

The perfect solution for almost any application.

Hinge systems.

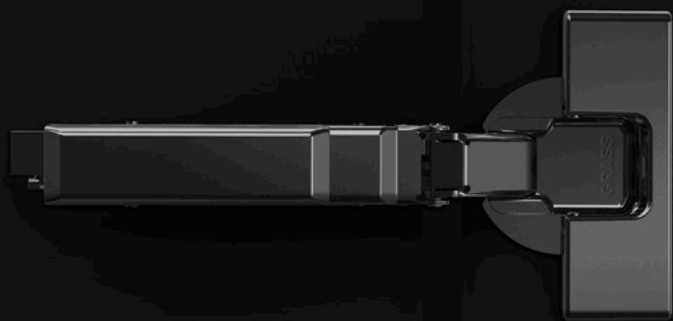


As a leading developer and manufacturer of functional movement systems, GRASS is certified in accordance with international quality and environmental management system DIN ISO 9001 and DIN ISO 14001.



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Our versatile hinge systems offer everything that moves doors: finely tuned movement systems combining design, top-quality workmanship, functionality and operating comfort.



Feel more WOW.

G*GRASS®

With a branded product, you know what you're getting. That's where GRASS is the best example. **Our premium-quality movement systems combine technological advances, comfortable functionality, top quality and precision through to the smallest detail.**



Soft-close _inside.

The entire damper system is concealed within the hinge arm.

Three levels for individual comfort.

In addition to its many special functions, timeless design and unique character, Tiomos 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.



To increase the damping level, the adjustment lever is turned 90° clockwise.



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



For gentler closing action, the adjustment of the Soft-close damper is turned 90° anticlockwise.



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

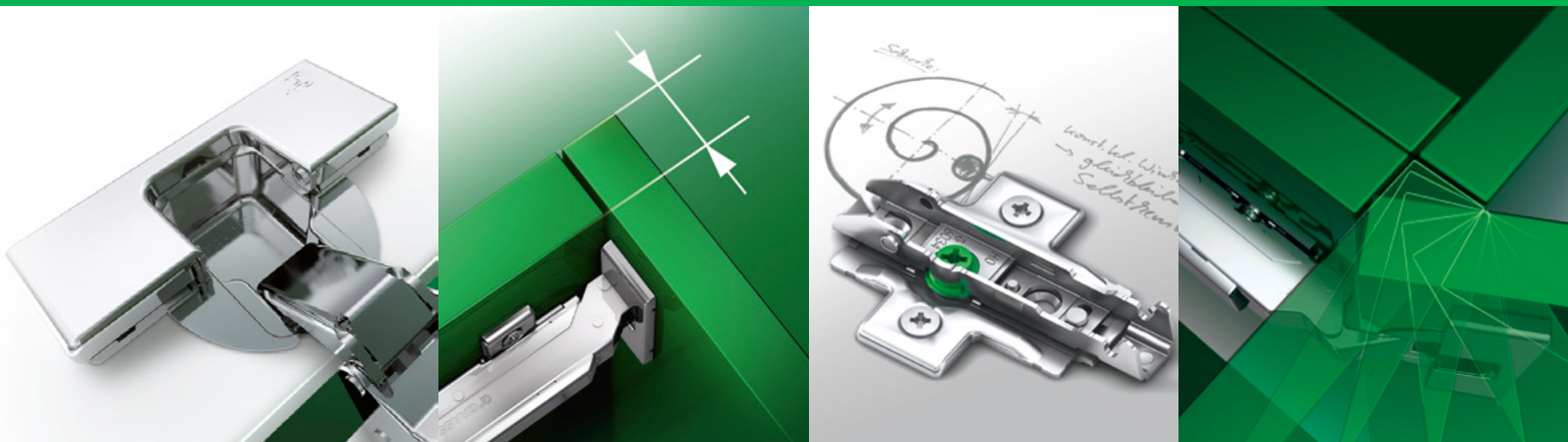


You can tell the quality of a hinge system by how long a hinge will function without developing a fault and how much it will drop under load. Tiomos achieves exceptionally positive values in tests for durability and dropping under load.

Tiomos Hinge system

In most cases, a masterpiece is the summation of many small strokes of genius. Tiomos is the best example to prove the point.

One of the outstanding characteristics of the hinge system is the Soft-close closing 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 process in each movement phase is smooth and completely seamless. And this is the case from an opening angle of 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 the damping system, Tiomos hinges can also be optionally fitted with a self-opening mechanism.

Perfect front panel 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. Height adjustment by +/- 2 mm. The overlay adjustment is +/- 2 mm with limit stop.

Another stroke of genius is the new kinematics inside Tiomos.

Thanks to physically optimised lever movements, furniture doors are extremely easy to open. In addition, this unique kinematic mechanism makes unprecedented alignment possible with minimum gaps. 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.



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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 elegant solution for high-quality mirror and glass doors. The Soft-close damping system 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 extensive 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

Firm and stable support for particularly slim 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 system.



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 system or with optional self-opening mechanism. In short: Tiomos meets all requirements to do justice to 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



Maximum 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 closing damper.

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 system 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 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.

Versatile hinges for every furniture door.

G What makes our hinge systems so special is their elegant and safe design for use with furniture doors, their smooth movement when opened and their gentle damping when closed.



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Complete damping comfort for 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 mirror and glass doors that combines all the advantages of the proven Tiomos hinge generation.

There are no limits to your creativity with our hinge systems, no matter whether it's for wood, glass, mirror or thin doors, aluminium frame doors, doors with mitres on all four sides, rebated doors, doors with or without handles, inset or overlay doors, doors with invisible or screw mounting, or doors with Tipmatic or Soft-close.



Tiomos Hidden.
The almost invisible hinge.



Hinge systems

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

	<p>Tiomos 009</p> <p>The overall aspiration of the range leaves nothing to be desired. Tiomos hinge system for all standard and special applications.</p>	
	<p>Tiomos M series 061</p> <p>The comfortable hinge generation for greater freedom in design. For mirror doors, glass doors, thin doors and much more.</p>	
	<p>Nexis 097</p> <p>Proven hinge systems. Functionality meets high operating comfort.</p>	
	<p>Special hinges 165</p> <p>Individual special solutions such as the Tiomos Hidden concealed hinge system, flap hinges for drinks compartment flaps or mini hinges.</p>	
	<p>Single-joint hinges 177</p> <p>Particularly wide-opening, solid metal hinges for individual or continuous cabinet construction. Space-saving. Flexible. Functional.</p>	
	<p>Assembly technology 193</p> <p>The concealed hinge system for sophisticated furniture design. Available for wood and aluminium frame doors.</p>	
	<p>Cabinet making accessories 203</p> <p>Small components with a big effect. Shelf supports, connecting screws, shelf brackets etc.</p>	

Maximum stability, integrated damping system, pure design.



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tiomos series.

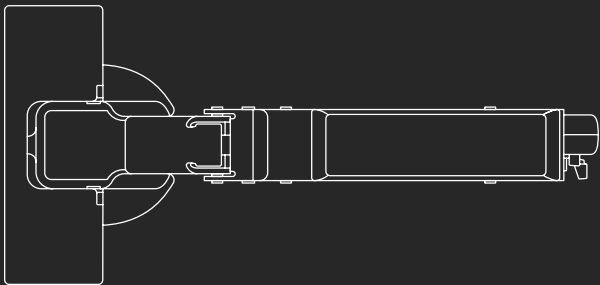
TI Consistent design solutions are only possible when all kinds of door applications can be covered by a single hinge system.



QUALITÄTS-ZERTIFIKAT
LGA

Every detail and function has been completely redesigned and redeveloped from the bottom up. The result is an elegant hinge system that easily meets all technical and functional requirements and creates a sensation with special product details.

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.




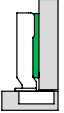
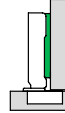
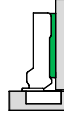
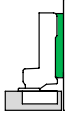

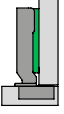
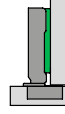
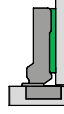
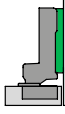

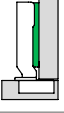
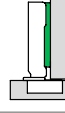
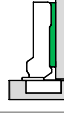
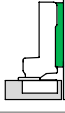






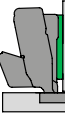


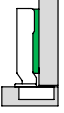
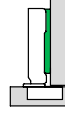
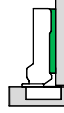
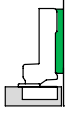

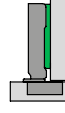
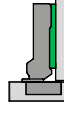
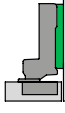

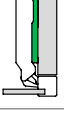
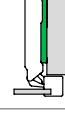
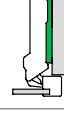
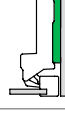

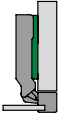
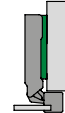
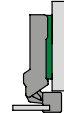
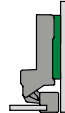

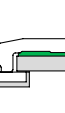

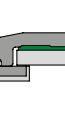
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Tiomos

Hinge systems

The hinge system with a modern design for all standard and special applications. With or without integrated damping system.


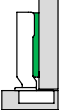

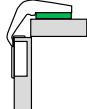
Opening angle		Description	Full overlay	Overlay	Half overlay	Inset	Page
110°		Tiomos 110 • Optimal reveal for door thicknesses up to 24 mm • Worm screw for convenient depth adjustment					12
110°		Tiomos Night 110 • Optimal reveal for door thicknesses up to 24 mm • Worm screw for convenient depth adjustment					14
120°		Tiomos 120 • Optimal reveal for door thicknesses up to 24 mm • Worm screw for convenient depth adjustment					16
155°		Tiomos 155 • Optimal reveal for door thicknesses up to 32 mm • Shallow cup depth • For cabinets with inset drawers or pull-out shelves					18
155°		Tiomos Night 155 • Optimal reveal for door thicknesses up to 32 mm • Shallow cup depth • For cabinets with inset drawers or pull-out shelves	-			-	20
95°		Tiomos 95 • Optimal reveal for door thicknesses up to 28 mm • Worm screw for convenient depth adjustment					22
95°		Tiomos Night 95 • Optimal reveal for door thicknesses up to 28 mm • Worm screw for convenient depth adjustment	-				24
110°		Tiomos 110 AL • 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					26
110°		Tiomos Night 110 AL • 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					28
110°		Tiomos 110/90A • Hinge for blind corner constructions • Worm screw for convenient depth adjustment	-		-	-	30
110°		Tiomos Night 110/90A • Hinge for blind corner constructions • Worm screw for convenient depth adjustment	-		-	-	32

Tiomos

Hinge systems

The hinge system with a modern design for all standard and special applications. With or without integrated damping system.

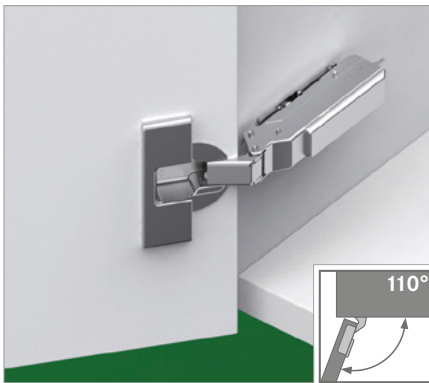
Opening angle		Description	Full overlay	Overlay	Half overlay	Inset	Page
110°		Tiomos 110/90E • Hinge for blind corner constructions • Worm screw for convenient depth adjustment	-	-	-		34
110°		Tiomos Night 110/90E • Hinge for blind corner constructions • Worm screw for convenient depth adjustment	-	-	-		36
110°		Tiomos 110/30A • For 30° angled cabinets • Worm screw for convenient depth adjustment	-		-	-	38
110°		Tiomos 110/30E • For 30° angled cabinets • Worm screw for convenient depth adjustment	-	-	-		40
110°		Tiomos 110/37A • For 37° angled cabinets • Worm screw for convenient depth adjustment	-		-	-	42
110°		Tiomos 110/37E • For 37° angled cabinets • Worm screw for convenient depth adjustment	-	-	-		44
110°		Tiomos 110/45A • For 45° angled cabinets • Worm screw for convenient depth adjustment	-		-	-	46
110°		Tiomos 110/45E • For 45° angled cabinets • Worm screw for convenient depth adjustment	-	-	-		48
120°		Tiomos 120/-15A • For -15° angled cabinets • Worm screw for convenient depth adjustment	-		-	-	50
120°		Tiomos 120/-30A • For -30° angled cabinets • Worm screw for convenient depth adjustment	-		-	-	52
120°		Tiomos 120/-45A • For -45° angled cabinets • Worm screw for convenient depth adjustment	-		-	-	54

Opening angle		Description	Full overlay	Overlay	Half overlay	Inset	Page
100°		Tiomos 100 <ul style="list-style-type: none"> • For fridge doors (sliding system) • Worm screw for convenient depth adjustment 		-	-	-	56
-		Tiomos PCC <ul style="list-style-type: none"> • For connecting two corner cabinet doors • Worm screw for convenient depth adjustment 	-		-	-	58

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TIOMOS 110

110° hinge (door thicknesses up to 24 mm)



- 110° opening angle
- Optimal reveal for door thicknesses up to 24 mm
- With convenient depth adjustment via worm screw
- 3-dimensional adjustment with corresponding mounting plate

ORDER INFORMATION

Door position		Crank	Damper	Spring	Material	Click-on		Impresso
						Press-fit	Screw-on	Toolless
Full overlay		0	■	■	Steel	F028 138523	F028 1385 19	F017 1394 14
		0	-	■	Steel	F045 138461	F045 138457	F034 139385
		0	-	-	Steel		F046 138579¹	F035 139442¹
Overlay		3	■	■	Steel	F028 138524	F028 138520	F017 1394 15
		3	-	■	Steel	F045 138462	F045 138458	F034 139386
		3	-	-	Steel		F046 138580¹	F035 139443¹
Half overlay		9.5	■	■	Zamak/Steel	F028 138525	F028 138521	F017 1394 16
		9.5	-	■	Zamak/Steel	F045 138463	F045 138459	F034 139387
		9.5	-	-	Zamak/Steel		F046 138581¹	F035 139444¹
Inset		19	■	■	Zamak/Steel	F028 138526	F028 138522	F017 1394 17
		19	-	■	Zamak/Steel	F045 138464	F045 138460	F034 139388
		19	-	-	Zamak/Steel		F046 138582¹	F035 139445¹

¹Additionally Tipmatic Pin required

COVER CAPS

	Designation	Personalisation (logo)	Colour	Suitable for cranking	Art. no.
	Hinge arm; Standard; Steel; Left or right; Without Logo	Digital printing, Stamping	Nickel	0/3/9,5/14/19	F072 135500
	Hinge arm; Standard; Steel; Right; With GRASS Logo	Stamping	Nickel	0/3/9,5/14/19	F072 135550
	Hinge arm; Standard; Steel; Left; With GRASS Logo	Stamping	Nickel	0/3/9,5/14/19	F072 135551
	Hinge arm; With integrated clip protection; ABS; Left or right; Without Logo	Digital printing	Black	0/3/9,5/14/19	F072 140504
	Hinge cup; Standard; Steel; Left or right; Without Logo		Nickel		F072 135503

ACCESSORIES

	Designation	Art. no.		Designation	Art. no.
	Tipmatic pin, short, Light grey	F069 149392		Tiomos Opening angle limiter, 85°	F072 135751
	Tipmatic pin, long, Light grey	F069 149389		Clip-off protection	F072 135807

PAGE REFERENCES

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Accessories	86	Assembly technology	193		
Technical information	90	Assembly aids	198		

PLANNING INFORMATION

All dimensions in millimetres

Full overlay	K0	Overlay	K3	Half overlay	K9.5	Inset ¹	K19						
<p>Mounting plate height 2</p>		<p>Mounting plate height 2</p>		<p>Mounting plate height 2</p>		<p>Mounting plate height 2 ¹Set the mounting plate back by the door thickness + 1.5 mm</p>							
Door overlay	0	Cup distance					Door reveal	19	Cup distance				
		3	4	5	6	7			3	4	5	6	7
	24.0					-2		0.0		0		2	3
	23.0				-2			0.5					3.5
	22.0			-2		0		1.0	0		2	3	
	21.0		-2		0			1.5				3.5	
	20.0	-2		0		2		2.0		2	3		
	19.0		0		2	3		3.0	2	3			
	18.5					3.5		4.0	3				
	18.0	0		2	3								
	17.5					3.5							
	17.0		2	3									
16.5			3.5										
16.0	2	3											
15.5		3.5											
15.0	3												
14.5	3.5												
	Mounting plate height						Mounting plate height						
Door overlay	3	Cup distance					Door reveal	9.5	Cup distance				
		3	4	5	6	7			3	4	5	6	7
	21.0					-2		14.5					-2
	20.0				-2			13.5				-2	
	19.0			-2		0		12.5			-2		0
	18.0		-2		0			11.5		-2		0	
	17.0	-2		0		2		10.5	-2		0		2
	16.5					3		10.0					
	16.0		0		2	3		9.5		0		2	3
	15.5					3.5		9.0					3.5
	15.0	0		2	3			8.5	0		2	3	
	14.5					3.5		8.0				3.5	
14.0		2	3			7.5		2	3				
13.5			3.5			7.0			3.5				
13.0	2	3				6.5	2	3					
12.5		3.5				6.0		3.5					
12.0	3					5.5	3						
11.5	3.5					5.0	3.5						
	Mounting plate height						Mounting plate height						

MINIMUM GAP

MINIMUM REVEAL

85° OPENING ANGLE

NOTICE

Door thickness	Cup distance					Minimum gap
	3	4	5	6	7	
24.0	1.0	1.0	1.0	1.2 ²	2.1 ²	
22.0	1.0	1.0	1.0	1.0	1.5 ²	
21.0	1.0	1.0	1.0	1.0	1.2 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	

Door thickness	Cup distance					Minimum reveal (F)
	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	

Door thickness	Cup distance					Minimum reveal (F) ³ 85°
	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	

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.

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

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

² 1.0 with 85° opening angle

³ 85° opening angle reduction clip

DRILLING PATTERNS

CUP DIMENSIONS

For screw fitting

For press fitting

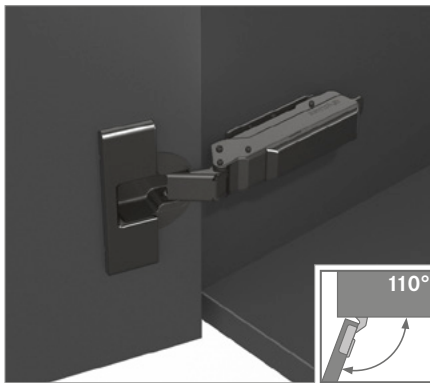
Impresso combination drilling pattern

Cup dimensions

() Impresso

TIOMOS NIGHT 110

110° hinge (door thicknesses up to 24 mm)



- 110° opening angle
- Optimal reveal for door thicknesses up to 24 mm
- With convenient depth adjustment via worm screw
- 3-dimensional adjustment with corresponding mounting plate
- Especially for dark cabinet materials and woods

ORDER INFORMATION

Door position		Crank	Damper	Spring	Material	Click-on	Screw-on	
Full overlay		0	■	■	Steel	F028 149492		
		3	■	■	Steel	F028 139 129		
		3	-	■	Steel	F045 140958		
Overlay		3	-	-	Steel	F046 149603 ¹		
		9.5	■	■	Zamak/Steel	F028 139 130		
		9.5	-	■	Zamak/Steel	F045 140952		
Half overlay		9.5	-	-	Zamak/Steel	F046 149604 ¹		
		19	■	■	Zamak/Steel	F028 139 131		
		19	-	■	Zamak/Steel	F045 140955		
Inset		19	-	-	Zamak/Steel	F046 149605 ¹		

¹Additionally Tipmatic Pin required

COVER CAPS

	Designation	Personalisation (logo)	Colour	Suitable for cranking	Art. no.
	Hinge arm; Standard; Steel; Left or right; Without Logo	Stamping	Night	0/3/9,5/14/19	F072 140519
	Hinge cup; Standard; Steel; Left or right; Without Logo		Night		F072 140520

ACCESSORIES

	Designation	Art. no.
	Tipmatic pin, short, Black	F069 149391
	Tipmatic pin, long, Black	F069 149388
	Tiomos Opening angle limiter, 85°	F072 135751

	Designation	Art. no.
	Countersunk head wood screw, Night, 3.5 x 15 mm	F072 135961
	Clip-off protection	F072 135807

PAGE REFERENCES

Tiomos mounting plates	76	Tipmatic	160		
Accessories	86	Assembly technology	193		
Technical information	90	Assembly aids	198		

TIOMOS 120

120° hinge (door thicknesses up to 24 mm)



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

ORDER INFORMATION

Door position		Crank	Damper	Spring	Material	Click-on		Impresso
						Press-fit	Screw-on	Toolless
Full overlay		0	■	■	Steel	F028 138551	F028 138547	F017 139428
Overlay		3	■	■	Steel	F028 138552	F028 138548	F017 139429
Half overlay		9.5	■	■	Zamak/Steel	F028 138553	F028 138549	F017 139430
Inset		19	■	■	Zamak/Steel	F028 138554	F028 138550	F017 139558

COVER CAPS

	Designation	Personalisation (logo)	Colour	Suitable for cranking	Art. no.
	Hinge arm; Standard; Steel; Left or right; Without Logo	Digital printing, Stamping	Nickel	0/3/9,5/14/19	F072 135500
	Hinge arm; Standard; Steel; Right; With GRASS Logo	Stamping	Nickel	0/3/9,5/14/19	F072 135550
	Hinge arm; Standard; Steel; Left; With GRASS Logo	Stamping	Nickel	0/3/9,5/14/19	F072 135551
	Hinge arm; With integrated clip protection; ABS; Left or right; Without Logo	Digital printing	Black	0/3/9,5/14/19	F072 140504
	Hinge cup; Standard; Steel; Left or right; Without Logo		Nickel		F072 135503

ACCESSORIES

	Designation	Art. no.
	Tiomos Opening angle limiter, 85°	F072 135751

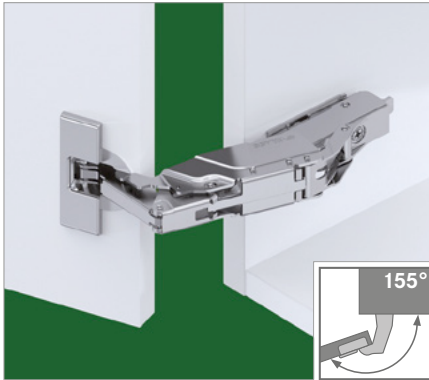
	Designation	Art. no.
	Clip-off protection	F072 135807

PAGE REFERENCES

Tiomos mounting plates	76	Tipmatic	160		
Accessories	86	Assembly technology	193		
Technical information	90	Assembly aids	198		

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 reveal for door thicknesses up to 32 mm
- 3-dimensional adjustment with corresponding mounting plate
- Minimum reveals
- Shallow cup depth

ORDER INFORMATION

Door position		Crank	Damper	Spring	Material	Click-on		Impresso
						Press-fit	Screw-on	Toolless
Full overlay		0	■	■	Zamak	F028138564	F028138561	F017139435
		0	-	■	Zamak		F045138499	
		0	-	-	Zamak		F046138621 ¹	
Overlay		3	■	■	Zamak	F028138565	F028138562	F017139436
		3	-	■	Zamak		F045138500	
		3	-	-	Zamak		F046138622 ¹	
Half overlay		9.5	■	■	Zamak	F028138566	F028138563	F017139437
		9.5	-	■	Zamak		F045138501	

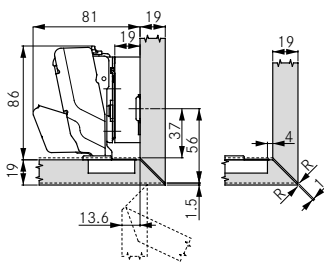
¹Additionally Tipmatic Pin required

ACCESSORIES

	Designation	Art. no.
	Tipmatic pin, short, Light grey	F069149392
	Tipmatic pin, long, Light grey	F069149389

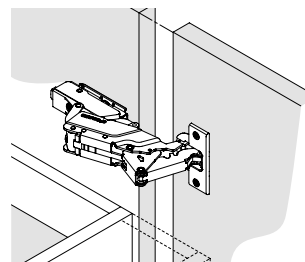
	Designation	Art. no.
	Tiomos Opening angle limiter, 120°	F072135753
	Clip-off protection	F072135807

MITRED APPLICATION (ON ALL SIDES)



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

ZERO PROTRUSION



For use with inset drawers.

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

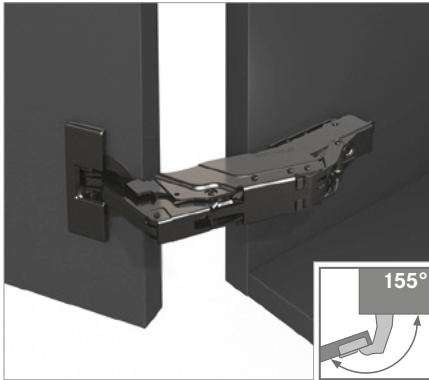
Door thickness (TS)	Mitre, on all sides	Mitre, side
	R (min.)	R (min.)
19-20	1.0	0
22	2.0	0
24	3.0	1.0
26	4.2	2.5
28	5.4	3.8
24	6.5	5.3

PAGE REFERENCES

Tiomos mounting plates	76	Tipmatic	160		
Accessories	86	Assembly technology	193		
Technical information	90	Assembly aids	198		

TIOMOS NIGHT 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 reveal for door thicknesses up to 32 mm
- 3-dimensional adjustment with corresponding mounting plate
- Minimum reveals
- Shallow cup depth
- Especially for dark cabinet materials and woods

ORDER INFORMATION

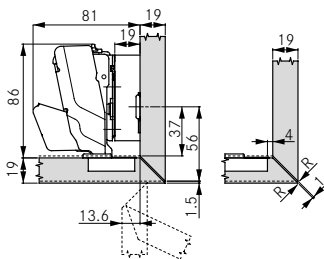
Door position		Crank	Damper	Spring	Material	Click-on	Screw-on	
Overlay		3	■	■	Zamak	F028140944		
Half overlay		9.5	■	■	Zamak	F028140942		

ACCESSORIES

	Designation	Art. no.
	Tiomos Opening angle limiter, 120°	F072135753
	Countersunk head wood screw, Night, 3.5 x 15 mm	F072135961

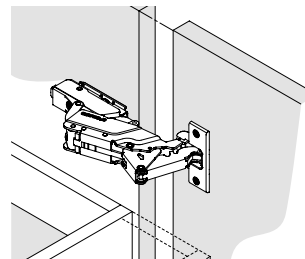
	Designation	Art. no.
	Clip-off protection	F072135807

MITRED APPLICATION (ON ALL SIDES)



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

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For use with inset drawers.

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

Door thickness (TS)	Mitre, on all 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
24	6.5	5.3

PAGE REFERENCES

Tiomos mounting plates	76	Tipmatic	160		
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PLANNING INFORMATION

All dimensions in millimetres

Overlay	K3	Half overlay	K9.5																																																																																																																																																																																																																																																			
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<table border="1"> <thead> <tr> <th rowspan="2">3</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>8</th> </tr> </thead> <tbody> <tr><td>22.0</td><td></td><td></td><td></td><td></td><td></td><td>-2</td></tr> <tr><td>21.0</td><td></td><td></td><td></td><td></td><td>-2</td><td></td></tr> <tr><td>20.0</td><td></td><td></td><td></td><td>-2</td><td>0</td><td></td></tr> <tr><td>19.0</td><td></td><td></td><td>-2</td><td>0</td><td></td><td></td></tr> <tr><td>18.0</td><td></td><td>-2</td><td>0</td><td>2</td><td></td><td></td></tr> <tr><td>17.0</td><td>-2</td><td>0</td><td>2</td><td>3</td><td></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>2</td><td>3</td><td></td><td></td></tr> <tr><td>15.5</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>15.0</td><td>0</td><td>2</td><td>3</td><td></td><td></td><td></td></tr> <tr><td>14.5</td><td></td><td></td><td></td><td></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></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></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> </tbody> </table>		3	Cup distance						3	4	5	6	7	8	22.0						-2	21.0					-2		20.0				-2	0		19.0			-2	0			18.0		-2	0	2			17.0	-2	0	2	3			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						<table border="1"> <thead> <tr> <th rowspan="2">9.5</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>8</th> </tr> </thead> <tbody> <tr><td>14.5</td><td></td><td></td><td></td><td></td><td>-2</td><td></td></tr> <tr><td>13.5</td><td></td><td></td><td></td><td>-2</td><td>0</td><td></td></tr> <tr><td>12.5</td><td></td><td></td><td>-2</td><td>0</td><td></td><td></td></tr> <tr><td>11.5</td><td></td><td>-2</td><td>0</td><td>2</td><td></td><td></td></tr> <tr><td>10.5</td><td>-2</td><td>0</td><td>2</td><td>3</td><td></td><td></td></tr> <tr><td>10.0</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>9.5</td><td></td><td>0</td><td>2</td><td>3</td><td></td><td></td></tr> <tr><td>9.0</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>8.5</td><td>0</td><td>2</td><td>3</td><td></td><td></td><td></td></tr> <tr><td>8.0</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>7.5</td><td></td><td>2</td><td>3</td><td></td><td></td><td></td></tr> <tr><td>7.0</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>6.5</td><td>2</td><td>3</td><td></td><td></td><td></td><td></td></tr> <tr><td>6.0</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>5.5</td><td>3</td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table>		9.5	Cup distance						3	4	5	6	7	8	14.5					-2		13.5				-2	0		12.5			-2	0			11.5		-2	0	2			10.5	-2	0	2	3			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					
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MINIMUM GAP

Door thickness	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

Minimum gap

MINIMUM REVEAL

Door thickness	Cup distance					
	3	4	5	6	7	8
32.0	0.2 ¹	0.2 ¹				
31.0	0.2 ¹	0.2 ¹	0.2 ¹	0.2 ¹		
30.0	0.2 ¹	0.2 ¹	0.2 ¹	0.2 ¹	0.2 ¹	
29.0	0.2 ¹	0.2 ¹	0.2 ¹	0.2 ¹	0.2 ¹	0.2 ¹
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

Minimum reveal (F)

¹ Only possible with 120° angle reduction clip

NOTICE

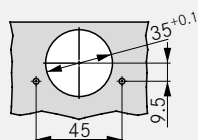
The minimum gap is the clearance required between the front edge of the cabinet and the closed door so that the door can be opened without hindrance.

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

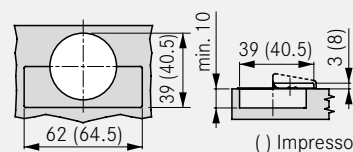
For door thicknesses from 28 mm, no reveals are necessary. For door thicknesses from 29 mm, we recommend a trial fitting.

DRILLING PATTERNS

For screw fitting



CUP DIMENSIONS



TIOMOS 95

95° hinge (door thicknesses up to 28 mm)



- 95° opening angle
- Optimal reveal for door thicknesses up to 28 mm
- With convenient depth adjustment via worm screw
- 3-dimensional adjustment with corresponding mounting plate

ORDER INFORMATION

Door position		Crank	Damper	Spring	Material	Click-on		Impresso
						Press-fit	Screw-on	Toolless
Full overlay		0	■	■	Steel	F028138571	F028138567	F017139438
		0	-	■	Steel		F045138505	
Overlay		3	■	■	Steel	F028138572	F028138568	F017139439
		3	-	■	Steel		F045138506	
		3	-	-	Steel		F046138628¹	
Half overlay		9.5	■	■	Zamak/Steel	F028138573	F028138569	F017139440
		9.5	-	■	Zamak/Steel		F045138507	
Inset		19	■	■	Zamak/Steel	F028138574	F028138570	F017139441
		19	-	■	Zamak/Steel		F045138508	

¹Additionally Tipmatic Pin required

COVER CAPS

	Designation	Personalisation (logo)	Colour	Suitable for cranking	Art. no.
	Hinge arm; Standard; Steel; Left or right; Without Logo	Digital printing, Stamping	Nickel	0/3/9,5/14/19	F072135500
	Hinge arm; Standard; Steel; Right; With GRASS Logo	Stamping	Nickel	0/3/9,5/14/19	F072135550
	Hinge arm; Standard; Steel; Left; With GRASS Logo	Stamping	Nickel	0/3/9,5/14/19	F072135551
	Hinge arm; With integrated clip protection; ABS; Left or right; Without Logo	Digital printing	Black	0/3/9,5/14/19	F072140504
	Hinge cup; Standard; Steel; Left or right; Without Logo		Nickel		F072135503

ACCESSORIES

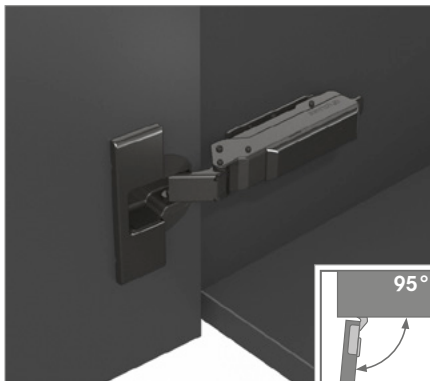
	Designation	Art. no.		Designation	Art. no.
	Tipmatic pin, short, Light grey	F069149392		Clip-off protection	F072135807
	Tipmatic pin, long, Light grey	F069149389			

PAGE REFERENCES

Tiomos mounting plates	76	Tipmatic	160		
Accessories	86	Assembly technology	193		
Technical information	90	Assembly aids	198		

TIOMOS NIGHT 95

95° hinge (door thicknesses up to 28 mm)



- 95° opening angle
- Optimal reveal for door thicknesses up to 28 mm
- With convenient depth adjustment via worm screw
- 3-dimensional adjustment with corresponding mounting plate
- Especially for dark cabinet materials and woods

ORDER INFORMATION

Door position		Crank	Damper	Spring	Material	Click-on		
						Screw-on		
Overlay		3	■	■	Steel	F028 139 138		
Half overlay		9.5	■	■	Zamak/Steel	F028 140 936		
Inset		19	■	■	Zamak/Steel	F028 140 939		

COVER CAPS

	Designation	Personalisation (logo)	Colour	Suitable for cranking	Art. no.
	Hinge arm; Standard; Steel; Left or right; Without Logo	Stamping	Night	0/3/9,5/14/19	F072 140 519
	Hinge cup; Standard; Steel; Left or right; Without Logo		Night		F072 140 520

ACCESSORIES

	Designation	Art. no.		Designation	Art. no.
	Countersunk head wood screw, Night, 3.5 x 15 mm	F072 135 961		Clip-off protection	F072 135 807

PAGE REFERENCES

Tiomos mounting plates	76	Tipmatic	160		
Accessories	86	Assembly technology	193		
Technical information	90	Assembly aids	198		

PLANNING INFORMATION

All dimensions in millimetres

Overlay	K3	Half overlay	K9.5	Inset ¹	K19																																																																																																																																																																																																																																																																																																																																																												
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MINIMUM GAP

MINIMUM REVEAL

NOTICE

Door thickness	Cup distance					
	3	4	5	6	7	
	36.0	1.0	1.0	1.0	1.4	2.4
	30.0	1.0	1.0	1.0	1.0	1.9
	28.0	1.0	1.0	1.0	1.0	1.7
	26.0	1.0	1.0	1.0	1.0	1.5
	24.0	1.0	1.0	1.0	1.0	1.4
22.0	1.0	1.0	1.0	1.0	1.2	
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	
Minimum gap						

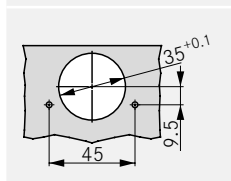
Door thickness	Cup distance					
	3	4	5	6	7	
	36.0	10.6	9.6	8.6	7.6	6.7
	30.0	4.5	3.5	2.5	2.5	1.5
	28.0	2.0	1.5	1.5	1.3	1.3
	26.0	1.0	1.0	1.0	1.0	1.0
	24.0	0.6	0.6	0.6	0.6	0.6
22.0	0.5	0.5	0.5	0.5	0.5	
20.0	0.3	0.3	0.3	0.3	0.3	
18.0	0.2	0.2	0.2	0.2	0.2	
16.0	0.2	0.2	0.2	0.2	0.2	
Minimum reveal (F)						

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.

