern	Art. No.
45/9.5	F146135787



MARKING JIG TIOMOS COMFORT

- Easy to use
- Cup distance 3–5 mm
- Hinge cup positioning
- Linear mounting plate positioning
- Cross mounting plate positioning

	Art. No.
	F146135865



WOOD DRILL BIT Ø 5 MM WITH STOP RING

Used for pre-drilling holes for Euro screws.

- Ø 5 mm
- With stop ring
- Length 85 mm
- Accessory for use with F146100494 and F146100495

	Art. No.
	F146092594

PAGE REFERENCES

Hinge systems	7



PILOT DRILL BIT

Used for pre-drilling holes for countersunk chipboard screws Ø 3.5 mm.

	Art. No.
Pilot drill bit	F146035692

INSTALLATION INSTRUCTIONS

All dimensions in millimetres

Tiemos marking gauge Komfort

Use with existing hole distance 37

1

2

3

Use with existing cup hole

1

2

3

LEGEND

A	Cabinet side
B	Door
C	Cup hole
D	Linear mounting plate

E	Cross mounting plate
TA	Cup distance

All dimensions in millimetres. Subject to changes.

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Excellence in
Motion Design.



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