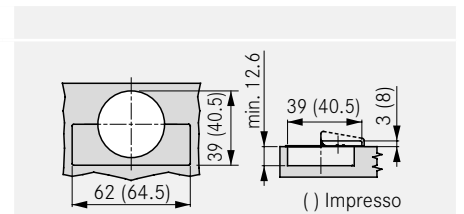
Minimum reveal for doors with chamfered edges (R = 1 mm) with factory setting.

DRILLING PATTERNS

For screw fitting



CUP DIMENSIONS



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

ORDER INFORMATION

Door position		Crank	Damper	Spring	Material	Click-on	Screw-on	
Full overlay		0	■	■	Steel	F028 138 154		
Overlay		3	■	■	Zamak/Steel	F028 138 155		
		3	-	■	Zamak/Steel	F045 138 062		
		3	-	-	Zamak/Steel	F046 138 246¹		
Half overlay		9.5	■	■	Zamak/Steel	F028 138 156		
		9.5	-	■	Zamak/Steel	F045 138 063		
Inset		19	■	■	Zamak/Steel	F028 138 157		

¹Additionally Tipmatic Pin required

COVER CAPS

	Designation	Personalisation (logo)	Colour	Suitable for cranking	Art. no.
	Hinge arm; Standard; Steel; Left or right; Without Logo	Digital printing, Stamping	Nickel	0/3/9,5/14/19	F072 135 500
	Hinge arm; Standard; Steel; Right; With GRASS Logo	Stamping	Nickel	0/3/9,5/14/19	F072 135 550
	Hinge arm; Standard; Steel; Left; With GRASS Logo	Stamping	Nickel	0/3/9,5/14/19	F072 135 551
	Hinge arm; With integrated clip protection; ABS; Left or right; Without Logo	Digital printing	Black	0/3/9,5/14/19	F072 140 504

ACCESSORIES

	Designation	Art. no.		Designation	Art. no.
	Tipmatic pin, short, Light grey	F069 149 392		Housing fastening screw, Zinc, M3 x 6 mm	F069 073 405
	Tipmatic pin, long, Light grey	F069 149 389		Clip-off protection	F072 135 807

PAGE REFERENCES

Tiomos mounting plates	76	Tipmatic	160		
Accessories	86	Assembly technology	193		
Technical information	90	Assembly aids	198		

PLANNING INFORMATION

All dimensions in millimetres

Full overlay	K0	Overlay	K3	Half overlay	K9.5	Inset ¹	K19	
<p>Mounting plate height 2</p>		<p>Mounting plate height 2</p>		<p>Mounting plate height 2</p>		<p>Mounting plate height 2</p> <p>¹Set the mounting plate back by the door thickness + 1.5 mm</p>		
Door overlay	0 Cup distance		Door overlay	3 Cup distance		Door overlay	19 Cup distance	
	19.0	0		16.0	0		0.0	0
	17.0	2		14.0	2		2.0	2
	16.0	3		13.0	3		3.0	3
	15.0	3.5		12.5	3.5		3.5	3.5
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	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)					

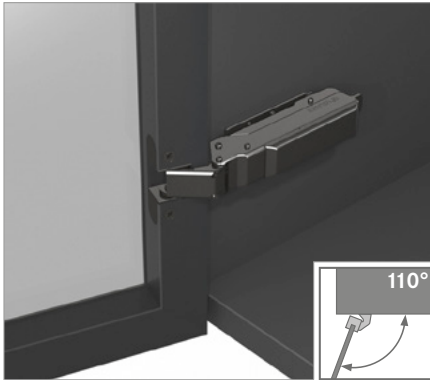
INSTALLATION DIMENSIONS

Fixing screws are not included

Hinge dimensions and reveal calculation with factory setting

TIOMOS NIGHT 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
- Especially for dark cabinet materials and woods

ORDER INFORMATION

Door position		Crank	Damper	Spring	Material	Click-on		
						Screw-on		
Full overlay		0	■	■	Zamak/Steel	F028 149495		
Overlay		3	■	■	Zamak/Steel	F028 140404		
		3	-	■	Zamak/Steel	F045 149510		
		3	-	-	Zamak/Steel	F046 149594¹		

¹Additionally Tipmatic Pin required

COVER CAPS

	Designation	Personalisation (logo)	Colour	Suitable for cranking	Art. no.
	Hinge arm; Standard; Steel; Left or right; Without Logo	Stamping	Night	0/3/9,5/14/19	F072140519

ACCESSORIES

	Designation	Art. no.		Designation	Art. no.
	Tipmatic pin, short, Black	F069 149391		Housing fastening screw, Zinc, M3 x 6 mm	F069073405
	Tipmatic pin, long, Black	F069 149388		Clip-off protection	F072135807

PAGE REFERENCES

Tiomos mounting plates	76	Tipmatic	160		
Accessories	86	Assembly technology	193		
Technical information	90	Assembly aids	198		

PLANNING INFORMATION

All dimensions in millimetres

Full overlay		K0	Overlay		K3
<p>Mounting plate height 2</p>		<p>Mounting plate height 2</p>			
Door overlay	0 Cup distance		Door overlay	3 Cup distance	
	19.0	0		16.0	0
	17.0	2		14.0	2
	16.0	3		13.0	3
	15.0	3.5		12.5	3.5
Mounting plate height		Mounting plate height			

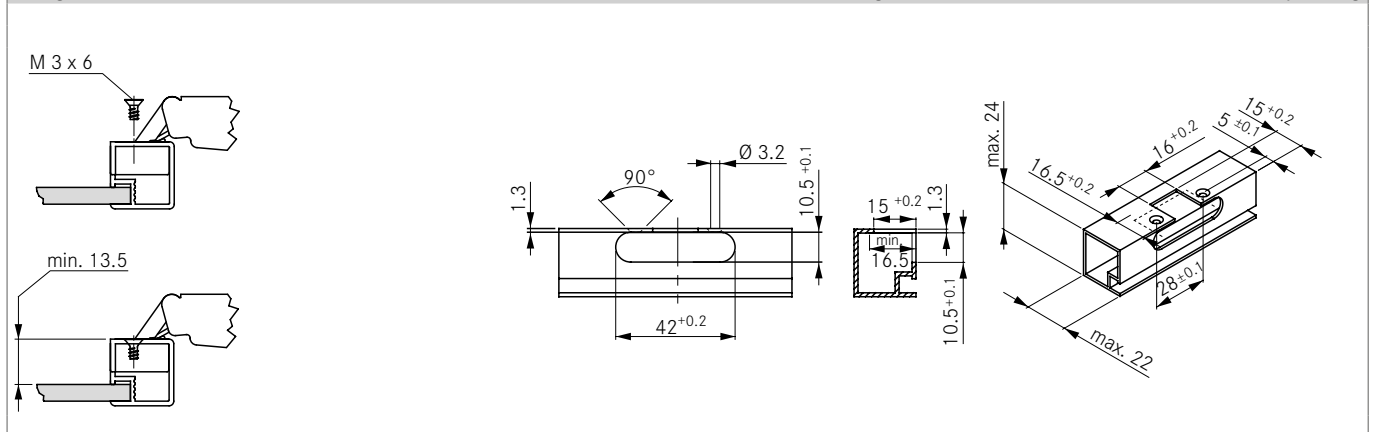
MINIMUM REVEAL

Frame thickness	Frame width				
	18	19	20	21	22
24.0	2.4	2.1	2.1	2.1	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)					

INSTALLATION DIMENSIONS

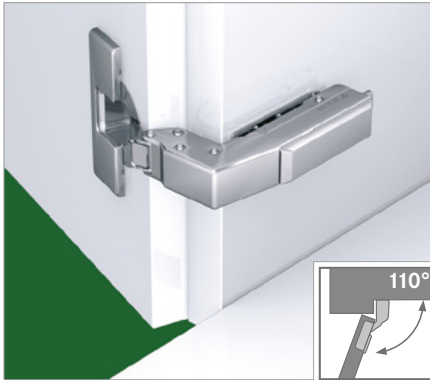
Fixing screws are not included

Hinge dimensions and reveal calculation with factory setting



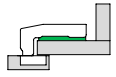
TIOMOS 110/90A

110° blind corner hinge (overlay)

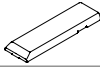


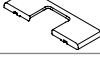


- Hinge for overlay blind corner constructions
- 110° opening angle
- With convenient depth adjustment via worm screw
- 3-dimensional adjustment with corresponding mounting plate
- Minimum reveals


ORDER INFORMATION


Door position		Damper	Spring	Material	Click-on		
					Press-fit	Screw-on	
Overlay		■	■	Zamak/Steel	F028138545	F028138535	

COVER CAPS

	Designation	Personalisation (logo)	Colour	Suitable for cranking	Art. no.
	Hinge arm; Standard; Steel; Left or right; Without Logo	Digital printing, Stamping	Nickel	0/3/9,5/14/19	F072135500
	Hinge arm; Standard; Steel; Right; With GRASS Logo	Stamping	Nickel	0/3/9,5/14/19	F072135550
	Hinge arm; Standard; Steel; Left; With GRASS Logo	Stamping	Nickel	0/3/9,5/14/19	F072135551
	Hinge arm; With integrated clip protection; ABS; Left or right; Without Logo	Digital printing	Black	0/3/9,5/14/19	F072140504
	Hinge cup; Standard; Steel; Left or right; Without Logo		Nickel		F072135503

ACCESSORIES

	Designation	Art. no.
	Tiomos Opening angle limiter, 85°	F072135751

	Designation	Art. no.
	Clip-off protection	F072135807

PAGE REFERENCES

Tiomos mounting plates	76	Tipmatic	160		
Accessories	86	Assembly technology	193		
Technical information	90	Assembly aids	198		

PLANNING INFORMATION

All dimensions in millimetres

Overlay

Cross mounting plates with mounting distance 37

Linear mounting plate

Drilling clearance (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 clearance (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

NOTICE

Door thickness	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

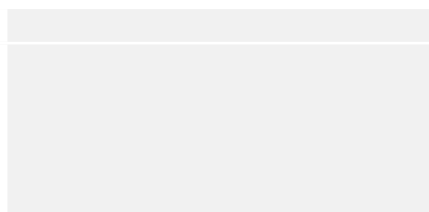
The minimum gap is the clearance required between the front edge of the cabinet and the closed door so that the door can be opened without hindrance.

DRILLING PATTERNS

CUP DIMENSIONS

For screw fitting

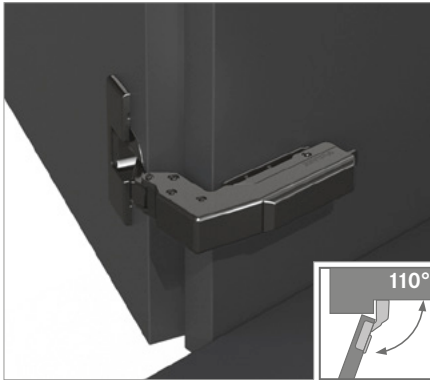
For press fitting



() Impresso

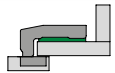
TIOMOS NIGHT 110/90A

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
- Especially for dark cabinet materials and woods



ORDER INFORMATION


Door position		Damper	Spring	Material	Click-on		
					Screw-on		
-		■	■	Zamak/Steel	F028140419		

COVER CAPS

	Designation	Personalisation (logo)	Colour	Suitable for cranking	Art. no.
	Hinge arm; Standard; Steel; Left or right; Without Logo	Stamping	Night	0/3/9,5/14/19	F072140519
	Hinge arm; With integrated clip protection; ABS; Left or right; Without Logo	Digital printing	Black	0/3/9,5/14/19	F072140504
	Hinge cup; Standard; Steel; Left or right; Without Logo		Night		F072140520

ACCESSORIES

	Designation	Art. no.
	Tiomos Opening angle limiter, 85°	F072135751
	Countersunk head wood screw, Night, 3,5 x 15 mm	F072135961

	Designation	Art. no.
	Clip-off protection	F072135807

PAGE REFERENCES

Tiomos mounting plates	76	Tipmatic	160		
Accessories	86	Assembly technology	193		
Technical information	90	Assembly aids	198		

PLANNING INFORMATION

All dimensions in millimetres

Overlay

Cross mounting plates with mounting distance 37

Linear mounting plate

Drilling clearance (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 clearance (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

Door thickness	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

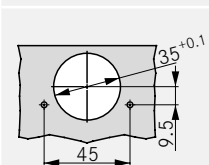
Minimum gap

NOTICE

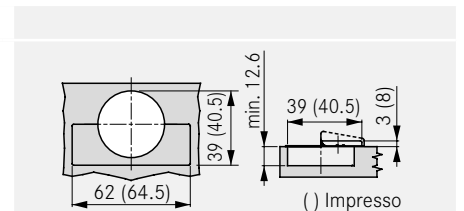
The minimum gap is the clearance required between the front edge of the cabinet and the closed door so that the door can be opened without hindrance.

DRILLING PATTERNS

For screw fitting



CUP DIMENSIONS



TIOMOS 110/90E

110° blind corner hinge (inset)



- Hinge for inset blind corner constructions
- 110° opening angle
- With convenient depth adjustment via worm screw
- 3-dimensional adjustment with corresponding mounting plate
- Minimum reveals

ORDER INFORMATION

Door position		Damper	Spring	Material	Click-on		Impresso
					Press-fit	Screw-on	Toolless
Inset		■	■	Zamak/Steel	F028138546	F028138536	F017139427
		-	■	Zamak/Steel	F045138484	F045138474	F034139398
		-	-	Zamak/Steel		F046138596¹	

¹Additionally Tipmatic Pin required

COVER CAPS

	Designation	Personalisation (logo)	Colour	Suitable for cranking	Art. no.
	Hinge arm; Standard; Steel; Left or right; Without Logo	Digital printing, Stamping	Nickel	0/3/9,5/14/19	F072135500
	Hinge arm; Standard; Steel; Right; With GRASS Logo	Stamping	Nickel	0/3/9,5/14/19	F072135550
	Hinge arm; Standard; Steel; Left; With GRASS Logo	Stamping	Nickel	0/3/9,5/14/19	F072135551
	Hinge arm; With integrated clip protection; ABS; Left or right; Without Logo	Digital printing	Black	0/3/9,5/14/19	F072140504
	Hinge cup; Standard; Steel; Left or right; Without Logo		Nickel		F072135503

ACCESSORIES

	Designation	Art. no.
	Tipmatic pin, short, Light grey	F069149392
	Tipmatic pin, long, Light grey	F069149389

	Designation	Art. no.
	Tiomos Opening angle limiter, 85°	F072135751
	Clip-off protection	F072135807

PAGE REFERENCES

Tiomos mounting plates	76	Tipmatic	160		
Accessories	86	Assembly technology	193		
Technical information	90	Assembly aids	198		

PLANNING INFORMATION

All dimensions in millimetres

Inset

Cross mounting plates with mounting distance 37

Linear mounting plate

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

Mounting plate height 3

Door reveal

Drilling clearance (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

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)				

NOTICE

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

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

DRILLING PATTERNS

For screw fitting

For press fitting

Impresso combination drilling pattern

CUP DIMENSIONS

() Impresso

TIOMOS NIGHT 110/90E

110° blind corner hinge (inset)



- Hinge for inset blind corner constructions
- 110° opening angle
- With convenient depth adjustment via worm screw
- 3-dimensional adjustment with corresponding mounting plate
- Minimum reveals
- Especially for dark cabinet materials and woods

ORDER INFORMATION

Door position		Damper	Spring	Material	Click-on		
					Screw-on		
Inset		■	■	Zamak/Steel	F028140961		

COVER CAPS

	Designation	Personalisation (logo)	Colour	Suitable for cranking	Art. no.
	Hinge arm; Standard; Steel; Left or right; Without Logo	Stamping	Night	0/3/9,5/14/19	F072140519
	Hinge arm; With integrated clip protection; ABS; Left or right; Without Logo	Digital printing	Black	0/3/9,5/14/19	F072140504
	Hinge cup; Standard; Steel; Left or right; Without Logo		Night		F072140520

ACCESSORIES

	Designation	Art. no.
	Tiomos Opening angle limiter, 85°	F072135751
	Countersunk head wood screw, Night, 3.5 x 15 mm	F072135961

	Designation	Art. no.
	Clip-off protection	F072135807

PAGE REFERENCES

Tiomos mounting plates	76	Tipmatic	160		
Accessories	86	Assembly technology	193		
Technical information	90	Assembly aids	198		

PLANNING INFORMATION

All dimensions in millimetres

Inset

Cross mounting plates with mounting distance 37

Linear mounting plate

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

Mounting plate height 3

Door reveal

Drilling clearance (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

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)					

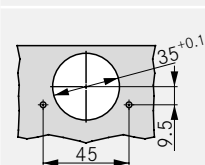
NOTICE

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

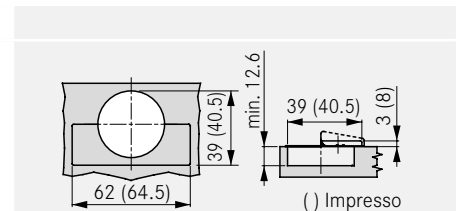
Use standard mounting plate height 3 to ensure that the door and blind corner surface are flush.

DRILLING PATTERNS

For screw fitting



CUP DIMENSIONS



TIOMOS 110/30A

+30° 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

ORDER INFORMATION

Door position		Damper	Spring	Material	Click-on		
					Screw-on		
Overlay		■	■	Zamak/Steel	F028138529		
		-	■	Zamak/Steel	F045138467		
		-	-	Zamak/Steel	F046138589¹		

¹Additionally Tipmatic Pin required

COVER CAPS

	Designation	Personalisation (logo)	Colour	Suitable for cranking	Art. no.
	Hinge arm; Standard; Steel; Left or right; Without Logo	Digital printing, Stamping	Nickel	0/3/9,5/14/19	F072135500
	Hinge arm; Standard; Steel; Right; With GRASS Logo	Stamping	Nickel	0/3/9,5/14/19	F072135550
	Hinge arm; Standard; Steel; Left; With GRASS Logo	Stamping	Nickel	0/3/9,5/14/19	F072135551
	Hinge arm; With integrated clip protection; ABS; Left or right; Without Logo	Digital printing	Black	0/3/9,5/14/19	F072140504
	Hinge cup; Standard; Steel; Left or right; Without Logo		Nickel		F072135503

ACCESSORIES

	Designation	Art. no.
	Tipmatic pin, short, Light grey	F069149392
	Tipmatic pin, long, Light grey	F069149389

	Designation	Art. no.
	Clip-off protection	F072135807

PAGE REFERENCES

Tiomos mounting plates	76	Tipmatic	160		
Accessories	86	Assembly technology	193		
Technical information	90	Assembly aids	198		

PLANNING INFORMATION

All dimensions in millimetres

Overlay

Mounting plate height 0 Mounting plate height 6 Mounting plate height 9

Door overlay	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				3.5
16.0			2	3	
15.5				3.5	
15.0		2	3		
14.5			3.5		
14.0	2	3			
13.5		3.5			
13.0	3				
12.5	3.5			6	
11.5			6		
10.5		6			

Mounting plate height

Cross mounting plates with mounting distance 37 Linear mounting plate

X	Mounting plate height				
	0	2	3	3.5	6
X	34.0	33.0	32.0	32.0	30.5

Cross mounting plate position (X)

X	Mounting plate height			
	0	2	3	3.5
X	17.0	16.0	15.0	15.0

Linear mounting plate position (X)

MINIMUM GAP

MINIMUM REVEAL

NOTICE

Door thickness	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	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)

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.

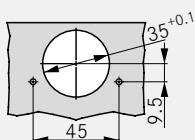
Minimum reveal for doors with chamfered edges (R = 1 mm) with factory setting.

Hinge dimensions and reveal calculation with factory setting.

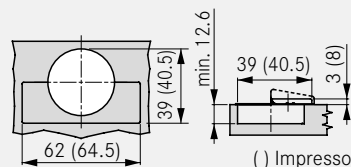
A trial fitting is recommended for door thicknesses from 24 mm.

DRILLING PATTERNS

For screw fitting



CUP DIMENSIONS




TIOMOS 110/30E

+30° corner cabinet hinge (inset)



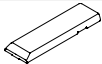

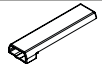

- For 30° angled cabinets
- 110° opening angle
- With convenient depth adjustment via worm screw
- 3-dimensional adjustment with corresponding mounting plate
- Minimum reveals

ORDER INFORMATION


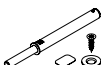
Door position		Damper	Spring	Material	Click-on		
					Screw-on		
Inset		■	■	Zamak/Steel	F028 138530		
		-	■	Zamak/Steel	F045 138468		
		-	-	Zamak/Steel	F046 138590¹		


¹Additionally Tipmatic Pin required

COVER CAPS

	Designation	Personalisation (logo)	Colour	Suitable for cranking	Art. no.
	Hinge arm; Standard; Steel; Left or right; Without Logo	Digital printing, Stamping	Nickel	0/3/9,5/14/19	F072 135500
	Hinge arm; Standard; Steel; Right; With GRASS Logo	Stamping	Nickel	0/3/9,5/14/19	F072 135550
	Hinge arm; Standard; Steel; Left; With GRASS Logo	Stamping	Nickel	0/3/9,5/14/19	F072 135551
	Hinge arm; With integrated clip protection; ABS; Left or right; Without Logo	Digital printing	Black	0/3/9,5/14/19	F072 140504
	Hinge cup; Standard; Steel; Left or right; Without Logo		Nickel		F072 135503

ACCESSORIES

	Designation	Art. no.
	Tipmatic pin, short, Light grey	F069 149392
	Tipmatic pin, long, Light grey	F069 149389

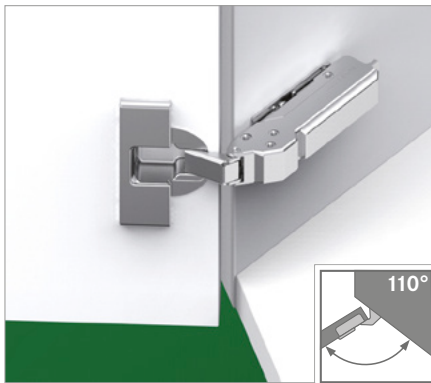
	Designation	Art. no.
	Clip-off protection	F072 135807

PAGE REFERENCES

Tiomos mounting plates	76	Tipmatic	160		
Accessories	86	Assembly technology	193		
Technical information	90	Assembly aids	198		

TIOMOS 110/37A

+37° 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

ORDER INFORMATION

Door position		Damper	Spring	Material	Click-on		
					Screw-on		
Overlay		■	■	Zamak/Steel	F028138531		

COVER CAPS

	Designation	Personalisation (logo)	Colour	Suitable for cranking	Art. no.
	Hinge arm; Standard; Steel; Left or right; Without Logo	Digital printing, Stamping	Nickel	0/3/9,5/14/19	F072135500
	Hinge arm; Standard; Steel; Right; With GRASS Logo	Stamping	Nickel	0/3/9,5/14/19	F072135550
	Hinge arm; Standard; Steel; Left; With GRASS Logo	Stamping	Nickel	0/3/9,5/14/19	F072135551
	Hinge arm; With integrated clip protection; ABS; Left or right; Without Logo	Digital printing	Black	0/3/9,5/14/19	F072140504
	Hinge cup; Standard; Steel; Left or right; Without Logo		Nickel		F072135503

ACCESSORIES

	Designation	Art. no.		Designation	Art. no.
	Clip-off protection	F072135807			

PAGE REFERENCES

Tiomos mounting plates	76	Tipmatic	160		
Accessories	86	Assembly technology	193		
Technical information	90	Assembly aids	198		

PLANNING INFORMATION

All dimensions in millimetres

Overlay

Mounting plate height 0 Mounting plate height 12 Mounting plate height 12

Door overlay	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		
15.5	2				
15.0		3			
14.5					6
14.0	3				6
13.0	3				6
12.0			6		
11.0		6			
10.0	6				

Mounting plate height

Cross mounting plates with mounting distance 37

X	Mounting plate height				
	0	2	3	3.5	6
X	33.5	32.0	31.0	31.0	29.0

Cross mounting plate position (X)

Linear mounting plate

X	Mounting plate height			
	0	2	3	3.5
X	16.5	15.0	14.0	14.0

Linear mounting plate position (X)

MINIMUM GAP

MINIMUM REVEAL

NOTICE

Door thickness	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	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

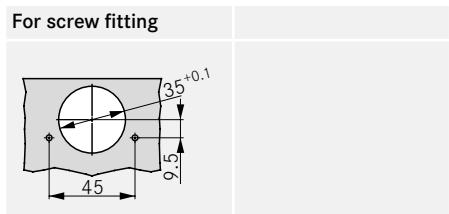
Minimum reveal (F)

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.

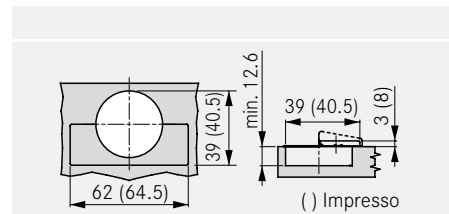
Minimum reveal for doors with chamfered edges (R = 1 mm) with factory setting.

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

DRILLING PATTERNS



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


ORDER INFORMATION

Door position		Damper	Spring	Material	Click-on		
					Screw-on		
Inset		■	■	Zamak/Steel	F028138532		

COVER CAPS

	Designation	Personalisation (logo)	Colour	Suitable for cranking	Art. no.
	Hinge arm; Standard; Steel; Left or right; Without Logo	Digital printing, Stamping	Nickel	0/3/9,5/14/19	F072135500
	Hinge arm; Standard; Steel; Right; With GRASS Logo	Stamping	Nickel	0/3/9,5/14/19	F072135550
	Hinge arm; Standard; Steel; Left; With GRASS Logo	Stamping	Nickel	0/3/9,5/14/19	F072135551
	Hinge arm; With integrated clip protection; ABS; Left or right; Without Logo	Digital printing	Black	0/3/9,5/14/19	F072140504
	Hinge cup; Standard; Steel; Left or right; Without Logo		Nickel		F072135503

ACCESSORIES

	Designation	Art. no.		Designation	Art. no.
	Clip-off protection	F072135807			

PAGE REFERENCES

Tiomos mounting plates	76	Tipmatic	160		
Accessories	86	Assembly technology	193		
Technical information	90	Assembly aids	198		

TIOMOS 110/45A

+45° 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

ORDER INFORMATION

Door position		Damper	Spring	Material	Click-on		
					Screw-on		
Overlay		■	■	Zamak/Steel	F028 138533		
		-	■	Zamak/Steel	F045 138471		
		-	-	Zamak/Steel	F046 138593¹		

¹Additionally Tipmatic Pin required

COVER CAPS

	Designation	Personalisation (logo)	Colour	Suitable for cranking	Art. no.
	Hinge arm; Standard; Steel; Left or right; Without Logo	Digital printing, Stamping	Nickel	0/3/9,5/14/19	F072 135500
	Hinge arm; Standard; Steel; Right; With GRASS Logo	Stamping	Nickel	0/3/9,5/14/19	F072 135550
	Hinge arm; Standard; Steel; Left; With GRASS Logo	Stamping	Nickel	0/3/9,5/14/19	F072 135551
	Hinge arm; With integrated clip protection; ABS; Left or right; Without Logo	Digital printing	Black	0/3/9,5/14/19	F072 140504
	Hinge cup; Standard; Steel; Left or right; Without Logo		Nickel		F072 135503

ACCESSORIES

	Designation	Art. no.
	Tipmatic pin, short, Light grey	F069 149392
	Tipmatic pin, long, Light grey	F069 149389

	Designation	Art. no.
	Clip-off protection	F072 135807

PAGE REFERENCES

Tiomos mounting plates	76	Tipmatic	160		
Accessories	86	Assembly technology	193		
Technical information	90	Assembly aids	198		

PLANNING INFORMATION

All dimensions in millimetres

Overlay

Mounting plate height 0 Mounting plate height 8 Mounting plate height 12

Door overlay	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					
15.5	0			2	
15.0					3
14.5			2		3.5
14.0				3	
13.5		2		3.5	
13.0			3		
12.5	2		3.5		
12.0		3			
11.0	3				6
10.0				6	

Mounting plate height

Cross mounting plates with mounting distance 37

X	Mounting plate height				
	0	2	3	3.5	6
30.5	28.5	27.5	27.0	24.5	

Cross mounting plate position (X)

Linear mounting plate

X	Mounting plate height			
	0	2	3	3.5
13.5	11.5	10.5	10.0	

Linear mounting plate position (X)

MINIMUM GAP

Door thickness	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

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)

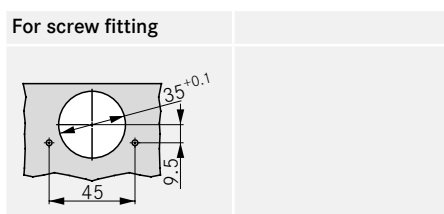
NOTICE

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.

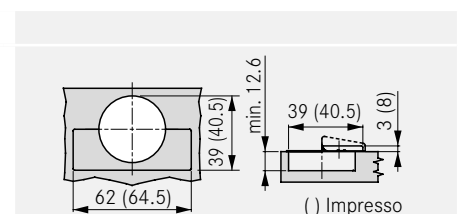
Minimum reveal for doors with chamfered edges (R = 1 mm) with factory setting.

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

DRILLING PATTERNS



CUP DIMENSIONS




TIOMOS 110/45E

+45° corner cabinet hinge (inset)

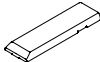


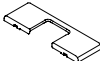


- For 45° angled cabinets
- 110° opening angle
- With convenient depth adjustment via worm screw
- 3-dimensional adjustment with corresponding mounting plate
- Minimum reveals


ORDER INFORMATION

Door position		Damper	Spring	Material	Click-on		
					Screw-on		
Inset		■	■	Zamak/Steel	F028 138534		
		-	■	Zamak/Steel	F045 138472		

COVER CAPS

	Designation	Personalisation (logo)	Colour	Suitable for cranking	Art. no.
	Hinge arm; Standard; Steel; Left or right; Without Logo	Digital printing, Stamping	Nickel	0/3/9,5/14/19	F072 135500
	Hinge arm; Standard; Steel; Right; With GRASS Logo	Stamping	Nickel	0/3/9,5/14/19	F072 135550
	Hinge arm; Standard; Steel; Left; With GRASS Logo	Stamping	Nickel	0/3/9,5/14/19	F072 135551
	Hinge arm; With integrated clip protection; ABS; Left or right; Without Logo	Digital printing	Black	0/3/9,5/14/19	F072 140504
	Hinge cup; Standard; Steel; Left or right; Without Logo		Nickel		F072 135503

ACCESSORIES

	Designation	Art. no.		Designation	Art. no.
	Clip-off protection	F072 135807			

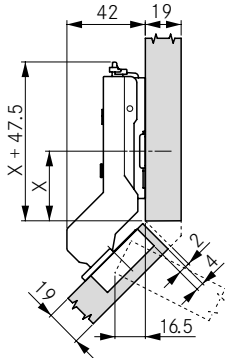
PAGE REFERENCES

Tiomos mounting plates	76	Tipmatic	160		
Accessories	86	Assembly technology	193		
Technical information	90	Assembly aids	198		

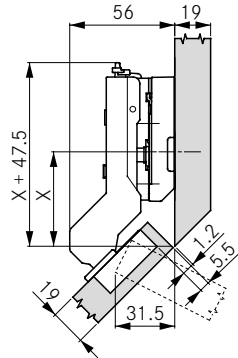
PLANNING INFORMATION

All dimensions in millimetres

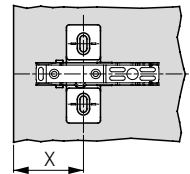
Inset



Mounting plate height 0



Mounting plate height 14



Cross mounting plates with mounting distance 37

		Cup distance				
		3	4	5	6	7
Door reveal	1			0		
	2		0			2
	3	0			2	3
	4			2	3	3.5
	5		2	3	3.5	
	6	2	3	3.5		
	7	3	3.5			
	8	3.5				

Mounting plate height

		Mounting plate height				
		0	2	3	3.5	
		37	35	34	33.5	

Cross mounting plate position (X)

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

		Cup distance				
		3	4	5	6	7
Door thickness	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)

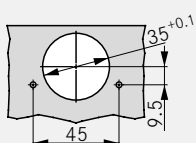
NOTICE

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

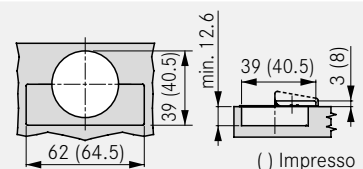
A trial fitting is recommended for door thicknesses from 24 mm

DRILLING PATTERNS

For screw fitting

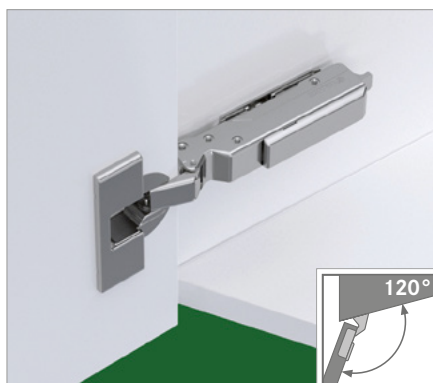


CUP DIMENSIONS



TIOMOS 120/-15A

-15° 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

ORDER INFORMATION

Door position		Damper	Spring	Material	Click-on		
					Screw-on		
Overlay		■	■	Zamak/Steel	F028138555		
		-	■	Zamak/Steel	F045138493		

COVER CAPS

	Designation	Personalisation (logo)	Colour	Suitable for cranking	Art. no.
	Hinge arm; Standard; Steel; Left or right; Without Logo	Digital printing, Stamping	Nickel	0/3/9,5/14/19	F072135500
	Hinge arm; Standard; Steel; Right; With GRASS Logo	Stamping	Nickel	0/3/9,5/14/19	F072135550
	Hinge arm; Standard; Steel; Left; With GRASS Logo	Stamping	Nickel	0/3/9,5/14/19	F072135551
	Hinge arm; With integrated clip protection; ABS; Left or right; Without Logo	Digital printing	Black	0/3/9,5/14/19	F072140504
	Hinge cup; Standard; Steel; Left or right; Without Logo		Nickel		F072135503

ACCESSORIES

	Designation	Art. no.		Designation	Art. no.
	Clip-off protection	F072135807			

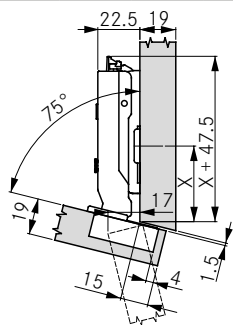
PAGE REFERENCES

Tiomos mounting plates	76	Assembly technology	193		
Accessories	86	Assembly aids	198		
Technical information	90				

PLANNING INFORMATION

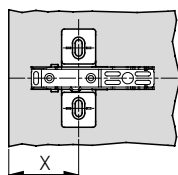
All dimensions in millimetres

Overlay

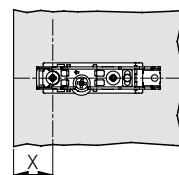


Mounting plate height 0

	Cup distance				
	3	4	5	6	7
18.0				0	0
17.0				0	
16.0			0		
15.0		0			
14.5				2	3
14.0	0				3.5
13.5			2	3	
13.0				3.5	
12.5		2	3		
12.0			3.5		
11.5		3			6
11.0		3.5			
10.5	3			6	
10.0	3.5				
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	3.5	6
X	40	40.5	40.5	41	41.5
	Cross mounting plate position (X)				

	Mounting plate height			
	0	2	3	3.5
X	23	23.5	23.5	24
	Cross 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)				

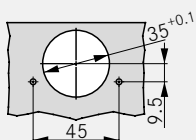
NOTICE

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

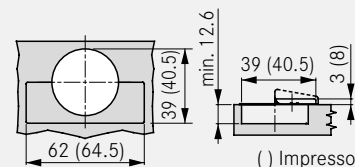
We recommend a trial fitting.

DRILLING PATTERNS

For screw fitting



CUP DIMENSIONS



TIOMOS 120/-30A

-30° 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

ORDER INFORMATION

Door position		Damper	Spring	Material	Click-on		
					Screw-on		
Overlay		■	■	Zamak/Steel	F028138556		
		-	■	Zamak/Steel	F045138494		

COVER CAPS

	Designation	Personalisation (logo)	Colour	Suitable for cranking	Art. no.
	Hinge arm; Standard; Steel; Left or right; Without Logo	Digital printing, Stamping	Nickel	0/3/9,5/14/19	F072135500
	Hinge arm; Standard; Steel; Right; With GRASS Logo	Stamping	Nickel	0/3/9,5/14/19	F072135550
	Hinge arm; Standard; Steel; Left; With GRASS Logo	Stamping	Nickel	0/3/9,5/14/19	F072135551
	Hinge arm; With integrated clip protection; ABS; Left or right; Without Logo	Digital printing	Black	0/3/9,5/14/19	F072140504
	Hinge cup; Standard; Steel; Left or right; Without Logo		Nickel		F072135503

ACCESSORIES

	Designation	Art. no.		Designation	Art. no.
	Clip-off protection	F072135807			

PAGE REFERENCES

Tiomos mounting plates	76	Assembly technology	193		
Accessories	86	Assembly aids	198		
Technical information	90				

PLANNING INFORMATION

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		3.5
	14.0				3	
	13.5		2		3.5	
	13.0			3		
	12.5	2		3.5		
	12.0		3			6
	11.5		3.5			
	11.0	3			6	
Door overlay	10.5	3.5				
	10.0			6		
	9.0		6			
	8.0	6				
		Mounting plate height				

Cross mounting plates with mounting distance 37

Linear mounting plates

		Mounting plate height				
		0	2	3	3.5	6
X		53.5	55	55.5	55.5	57
		Cross mounting plate position (X)				

		Mounting plate height				
		0	2	3	3.5	
X		36.5	38	38.5	38.5	
		Linear mounting plate position (X)				

MINIMUM REVEAL

		Cup distance				
		3	4	5	6	7
Door thickness	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)				

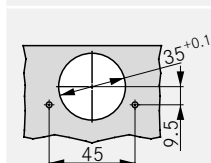
NOTICE

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

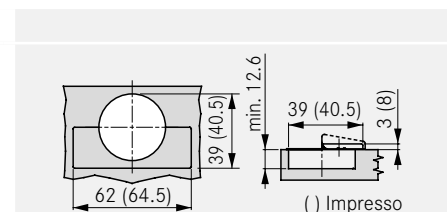
We recommend a trial fitting.

DRILLING PATTERNS

For screw fitting



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

ORDER INFORMATION

Door position		Damper	Spring	Material	Click-on		
					Screw-on		
Overlay		■	■	Zamak/Steel	F028 138557		
		-	■	Zamak/Steel	F045 138495		

COVER CAPS

	Designation	Personalisation (logo)	Colour	Suitable for cranking	Art. no.
	Hinge arm; Standard; Steel; Left or right; Without Logo	Digital printing, Stamping	Nickel	0/3/9,5/14/19	F072 135500
	Hinge arm; Standard; Steel; Right; With GRASS Logo	Stamping	Nickel	0/3/9,5/14/19	F072 135550
	Hinge arm; Standard; Steel; Left; With GRASS Logo	Stamping	Nickel	0/3/9,5/14/19	F072 135551
	Hinge arm; With integrated clip protection; ABS; Left or right; Without Logo	Digital printing	Black	0/3/9,5/14/19	F072 140504
	Hinge cup; Standard; Steel; Left or right; Without Logo		Nickel		F072 135503

ACCESSORIES

	Designation	Art. no.		Designation	Art. no.
	Clip-off protection	F072 135807			

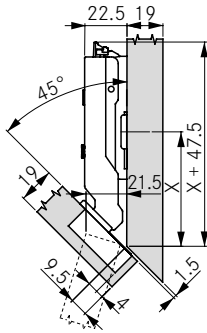
PAGE REFERENCES

Tiomos mounting plates	76	Assembly technology	193		
Accessories	86	Assembly aids	198		
Technical information	90				

PLANNING INFORMATION

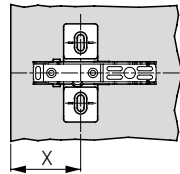
All dimensions in millimetres

Overlay



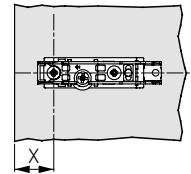
Mounting plate height 0

	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		3.5
7.0				3	
6.5		2		3.5	
6.0			3		
5.5	2		3.5		
5.0		3			
4.5		3.5			
4.0	3				6
3.5	3.5				
3.0				6	
2.0			6		
1.0		6			
0.0	6				
Door overlay					
Mounting plate height					



Cross mounting plates with mounting distance 37

	Mounting plate height				
	0	2	3	3.5	6
X	60.5	62.5	63.5	64	66.5
Cross mounting plate position (X)					



Linear mounting plates

	Mounting plate height			
	0	2	3	3.5
X	43.5	45.5	46.5	47
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
Door thickness					
Minimum reveal (F)					

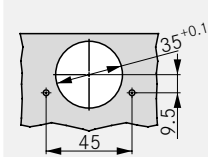
NOTICE

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

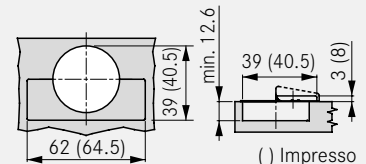
We recommend a trial fitting.

DRILLING PATTERNS

For screw fitting

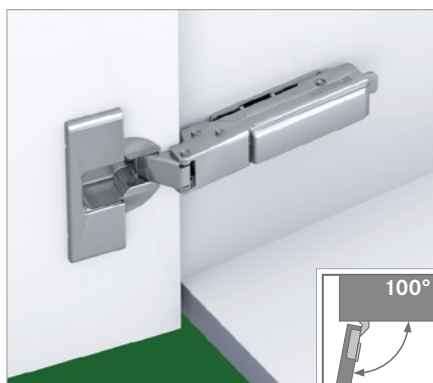


CUP DIMENSIONS




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


ORDER INFORMATION

Door position		Crank	Damper	Spring	Material	Click-on		
						Press-fit	Screw-on	
Overlay		3	-	■	Zamak/Steel	F045139052	F045139071	

COVER CAPS

	Designation	Personalisation (logo)	Colour	Suitable for cranking	Art. no.
	Hinge arm; Standard; Steel; Left or right; Without Logo	Digital printing, Stamping	Nickel	0/3/9,5/14/19	F072135500
	Hinge arm; Standard; Steel; Right; With GRASS Logo	Stamping	Nickel	0/3/9,5/14/19	F072135550
	Hinge arm; Standard; Steel; Left; With GRASS Logo	Stamping	Nickel	0/3/9,5/14/19	F072135551
	Hinge cup; Standard; Steel; Left or right; Without Logo		Nickel		F072135503

ACCESSORIES

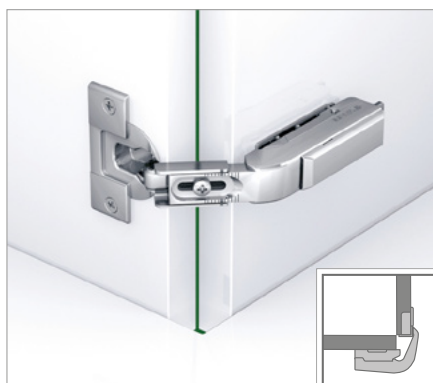
	Designation	Art. no.		Designation	Art. no.
	Clip-off protection	F072135807			

PAGE REFERENCES

Tiomos mounting plates	76	Assembly technology	193		
Accessories	86	Assembly aids	198		
Technical information	90				


TIOMOS PCC

Pie-cut corner hinge

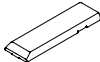


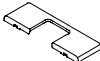


- For connecting two corner cabinet doors
- For door thicknesses up to 24 mm (factory setting for 19 mm door thickness with cup distance 3.5 mm)
- 35 mm full cup drill hole
- Shallow cup depth of 11.8 mm
- 3-dimensional adjustment with corresponding mounting plate
- Without integrated damper


ORDER INFORMATION

Door position		Damper	Spring	Material	Click-on		
					Press-fit	Screw-on	
-		-	■	Zamak/Steel	F045138518	F045138517	

COVER CAPS

	Designation	Personalisation (logo)	Colour	Suitable for cranking	Art. no.
	Hinge arm; Standard; Steel; Left or right; Without Logo	Digital printing, Stamping	Nickel	0/3/9,5/14/19	F072135500
	Hinge arm; Standard; Steel; Right; With GRASS Logo	Stamping	Nickel	0/3/9,5/14/19	F072135550
	Hinge arm; Standard; Steel; Left; With GRASS Logo	Stamping	Nickel	0/3/9,5/14/19	F072135551
	Hinge arm; With integrated clip protection; ABS; Left or right; Without Logo	Digital printing	Black	0/3/9,5/14/19	F072140504
	Hinge cup; Standard; Steel; Left or right; Without Logo		Nickel		F072135503

ACCESSORIES

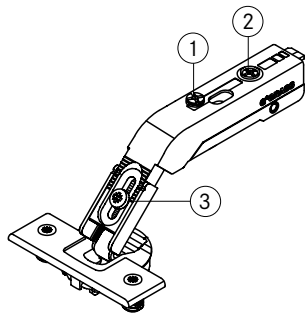
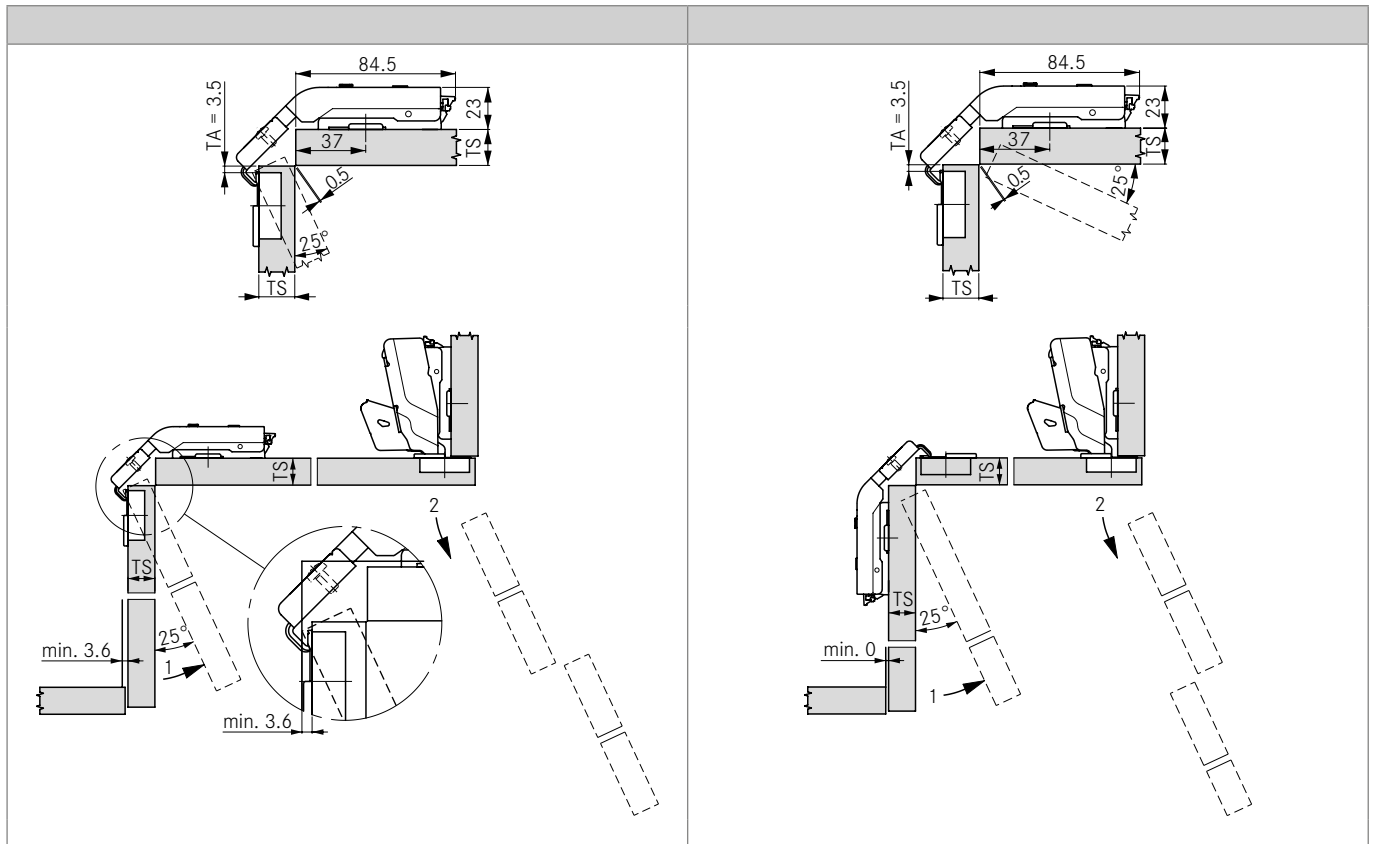
	Designation	Art. no.		Designation	Art. no.
	Clip-off protection	F072135807			

PAGE REFERENCES

Tiomos mounting plates	76	Assembly technology	193		
Accessories	86	Assembly aids	198		
Technical information	90				

PLANNING INFORMATION

All dimensions in millimetres



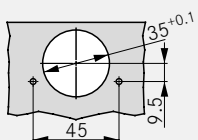
Adjustment in the hinge arm:

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

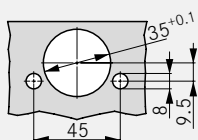
Height adjustment via mounting plate

DRILLING PATTERNS

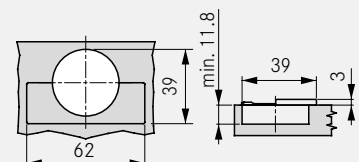
For screw fitting



For press fitting



CUP DIMENSIONS



Firm and stable 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 the Soft-close damping system.



reddot design award
honourable mention 2010

THREE VERSATILE HINGES FOR EVEN THE MOST DEMANDING DOOR APPLICATIONS.

DISCOVER.




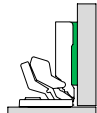
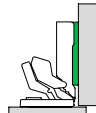
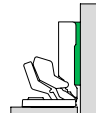

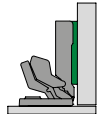
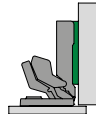
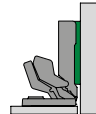

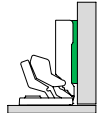
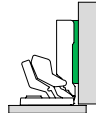
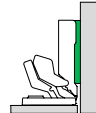

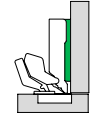
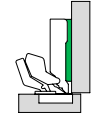
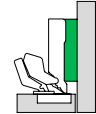

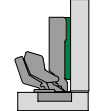
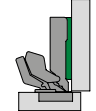
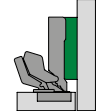
QUALITÄTS-ZERTIFIKAT
LGAI



Tiomos M series

Hinge systems

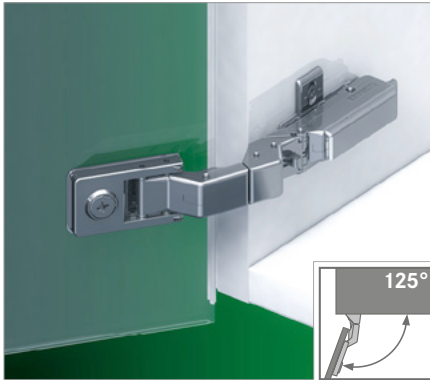
The comfortable hinge generation for greater freedom in design.
For mirror doors, glass doors, thin doors and much more.

Opening angle		Description	Full overlay	Half overlay	Inset	Page
125°		Tiomos Mirro <ul style="list-style-type: none"> • Glass and mirror door hinge for glue fitting • Worm screw for convenient depth adjustment 				62
125°		Tiomos Night Mirro <ul style="list-style-type: none"> • Glass and mirror door hinge for glue fitting • Worm screw for convenient depth adjustment 				64
125°		Tiomos M0 <ul style="list-style-type: none"> • For four-sided mitred applications, thin doors and rebated doors • Worm screw for convenient depth adjustment 				68
110°		Tiomos M9 <ul style="list-style-type: none"> • For four-sided mitred applications, thin doors and rebated doors • Worm screw for convenient depth adjustment 				70
110°		Tiomos Night M9 <ul style="list-style-type: none"> • For four-sided mitred applications, thin doors and rebated doors • Worm screw for convenient depth adjustment 				72

Tiomos mounting plates	76
Accessories	86
Technical information	90

TIOMOS MIRRO

125° mirror/clear glass hinge



- 125° opening angle
- Attachment by gluing a stainless steel adapter onto the door side for mirrors or a zamak adapter for clear glass
- Connection of hinge to adapter via cam
- Quick final assembly without drilling into glass
- High overlay up to 19 mm
- 3-dimensional adjustment with corresponding mounting plate

ORDER INFORMATION

Door position		Crank	Damper	Spring	Material	Click-on		
						Screw-on		
Overlay		14	■	■	Zamak	F029140325		
Half overlay		14	-	■	Zamak	F047140326		
Inset		14	-	-	Zamak	F049140327¹		

¹Additionally Tipmatic Pin required

COVER CAPS

	Designation	Personalisation (logo)	Colour	Suitable for cranking	Art. no.
	Hinge arm; Standard; Steel; Left or right; Without Logo	Digital printing, Stamping	Nickel	0/3/9,5/14/19	F072135500
	Hinge arm; Standard; Steel; Right; With GRASS Logo	Stamping	Nickel	0/3/9,5/14/19	F072135550
	Hinge arm; Standard; Steel; Left; With GRASS Logo	Stamping	Nickel	0/3/9,5/14/19	F072135551
	Hinge arm; With integrated clip protection; ABS; Left or right; Without Logo	Digital printing	Black	0/3/9,5/14/19	F072140504

ACCESSORIES

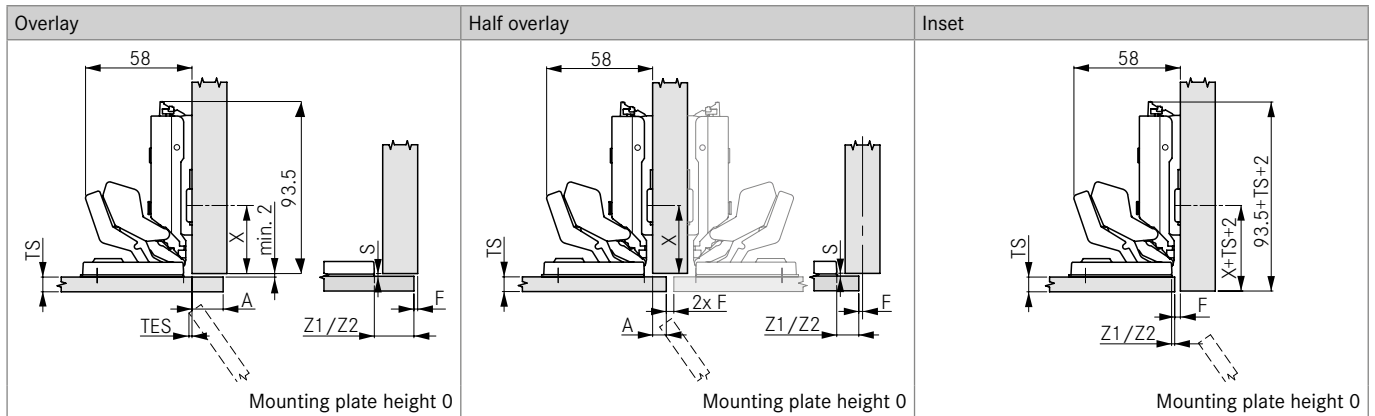
	Designation	Art. no.		Designation	Art. no.
	Tipmatic pin, short, Light grey	F069149392		Tiomos Mirro Zamak adapter for mirrors and clear glass	F072135868
	Tipmatic pin, long, Light grey	F069149389		Tiomos +5° wedge	F072135757
	Tiomos Opening angle limiter, 85°	F072135871		Tiomos -5° wedge	F072135758
	Tiomos/Nexis Mirro Stainless steel adapter for mirrors	F069073731			

PAGE REFERENCES

Tiomos mounting plates	76	Tipmatic	160		
Accessories	86	Assembly technology	193		
Technical information	90	Assembly aids	198		

PLANNING INFORMATION

All dimensions in millimetres



MINIMUM GAP/MINIMUM REVEAL

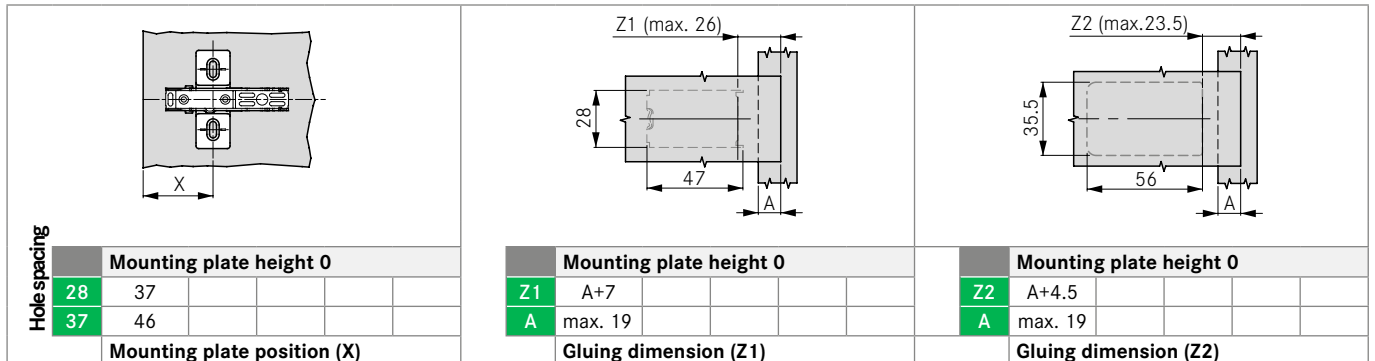
Values with Mounting plate height 0

Gluing dimension stainless steel (Z1)	4	5	13	15	17	19	21	22	24	26
Gluing dimension Zamak (Z2)	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 width (F)/ Gap width (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

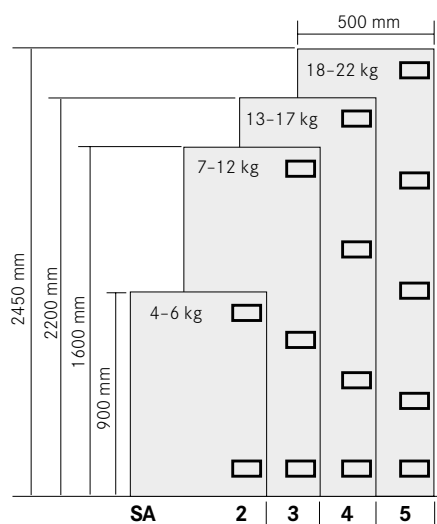
ECO CROSS MOUNTING PLATE

STAINLESS STEEL ADAPTER

ZAMAK ADAPTER



NUMBER OF HINGES



NOTICE

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

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

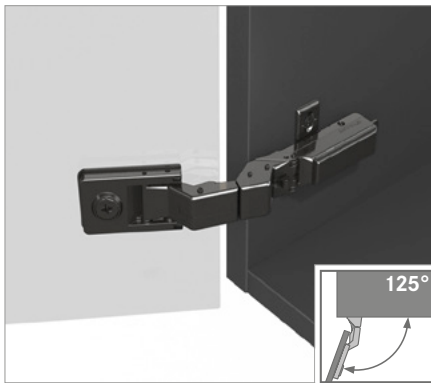
ⓘ **Important:** For mirror or glass doors, all reveals must be at least 1.5 mm (otherwise there is a risk of breakage). The inside edge of the door must not touch the cabinet when opened.

ⓘ **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.

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

TIOMOS NIGHT MIRRO

125° mirror/clear glass hinge



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

ORDER INFORMATION

Door position		Crank	Damper	Spring	Material	Click-on		
						Screw-on		
Overlay		14	■	■	Zamak	F029 140468		
Half overlay		14	-	-	Zamak	F049 140470¹		
Inset								

¹Additionally Tipmatic Pin required

COVER CAPS

	Designation	Personalisation (logo)	Colour	Suitable for cranking	Art. no.
	Hinge arm; Standard; Steel; Left or right; Without Logo	Stamping	Night	0/3/9,5/14/19	F072 140519

ACCESSORIES

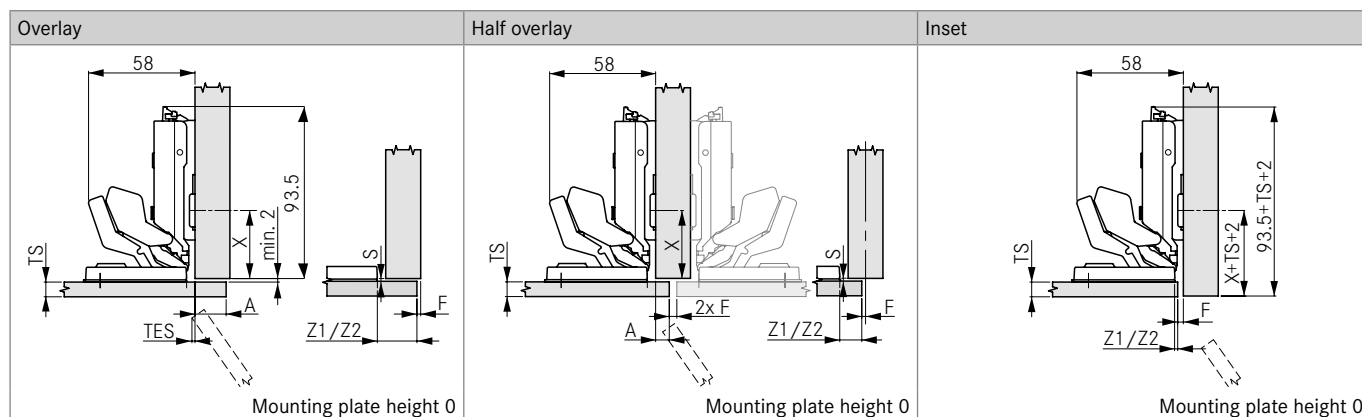
	Designation	Art. no.		Designation	Art. no.
	Tipmatic pin, short, Black	F069 149391		Tiomos Mirro Zamak adapter for mirrors and clear glass	F072 135868
	Tipmatic pin, long, Black	F069 149388		Tiomos +5° wedge	F072 135757
	Tiomos Opening angle limiter, 85°	F072 135871		Tiomos -5° wedge	F072 135758
	Tiomos/Nexis Mirro Stainless steel adapter for mirrors	F069073731			

PAGE REFERENCES

Tiomos mounting plates	76	Tipmatic	160		
Accessories	86	Assembly technology	193		
Technical information	90	Assembly aids	198		

PLANNING INFORMATION

All dimensions in millimetres



MINIMUM GAP/MINIMUM REVEAL

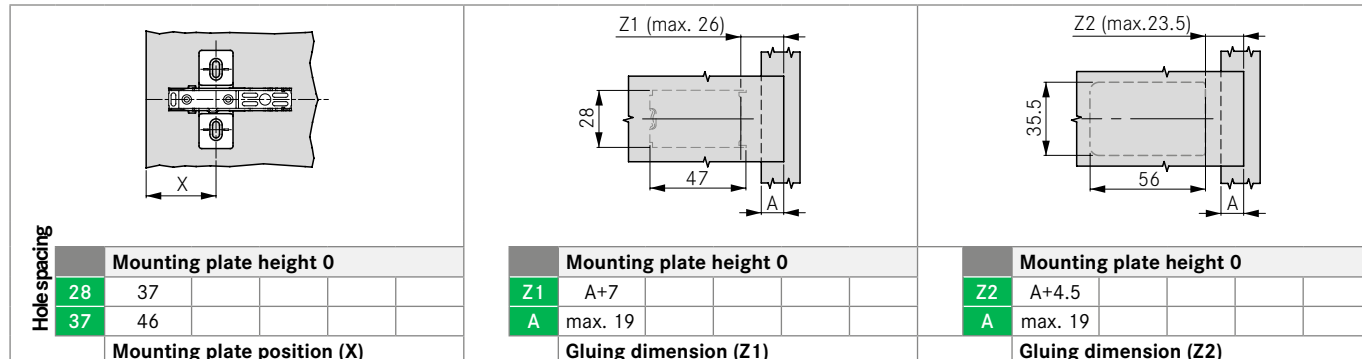
Values with Mounting plate height 0

Gluing dimension stainless steel (Z1)	4	5	13	15	17	19	21	22	24	26											
Gluing dimension Zamak (Z2)	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 width (F)/ Gap width (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	2	2	2	2	2	2	2	2	2	2	2

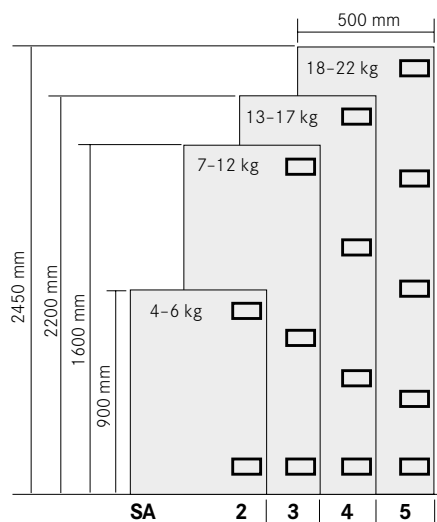
ECO CROSS MOUNTING PLATE

STAINLESS STEEL ADAPTER

ZAMAK ADAPTER



NUMBER OF HINGES



NOTICE

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

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

ⓘ **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.

ⓘ **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.

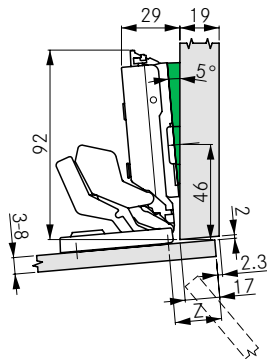
ⓘ **Liability claims:** Please note that GRASS does not assume any liability for the adhesive and the gluing technique used, nor for any resulting claims.


TIOMOS MIRRO

125° mirror/clear glass hinge

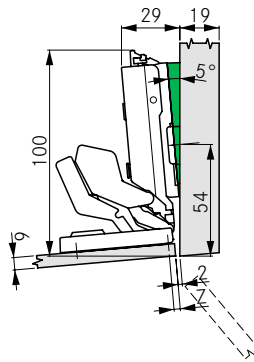
Corner applications


+5° WEDGE overlay



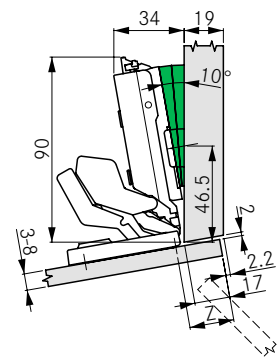
Adapter	Z	 min. 20
Stainless steel	22.5	
Zamak	20	
Height	Art. no.	
ECO cross mounting plate	0	F058139721
+5° wedge	3	F072135757


+5° WEDGE overlay



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

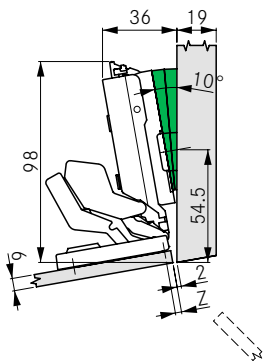
+10° WEDGE overlay




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

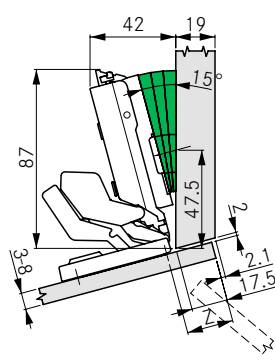
Corner applications


+10° WEDGE inset



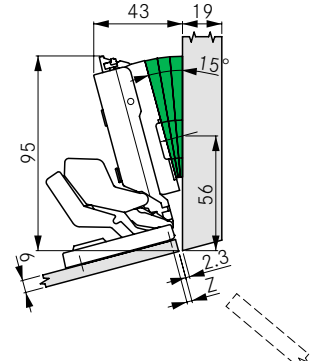
Adapter	Z	 min. 25
Stainless steel	3	
Zamak	0.5	
Height	Art. no.	
ECO cross mounting plate	0	F058139721
+5° wedge (2x)	3	F072135757


+15° WEDGE overlay



Adapter	Z	 min. 30
Stainless steel	22.5	
Zamak	0.5	
Height	Art. no.	
ECO cross mounting plate	2	F058139722
+5° wedge (3x)	3	F072135757




+15° WEDGE inset



Adapter	Z	 min. 30
Stainless steel	2.5	
Zamak	0	
Height	Art. no.	
ECO cross mounting plate	3.5	F058139724
+5° wedge (3x)	3	F072135757

PAGE REFERENCES

Tiomos mounting plates	76	Tipmatic	160
Accessories	86	Assembly technology	193
Technical information	90	Assembly aids	198

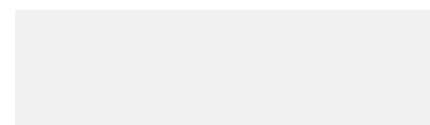
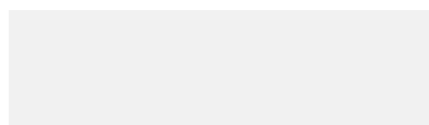
Corner applications								
-5° WEDGE overlay			-5° WEDGE inset			-10° WEDGE inset		
Adapter	Z		Adapter	Z		Adapter	Z	
Stainless steel	22.5	min. 20	Stainless steel	14	min. 20	Stainless steel	23.5	min. 25
Zamak	20		Zamak	11.5		Zamak	21	
	Height	Art. no.		Height	Art. no.		Height	Art. no.
ECO cross mounting plate	0	F058139721	ECO cross mounting plate	0	F058139721	ECO cross mounting plate	0	F058139721
-5° wedge	3	F072135758	-5° wedge	3	F072135758	-5° wedge (2x)	3	F072135758

NOTICE

A trial fitting is recommended for all door thicknesses.

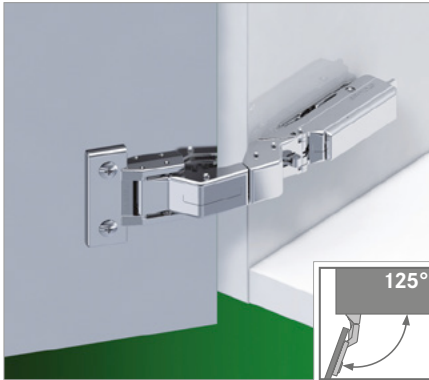
LEGEND

Z	Gluing dimension
---	------------------



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

ORDER INFORMATION

Door position	Crank	Damper	Spring	Material	Screw-on		
Full overlay	14	■	■	Zamak	F029 140331		
Half overlay	14	-	■	Zamak	F047 140332		
Inset	14	-	-	Zamak	F049 140333¹		

¹Additionally Tipmatic Pin required

COVER CAPS

	Designation	Personalisation (logo)	Colour	Suitable for cranking	Art. no.
	Hinge arm; Standard; Steel; Left or right; Without Logo	Digital printing, Stamping	Nickel	0/3/9,5/14/19	F072 135500
	Hinge arm; Standard; Steel; Right; With GRASS Logo	Stamping	Nickel	0/3/9,5/14/19	F072 135550
	Hinge arm; Standard; Steel; Left; With GRASS Logo	Stamping	Nickel	0/3/9,5/14/19	F072 135551
	Hinge arm; With integrated clip protection; ABS; Left or right; Without Logo	Digital printing	Black	0/3/9,5/14/19	F072 140504

ACCESSORIES

	Designation	Art. no.
	Tipmatic pin, short, Light grey	F069 149392
	Tipmatic pin, long, Light grey	F069 149389
	Tiomos Opening angle limiter, 85°	F072 135871

	Designation	Art. no.
	Screw set, Countersunk screws M4 x 8 mm (100x), sleeves M4 x 5.5 mm (100x), Allen key (1x)	F072 135928
	Tiomos +5° wedge	F072 135757
	Tiomos -5° wedge	F072 135758

ATTACHMENT OPTIONS

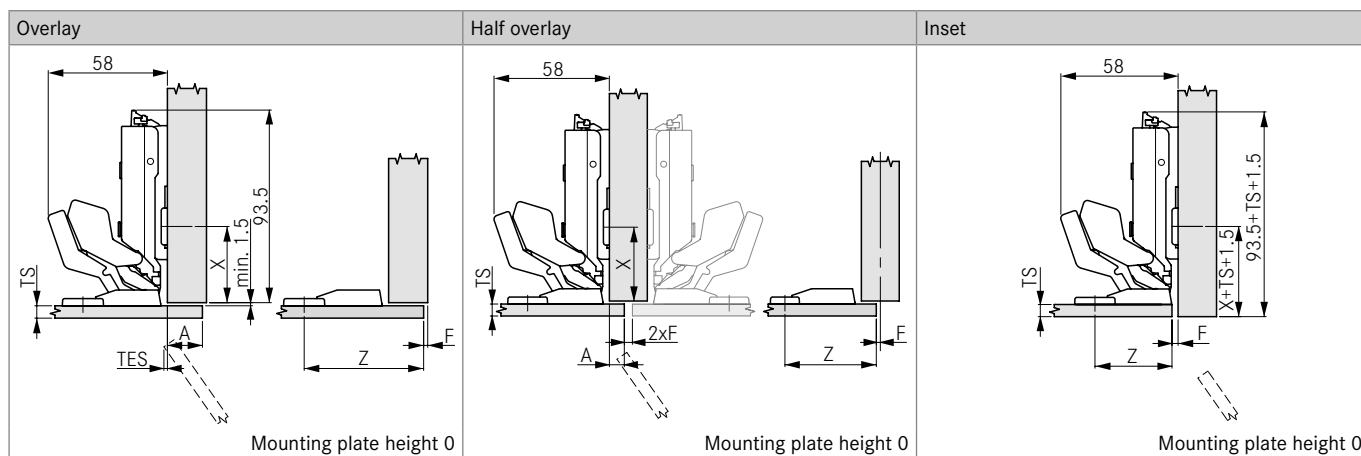
	Material thickness	Material					Aluminium
		MDF	Chipboard	HPL		Mineral composite	
	6 mm	-	-	-	-	-	F072 135947
	6.4 mm	-	-	-	-	-	
	8 mm	F146073979	F146073979	F146073979	F072 135928	F072 135928	
	10 mm						

PAGE REFERENCES

Tiomos mounting plates	76	Tipmatic	160		
Accessories	86	Assembly technology	193		
Technical information	90	Assembly aids	198		

PLANNING INFORMATION

All dimensions in millimetres



MINIMUM GAP/MINIMUM REVEAL

Values for 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 width (F)/ Gap width (S)	F	S	F	S	F	S	F	S	F	S	F	S	F	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	2	1.5	2	1.5	2	1.5	2	1.5	2	2.5	2	3	3	3

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

CROSS MOUNTING PLATE

LINEAR MOUNTING PLATE

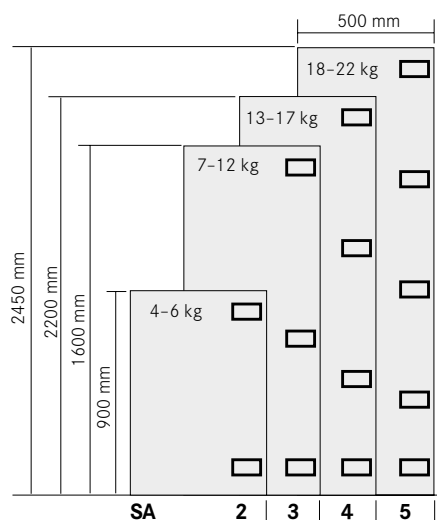
SCREW-ON POSITION

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

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

Z	Mounting plate height 0			
	A+41			
	Max. 25			
	Screwing distance (Z)			

NUMBER OF HINGES



NOTICE

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

① Installation advice: Countersunk screw M4 x 8 mm:

1. Drill hole with dia. 3.3 mm
2. Cut an M4 thread.
3. Fit the hinge and fix with the screws

① Installation advice: Countersunk screw M4 x 8 mm with sleeve M4 x 5.5 mm:

1. Drill hole with dia. 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: Euro cheese head screw dia. 6.3 x 10.5 mm:

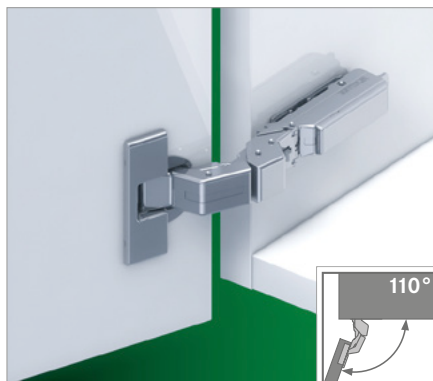
1. Drill hole with dia. 5 mm
2. Fit the hinge and fix with the screws

① Installation advice: The pull-out resistance can vary based on the type and thickness of the door material, despite using the same type of fastening. 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 fastening methods.

TIOMOS M9

110° hinge (door thicknesses from 12 mm)



- For door thicknesses up to max. 28 mm
- 35 mm full cup drill hole
- Shallow cup depth of 9 mm
- For door overlays up to 25 mm
- 3-dimensional adjustment with corresponding mounting plate

ORDER INFORMATION

Door position		Crank	Damper	Spring	Material	Click-on		
						Screw-on		
Full overlay		14	■	■	Zamak	F029140338		
Half overlay		14	-	■	Zamak	F047140339		
Inset		14	-	-	Zamak	F049140340¹		

¹Additionally Tipmatic Pin required

COVER CAPS

	Designation	Personalisation (logo)	Colour	Suitable for cranking	Art. no.
	Hinge arm; Standard; Steel; Left or right; Without Logo	Digital printing, Stamping	Nickel	0/3/9,5/14/19	F072135500
	Hinge arm; Standard; Steel; Right; With GRASS Logo	Stamping	Nickel	0/3/9,5/14/19	F072135550
	Hinge arm; Standard; Steel; Left; With GRASS Logo	Stamping	Nickel	0/3/9,5/14/19	F072135551
	Hinge arm; With integrated clip protection; ABS; Left or right; Without Logo	Digital printing	Black	0/3/9,5/14/19	F072140504
	Hinge cup; Standard; Steel; Left or right; Without Logo		Nickel		F072135503

ACCESSORIES

	Designation	Art. no.
	Tipmatic pin, short, Light grey	F069149392
	Tipmatic pin, long, Light grey	F069149389

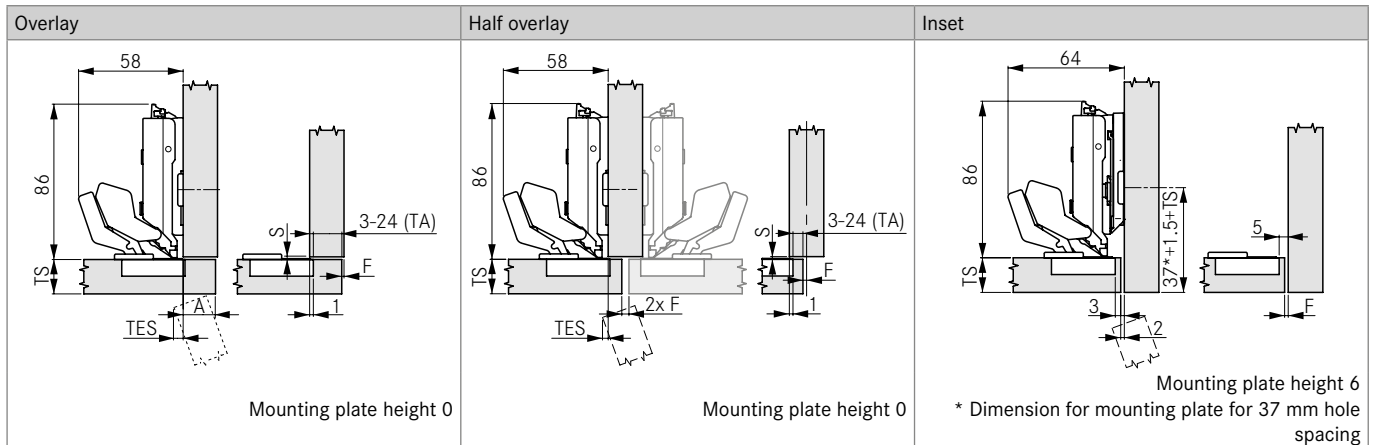
	Designation	Art. no.
	Tiomos Opening angle limiter, 85°	F072135871

PAGE REFERENCES

Installation information	74	Technical information	90	Assembly aids	198
Tiomos mounting plates	76	Tipmatic	160		
Accessories	86	Assembly technology	193		

PLANNING INFORMATION

All dimensions in millimetres



MINIMUM GAP/MINIMUM REVEAL

Values for mounting plate height 0

Door thickness (TS)	Cup distance (TA)		Door protrusion (TES)		Door overlay (A)		Min. reveal width (F)/ Gap width (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)		Door protrusion (TES)		Door overlay (A)		Min. reveal width (F)/ Gap width (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

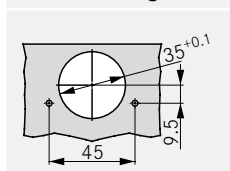
NOTICE

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

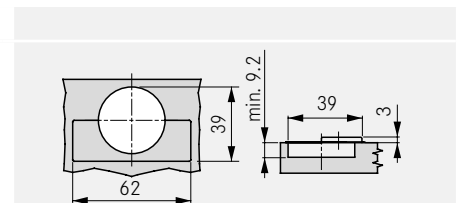
A trial fitting is recommended for all door thicknesses.

DRILLING PATTERNS

For screw fitting

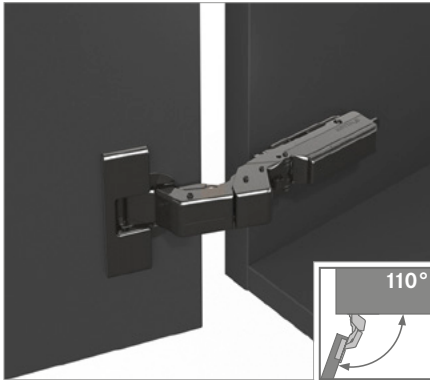


CUP DIMENSIONS



TIOMOS NIGHT M9

110° hinge (door thicknesses from 12 mm)



- For door thicknesses up to max. 28 mm
- 35 mm full cup drill hole
- Shallow cup depth of 9 mm
- For door overlays up to 25 mm
- 3-dimensional adjustment with corresponding mounting plate
- Especially for dark cabinet materials and woods

ORDER INFORMATION

Door position		Crank	Damper	Spring	Material	Click-on		
						Screw-on		
Full overlay		14	■	■	Zamak	F029 140467		
Half overlay		14	-	-	Zamak	F049 140472¹		
Inset								

¹Additionally Tipmatic Pin required

COVER CAPS

	Designation	Personalisation (logo)	Colour	Suitable for cranking	Art. no.
	Hinge arm; Standard; Steel; Left or right; Without Logo	Stamping	Night	0/3/9,5/14/19	F072 140519
	Hinge cup; Standard; Steel; Left or right; Without Logo		Night		F072 140520

ACCESSORIES

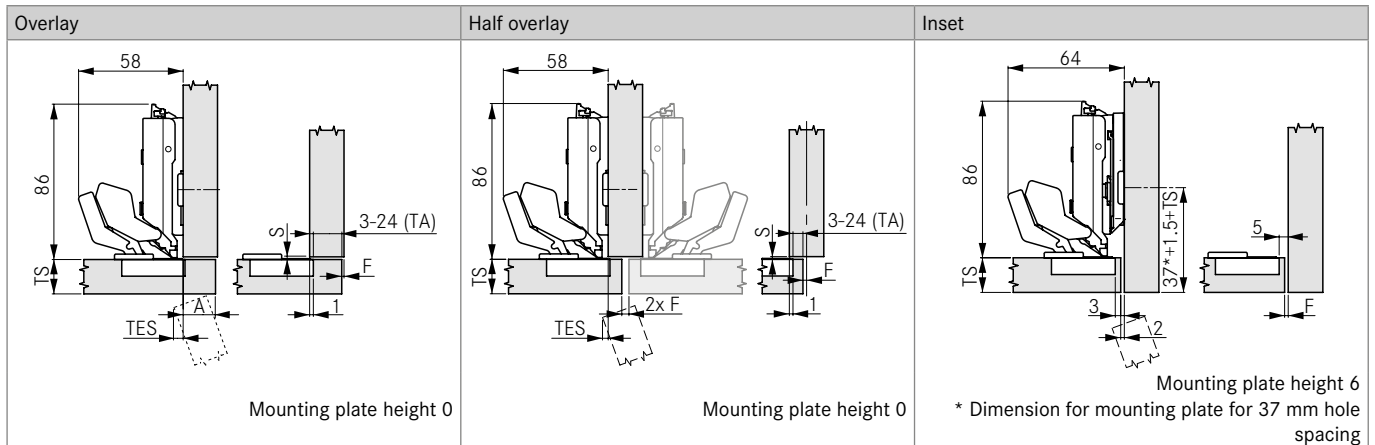
	Designation	Art. no.		Designation	Art. no.
	Tipmatic pin, short, Black	F069 149391		Tiomos Opening angle limiter, 85°	F072 135871
	Tipmatic pin, long, Black	F069 149388		Countersunk head wood screw, Night, 3.5 x 15 mm	F072 135961

PAGE REFERENCES

Installation information	74	Technical information	90	Assembly aids	198
Tiomos mounting plates	76	Tipmatic	160		
Accessories	86	Assembly technology	193		

PLANNING INFORMATION

All dimensions in millimetres



MINIMUM GAP/MINIMUM REVEAL

Values for mounting plate height 0

Door thickness (TS)	Cup distance (TA)		Door protrusion (TES)		Door overlay (A)		Min. reveal width (F)/ Gap width (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)		Door protrusion (TES)		Door overlay (A)		Min. reveal width (F)/ Gap width (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

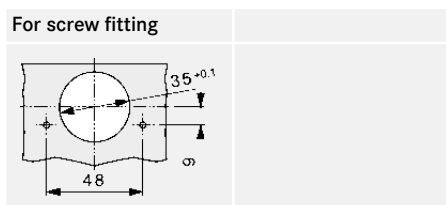
¹ Value can be obtained by using an 85° opening angle reduction clip

NOTICE

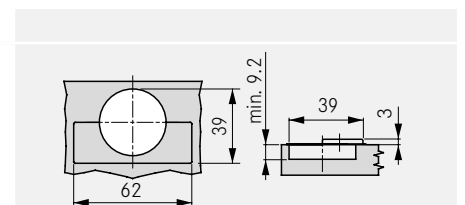
Minimum reveal for doors with chamfered edges (R = 1 mm) with factory setting.

A trial fitting is recommended for all door thicknesses.

DRILLING PATTERNS



CUP DIMENSIONS



TIOMOS M9

110° hinge (door thicknesses from 12 mm)

Mitred application – all 4 sides and side		Max. overlay	
12-24 mm			
<p>Mounting plate height 3 * Dimension for mounting plate for 37 mm hole spacing</p>		<p>Mounting plate height 0 * Dimension for mounting plate for 37 mm hole spacing</p>	
Door thickness (TS)		Mitre, all 4 sides	Mitre, side
		R (min.)	R (min.)
	12-17	0	0
	18	0.2	0
	19	1	0.4
	20	1.5	1
	21	2.2	1.8
22	3	2.5	
24	4.3	4.1	

NOTICE

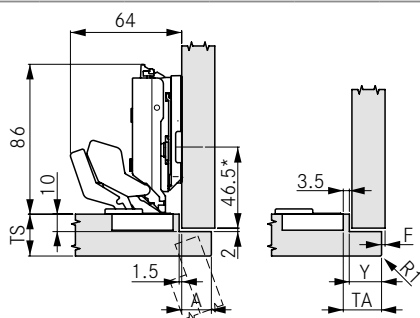
1.4 mm reveal with mitre on all sides.

PAGE REFERENCES

Tiomos mounting plates	76	Tipmatic	160		
Accessories	86	Assembly technology	193		
Technical information	90	Assembly aids	198		

Rebated applications

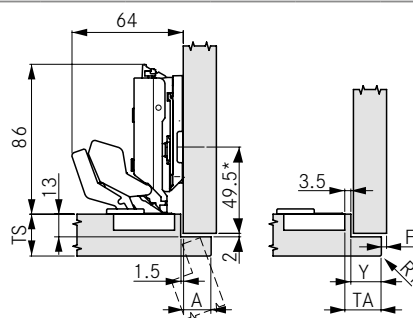
10 mm



Mounting plate height 6

* Dimension for mounting plate for 37 mm hole spacing

13 mm



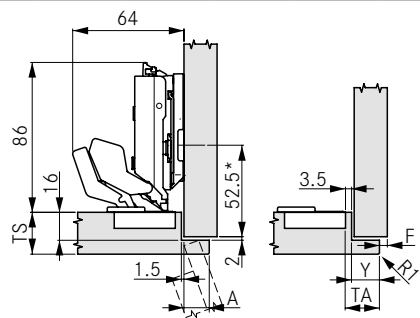
Mounting plate height 6

* Dimension for mounting plate for 37 mm hole spacing

Cabinet situation	TS (max.)	A (max.)	Y (max.)	TA (max.)	F (min.)
	20	17	18.5	22	1
	28	17	18.5	22	see reveal table
	38	17	18.5	22	

Cabinet situation	TS (max.)	A (max.)	Y (max.)	TA (max.)	F (min.)
	20	16	17.5	21	1
	28	16	17.5	21	see reveal table
	35	14	15.5	19	

16 mm



Mounting plate height 6

* Dimension for mounting plate for 37 mm hole spacing

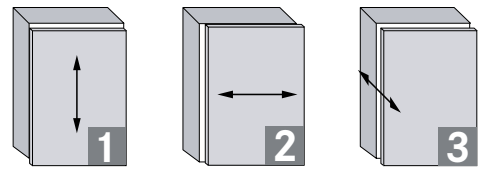
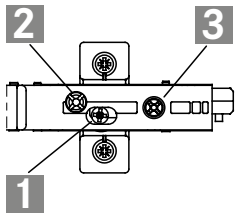
Cabinet situation	TS (max.)	A (max.)	Y (max.)	TA (max.)	F (min.)
	20	14.5	16	19.5	1
	26	14.5	16	19.5	see reveal table
	32	12.5	14	17.5	

LEGEND

- A Door overlay
- F Reveal
- TA Cup distance
- TS Door thickness

TIOMOS

1D cross mounting plates



Height adjustment +/- 2 mm Side adjustment +/- 2 mm Depth adjustment +3/-2 mm

All adjustments can be carried out independently of each other.

ORDER INFORMATION

TIOMOS 1D CROSS MOUNTING PLATE, 4-POINT FIXING

Description		37/32	Mounting plate height	Colour	Art. no.
<ul style="list-style-type: none"> Steel Fixing with wood screws dia. 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

TIOMOS 1D CROSS MOUNTING PLATE, 4-POINT FIXING

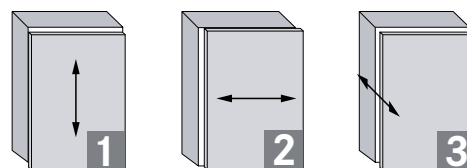
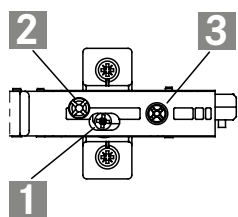
Description		37/32	Mounting plate height	Colour	Art. no.	
<ul style="list-style-type: none"> Steel Fixing with Euro screws dia. 6.3 mm With convenient height adjustment (HV) via worm screw 			0	Nickel	F058139756	
					2	F058139757
					3	F058139758

TIOMOS 1D CROSS MOUNTING PLATE, 4-POINT FIXING

Description		37/32	Mounting plate height	Colour	Art. no.
<ul style="list-style-type: none"> Steel, nickel-plated/Night Fixing with pre-assembled Euro screws dia. 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

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

Description		37/32	Mounting plate height	Colour	Art. no.	
<ul style="list-style-type: none"> Steel Fixing with pre-assembled Euro screws dia. 6.3 x 10 mm With convenient height adjustment (HV) via worm screw For twin application 			0	Nickel	F058139863	
					2	F058139864
					3	F058139865



Height adjustment +/- 2 mm Side adjustment +/- 2 mm Depth adjustment +3/-2 mm

All adjustments can be carried out independently of each other.

ORDER INFORMATION

TIOMOS 1D CROSS MOUNTING PLATE, 4-POINT FIXING

Description		37/32	Mounting plate height	Colour	Art. no.
<ul style="list-style-type: none"> Steel Fixing with dia. 10 mm dowels With convenient height adjustment (HV) via worm screw Do not strike the mounting plate with a hammer 			0	Nickel	F058 139751
			2		F058 139752
			3		F058 139753

TIOMOS 1D CROSS MOUNTING PLATE QUICK, 4-POINT FIXING

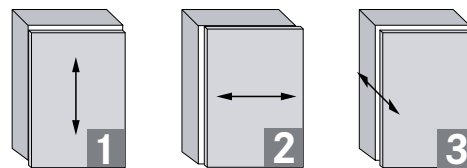
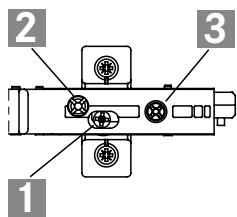
Description		37/32	Mounting plate height	Colour	Art. no.
<ul style="list-style-type: none"> Steel Fixing with dia. 5 mm dowels With convenient height adjustment (HV) via worm screw Do not strike the mounting plate with a hammer! 			0	Nickel	F058 139766
			2		F058 139767
			3		F058 139768

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

Description		37/32	Mounting plate height	Colour	Art. no.
<ul style="list-style-type: none"> Steel Fixing with dia. 5 mm dowels With convenient height adjustment (HV) via worm screw For twin application Do not strike the mounting plate with a hammer! 			0	Nickel	F058 139931
			3		F058 139933

TIOMOS

1D cross mounting plates



Height adjustment +/- 2 mm Side adjustment +/- 2 mm Depth adjustment +3/-2 mm

All adjustments can be carried out independently of each other.

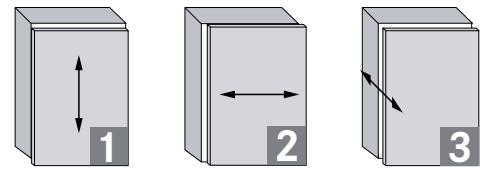
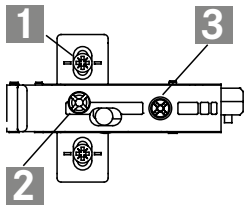
ORDER INFORMATION

TIOMOS 1D CROSS MOUNTING PLATE, 2-POINT FIXING

Description		37/32	Mounting plate height	Colour	Art. no.
<ul style="list-style-type: none"> Zamak/steel Fixing with wood screws dia. 3.5 x 15 mm With convenient height adjustment (HV) via worm screw 			6	Nickel	F058 139892
			8		F058 139886
			9		F058 139887
			12		F058 139893
			14		F058 139889
			15		F058 139890
			19		F058 139894
21	F058 139895				

TIOMOS 1D CROSS MOUNTING PLATE, 2-POINT FIXING

Description		37/32	Mounting plate height	Colour	Art. no.
<ul style="list-style-type: none"> Zamak/steel Fixing with pre-assembled Euro screws dia. 6.3 x 13.5 mm With convenient height adjustment (HV) via worm screw 			6	Nickel	F058 139873
			8		F058 139880
			9		F058 139881
			12		F058 139874
			15,5		F058 139885
			19		F058 139875
			21		F058 139896



Height adjustment ± 2.5 mm Side adjustment ± 2 mm Depth adjustment ± 3 mm

All adjustments can be carried out independently of each other.

ORDER INFORMATION

TIOMOS ECO CROSS MOUNTING PLATE, 3-POINT FIXING

Description		37/32	Mounting plate height	Colour	Art. no.
<ul style="list-style-type: none"> Steel Fixing with wood screws dia. 3.5 x 15 mm Height adjustment (HV) by means of slot 			-2	Nickel	F058 139720
			0		F058 139721
			2		F058 139722
			3		F058 139723

TIOMOS ECO CROSS MOUNTING PLATE, 3-POINT FIXING

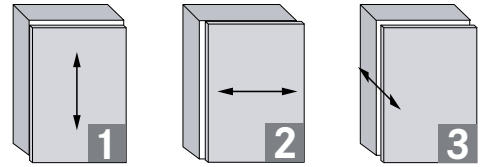
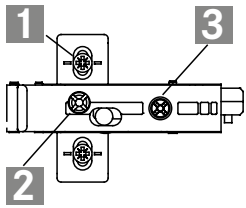
Description		37/32	Mounting plate height	Colour	Art. no.
<ul style="list-style-type: none"> Steel Fixing with pre-assembled pan head Euro screws dia. 6.3 x 13.5 mm Height adjustment (HV) by means of slot 			-2	Nickel	F058 139735
			0		F058 139736
			2		F058 139737
			3		F058 139738

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

Description		37/32	Mounting plate height	Colour	Art. no.
<ul style="list-style-type: none"> Steel Fixing with pre-assembled pan head Euro screws dia. 6.3 x 10.5 mm Height adjustment (HV) by means of slot For twin application 			-2	Nickel	F058 139857
			0		F058 139858
			2		F058 139859
			3		F058 139860

TIOMOS

ECO cross mounting plates



Height adjustment ± 2.5 mm Side adjustment ± 2 mm Depth adjustment ± 3 mm

All adjustments can be carried out independently of each other.

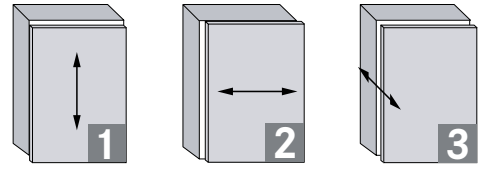
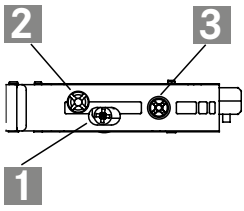
ORDER INFORMATION

TIOMOS ECO CROSS MOUNTING PLATE, 3-POINT FIXING

Description		28/32	Mounting plate height	Colour	Art. no.
<ul style="list-style-type: none"> Steel Fixing with pre-assembled pan head Euro screws dia. 6.3 x 13.5 mm Height adjustment (HV) by means of slot 			-2	Nickel	F058 139785
			0		F058 139786
			2		F058 139787
			3		F058 139788

TIOMOS ECO CROSS MOUNTING PLATE QUICK, 3-POINT FIXING

Description		37/32	Mounting plate height	Colour	Art. no.
<ul style="list-style-type: none"> Steel Fixing with dia. 5 mm dowels Height adjustment (HV) by means of slot Do not strike the mounting plate with a hammer! 			0	Nickel	F058 139741
			2		F058 139742



Height adjustment +/- 2 mm Side adjustment +/- 2 mm Depth adjustment +3/-2 mm

All adjustments can be carried out independently of each other.

ORDER INFORMATION

TIOMOS 1D LINEAR MOUNTING PLATE, 2-POINT FIXING

Description		20/32	Mounting plate height	Colour	Art. no.
<ul style="list-style-type: none"> Steel Fixing with wood screws Dia. 3.5 x 15 mm or dia. 6.3 x 13.5 mm with Euro screws With convenient height adjustment (HV) via worm screw 			0	Nickel	F059 139701
				Night	F059 139977
			2	Nickel	F059 139702
				Night	F059 139978
			3	Nickel	F059 139703
				Night	F059 139979

TIOMOS 1D LINEAR MOUNTING PLATE, 2-POINT FIXING

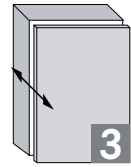
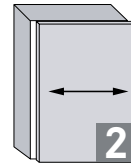
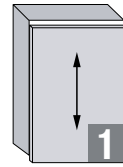
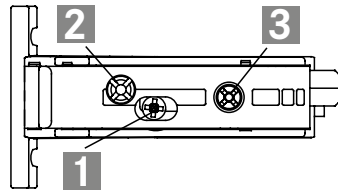
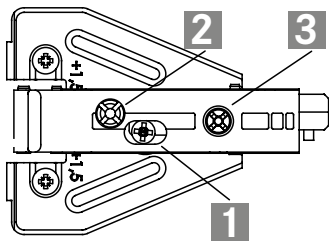
Description		20/32	Mounting plate height	Colour	Art. no.
<ul style="list-style-type: none"> Steel Fixing with pre-assembled Euro screws dia. 6.3 x 13.5 mm With convenient height adjustment (HV) via worm screw Do not strike the mounting plate with a hammer 			0	Nickel	F059 139711
			2		F059 139712
			3		F059 139713

TIOMOS 1D LINEAR MOUNTING PLATE, 2-POINT FIXING

Description		20/32	Mounting plate height	Colour	Art. no.
<ul style="list-style-type: none"> Steel Fixing with dia. 10 mm dowels With convenient height adjustment (HV) via worm screw Do not strike the mounting plate with a hammer 			0	Nickel	F059 139706
				Night	F059 139980
			2	Nickel	F059 139707
				Night	F059 149634
			3	Nickel	F059 139708

TIOMOS

Frame construction mounting plates



Height adjustment
+/-2 mm

Side adjustment
+/-2 mm

Depth adjustment
+3/-2 mm

All adjustments can be carried out independently of each other.

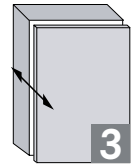
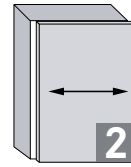
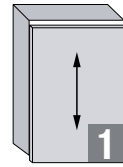
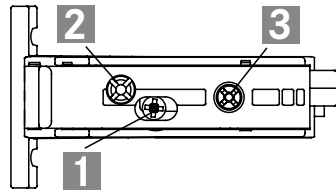
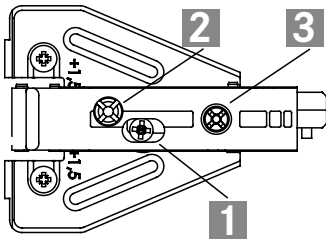
ORDER INFORMATION

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

Description		9,5/32	Mounting plate height	Colour	Art. no.
<ul style="list-style-type: none"> • Steel • Fixing with wood screws dia. 3.5 x 15 mm • With convenient height adjustment (HV) via worm screw 			1,5	Nickel	F058 139825
			3,5		F058 139826
			4,5		F058 139827
			5		F058 139828

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

Description		10/32	Mounting plate height	Colour	Art. no.
<ul style="list-style-type: none"> • For inset doors • For use with hinges with cranking 9.5 • Steel/zamak • Fixing with pan head wood screws • With convenient height adjustment (HV) via worm screw 			0	Nickel	F058 139831



Height adjustment
+/-2 mm

Side adjustment
+/-2 mm

Depth adjustment
+3/-2 mm

All adjustments can be carried out independently of each other.

ORDER INFORMATION

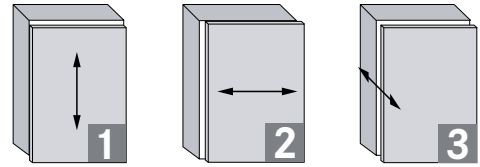
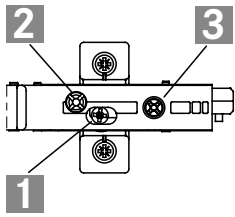
MINIMUM REVEAL

Inset beaded mounting plate for frame constructions, 3-point fixing

		Topfabstand (TA)			
		3	4	5	6
Door thickness (TS)	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)			

TIOMOS

Cross mounting plates for angle applications



Height adjustment +/- 2 mm Side adjustment +/- 2 mm Depth adjustment +3/-2 mm

All adjustments can be carried out independently of each other.

ORDER INFORMATION

TIOMOS CROSS MOUNTING PLATE FOR 20° ANGLE, 2-POINT FIXING

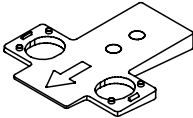
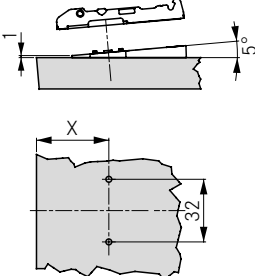
Description		X/32	Mounting plate height	Colour	Art. no.
<ul style="list-style-type: none"> For 20° angle applications Zamak/steel Fixing with wood screws dia. 3.5 x 15 mm With convenient height adjustment (HV) via worm screw 			0	Nickel	F058 139902
			3		F058 139904

APPLICATION EXAMPLES FOR 20° ANGLE APPLICATIONS

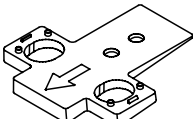
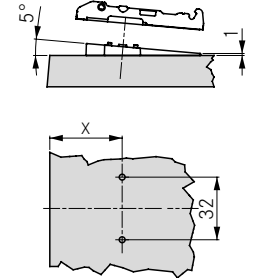
Overlay application	Half overlay application	Corner application	Mitred application
Tiomos 110/cranking 3 20° cross mounting plate height 2	Tiomos 110/cranking 3 20° cross mounting plate height 3.5	Tiomos 110/cranking 19 20° cross mounting plate height 0	Tiomos 110/cranking 9.5 20° cross mounting plate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

ORDER INFORMATION

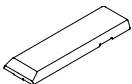

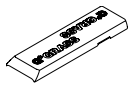

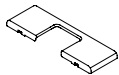
TIOMOS +5° WEDGE

Description		37/32	Art. no.
<ul style="list-style-type: none"> • Zamak • For supporting cross mounting plates • Max. 3-way stacking (trial fitting recommended) 			<p>F072135757</p>

TIOMOS -5° WEDGE

Description		37/32	Art. no.
<ul style="list-style-type: none"> • Zamak • For supporting cross mounting plates • Max. 3-way stacking (trial fitting recommended) 			<p>F072135758</p>

TIOMOS COVER CAPS

	Designation	Personalisation (logo)	Colour	Suitable for cranking	Art. no.
	Hinge arm; Standard; Steel; Left or right; Without Logo	Digital printing, Stamping	Nickel	0/3/9,5/14 / 19	F072 135500
		Stamping	Night	0/3/9,5/14 / 19	F072 140519
	Hinge arm; Standard; Steel; Right; With GRASS Logo	Stamping	Nickel	0/3/9,5/14 / 19	F072 135550
	Hinge arm; Standard; Steel; Left; With GRASS Logo	Stamping	Nickel	0/3/9,5/14 / 19	F072 135551
	Hinge arm; Standard; Steel; Left or right; With GRASS Logo	Stamping	Nickel	0/3/9,5/19	F072 135749
	Hinge arm; With integrated clip protection; ABS; Left or right; Without Logo	Digital printing	Black	0/3/9,5/14 / 19	F072 140504
	Hinge cup; Standard; Steel; Left or right; Without Logo		Nickel		F072 135503
			Night		F072 140520

TIOMOS OPENING ANGLE REDUCTION CLIP 85°

Description		Colour	Art. no.
<ul style="list-style-type: none"> • Can be used for all Tiomos 110° / 120° standard hinges as well as blind corner hinges • Prevents the door banging on front panels or walls in corner installations • Simple, tool-free assembly • Steel, not nickel-plated 		Silver	F072 135751

TIOMOS OPENING ANGLE LIMITER, 120°

Description		Colour	Art. no.
<ul style="list-style-type: none"> • Can be used for all Tiomos 160° wide-angle hinges • Prevents the door banging on front panels or walls in corner installations • Simple, tool-free assembly • Plastic, black 		Raw	F072 135753

TIOMOS SPACER RING

Description		Height	Art. no.
<ul style="list-style-type: none"> • Enables the use of standard hinges on thin doors • Simple installation • 2-way stacking • Not suitable for Impresso hinges • Not suitable for drilling pattern 52/5.5 		1.5 mm	F072 135885


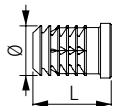
PAGE REFERENCES

Tiomos mounting plates	76	Assembly aids	198		
Technical information	88				
Assembly technology	193				

TIOMOS FASTENING SCREWS

	Ø	L	Øh	Colour	Material	Internal drive		Art. no.
	3.5 mm	15 mm	7 mm	Night	Steel	Z2		F072135961
	3 mm	6 mm	5.5 mm	Zinc	Steel	Z2		F069073405

HINGE CUP DOWEL

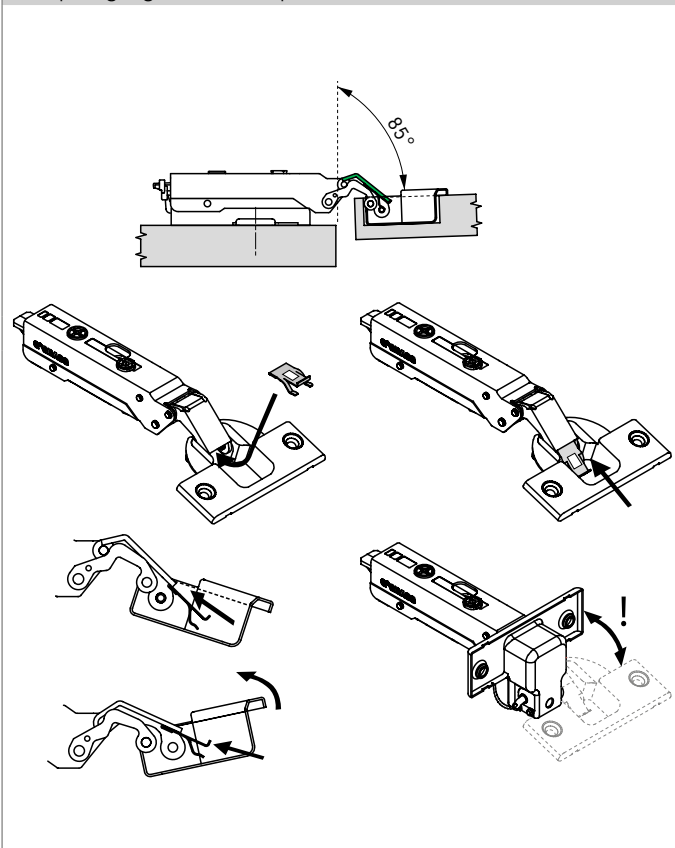
	Ø	L	Colour	Surface				Art. no.
	8 mm	13.2 mm	Natural	Plastic				F072135773

LEGEND

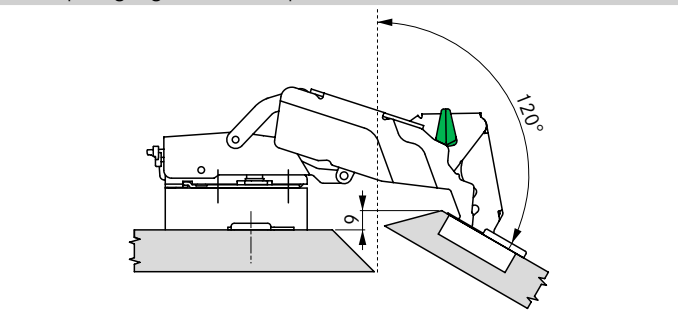
L Length

INSTALLATION INSTRUCTIONS

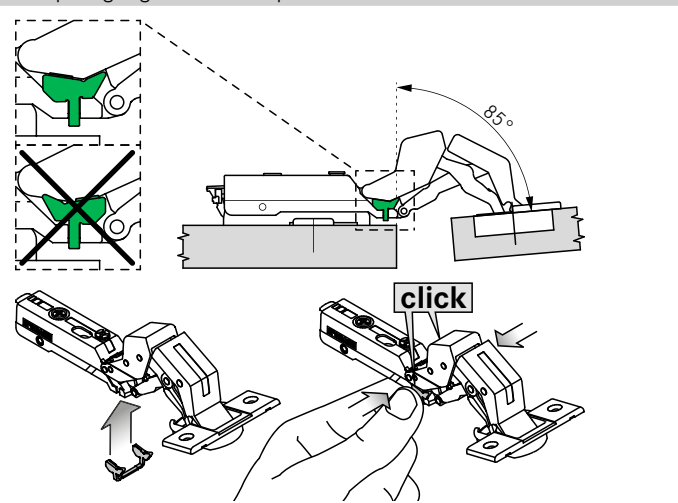
85° opening angle reduction clip



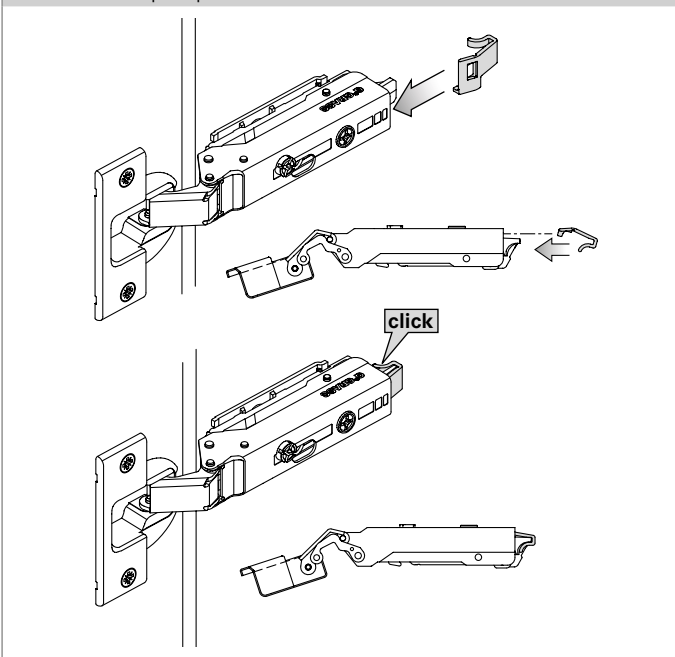
120° opening angle reduction clip



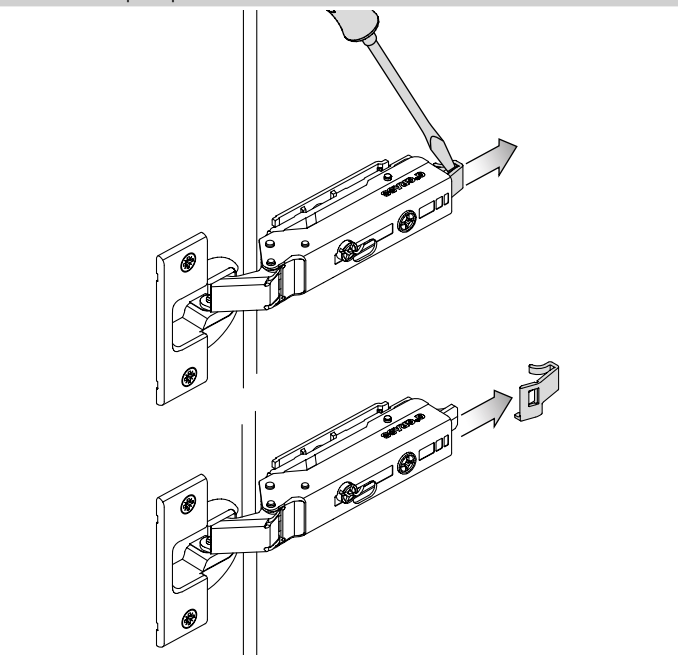
85° opening angle reduction clip for Tiomos M9 and Mirro



Installation of clip-off protection



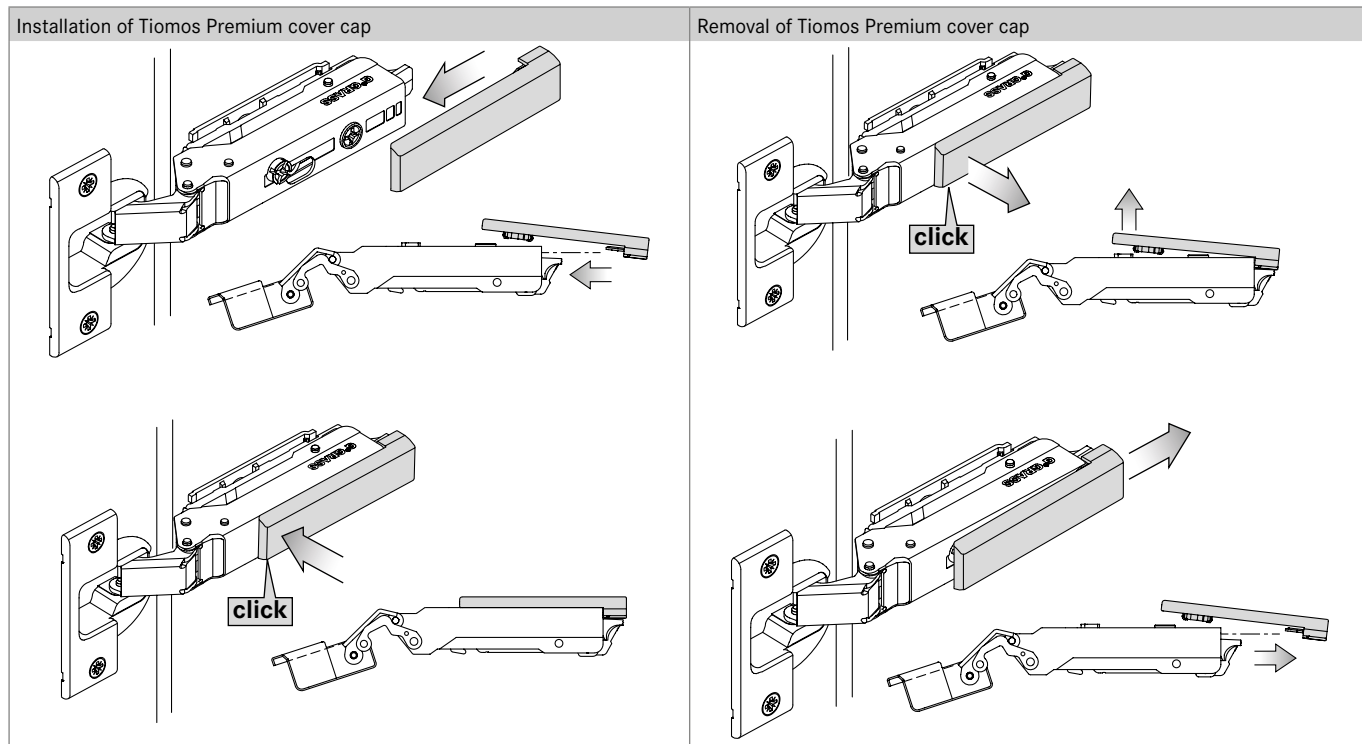
Removal of clip-off protection



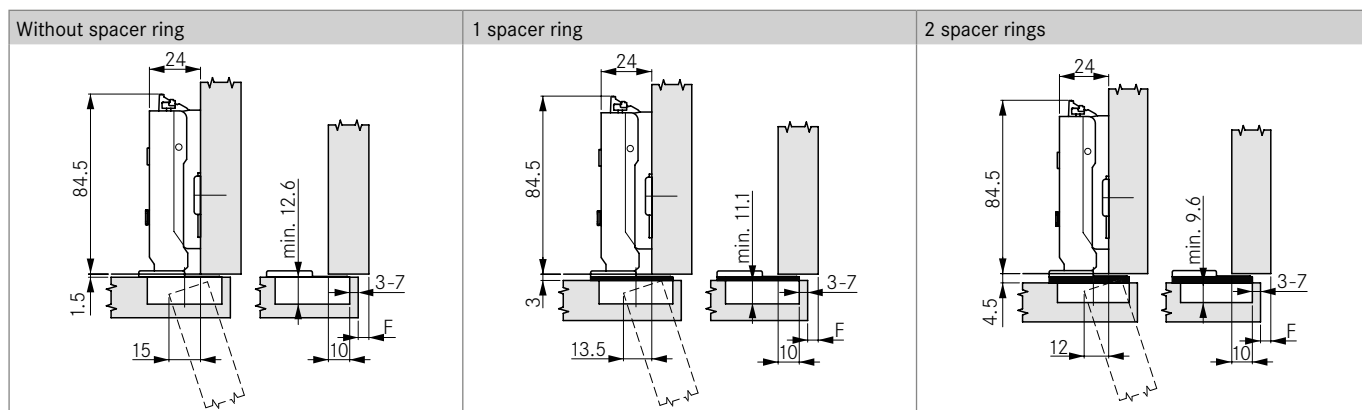
PAGE REFERENCES

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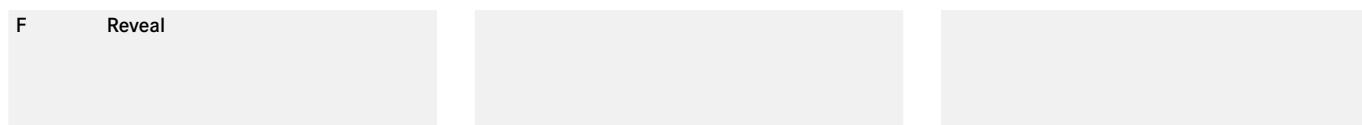
INSTALLATION INSTRUCTIONS



PLANNING INFORMATION



LEGEND



TIOMOS

Technical information

NUMBER OF HINGES PER DOOR

Description

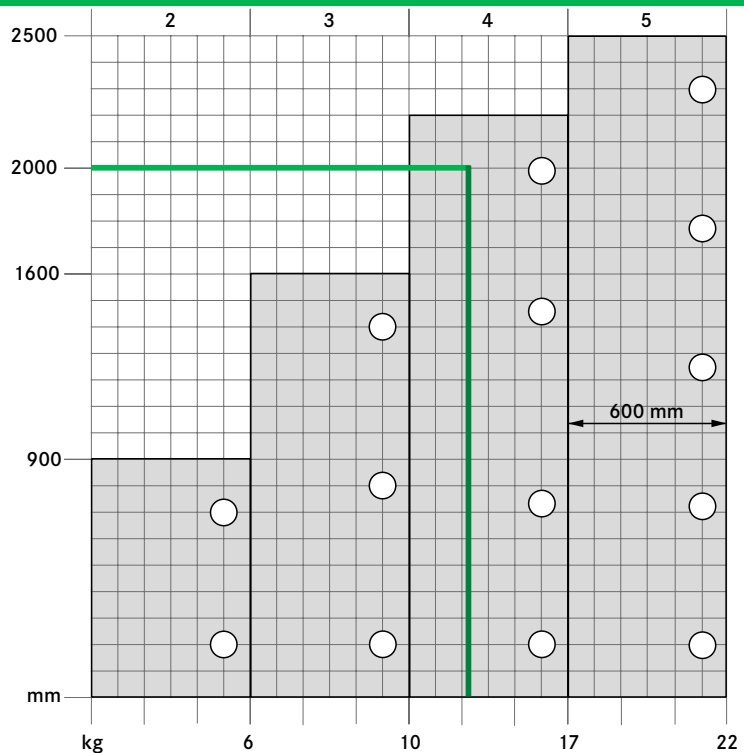
The decisive factors for the number of hinges are the door height, door weight, material quality and cup and mounting plate fastening.

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:

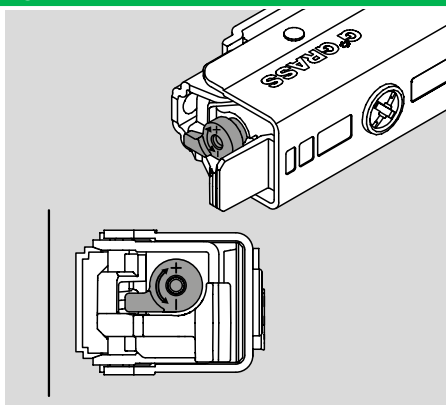
For a door with dimensions 2,000 x 600 mm and a weight of 13 kg, it is recommended to use 4 hinges.

The table refers to hinges with and without integrated damper.



TOOL-FREE DAMPER ADJUSTMENT

Light level

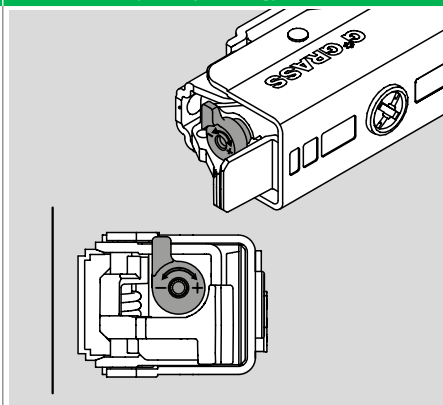


Adjustment lever points
• towards cabinet wall

Suitable for:

- Small, lightweight doors

Medium level (factory setting)



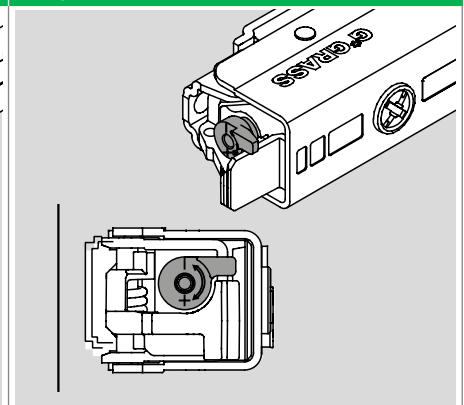
Adjustment lever points

- downwards with anti-clockwise application or upwards with clockwise application

Suitable for:

- Standard doors

Heavy level



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.

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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
<p>The possibility of height adjustment depends on the type of mounting plate. All adjustments can be carried out independently of each other.</p> <p>When using a mounting plate with height -2, side adjustment is limited.</p>			

DOOR REVEAL/MINIMUM REVEAL

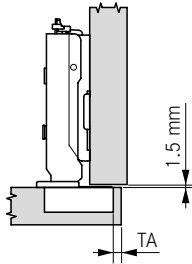
Description	Full overlay/door overlay	Half door overlay	Inset door
<p>The reveal is the distance between two doors or between the door and the cabinet side.</p> <p>The minimum reveal (F) is the distance between two doors or between the door and the side wall. The gap allows the door to be opened without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

Minimum reveal table	Achievable reveal with inset door																																																																																																																												
<p>The required reveal width depends on the door thickness.</p> <p>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.</p> <p>Important Reveals were determined with a (door) edge radius of 1 mm.</p> <p>We recommend a trial fitting.</p>	<p>The table shows the reveal that can be achieved with an inset door depending on the cup distance and mounting plate height.</p> <p>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.</p>																																																																																																																												
<table border="1"> <thead> <tr> <th rowspan="2">Door thickness</th> <th colspan="5">Cup distance</th> </tr> <tr> <th>3</th> <th>4</th> <th>5</th> <th>6</th> <th>7</th> </tr> </thead> <tbody> <tr> <td>24</td> <td>2.4</td> <td>2.1</td> <td>2.1</td> <td>2.1</td> <td>2.0</td> </tr> <tr> <td>22</td> <td>1.6</td> <td>1.6</td> <td>1.6</td> <td>1.5</td> <td>1.5</td> </tr> <tr> <td>21</td> <td>1.4</td> <td>1.3</td> <td>1.3</td> <td>1.3</td> <td>1.3</td> </tr> <tr> <td>20</td> <td>1.1</td> <td>1.1</td> <td>1.1</td> <td>1.5</td> <td>1.1</td> </tr> <tr> <td>19</td> <td>0.9</td> <td>0.9</td> <td>0.9</td> <td>0.9</td> <td>0.9</td> </tr> <tr> <td>18</td> <td>0.7</td> <td>0.7</td> <td>0.7</td> <td>0.7</td> <td>0.7</td> </tr> <tr> <td>17</td> <td>0.6</td> <td>0.6</td> <td>0.6</td> <td>0.6</td> <td>0.6</td> </tr> <tr> <td>16</td> <td>0.6</td> <td>0.6</td> <td>0.6</td> <td>0.6</td> <td>0.6</td> </tr> <tr> <td colspan="6" style="text-align: center;">Minimum reveal (F)</td> </tr> </tbody> </table>	Door thickness	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	Minimum reveal (F)						<table border="1"> <thead> <tr> <th rowspan="2">Door reveal</th> <th colspan="5">Cup distance</th> </tr> <tr> <th>3</th> <th>4</th> <th>5</th> <th>6</th> <th>7</th> </tr> </thead> <tbody> <tr> <td>0.0</td> <td>0</td> <td></td> <td></td> <td>2</td> <td>3</td> </tr> <tr> <td>0.5</td> <td></td> <td></td> <td></td> <td></td> <td>3.5</td> </tr> <tr> <td>1.0</td> <td>0</td> <td></td> <td>2</td> <td>3</td> <td></td> </tr> <tr> <td>1.5</td> <td></td> <td></td> <td></td> <td>3.5</td> <td></td> </tr> <tr> <td>2.0</td> <td></td> <td>2</td> <td>3</td> <td></td> <td></td> </tr> <tr> <td>3.0</td> <td>2</td> <td>3</td> <td></td> <td></td> <td></td> </tr> <tr> <td>4.0</td> <td>3</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="6" style="text-align: center;">Mounting plate height</td> </tr> </tbody> </table>	Door reveal	Cup distance					3	4	5	6	7	0.0	0			2	3	0.5					3.5	1.0	0		2	3		1.5				3.5		2.0		2	3			3.0	2	3				4.0	3					Mounting plate height					
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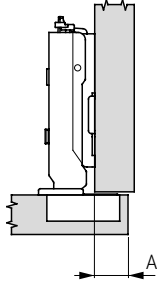
LEGEND

F	Reveal		
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MINIMUM GAP

Description		Example																																																																								
<p>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. The factory setting for the gap is 1.5 mm.</p> <p>The cup distance (TA) is the distance between the door edge and the edge of the cup hole.</p> 	<p>With a door thickness of 17 mm and a cup distance of 6 mm, the minimum gap is 1.0 mm.</p>	<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Door thickness</p>	<table border="1"> <thead> <tr> <th rowspan="2"></th> <th colspan="5">Cup distance</th> </tr> <tr> <th>3</th> <th>4</th> <th>5</th> <th>6</th> <th>7</th> </tr> </thead> <tbody> <tr> <td>24</td> <td>1.0</td> <td>1.0</td> <td>1.0</td> <td>1.2</td> <td>2.1</td> </tr> <tr> <td>22</td> <td>1.0</td> <td>1.0</td> <td>1.0</td> <td>1.0</td> <td>1.5</td> </tr> <tr> <td>21</td> <td>1.0</td> <td>1.0</td> <td>1.0</td> <td>1.0</td> <td>1.2</td> </tr> <tr> <td>20</td> <td>1.0</td> <td>1.0</td> <td>1.0</td> <td>1.0</td> <td>1.0</td> </tr> <tr> <td>19</td> <td>1.0</td> <td>1.0</td> <td>1.0</td> <td>1.0</td> <td>1.0</td> </tr> <tr> <td>18</td> <td>1.0</td> <td>1.0</td> <td>1.0</td> <td>1.0</td> <td>1.0</td> </tr> <tr> <td>17</td> <td>1.0</td> <td>1.0</td> <td>1.0</td> <td>1.0</td> <td>1.0</td> </tr> <tr> <td>16</td> <td>1.0</td> <td>1.0</td> <td>1.0</td> <td>1.0</td> <td>1.0</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="6" style="text-align: right;">Minimum gap</td> </tr> </tbody> </table>		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					
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DOOR OVERLAY

Description		Example																																																																																																						
<p>The door overlay (A) is the part of the sidewall or frame that is covered by the door.</p> 	<p>For a hinge with cranking 3, mounting plate height 2 and a cup distance of 4 mm, the door overlay is 14 mm.</p>	<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Door overlay</p>	<table border="1"> <thead> <tr> <th rowspan="2"></th> <th colspan="5">Cup distance</th> </tr> <tr> <th>3</th> <th>4</th> <th>5</th> <th>6</th> <th>7</th> </tr> </thead> <tbody> <tr> <td>19.0</td> <td></td> <td></td> <td></td> <td></td> <td>0</td> </tr> <tr> <td>18.0</td> <td></td> <td></td> <td></td> <td>0</td> <td></td> </tr> <tr> <td>17.0</td> <td></td> <td></td> <td>0</td> <td></td> <td>2</td> </tr> <tr> <td>16.5</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> </tr> <tr> <td>15.5</td> <td></td> <td></td> <td></td> <td></td> <td>3.5</td> </tr> <tr> <td>15.0</td> <td>0</td> <td></td> <td>2</td> <td>3</td> <td></td> </tr> <tr> <td>14.5</td> <td></td> <td></td> <td></td> <td>3.5</td> <td></td> </tr> <tr> <td>14.0</td> <td></td> <td>2</td> <td>3</td> <td></td> <td></td> </tr> <tr> <td>13.5</td> <td></td> <td></td> <td>3.5</td> <td></td> <td></td> </tr> <tr> <td>13.0</td> <td>2</td> <td>3</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> </tr> <tr> <td>12.0</td> <td>3</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>11.5</td> <td>3.5</td> <td>3</td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="6" style="text-align: right;">Mounting plate height</td> </tr> </tbody> </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	3				Mounting plate height					
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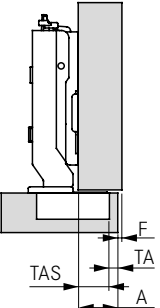
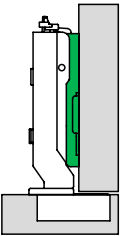
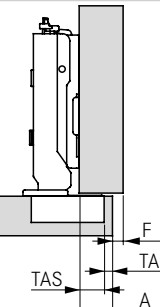
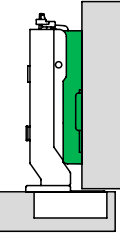
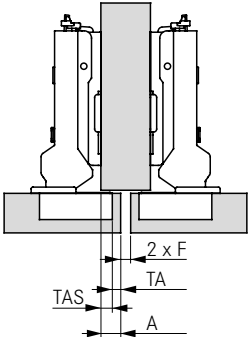
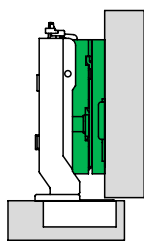
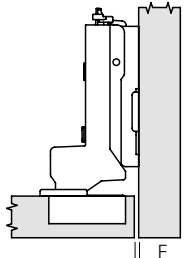
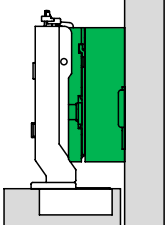
DOOR PROTRUSION

Description	
<p>The door protrusion (TES) is obtained when the door is open and varies depending on the hinge type and stop type.</p> <p>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.</p> 	

PAGE REFERENCES

Tiomos mounting plates	76	Assembly aids	198		
Accessories	86				
Assembly technology	193				

OPTION TO CHANGE THE DOOR OVERLAY

After selecting the cranking	By using a different mounting plate height
<p>Full overlay (cranking 0)</p> <p>The cup overlay (TAS)/factory setting) plus cup distance (TA) provides the door overlay (A).</p> <p>The dimensions can be found in the table on the respective catalogue page.</p> 	<p>Full overlay</p> <p>Use of a hinge with cranking 0 and mounting plate height 0.</p> 
<p>Overlay (cranking 3)</p> <p>The cup overlay (TAS)/factory setting) plus cup distance (TA) provides the door overlay (A).</p> <p>The dimensions can be found in the table on the respective catalogue page.</p> 	<p>Overlay</p> <p>Use of a hinge with cranking 0 and mounting plate height 3.</p> 
<p>Half overlay (cranking 9.5)</p> <p>The cup overlay (TAS)/factory setting) plus cup distance (TA) provides the door overlay (A).</p> <p>The dimensions can be found in the table on the respective catalogue page.</p> 	<p>Half overlay</p> <p>Use of a hinge with cranking 0 and mounting plate height 9.5.</p> 
<p>Inset (cranking 19)</p> <p>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.</p> 	<p>Inset</p> <p>Use of a hinge with cranking 0 and mounting plate height 21.</p> 

LEGEND

A	Door overlay
F	Reveal
TA	Cup distance
TAS	Cup overlay

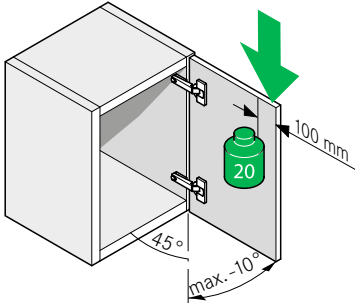
TES Door protrusion

TEST CRITERIA FOR HINGES

Functional test

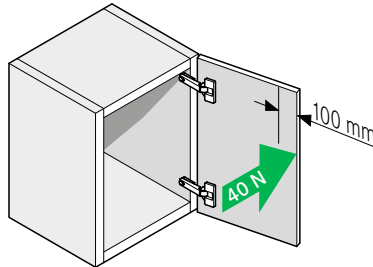
Static load, vertical

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



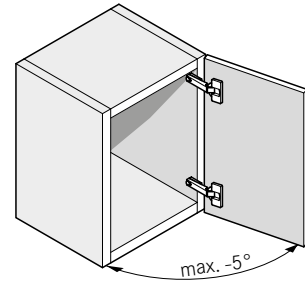
Static load horizontal

Force: 40 N
Number: 10



Endurance test

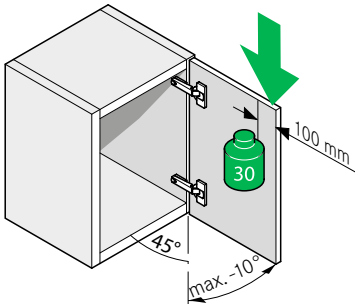
Opening angle: max. -5°
Opening and closing movements: 100,000



Overload test

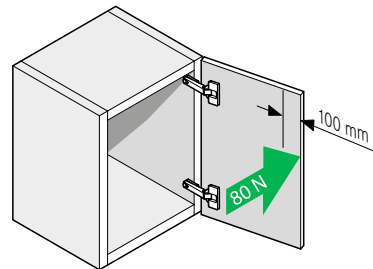
Vertical

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



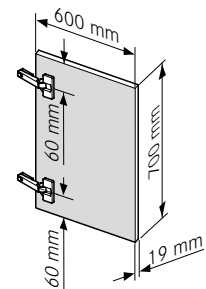
Horizontal

Force: 80 N
Number: 10



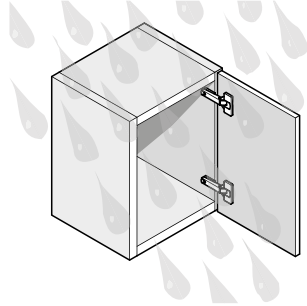
Test door

Weight approx. 5.2 kg



Salt spray and humidity test

Based on DIN ISO 9227 and DIN 6270-2

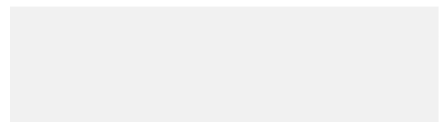
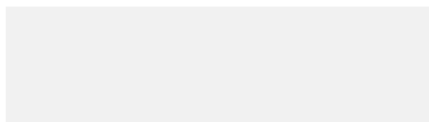
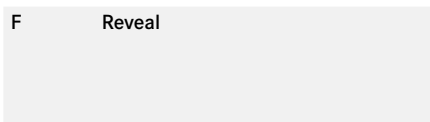


PAGE REFERENCES

Tiomos mounting plates	76	Assembly aids	198		
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Assembly technology	193				

LEGEND

F **Reveal**



Proven Click-on technology
for tool-free attachment of the
hinges to the cabinet.

nexis click-on.



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 simply by unlocking it.

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



Fast. Reliable.
Click-on and you're done.





Nexis Click-on.

The proven Click-on technology in the hinge arm forms a solid base for fastening the hinges to the cabinet without the need for any tools.

Nexis

Hinge systems


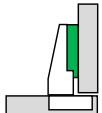
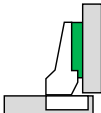
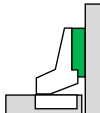

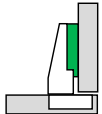
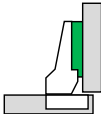
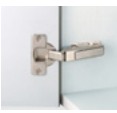
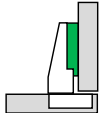
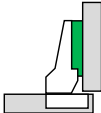

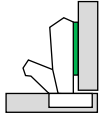
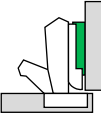
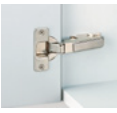
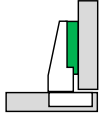
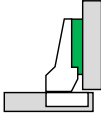
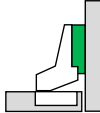

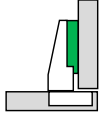
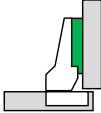
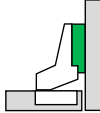

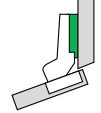

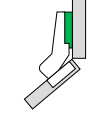

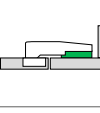
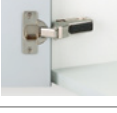
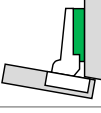
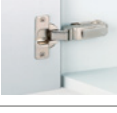
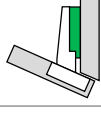

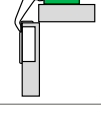
Finely tuned movement systems featuring top-quality workmanship, functionality and operating comfort.


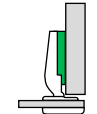
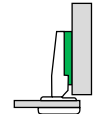
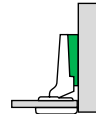



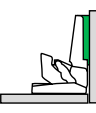
	<p>Nexis Click-on</p> <p>Quick-mounting hinges with tool-free Click-on technology on the cabinet side.</p>	098
	<p>Nexis Slide-on</p> <p>Hinges with classic Slide-on technology. Reliability for continuous daily use.</p>	139
	<p>Soft-close for Nexis</p> <p>The unique hinge damping system. Gently slows down the movement and closes the furniture door softly and quietly. Convenient, quiet and can be retrofitted.</p>	152
	<p>Tipmatic for Nexis</p> <p>The opening system for handle-free furniture doors. Simply tap and the doors open as if by themselves.</p>	160

Nexis Click-on

Hinge systems

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

Opening angle		Description	Full overlay	Half overlay	Inset	Page
100°		Nexis Click-on 04 <ul style="list-style-type: none"> • Also suitable for soft-formed doors • Optimal reveal for door thicknesses up to 24 mm • Compatible with Soft-close 				100
110°		Nexis Click-on 22 <ul style="list-style-type: none"> • Cup depth 11 mm • Also suitable for soft-formed doors • Compatible with Soft-close 			-	102
125°		Nexis Click-on 29 <ul style="list-style-type: none"> • Convenient access to unit • Compatible with Soft-close 			-	104
170°		Nexis Click-on 65 <ul style="list-style-type: none"> • Also suitable for soft-formed doors • Zero protrusion • Compatible with Soft-close 			-	106
95°		Nexis Click-on 05 <ul style="list-style-type: none"> • Suitable for thick doors or profiled doors • Optimal reveal for door thicknesses up to 30 mm • Compatible with Soft-close 				108
95°		Nexis Click-on 25 <ul style="list-style-type: none"> • Cup diameter 40 mm • For profiled and frame doors with door thickness up to 36 mm • Smallest reveals with thick doors 				110
95°		Nexis Click-on 05/20/6 <ul style="list-style-type: none"> • For 20° angled cabinets • Optimal reveal for door thicknesses up to 30 mm • Compatible with Soft-close 	-		-	112
95°		Nexis Click-on 05/45/3 <ul style="list-style-type: none"> • For 45° corner and special applications • Optimal reveal for door thicknesses up to 30 mm • Compatible with Soft-close 	-	-		114
95°		Nexis Click-on 05/90/4 <ul style="list-style-type: none"> • For protruding posts • Optimal reveal for door thicknesses up to 30 mm • Compatible with Soft-close 	-	-		116
125°		Nexis Click-on 29/-14 <ul style="list-style-type: none"> • For -14° angled cabinets • Ideal for kitchens and bathrooms • Compatible with Soft-close 	-		-	118
125°		Nexis Click-on 29/-24 <ul style="list-style-type: none"> • For -24° corner and special applications • Ideal for kitchens and bathrooms 	-		-	120
-		Nexis Click-on PCC <ul style="list-style-type: none"> • Pie-cut corner hinge for corner applications • For door thicknesses from 14 to 22 mm • For connecting two corner cabinet doors 	-	-		122

Opening angle		Description	Full overlay	Half overlay	Inset	Page
95°		Nexis Click-on 17 GL <ul style="list-style-type: none"> • For glass thicknesses from 4 to 6 mm • Cup diameter 26 mm • Ideal for display cabinets 				124
128°		Nexis Click-on 07 Mirro <ul style="list-style-type: none"> • For mirror and glass applications • Fixing by gluing on the door side • Compatible with Soft-close 				126

Nexis Click-on mounting plates	128
Technical information	134

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

ORDER INFORMATION

Door position		Crank	Spring	Material	Click-on		
					Press-fit	Screw-on	
Full overlay		0	■	Steel	F015072719	F015072722	
		0	-	Steel		F015072724	
Half overlay		8	■	Steel	F015072727	F015072729	
		8	-	Steel		F015072730	
Inset		15	■	Steel		F015072736	
		15	-	Steel		F015072738	

COVER CAPS

	Designation	Personalisation (logo)	Colour	Suitable for cranking	Art. no.
	Hinge arm; Short; Steel; Left or right; Without Logo	Digital printing, Stamping	Nickel	0/-2/2/3/4/6/8/16/45	F069073570
	Hinge cup; Standard; Steel; Left or right; Without Logo		Nickel		F069073687

ACCESSORIES

	Designation	Art. no.		Designation	Art. no.
	Nexis Soft-close adapter	F069073715			

PAGE REFERENCES

Nexis Click-on mounting plates	128	Assembly technology	193		
Technical information	134	Assembly aids	198		
Soft-close Click-on	152				

PLANNING INFORMATION

All dimensions in millimetres

full overlay	K-2/0	Half overlay	K8	Inset	K15																																																																																																																																																																		
<p>Mounting plate height 2</p>		<p>Mounting plate height 2</p>		<p>Mounting plate height 4</p>																																																																																																																																																																			
<table border="1"> <thead> <tr> <th rowspan="2">Door overlay</th> <th colspan="5">Cup distance</th> </tr> <tr> <th>-2</th> <th>3</th> <th>4</th> <th>5</th> <th>6</th> <th>0</th> </tr> </thead> <tbody> <tr><td>21</td><td></td><td></td><td></td><td></td><td>0</td><td>19</td></tr> <tr><td>20</td><td></td><td></td><td></td><td>0</td><td></td><td>18</td></tr> <tr><td>19</td><td></td><td></td><td>0</td><td></td><td>2</td><td>17</td></tr> <tr><td>18</td><td>0</td><td></td><td>2</td><td>3</td><td>4</td><td>16</td></tr> <tr><td>17</td><td></td><td>2</td><td>3</td><td>4</td><td></td><td>15</td></tr> <tr><td>16</td><td>2</td><td>3</td><td>4</td><td></td><td></td><td>14</td></tr> <tr><td>15</td><td>3</td><td>4</td><td></td><td></td><td></td><td>13</td></tr> <tr><td>14</td><td>4</td><td></td><td></td><td></td><td></td><td>12</td></tr> </tbody> </table> <p>Mounting plate height</p>		Door overlay	Cup distance					-2	3	4	5	6	0	21					0	19	20				0		18	19			0		2	17	18	0		2	3	4	16	17		2	3	4		15	16	2	3	4			14	15	3	4				13	14	4					12	<table border="1"> <thead> <tr> <th rowspan="2">Door overlay</th> <th colspan="5">Cup distance</th> </tr> <tr> <th>8</th> <th>4</th> <th>5</th> <th>6</th> <th></th> <th></th> </tr> </thead> <tbody> <tr><td>11</td><td></td><td></td><td></td><td>0</td><td></td><td></td></tr> <tr><td>10</td><td></td><td></td><td>0</td><td></td><td></td><td></td></tr> <tr><td>9</td><td>0</td><td></td><td></td><td>2</td><td></td><td></td></tr> <tr><td>8</td><td></td><td></td><td>2</td><td>3</td><td></td><td></td></tr> <tr><td>7</td><td>2</td><td></td><td>3</td><td>4</td><td></td><td></td></tr> <tr><td>6</td><td>3</td><td></td><td>4</td><td></td><td></td><td></td></tr> <tr><td>5</td><td>4</td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table> <p>Mounting plate height</p>		Door overlay	Cup distance					8	4	5	6			11				0			10			0				9	0			2			8			2	3			7	2		3	4			6	3		4				5	4						<table border="1"> <thead> <tr> <th rowspan="2">Door reveal</th> <th colspan="5">Cup distance</th> </tr> <tr> <th>15</th> <th>3</th> <th>4</th> <th>5</th> <th>6</th> <th></th> </tr> </thead> <tbody> <tr><td>0</td><td></td><td></td><td>2</td><td>3</td><td>4</td><td></td></tr> <tr><td>1</td><td></td><td>2</td><td>3</td><td>4</td><td></td><td></td></tr> <tr><td>2</td><td></td><td>3</td><td>4</td><td></td><td></td><td></td></tr> </tbody> </table> <p>Mounting plate height</p>		Door reveal	Cup distance					15	3	4	5	6		0			2	3	4		1		2	3	4			2		3	4			
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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	0.8	
24	0.5	0.5	0.5	1.1	

Minimum gap

MINIMUM REVEAL

Door thickness	Cup distance				
	3	4	5	6	
16	0.6	0.6	0.6	0.6	
18	0.9	0.9	0.9	0.9	
19	1.1	1.1	1.1	1.1	
20	1.4	1.4	1.4	1.4	
22	1.9	1.9	1.9	1.9	
24	2.5	2.5	2.5	2.5	

Minimum reveal (F)

NOTICE

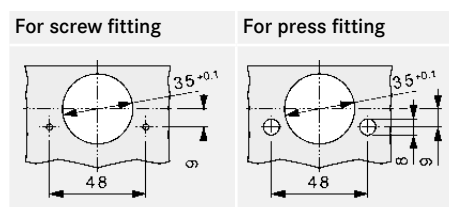
The minimum gap is the clearance required between the front edge of the cabinet and the closed door so that the door can be opened without hindrance.

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

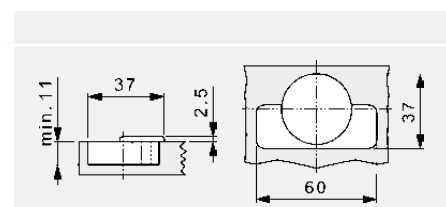
Hinge dimensions and reveal calculation with factory setting.

We recommend a trial fitting.

DRILLING PATTERNS



CUP DIMENSIONS



NEXIS CLICK-ON 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

ORDER INFORMATION

Door position		Crank	Spring	Material	Click-on		
					Press-fit	Screw-on	
Full overlay		0	■	Steel	F015072810	F015072811	
		0	-	Steel		F015072816	
Half overlay		8	■	Steel		F015072818	

COVER CAPS

	Designation	Personalisation (logo)	Colour	Suitable for cranking	Art. no.
	Hinge arm; Short; Steel; Left or right; Without Logo	Digital printing, Stamping	Nickel	0/-2/2/3/4/6/8/16/45	F069073570
	Hinge cup; Standard; Steel; Left or right; Without Logo		Nickel		F069073687

ACCESSORIES

	Designation	Art. no.		Designation	Art. no.
	Nexis Soft-close adapter	F069073715		Nexis Opening angle limiter, 85°	F069135032

PAGE REFERENCES

Nexis Click-on mounting plates	128	Assembly technology	193		
Technical information	134	Assembly aids	198		
Soft-close Click-on	152				

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 position		Crank	Spring	Material	Click-on		
					Press-fit	Screw-on	
Full overlay		0	■	Steel	F015072825	F015072827	

COVER CAPS

	Designation	Personalisation (logo)	Colour	Suitable for cranking	Art. no.
	Hinge arm; Short; Steel; Left or right; Without Logo	Digital printing, Stamping	Nickel	0/-2/2/3/4/6/8/16/45	F069073570
	Hinge cup; Standard; Steel; Left or right; Without Logo		Nickel		F069073687

ACCESSORIES

	Designation	Art. no.		Designation	Art. no.
	Nexis Soft-close adapter	F069073715			

PAGE REFERENCES

Nexis Click-on mounting plates	128	Assembly technology	193		
Technical information	134	Assembly aids	198		
Soft-close Click-on	152				

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

ORDER INFORMATION

Door position		Crank	Spring	Material	Click-on		
					Press-fit	Screw-on	
Full overlay		0	■	Zamak	F015072840	F015072842	
		0	-	Zamak		F015072843	
Half overlay		8	■	Zamak		F015072845	
		8	-	Zamak		F015072846	

ACCESSORIES

	Designation	Art. no.		Designation	Art. no.
	Nexis 170° Soft-close	F069073729			

PAGE REFERENCES

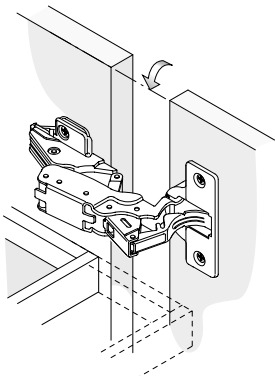
Nexis Click-on mounting plates	128	Assembly technology	193		
Technical information	134	Assembly aids	198		
170° Soft-close	154				

PLANNING INFORMATION

All dimensions in millimetres

Full overlay	K0	Half overlay	K8	Inset	K0	Mitred application	K0																																																																																																																																																																																				
<p>Mounting plate height 2</p>		<p>Mounting plate height 2</p>		<p>Inset application</p>		<p>Mitred application</p>																																																																																																																																																																																					
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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						
	3	4	5	6	8	10	
16	0.0	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	0.0
19	0.0	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	0.0
22	0.0	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	0.0
24	0.0	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	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Door thickness

Minimum gap

MINIMUM REVEAL

	Cup distance						
	3	4	5	6	7	8	
16	0.0	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	0.0
19	0.0	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	0.0
22	0.0	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	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	

Door thickness

Minimum reveal (F)

NOTICE

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.

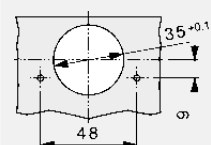
Important: Reveals were determined with a (door) edge radius of 1 mm.

Hinge dimensions and reveal calculation with factory setting.

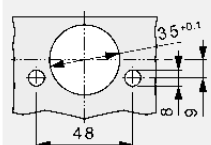
We recommend a trial fitting.

DRILLING PATTERNS

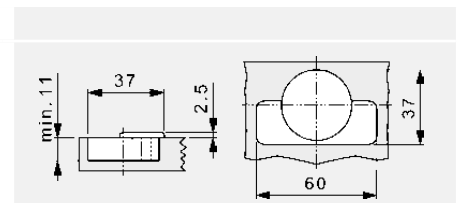
For screw fitting



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

ORDER INFORMATION

Door position		Crank	Spring	Material	Click-on		
					Screw-on		
Full overlay		0	■	Steel	F015072742		
		0	-	Steel	F015072743		
Half overlay		8	■	Steel	F015072760		
		8	-	Steel	F015072762		
Inset		15	■	Steel	F015072768		
		15	-	Steel	F015072770		

COVER CAPS

	Designation	Personalisation (logo)	Colour	Suitable for cranking	Art. no.
	Hinge arm; Short; Steel; Left or right; Without Logo	Digital printing, Stamping	Nickel	0/-2/2/3/4/6/8/16/45	F069073570
	Hinge cup; Standard; Steel; Left or right; Without Logo		Nickel		F069073687

ACCESSORIES

	Designation	Art. no.		Designation	Art. no.
	Nexis Soft-close adapter	F069073715			

PAGE REFERENCES

Nexis Click-on mounting plates	128	Assembly technology	193		
Technical information	134	Assembly aids	198		
Soft-close Click-on	152				

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 dia. 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 position		Crank	Spring	Material	Click-on		
					Screw-on		
Full overlay		0	■	Zamak/Steel	F015072820		
Half overlay		8	■	Zamak/Steel	F015072822		

COVER CAPS

	Designation	Personalisation (logo)	Colour	Suitable for cranking	Art. no.
	Hinge arm; Short; Steel; Left or right; Without Logo	Digital printing, Stamping	Nickel	0/-2/2/3/4/6/8/16/45	F069073570

ACCESSORIES

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

PAGE REFERENCES

Nexis Click-on mounting plates	128	Assembly technology	193		
Technical information	134	Assembly aids	198		
Soft-close Pin	158				

PLANNING INFORMATION

All dimensions in millimetres

Full overlay		K0	Half overlay		K8					
Mounting plate height 2			Mounting plate height 2							
Door overlay	Cup distance									
	0	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	3	4								
13	3	4								
Mounting plate height										
Door overlay	Cup distance									
	8	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										

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	5.5	4.2	3.5	2.2	1.7				
Minimum reveal (F)										

NOTICE

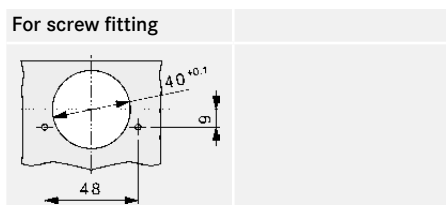
The minimum gap is the clearance required between the front edge of the cabinet and the closed door so that the door can be opened without hindrance.

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

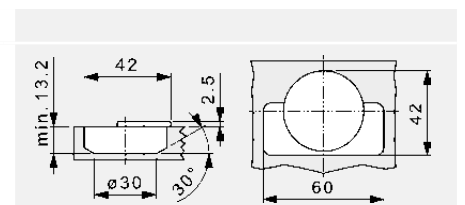
Hinge dimensions and reveal calculation with factory setting.

We recommend a trial fitting.

DRILLING PATTERNS



CUP DIMENSIONS



NEXIS CLICK-ON 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 position		Crank	Spring	Material	Click-on		
					Screw-on		
Half overlay		6	■	Zamak/Steel	F015072754		

COVER CAPS

	Designation	Personalisation (logo)	Colour	Suitable for cranking	Art. no.
	Hinge arm; Short; Steel; Left or right; Without Logo	Digital printing, Stamping	Nickel	0/-2/2/3/4/6/8/16/45	F069073570
	Hinge cup; Standard; Steel; Left or right; Without Logo		Nickel		F069073687

ACCESSORIES

	Designation	Art. no.
	Soft-close Pin	F069066528

	Designation	Art. no.
	Nexis Soft-close adapter	F069073715

PAGE REFERENCES

Nexis Click-on mounting plates	128	Soft-close Pin	158		
Technical information	134	Assembly technology	193		
Soft-close Click-on	152	Assembly aids	198		

PLANNING INFORMATION

All dimensions in millimetres

Half overlay

Mounting plate height 4

Mounting plate height 8

		Cup distance			
		3	4	5	6
Door overlay	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

		Cup distance			
		3	4	5	6
Door thickness	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

		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)			

NOTICE

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)


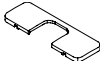


- For 45° angled cabinets
- 95° opening angle
- Optimal reveal for door thicknesses up to 30 mm
- Compatible with Soft-close
- 3-dimensional adjustment with corresponding mounting plate


ORDER INFORMATION

Door position		Crank	Spring	Material	Click-on Screw-on		
Inset		3	■	Zamak/Steel	F015072751		

COVER CAPS

	Designation	Personalisation (logo)	Colour	Suitable for cranking	Art. no.
	Hinge arm; Short; Steel; Left or right; Without Logo	Digital printing, Stamping	Nickel	0/-2/2/3/4/6/8/16/45	F069073570
	Hinge cup; Standard; Steel; Left or right; Without Logo		Nickel		F069073687

ACCESSORIES

	Designation	Art. no.		Designation	Art. no.
	Nexis Soft-close adapter	F069073715			

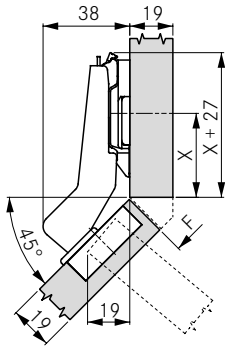
PAGE REFERENCES

Nexis Click-on mounting plates	128	Assembly technology	193		
Technical information	134	Assembly aids	198		
Soft-close Click-on	152				

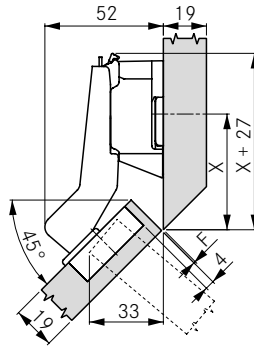
PLANNING INFORMATION

All dimensions in millimetres

Inset

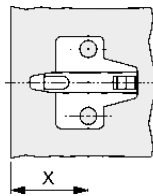


Mounting plate height 4



Mounting plate height 18

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



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

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)				

NOTICE

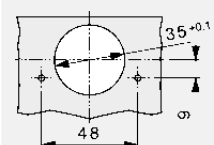
Important: Reveals were determined with a (door) edge radius of 1 mm.

Hinge dimensions and reveal calculation with factory setting.

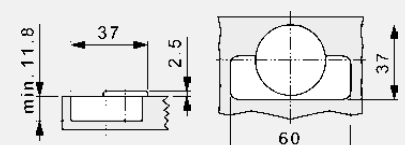
We recommend a trial fitting.

DRILLING PATTERNS

For screw fitting



CUP DIMENSIONS



NEXIS CLICK-ON 05/90/4

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
- 3-dimensional adjustment with corresponding mounting plate

ORDER INFORMATION

Door position	Spring	Material	Click-on	
			Press-fit	Screw-on
Inset	■	Zamak/Steel	F015072787	F015072788

COVER CAPS

	Designation	Personalisation (logo)	Colour	Suitable for cranking	Art. no.
	Hinge arm; Short; Steel; Left or right; Without Logo	Digital printing, Stamping	Nickel	0/-2/2/3/4/6/8/16/45	F069073570
	Hinge cup; Standard; Steel; Left or right; Without Logo		Nickel		F069073687

ACCESSORIES

	Designation	Art. no.		Designation	Art. no.
	Nexis Soft-close adapter	F069073715			

PAGE REFERENCES

Nexis Click-on mounting plates	128	Assembly technology	193		
Technical information	134	Assembly aids	198		
Soft-close Click-on	152				

PLANNING INFORMATION

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)				

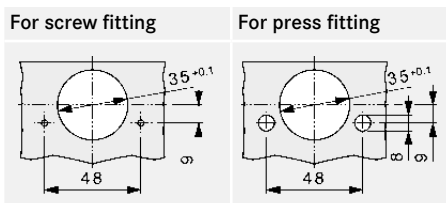
NOTICE

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

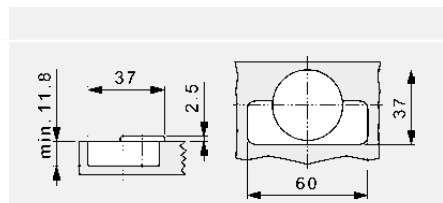
Hinge dimensions and reveal calculation with factory setting.

We recommend a trial fitting.

DRILLING PATTERNS



CUP DIMENSIONS




NEXIS CLICK-ON 29/-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


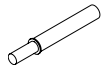
ORDER INFORMATION

Door position		Spring	Material	Click-on		
				Screw-on		
Half overlay		■	Zamak/Steel	F015072834		

COVER CAPS

	Designation	Personalisation (logo)	Colour	Suitable for cranking	Art. no.
	Short; Plastic; Left or right; Without Logo	Digital printing	Night	10	F069073534
	Hinge cup; Standard; Steel; Left or right; Without Logo		Nickel		F069073687

ACCESSORIES

	Designation	Art. no.		Designation	Art. no.
	Nexis Soft-close adapter	F069073715		Soft-close Pin	F069066528

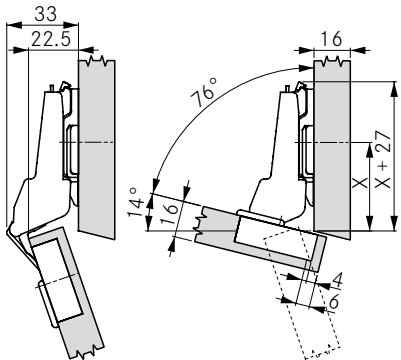
PAGE REFERENCES

Nexis Click-on mounting plates	128	Soft-close Pin	158		
Technical information	134	Assembly technology	193		
Soft-close Click-on	152	Assembly aids	198		

PLANNING INFORMATION

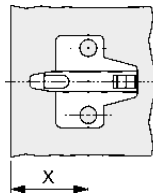
All dimensions in millimetres

Half overlay



Mounting plate height 2

	Cup distance				
	3	4	5	6	
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	
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					

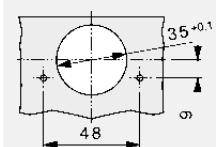
NOTICE

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.

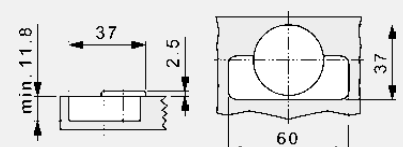
We recommend a trial fitting.

DRILLING PATTERNS

For screw fitting



CUP DIMENSIONS




NEXIS CLICK-ON 29/-24

-24° corner cabinet hinge


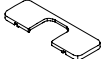


- For -24° angled cabinets
- 125° opening angle
- With self-closing mechanism (spring)
- 3-dimensional adjustment with corresponding mounting plate

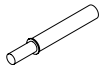
ORDER INFORMATION

Door position		Spring	Material	Click-on	Screw-on	
Half overlay		■	Zamak/Steel	F015072829		

COVER CAPS

	Designation	Personalisation (logo)	Colour	Suitable for cranking	Art. no.
	Hinge arm; Short; Steel; Left or right; Without Logo	Digital printing, Stamping	Nickel	0/-2/2/3/4/6/8/16/45	F069073570
	Hinge cup; Standard; Steel; Left or right; Without Logo		Nickel		F069073687

ACCESSORIES

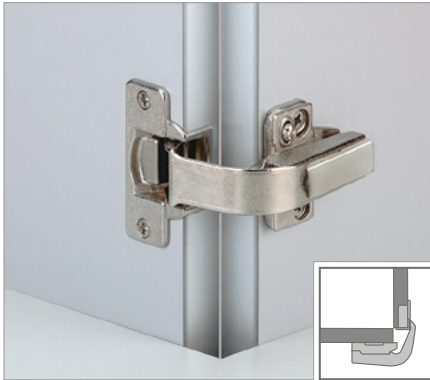
	Designation	Art. no.		Designation	Art. no.
	Soft-close Pin	F069066528			

PAGE REFERENCES

Nexis Click-on mounting plates	128	Assembly technology	193		
Technical information	134	Assembly aids	198		
Soft-close Pin	158				


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

Door position		Spring	Material	Click-on	Screw-on	
-		■	Zamak	F015072858		

COVER CAPS

	Designation	Personalisation (logo)	Colour	Suitable for cranking	Art. no.
	Hinge arm; Short; Steel; Left or right; Without Logo	Digital printing, Stamping	Nickel	0/-2/2/3/4/6/8/16/45	F069073570

PAGE REFERENCES

Nexis Click-on mounting plates	128	Assembly aids	198		
Technical information	134				
Assembly technology	193				

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 position		Crank	Spring	Material	Click-on		
					Screw-on		
Full overlay		0	■	Steel/plastic	F015072803		

COVER CAPS

	Designation	Personalisation (logo)	Colour	Suitable for cranking	Art. no.
	Hinge arm; Short; Steel; Left or right; Without Logo	Digital printing, Stamping	Nickel	0/-2/2/3/4/6/8/16/45	F069073570

DECOR PLATES

	Designation	Art. no.
	Nickel; Velour	F069073420
	Nickel; Polished; Eroded	F069073421
	Brass; Polished; Eroded	F069073422
	Silver; RAL 9006	F069073410

	Designation	Art. no.
	Nickel; Velour	F069073425
	Nickel; Polished; Eroded	F069073414

ACCESSORIES

	Designation	Art. no.
	Soft-close Pin	F069066528

	Designation	Art. no.

PAGE REFERENCES

Nexis Click-on mounting plates	128	Assembly technology	193		
Technical information	134	Assembly aids	198		
Soft-close Pin	158				

PLANNING INFORMATION

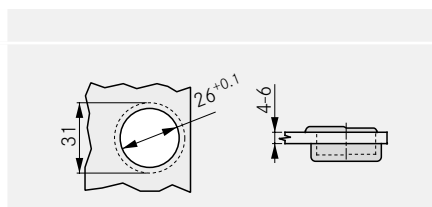
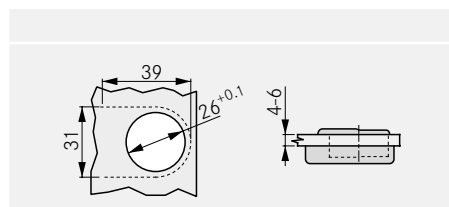
All dimensions in millimetres

Full overlay		K0			
Door overlay	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					

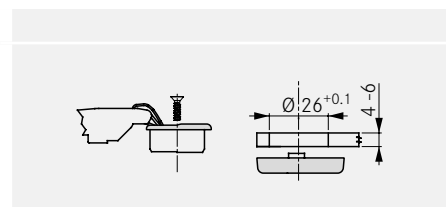
NOTICE

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

ORDER INFORMATION

Door position		Crank	Spring	Material	Click-on To stick		
Full overlay		0	■	Zamak	F015072861		
Half overlay		0	-	Zamak	F015072863		
Inset							

COVER CAPS

	Designation	Personalisation (logo)	Colour	Suitable for cranking	Art. no.
	Hinge arm; Short; Steel; Left or right; Without Logo	Digital printing, Stamping	Nickel	0/-2/2/3/4/6/8/16/45	F069073570

ACCESSORIES

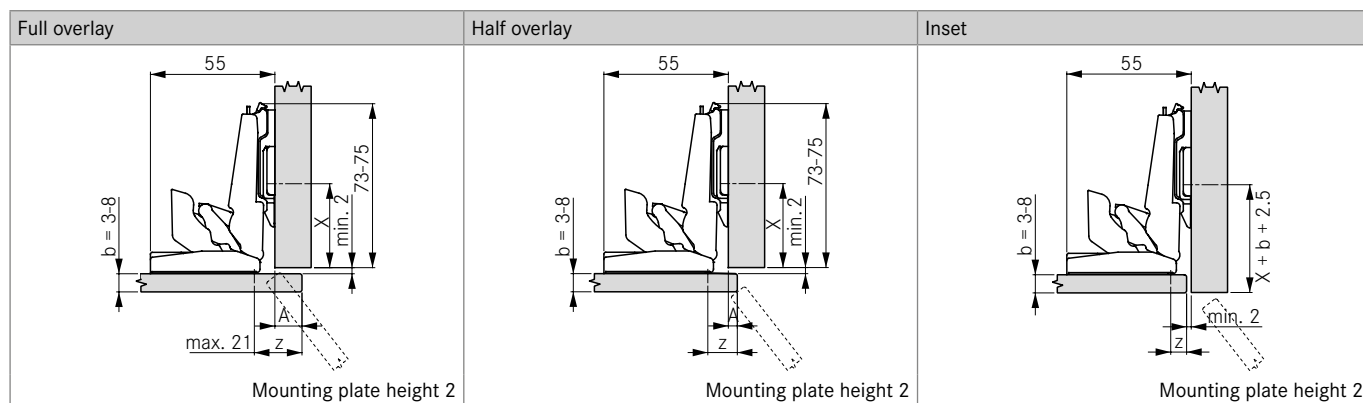
	Designation	Art. no.		Designation	Art. no.
	Tipmatic pin, short, Light grey	F069149392		Nexis Soft-close Mirro	F069073711
	Soft-close Pin	F069066528		Tiomos/Nexis Mirro Stainless steel adapter for mirrors	F069073731

PAGE REFERENCES

Nexis Click-on mounting plates	128	Soft-close Pin	158		
Technical information	134	Assembly technology	193		
Soft-close Mirro	156	Assembly aids	198		

PLANNING INFORMATION

All dimensions in millimetres



CROSS MOUNTING PLATE

LINEAR MOUNTING PLATE

STAINLESS STEEL ADAPTER

Hole spacing	Mounting plate height			
	0	2	4	
28	37	37	37	
37	46	46	46	

X Mounting plate position

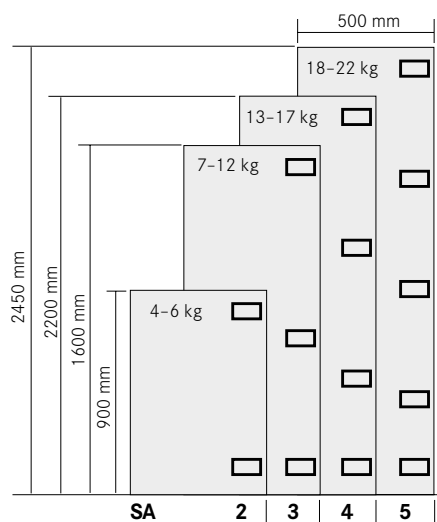
Hole spacing	Mounting plate height			
	0	2	4	
13.5	22.5	22.5	22.5	
22	31	31	31	

X Mounting plate position

z	Mounting plate height		
	0	2	4
z	A+7	A+9	A+11
A	max. 14	max. 12	max. 10

z = adhesive position

NUMBER OF HINGES



NOTICE

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.

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

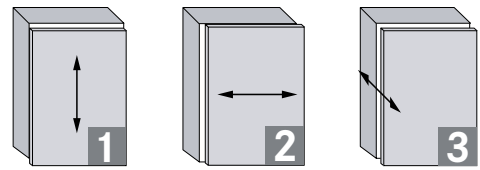
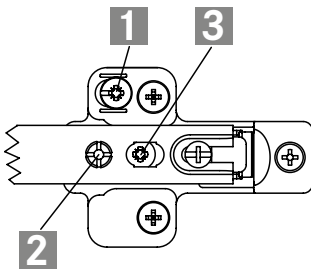
The inside edge of the door must not touch the cabinet when opened.

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.

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

NEXIS CLICK-ON

2D cross mounting plate



Height adjustment Side adjustment Depth adjustment
 ± 2 mm ± 1 – 3 mm ± 3 – 1 mm

All adjustments can be carried out independently of each other.

ORDER INFORMATION

NEXIS 2D CROSS MOUNTING PLATE, 3-POINT FIXING

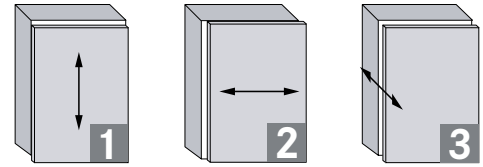
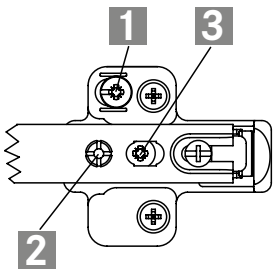
Description		37/32	Mounting plate height	Colour	Art. no.
<ul style="list-style-type: none"> Steel/Zamak Mounting with wood screws Fixing distance 37 mm Hole spacing 32 mm Height and depth adjustment via cam lock nut 			0	Nickel	F061073214
			2		F061073215
			4		F061073216
			8		F061073218

NEXIS 2D CROSS MOUNTING PLATE, 3-POINT FIXING

Description		37/32	Mounting plate height	Colour	Art. no.
<ul style="list-style-type: none"> Steel/zamak Fixing with pre-assembled Euro screws Mounting distance 37 mm Hole spacing 32 mm Height and depth adjustment via cam 			0	Nickel	F061073232
			2		F061073233
			4		F061073234

NEXIS CLICK-ON

2D cross mounting plate



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

NEXIS 2D CROSS MOUNTING PLATE, 2-POINT FIXING

Description		37/32	Mounting plate height	Colour	Art. no.
<ul style="list-style-type: none"> Steel/zamak Fixing with wood screws Mounting distance 37 mm Hole spacing 32 mm Height and depth adjustment via cam 			0	Nickel	F061073253
			2		F061073254
			4		F061073255
			6		F061073222
			8		F061073223

NEXIS 2D CROSS MOUNTING PLATE, 2-POINT FIXING

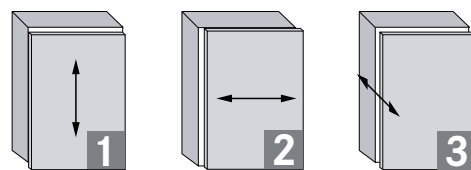
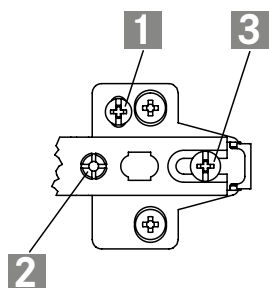
Description		37/32	Mounting plate height	Colour	Art. no.
<ul style="list-style-type: none"> Steel/zamak Fixing with Euro screws Mounting distance 37 mm Hole spacing 32 mm Height and depth adjustment via cam 			0	Nickel	F061073227
			4		F061073229

NEXIS 2D CROSS MOUNTING PLATE, 2-POINT FIXING

Description		37/32	Mounting plate height	Colour	Art. no.
<ul style="list-style-type: none"> 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	Nickel	F061073236
			2		F061073237
			4		F061073238
			6		F061073239
			8		F061073240

NEXIS CLICK-ON

2-piece cross mounting plate



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

NEXIS 2-PART CROSS MOUNTING PLATE, 3-POINT FIXING

Description		37/32	Mounting plate height	Colour	Art. no.
<ul style="list-style-type: none"> Steel/zamak Fixing with wood screws Mounting distance 37 mm Hole spacing 32 mm 			0	Nickel	F060073148
			2		F060073150
			4		F060073151
			8		F060073152
			18		F060073153

NEXIS 2-PART CROSS MOUNTING PLATE, 3-POINT FIXING

Description		37/32	Mounting plate height	Colour	Art. no.
<ul style="list-style-type: none"> Steel/zamak Fixing with Euro screws Mounting distance 37 mm Hole spacing 32 mm 			0	Nickel	F060073156
			2		F060073157
			4		F060073158
			8		F060073159

SPACER PLATE

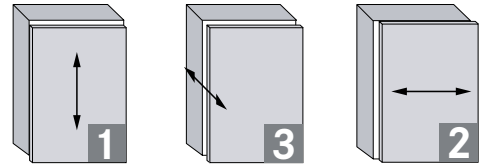
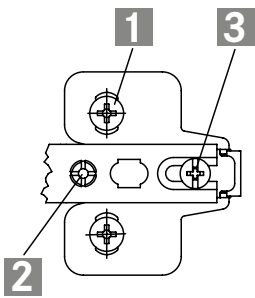
Description			Height	Colour	Art. no.
<ul style="list-style-type: none"> Plastic Stackable For 2-piece steel/zamak plates 			3 mm	Black	F069073764

NEXIS 2-PART CROSS MOUNTING PLATE, 3-POINT FIXING

Description		37/32	Mounting plate height	Colour	Art. no.
<ul style="list-style-type: none"> Steel/zamak Fixing with pre-assembled Euro screws Mounting distance 37 mm Hole spacing 32 mm 			0	Nickel	F060073171
			2		F060073172
			4		F060073173
			18		F060073175

NEXIS CLICK-ON

1-piece mounting plate



Height adjustment +/- 2 mm Depth adjustment +3/-1 mm Side adjustment +1/-3 mm

All adjustments can be carried out independently of each other.

ORDER INFORMATION

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

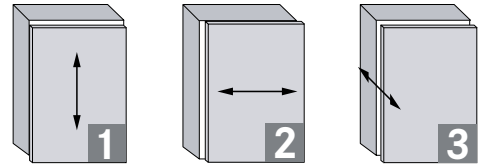
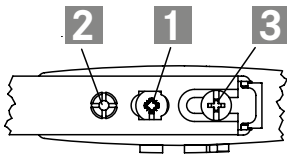
Description		28/32	Mounting plate height	Colour	Art. no.
<ul style="list-style-type: none"> Steel Fixing with wood screws Mounting distance 28 mm Hole spacing 32 mm Height adjustment by means of slot 			2	Nickel	F060073140

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

Description		28/32	Mounting plate height	Colour	Art. no.
<ul style="list-style-type: none"> Steel Fixing with pre-assembled Euro screws Mounting distance 28 mm Hole spacing 32 mm Height adjustment by means of slot 			0	Nickel	F060073162
			2		F060073163
			4		F060073164

NEXIS CLICK-ON

Angled cross mounting plate/ 1D linear mounting plate



Height adjustment ± 2 mm Side adjustment $\pm 1/3$ mm Depth adjustment $\pm 3/1$ mm

All adjustments can be carried out independently of each other.

ORDER INFORMATION

NEXIS 1D LINEAR MOUNTING PLATE, 2-POINT FIXING

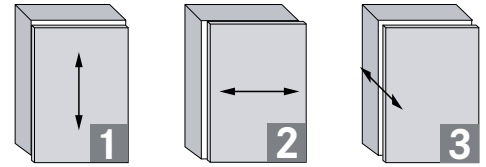
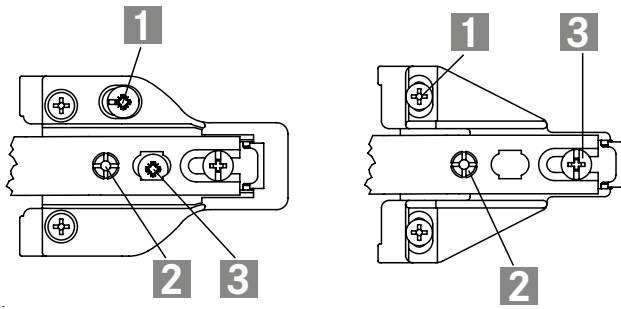
Description		13,5/32	Mounting plate height	Colour	Art. no.
<ul style="list-style-type: none"> Steel/zamak Fixing with wood screws Height adjustment via cam 			0	Nickel	F060073129
			2		F060073130
			4		F060073205

NEXIS 1D LINEAR MOUNTING PLATE, 2-POINT FIXING

Description		13,5/32	Mounting plate height	Colour	Art. no.
<ul style="list-style-type: none"> Steel/zamak Fixing with 10 mm dowels Height adjustment via cam 			3	Nickel	F060073210

NEXIS CLICK-ON

Special mounting plate



Height adjustment ± 2 mm
 Side adjustment $\pm 1-3$ mm
 Depth adjustment $\pm 3-1$ mm

All adjustments can be carried out independently of each other.

ORDER INFORMATION

NEXIS 2D SPECIAL MOUNTING PLATE FOR FRAME CONSTRUCTION

Description		10/32	Mounting plate height	Colour	Art. no.
<ul style="list-style-type: none"> Steel/zamak Fixing with pre-assembled wood screws Height and depth adjustment via cam 			4	Nickel	F061073285

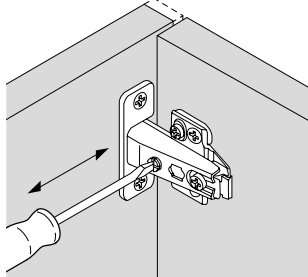
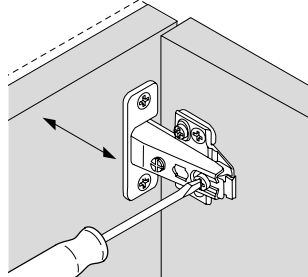
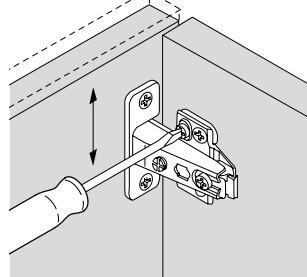
NEXIS 2D SPECIAL MOUNTING PLATE FOR FRAME CONSTRUCTION

Description		10/32	Mounting plate height	Colour	Art. no.
<ul style="list-style-type: none"> Steel/zamak Fixing with wood screws Height and depth adjustment via cam 			0	Nickel	F061073279
			2		F061073280
			4		F061073281

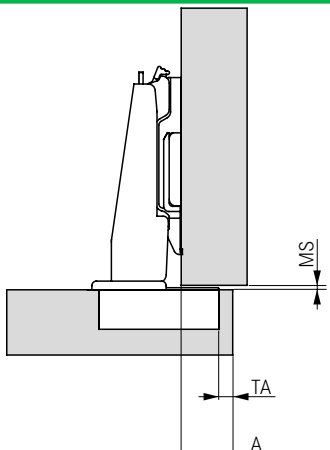
NEXIS SPECIAL MOUNTING PLATE FOR FRAME CONSTRUCTION

Description		10/36	Mounting plate height	Colour	Art. no.
<ul style="list-style-type: none"> Zamak Fixing with wood screws Height adjustment by means of slot 			0	Nickel	F061073275
			2		F061073276
			4		F061073277

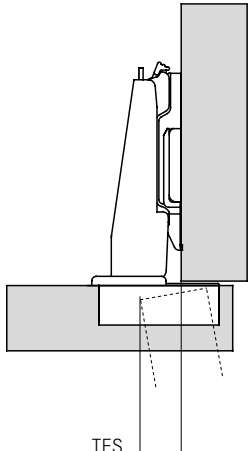
ADJUSTMENTS

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																																																																
<p>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.</p> <p>The cup distance (TA) is the distance between the door edge and the edge of the cup hole.</p> 	<p>With a door thickness of 26 mm and a cup distance of 6 mm, the minimum gap is 0.7 mm.</p> <table border="1"> <thead> <tr> <th rowspan="2">Door thickness</th> <th colspan="4">Cup distance</th> <th rowspan="2">Minimum gap</th> </tr> <tr> <th>3</th> <th>4</th> <th>5</th> <th>6</th> </tr> </thead> <tbody> <tr><td>16</td><td>0.5</td><td>0.5</td><td>0.5</td><td>0.5</td><td></td></tr> <tr><td>18</td><td>0.5</td><td>0.5</td><td>0.5</td><td>0.5</td><td></td></tr> <tr><td>19</td><td>0.5</td><td>0.5</td><td>0.5</td><td>0.5</td><td></td></tr> <tr><td>20</td><td>0.0</td><td>0.0</td><td>0.0</td><td>0.5</td><td></td></tr> <tr><td>22</td><td>0.5</td><td>0.5</td><td>0.5</td><td>0.5</td><td></td></tr> <tr><td>24</td><td>0.5</td><td>0.5</td><td>0.5</td><td>0.5</td><td></td></tr> <tr><td>26</td><td>0.5</td><td>0.5</td><td>0.5</td><td>0.7</td><td></td></tr> <tr><td>28</td><td>0.5</td><td>0.5</td><td>0.5</td><td>0.9</td><td></td></tr> <tr><td>30</td><td>0.5</td><td>0.5</td><td>1.1</td><td>1.1</td><td></td></tr> </tbody> </table>	Door thickness	Cup distance				Minimum gap	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	
Door thickness	Cup distance				Minimum gap																																																												
	3	4	5	6																																																													
16	0.5	0.5	0.5	0.5																																																													
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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																																																													

DOOR PROTRUSION/DOOR OVERLAY

Door protrusion	Door overlay																																																																
<p>The door protrusion (TES) is obtained when the door is open and varies depending on the hinge type and stop type.</p> <p>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.</p> 	<p>The door overlay (A) is the part of the sidewall or frame that is covered by the door.</p> <p>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.</p> <table border="1"> <thead> <tr> <th rowspan="2">Door overlay</th> <th colspan="4">Cup distance</th> <th rowspan="2">Mounting plate height</th> </tr> <tr> <th>3</th> <th>4</th> <th>5</th> <th>6</th> </tr> </thead> <tbody> <tr><td>8</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>11</td><td></td><td></td><td></td><td>0</td><td></td></tr> <tr><td>10</td><td></td><td></td><td>0</td><td></td><td></td></tr> <tr><td>9</td><td></td><td>0</td><td></td><td></td><td></td></tr> <tr><td>8</td><td>0</td><td></td><td>2</td><td>3</td><td></td></tr> <tr><td>7</td><td></td><td>2</td><td>3</td><td>4</td><td></td></tr> <tr><td>6</td><td>2</td><td>3</td><td>4</td><td></td><td></td></tr> <tr><td>5</td><td>3</td><td>4</td><td></td><td></td><td></td></tr> <tr><td>4</td><td>4</td><td></td><td></td><td></td><td></td></tr> </tbody> </table>	Door overlay	Cup distance				Mounting plate height	3	4	5	6	8						11				0		10			0			9		0				8	0		2	3		7		2	3	4		6	2	3	4			5	3	4				4	4				
Door overlay	Cup distance				Mounting plate height																																																												
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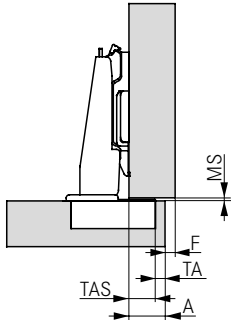
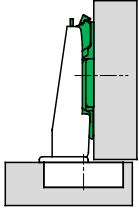
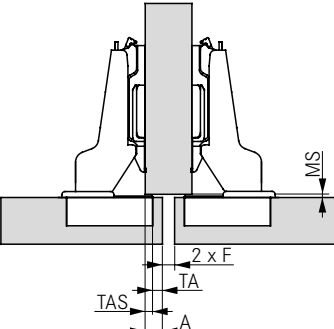
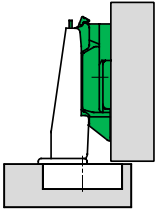
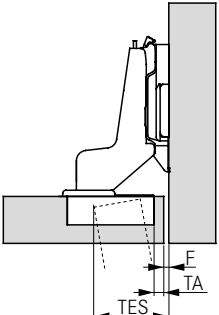
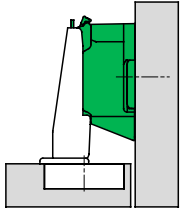
LEGEND

A	Door overlay	TA	Cup distance
F	Reveal	TES	Door protrusion
MS	Minimum gap		
SA	Number of hinges		

NEXIS CLICK-ON

Technical information

OPTION TO CHANGE THE DOOR OVERLAY

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

PAGE REFERENCES

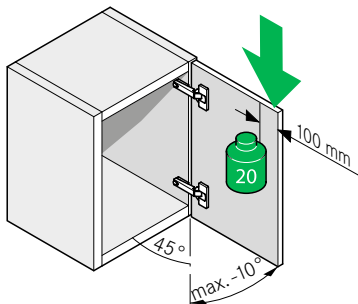
Nexis Click-on	98	Assembly aids	198	
Nexis Click-on mounting plates	128			
Assembly technology	193			

TEST CRITERIA FOR HINGES

Functional test

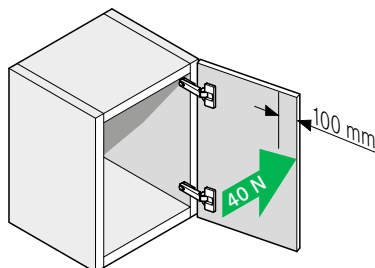
Static load, vertical

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



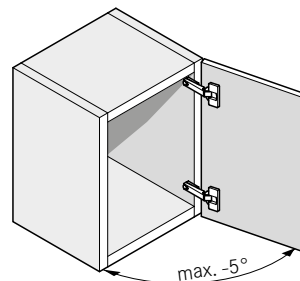
Static load horizontal

Force: 40 N
Number: 10



Endurance test

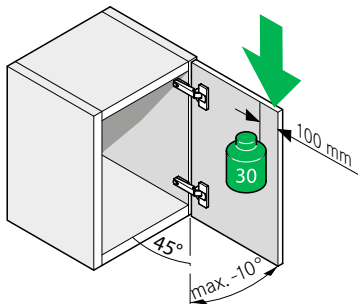
Opening angle: max. -5°
Opening and closing movements: 100,000



Overload test

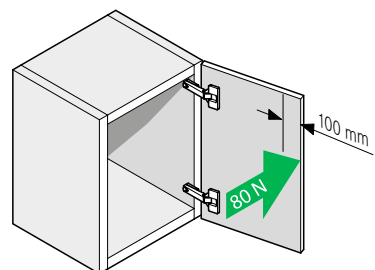
Vertical

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



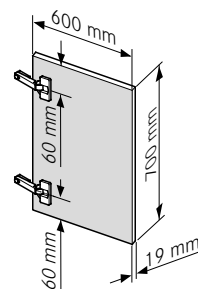
Horizontal

Force: 80 N
Number: 10



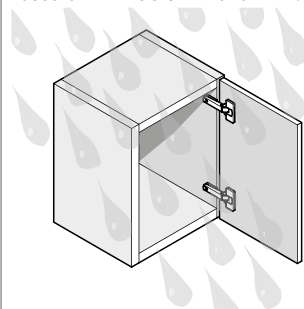
Test door

Weight approx. 5.2 kg



Salt spray and humidity test

Based on DIN ISO 9227 and DIN 6270-2



LEGEND

- A Door overlay
- F Reveal
- MS Minimum gap
- SA Number of hinges

- TA Cup distance
- TES Door protrusion

Single-joint hinges
with Slide-on technology.

Nexis Slide-on.

grass.eu

Slide-on hinges enable impressively efficient installation: They are attached to the cabinet via mounting plates with standard 37/32 hole spacing. The practical Slide-on technology means you can simply push the door onto the mounting plates and fix it in place with a screw. This is particularly beneficial for tall doors with multiple hinges.



FOLLOW US



Nexis Slide-on single-joint hinges are also available for rebated doors with door thicknesses from 14 to 21 mm.


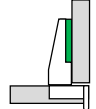

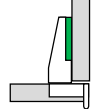
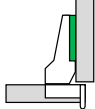

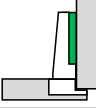
The external roller enables an especially wide opening angle, ensuring optimal access to the cabinet contents. This makes the Nexis Slide-on hinge the perfect choice for offices and buildings.

**Efficient
and practical.**



Nexis Slide-on Single-Joint Hinges

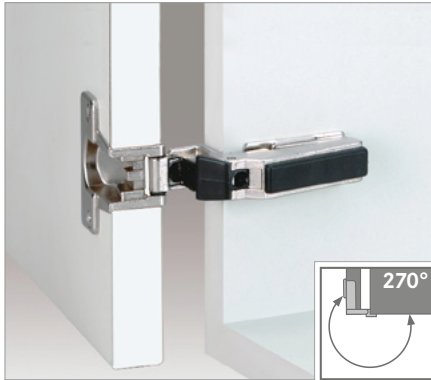
Practical single-joint hinges for installation on the cabinet side with classic Slide-on technology. Three-dimensional adjustment.

Opening angle		Description	Full overlay	Half overlay	Page
270°		Nexis Slide-on 70 <ul style="list-style-type: none"> • Cup diameter 30 mm • For door thicknesses from 15 to 21 mm • With a wide opening angle • With hold-closed function 		-	140
270°		Nexis Slide-on 73 <ul style="list-style-type: none"> • For door thicknesses from 15 to 21 mm • With a wide opening angle • With hold-closed function 			142
180°		Nexis Slide-on 80 <ul style="list-style-type: none"> • For door thicknesses from 14 to 21 mm • With a wide opening angle • With hold-closed function 		-	144

Nexis Slide-on mounting plates	146
Technical information	148

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 position		Tumbler	Suitable for min./max. door thickness	Material	Slide-on		
					Screw-on		
Full overlay		■	15-21 mm	Zamak	F016073088		
		■	15-18 mm	Zamak	F016073090		

COVER CAPS

	Designation	Personalisation (logo)	Colour	Suitable for cranking	Art. no.
	Hinge arm; Short; Steel; Left or right; Without Logo	Digital printing, Stamping	Nickel	0/-2/2/3/4/6/8/16/45	F069073570

ACCESSORIES

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

PAGE REFERENCES

Nexis Slide-on mounting plates	146	Assembly technology	193		
Technical information	148	Assembly aids	198		
Soft-close Pin	158				

PLANNING INFORMATION

All dimensions in millimetres

Full overlay (TS 15-21)

Mounting plate height 0

Full overlay (TS 15-18)

Mounting plate height 0

	Cut-out depth (x)					
	0	7				
16		0				
15						
14		2				
13		3				
12		4				
11						
10						
9						
8	2					
7	3					
6	4					
Door overlay	Mounting plate height					

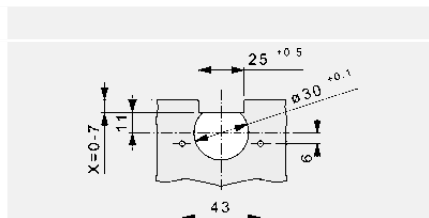
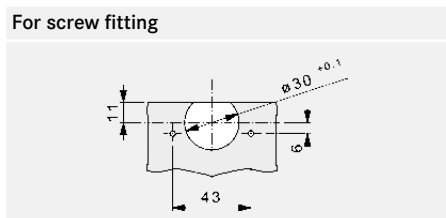
NOTICE

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

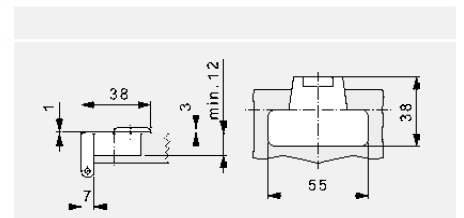
Hinge dimensions and reveal calculation with factory setting.

We recommend a trial fitting.

DRILLING PATTERNS

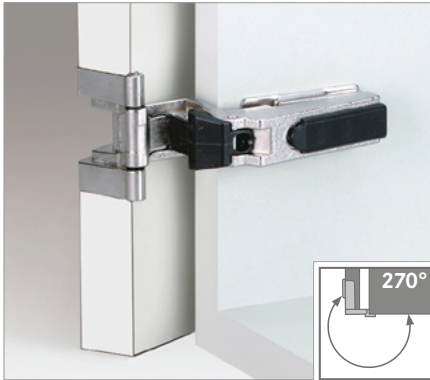


CUP DIMENSIONS



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 position		Crank	Tumbler	Suitable for min./max. door thickness	Material	Slide-on		
						Screw-on		
Full overlay		0	■	15-21 mm	Zamak	F016073084		
Half overlay		8	■	15-21 mm	Zamak	F016073095		

COVER CAPS

	Designation	Personalisation (logo)	Colour	Suitable for cranking	Art. no.
	Hinge arm; Short; Steel; Left or right; Without Logo	Digital printing, Stamping	Nickel	0/-2/2/3/4/6/8/16/45	F069073570

ACCESSORIES

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

PAGE REFERENCES

Nexis Slide-on mounting plates	146	Assembly technology	193		
Technical information	148	Assembly aids	198		
Soft-close Pin	158				

PLANNING INFORMATION

All dimensions in millimetres

Full overlay K0								Half overlay K8									
<p>Mounting plate height 0</p>								<p>Mounting plate height 0</p>									
Door overlay	0	Cut-out depth (x)							Door overlay	8	Cut-out depth (x)						
	16	6	5	4	3	2	1	0		8	6	5	4	3	2	1	0
	15	0								7	0						
	14	2		0						6	2		0				
	13	3	2		0					5	3	2		0			
	12	4	3	2		0				4	4	3	2		0		
	11		4	3	2		0			3		4	3	2		0	
	10			4	3	2		0		2			4	3	2		0
	9				4	3	2			1				4	3	2	
	8					4	3	2									
7						4	3										
6							4										
Mounting plate height								Mounting plate height									

NOTICE

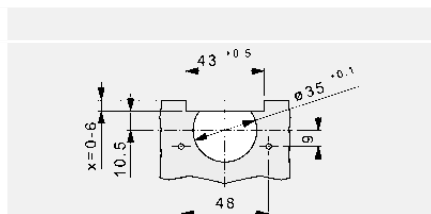
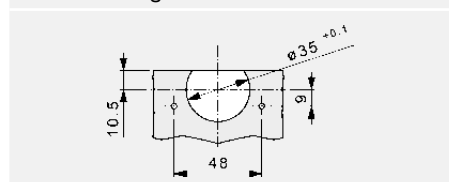
Important: Reveals were determined with a (door) edge radius of 1 mm.

Hinge dimensions and reveal calculation with factory setting.

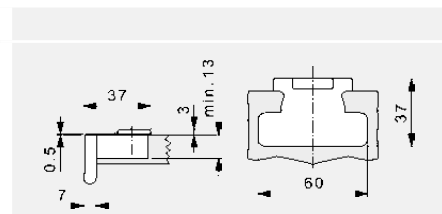
We recommend a trial fitting.

DRILLING PATTERNS

For screw fitting



CUP DIMENSIONS



NEXIS 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

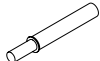
ORDER INFORMATION

Door position		Tumbler	With or- namental roles	Form	Colour	Material	Slide-on		
							Screw-on		
Overlay		■	-	-	Nickel	Zamak	F016073099		

COVER CAPS

	Designation	Personalisation (logo)	Colour	Suitable for cranking	Art. no.
	Hinge arm; Short; Steel; Left or right; Without Logo	Digital printing, Stamping	Nickel	0/-2/2/3/4/6/8/16/45	F069073570

ACCESSORIES

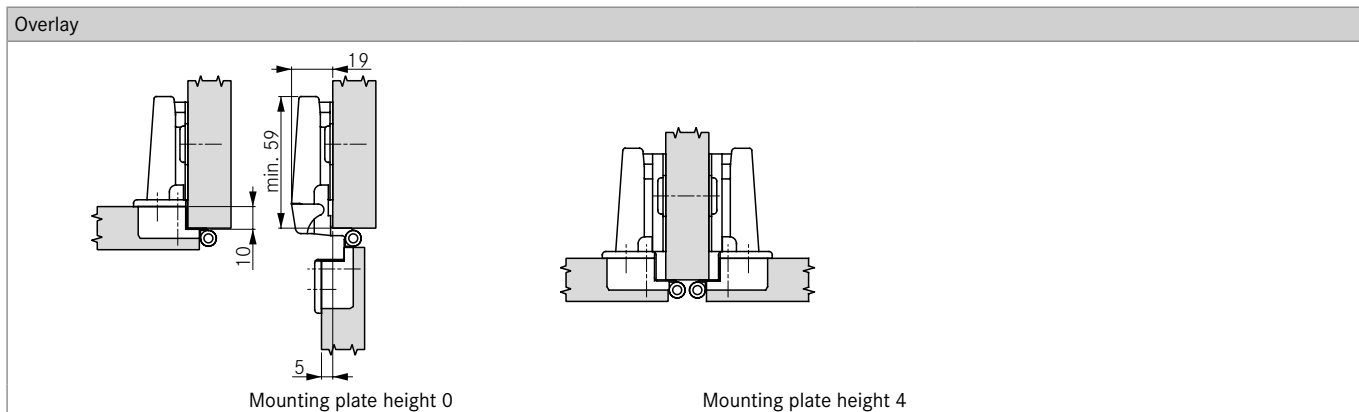
	Designation	Art. no.		Designation	Art. no.
	Soft-close Pin	F069066528			

PAGE REFERENCES

Nexis Slide-on mounting plates	146	Assembly technology	193		
Technical information	148	Assembly aids	198		
Soft-close Pin	158				

PLANNING INFORMATION

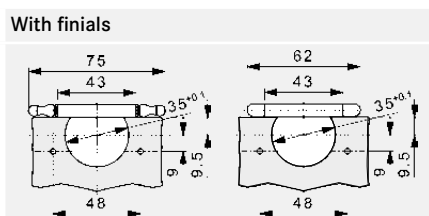
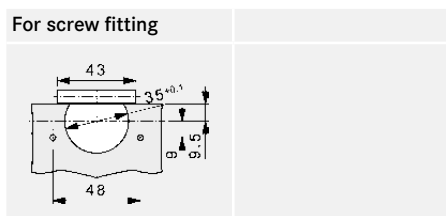
All dimensions in millimetres



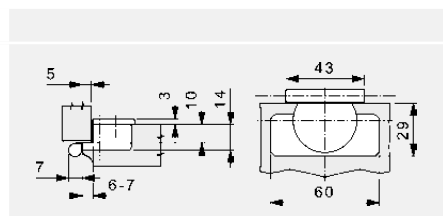
NOTICE

We recommend a trial fitting.

DRILLING PATTERNS

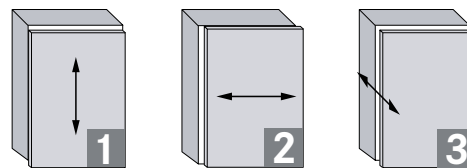
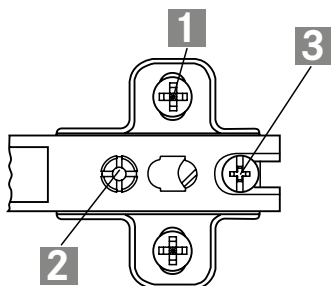


CUP DIMENSIONS



NEXIS SLIDE-ON

Cross 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

NEXIS CROSS MOUNTING PLATE, 2-POINT FIXING

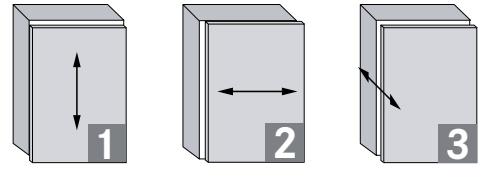
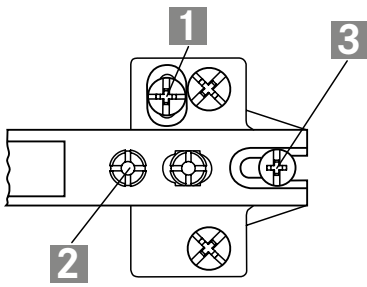
Description		37/32	Mounting plate height	Colour	Art. no.
<ul style="list-style-type: none"> • Steel • Fixing with wood screws • Mounting distance 37 mm • Hole spacing 32 mm 			0	Nickel	F062073298
			2		F062073299
			4		F062073300

NEXIS CROSS MOUNTING PLATE, 2-POINT FIXING

Description		37/32	Mounting plate height	Colour	Art. no.
<ul style="list-style-type: none"> • Steel • Fixing with pre-assembled Euro screws • Mounting distance 37 mm • Hole spacing 32 mm 			0	Nickel	F062073316
			2		F062073317
			4		F062073318

NEXIS SLIDE-ON

2-piece cross mounting plates



Height adjustment Side adjustment Depth adjustment
 +/-2 mm +/-3 mm +/-3 mm

All adjustments can be carried out independently of each other.

ORDER INFORMATION

NEXIS 2-PART CROSS MOUNTING PLATE, 3-POINT FIXING

Description		37/32	Mounting plate height	Colour	Art. no.
<ul style="list-style-type: none"> • Steel/zamak • Fixing with wood screws • Mounting distance 37 mm • Hole spacing 32 mm 			0	Nickel	F062073301
			2		F062073302

NEXIS 2-PART CROSS MOUNTING PLATE, 3-POINT FIXING

Description		37/32	Mounting plate height	Colour	Art. no.
<ul style="list-style-type: none"> • Steel/zamak • Fixing with Euro screws • Mounting distance 37 mm • Hole spacing 32 mm 			0	Nickel	F062073307

NEXIS SLIDE-ON

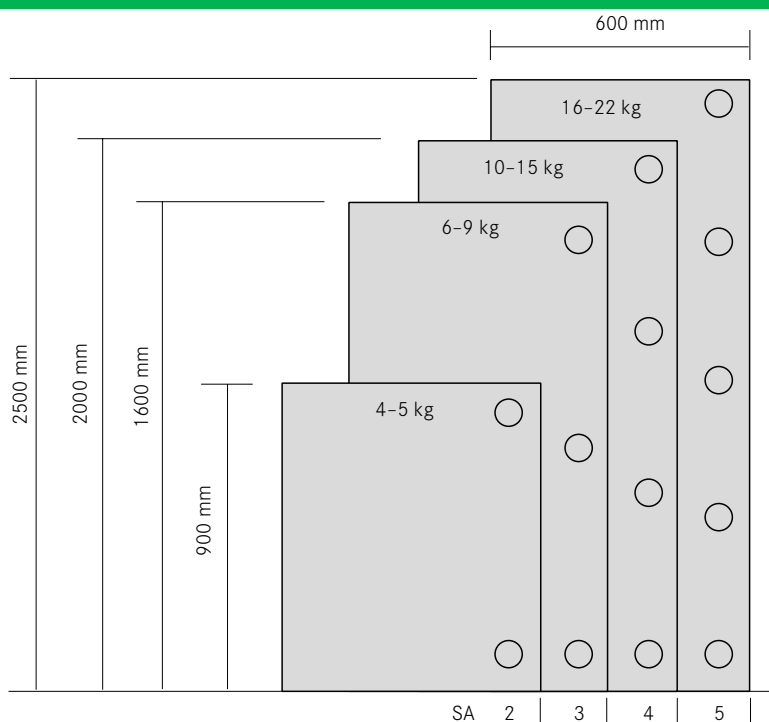
Technical information

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 dia. 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.



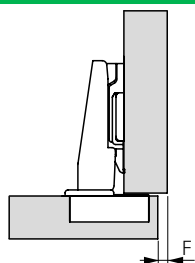
DOOR REVEAL/MINIMUM REVEAL

Description

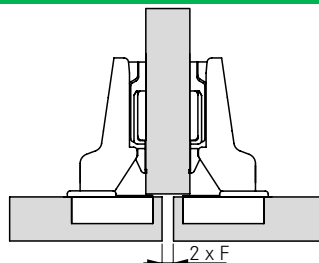
The reveal is the distance between two doors or between the door and the cabinet side.

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.

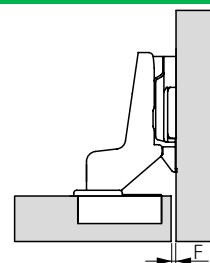
Full door overlay



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.

Door thickness	Cup distance				6		
	3	4	5	6			
16	0.1	0.1	0.1	0.1			
18	0.2	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:

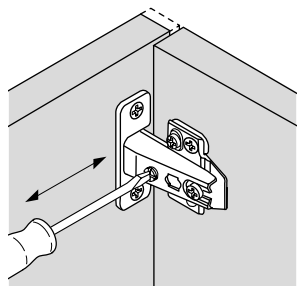
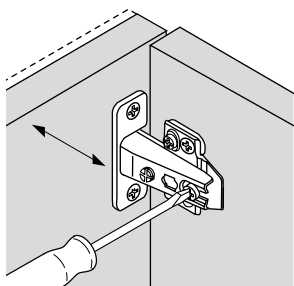
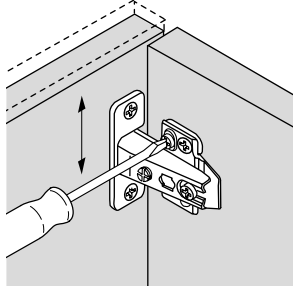
With a cup distance of 4 mm and a mounting plate height of 4 mm, there is a reveal of 2 mm.

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

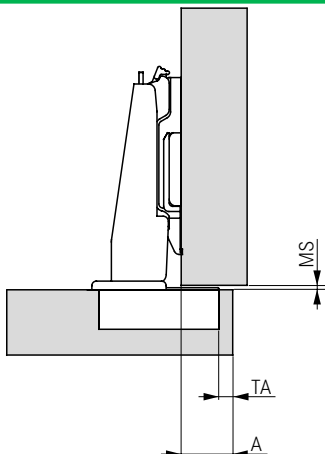
PAGE REFERENCES

Nexis Slide-on	139	Assembly aids	198		
Nexis Slide-on mounting plates	146				
Assembly technology	193				

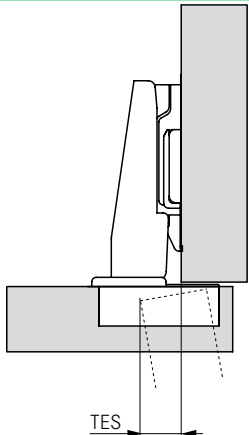
ADJUSTMENTS

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																																																																																	
<p>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.</p> <p>The cup distance (TA) is the distance between the door edge and the edge of the cup hole.</p> 	<p>With a door thickness of 26 mm and a cup distance of 6 mm, the minimum gap is 0.7 mm.</p> <table border="1"> <thead> <tr> <th rowspan="2">Door thickness</th> <th colspan="4">Cup distance</th> <th rowspan="2"></th> <th rowspan="2"></th> </tr> <tr> <th>3</th> <th>4</th> <th>5</th> <th>6</th> </tr> </thead> <tbody> <tr> <td>16</td> <td>0.5</td> <td>0.5</td> <td>0.5</td> <td>0.5</td> <td></td> <td></td> </tr> <tr> <td>18</td> <td>0.5</td> <td>0.5</td> <td>0.5</td> <td>0.5</td> <td></td> <td></td> </tr> <tr> <td>19</td> <td>0.5</td> <td>0.5</td> <td>0.5</td> <td>0.5</td> <td></td> <td></td> </tr> <tr> <td>20</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> <td>0.5</td> <td></td> <td></td> </tr> <tr> <td>22</td> <td>0.5</td> <td>0.5</td> <td>0.5</td> <td>0.5</td> <td></td> <td></td> </tr> <tr> <td>24</td> <td>0.5</td> <td>0.5</td> <td>0.5</td> <td>0.5</td> <td></td> <td></td> </tr> <tr> <td>26</td> <td>0.5</td> <td>0.5</td> <td>0.5</td> <td>0.7</td> <td></td> <td></td> </tr> <tr> <td>28</td> <td>0.5</td> <td>0.5</td> <td>0.5</td> <td>0.9</td> <td></td> <td></td> </tr> <tr> <td>30</td> <td>0.5</td> <td>0.5</td> <td>1.1</td> <td>1.1</td> <td></td> <td></td> </tr> <tr> <td colspan="4"></td> <td>Minimum gap</td> <td></td> <td></td> </tr> </tbody> </table>	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		
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				Minimum gap																																																																														

DOOR PROTRUSION/DOOR OVERLAY

Door protrusion	Door overlay																																																																																	
<p>The door protrusion (TES) is obtained when the door is open and varies depending on the hinge type and stop type.</p> <p>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.</p> 	<p>The door overlay (A) is the part of the sidewall or frame that is covered by the door.</p> <p>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.</p> <table border="1"> <thead> <tr> <th rowspan="2">Door overlay</th> <th colspan="4">Cup distance</th> <th rowspan="2"></th> <th rowspan="2"></th> </tr> <tr> <th>3</th> <th>4</th> <th>5</th> <th>6</th> </tr> </thead> <tbody> <tr> <td>8</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>11</td> <td></td> <td></td> <td></td> <td>0</td> <td></td> <td></td> </tr> <tr> <td>10</td> <td></td> <td></td> <td>0</td> <td></td> <td></td> <td></td> </tr> <tr> <td>9</td> <td></td> <td>0</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>8</td> <td>0</td> <td></td> <td>2</td> <td>3</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> </tr> <tr> <td>6</td> <td>2</td> <td>3</td> <td>4</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> </tr> <tr> <td>4</td> <td>4</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="4"></td> <td>Mounting plate height</td> <td></td> <td></td> </tr> </tbody> </table>	Door overlay	Cup distance						3	4	5	6	8							11				0			10			0				9		0					8	0		2	3			7		2	3	4			6	2	3	4				5	3	4					4	4										Mounting plate height		
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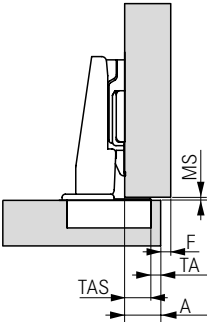
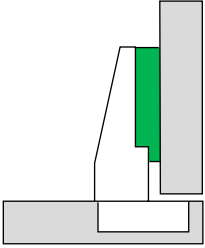
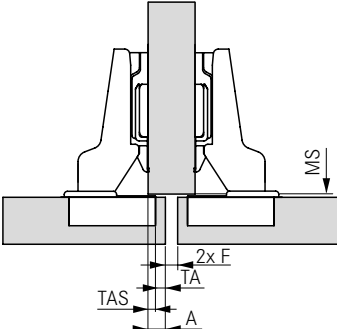
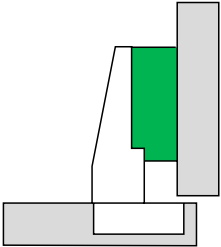
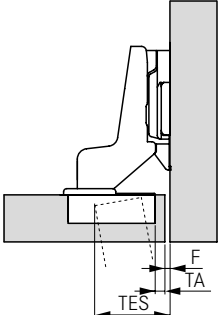
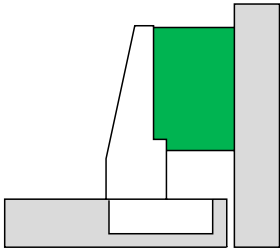
LEGEND

A	Door overlay	TA	Cup distance
F	Reveal	TES	Door protrusion
MS	Minimum gap		
SA	Number of hinges		

NEXIS SLIDE-ON

Technical information

OPTION TO CHANGE THE DOOR OVERLAY

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

PAGE REFERENCES

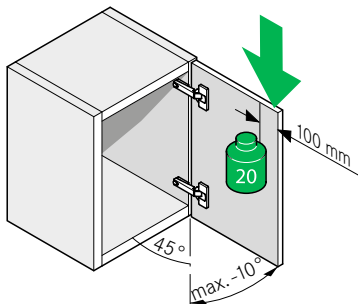
Nexis Slide-on	139	Assembly aids	198		
Nexis Slide-on mounting plates	146				
Assembly technology	193				

TEST CRITERIA FOR HINGES

Functional test

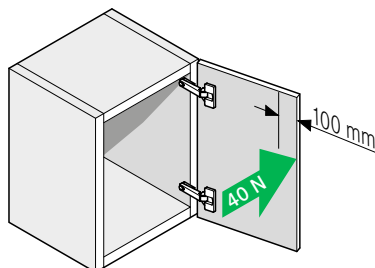
Static load, vertical

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



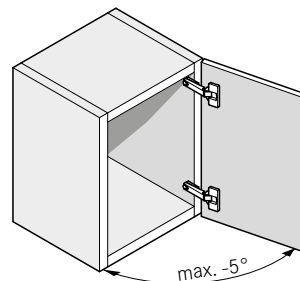
Static load horizontal

Force: 40 N
Number: 10



Endurance test

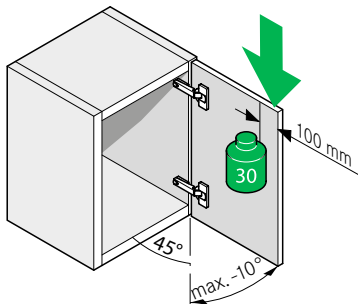
Opening angle: max. -5°
Opening and closing movements: 100,000



Overload test

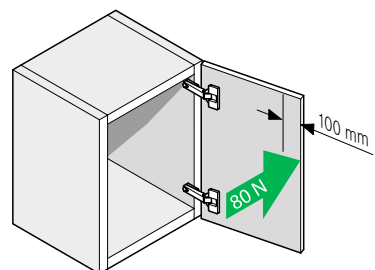
Vertical

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



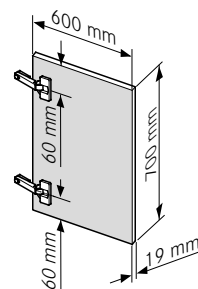
Horizontal

Force: 80 N
Number: 10



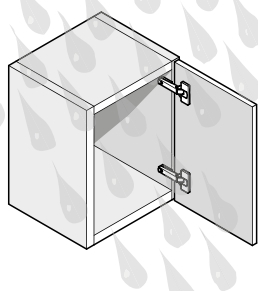
Test door

Weight approx. 5.2 kg



Salt spray and humidity test

Based on DIN ISO 9227 and DIN 6270-2



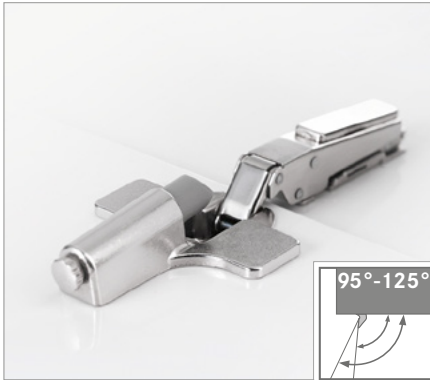
LEGEND

A Door overlay
F Reveal
MS Minimum gap
SA Number of hinges

TA Cup distance
TES Door protrusion

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

NEXIS SOFT-CLOSE ADAPTER

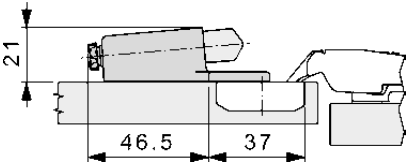
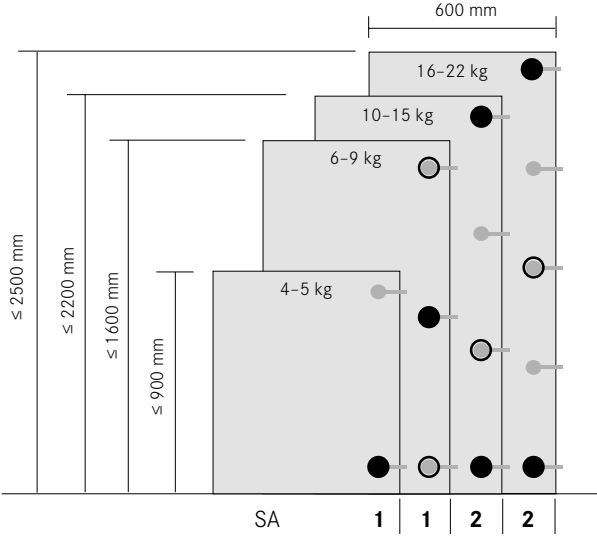
Description			Art. no.
<ul style="list-style-type: none"> • Soft-close adapter incl. pre-assembled Soft-close damper for Nexis Click-on hinges 			F069073715








PAGE REFERENCES

Nexis Click-on	98	Assembly aids	198		
Nexis Slide-on	139				
Assembly technology	193				

PLANNING INFORMATION

All dimensions in millimetres

Dimensions	Position for Soft-close Click-on
	 <p>● Recommended position for Soft-close Click-on ○ Position for additional Soft-close Click-on (if required)</p>

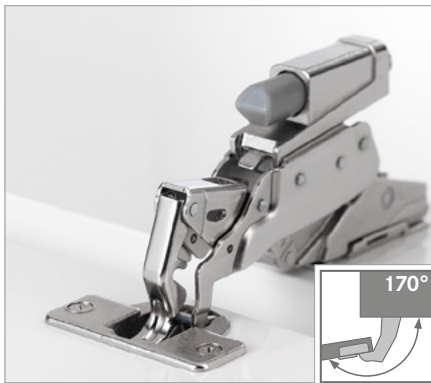
Assembly	Soft-close Click-on - quick and easy to use
<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%; text-align: center;"> <p>1</p>  </div> <div style="width: 33%; text-align: center;"> <p>2</p>  </div> <div style="width: 33%; text-align: center;"> <p>3</p>  </div> <div style="width: 33%; text-align: center;"> <p>4</p>  </div> <div style="width: 33%; text-align: center;"> <p>5</p>  </div> <div style="width: 33%; text-align: center;"> <p>6</p>  </div> <div style="width: 100%; text-align: center; margin-top: 10px;">  </div> </div>	<p>Soft-close Click-on - quick and easy to use</p> <ol style="list-style-type: none"> 1 With hinges of cranking 0, remove hinge arm cover cap (if present). 2 Insert the Soft-close Click-on adapter into the recesses in the hinge housing 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 housing cover (supplied in the set) for the hinge without Soft-close Click-on or Slide-on ensures a uniform appearance. <p>Notice</p> <p>When installing the furniture fittings, the specifications of GRASS from the applicable sales literature must be observed precisely, otherwise no liability will be assumed.</p> <p>If you require further information on installation and assembly, please contact one of our factories directly.</p> <p>Thank you for your understanding.</p>

LEGEND

SA	Number of hinges	
----	------------------	--

170° SOFT-CLOSE

For Nexis wide-angle hinges 170°



- For Nexis Click-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

NEXIS 170° SOFT-CLOSE

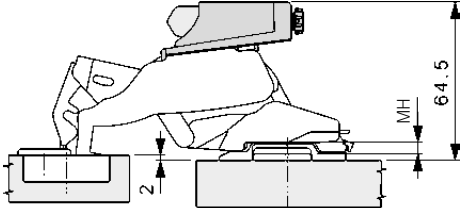
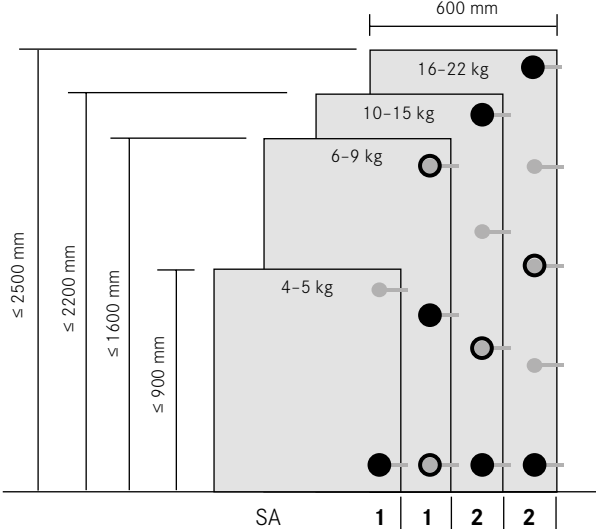
Description			Art. no.
<ul style="list-style-type: none"> • Soft-close adapter for Nexis Click-on 170° wide-angle hinges with pre-assembled Soft-close damper 			F069073729



PAGE REFERENCES

Nexis Click-on	98	Assembly aids	198		
Nexis Slide-on	139				
Assembly technology	193				

PLANNING INFORMATION

All dimensions in millimetres

Dimensions	Position for 170° Click-on
 <p>Drawing with mounting plate height 2</p>	 <p>● Recommended position for Soft-close 170° ○ Position for additional Soft-close 170° (if required)</p>

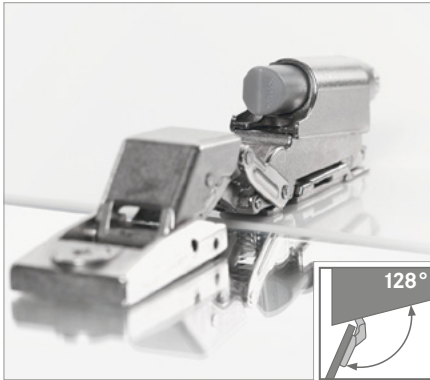
Assembly	170° Soft-close - quick and easy to use
<p>1 </p> <p>2 </p>	<p>1 Insert the 170° Soft-close adapter into the recesses on the hinge arm at a slight angle with the two small hooks on the bottom. 2 Push down the adapter until it engages with an audible „click“.</p> <p>Notice</p> <p>When installing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

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

NEXIS SOFT-CLOSE MIRRO

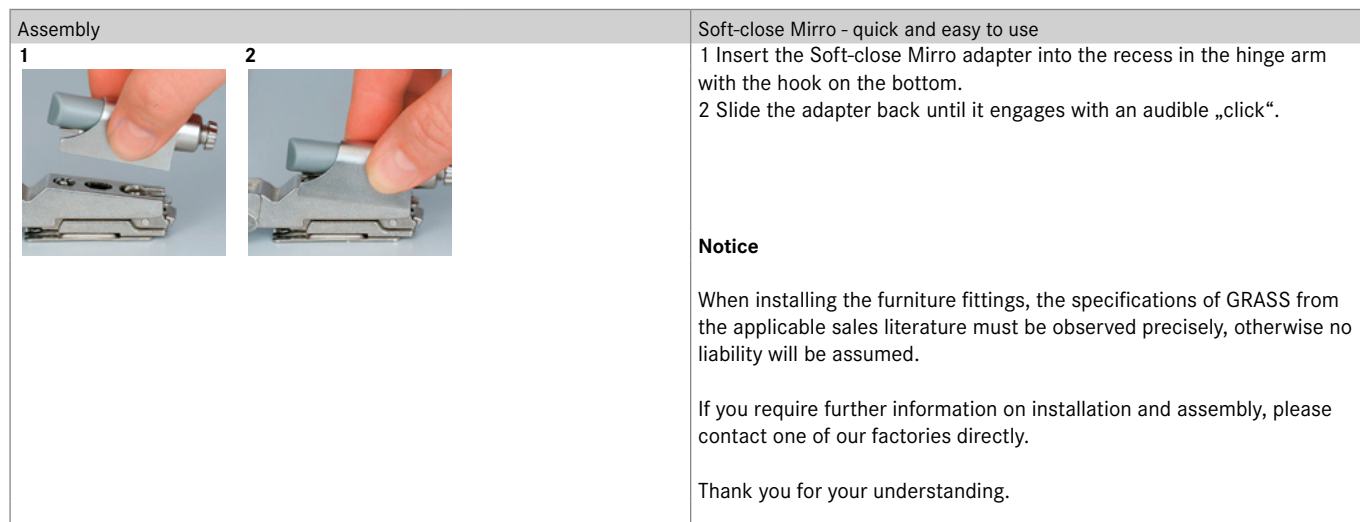
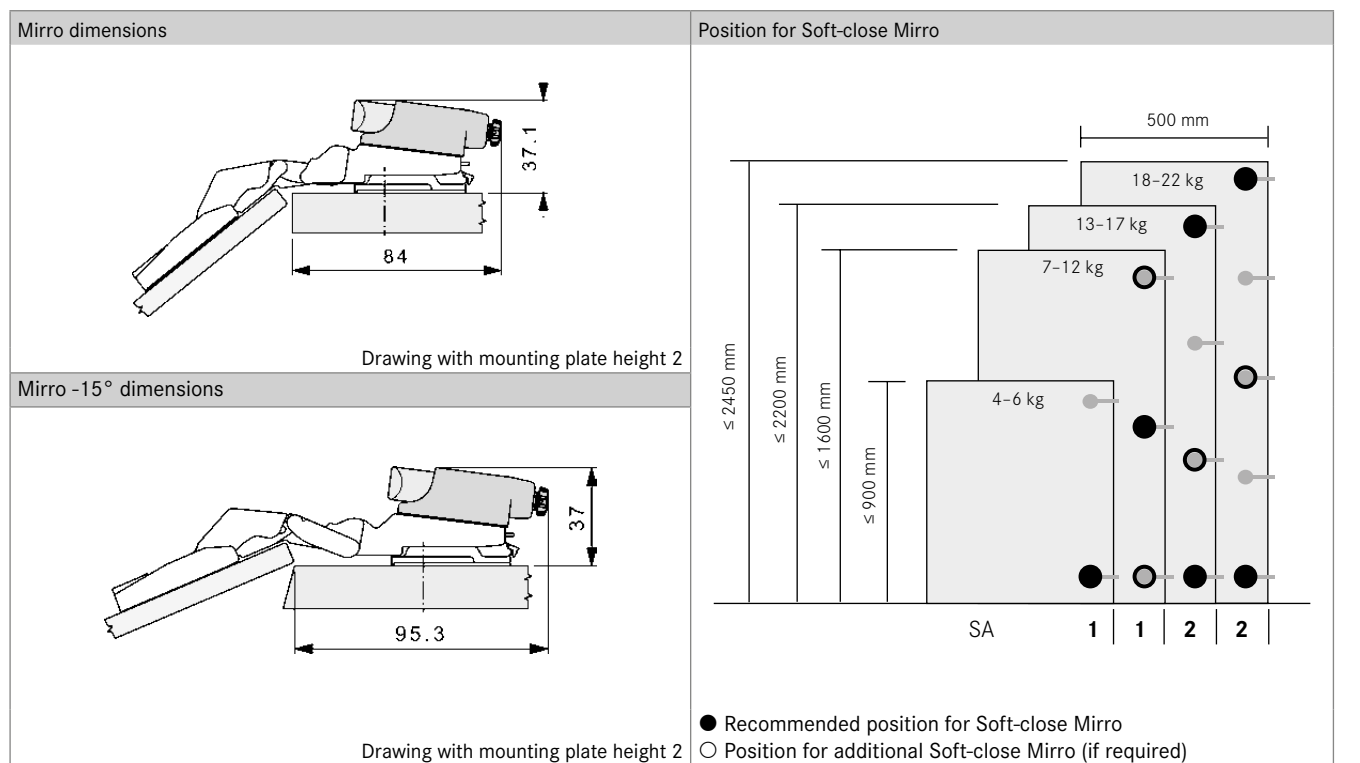
Description				Art. no.
<ul style="list-style-type: none"> • Soft-close adapter with pre-assembled Soft-close damper for Nexis Click-on Mirro and Mirro -15° hinges 				F069073711

PAGE REFERENCES

Nexis Click-on	98				
Assembly technology	193				
Assembly aids	198				

PLANNING INFORMATION

All dimensions in millimetres



LEGEND

<p>SA Number of hinges</p>		
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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

SOFT-CLOSE PIN

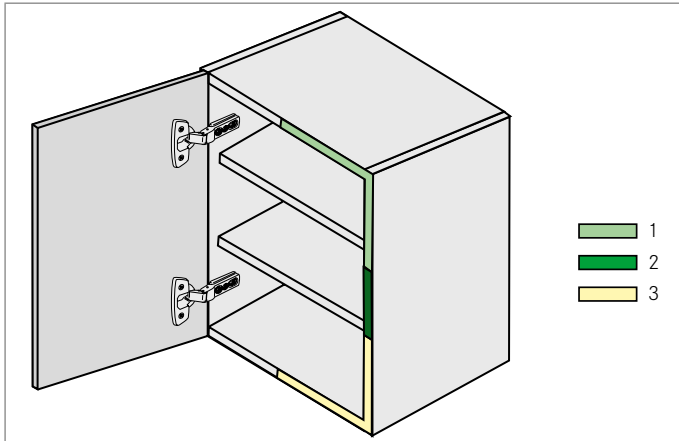
Description			Colour	Art. no.
<ul style="list-style-type: none"> • Drill hole on front edge • For perfect appearance • Housing: Plastic 			Light grey	F069066528

PAGE REFERENCES

Nexis Click-on	98	Single-joint hinges	177		
Nexis Slide-on	139	Assembly technology	193		
Special hinges	165	Assembly aids	198		

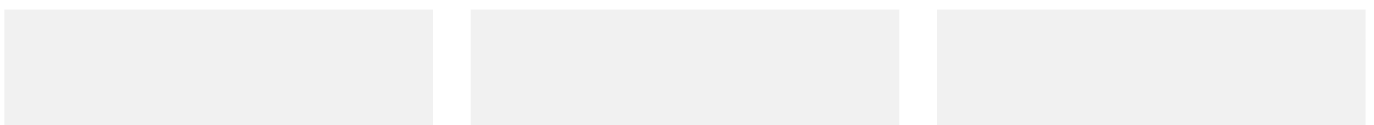
PLANNING INFORMATION

All dimensions in millimetres



- 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

TIPMATIC PIN, SHORT

Description			Colour	Art. no.
<ul style="list-style-type: none"> • Drill edge cover 1 mm • Drill hole on front edge • Includes adhesive plate, screw-on plate and screw 			Black	F069 149391¹
			Light grey	F069 149392¹
			White	F069 149390¹

LINEAR ADAPTER PLATE, SHORT

Description			Colour	Art. no.
<ul style="list-style-type: none"> • Design solution - also in conjunction with inset doors • Fixing with chipboard screws (dia. 3.5 x 13 mm) 			Black	F069 149397
			Light grey	F069 149398
			White	F069 149396

TIPMATIC PIN, LONG

Description			Colour	Art. no.
<ul style="list-style-type: none"> • For heavy and wide doors • Drill edge cover 1 mm • Drill hole on front edge • Includes adhesive plate, screw-on plate and screw 			Black	F069 149388
			Light grey	F069 149389
			White	F069 149387

LINEAR ADAPTER PLATE, LONG

Description			Colour	Art. no.
<ul style="list-style-type: none"> • Design solution - also in conjunction with inset doors • Fixing with chipboard screws (dia. 3.5 x 13 mm) 			Black	F069 149394
			Light grey	F069 149395
			White	F069 149393

PAGE REFERENCES

Tiomos	9	Installation instructions	162		
Nexis Click-on	98	Assembly technology	193		
Nexis Slide-on	139	Assembly aids	198		

PLANNING INFORMATION

All dimensions in millimetres

Tipmatic Pin (short)	Tipmatic Pin (long)
<p>Do not use a door buffer. Self-adhesive or screw-mounted counter plate.</p>	<p>Do not use a door buffer. Self-adhesive or screw-mounted counter plate.</p>

Linear adapter plate (short) overlay	Linear adapter plate (long) overlay
<p>Do not use a door buffer. Self-adhesive or screw-mounted counter plate.</p>	<p>Do not use a door buffer. Self-adhesive or screw-mounted counter plate.</p>

Linear adapter plate (short) inset	Linear adapter plate (long) inset
<p>Do not use a door buffer. Self-adhesive or screw-mounted counter plate.</p>	<p>Do not use a door buffer. Self-adhesive or screw-mounted counter plate.</p>

LEGEND

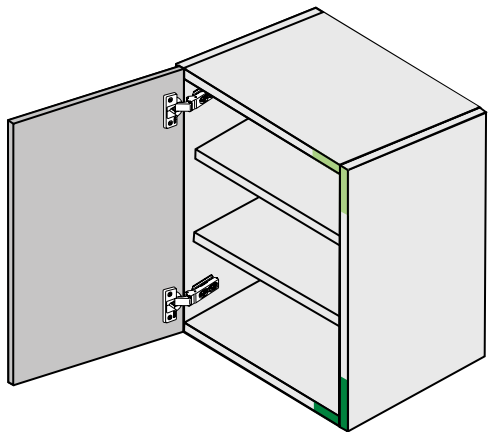
- F Reveal
- S Side wall thickness
- TS Door thickness



TIPMATIC

Installation instructions

INSTALLATION INSTRUCTIONS

Recommended positions

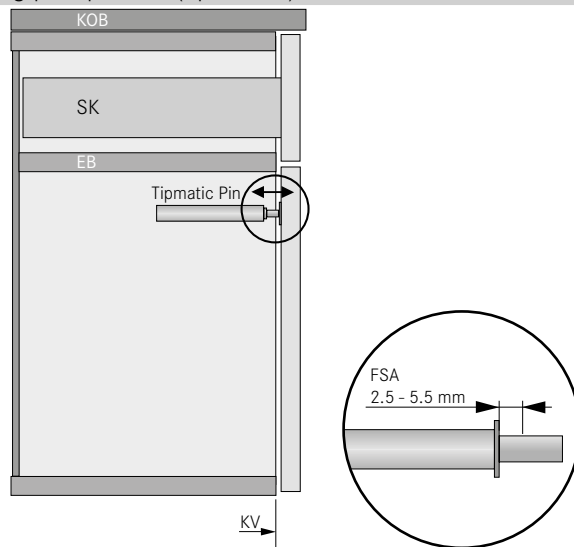


-  Position in the upper corner opposite the hinge in the base cabinet
-  Position in the lower corner opposite the hinge in the wall cabinet

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 (Tipmatic Pin)



Front gap compensation with integrated, tool-free depth adjustment:
The front gap can be adjusted with the Tipmatic drawer.

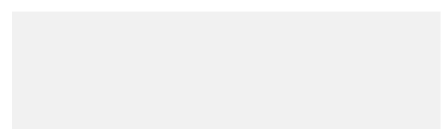
PAGE REFERENCES

Tipmatic	160				
Assembly technology	193				
Assembly aids	198				

LEGEND

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

SK	Drawer
----	--------



When individual special solutions are required.

Special hinges.

grass.eu



FOLLOW US



The functional flap hinge integrates beautifully into elegant furniture with drinks compartment flaps. The extremely flat flap hinge discreetly connects the bottom panel and flap and enables creates an almost flush opening of the drinks compartment flap.


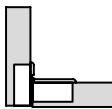

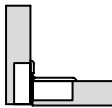

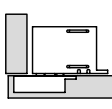

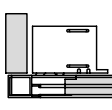

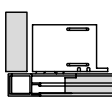
The recessed Tiomos Hidden hinge removes itself from the spotlight and emphasises the design of the furniture piece. The range of design options is expanded by the Nickel and Night surfaces.



**Almost invisible.
Tiomos Hidden.**

Special hinges for special applications

The sleek appearance of the Tiomos Hidden special hinge and flap hinge is a striking feature. They integrate elegantly into the cabinet and emphasise the design of the furniture piece.

Opening angle		Description	Overlay	Page
90°		Tiomos flap hinge <ul style="list-style-type: none"> • Flap thickness from 14 to 21 mm • Cup hole 35 mm • 3-dimensional adjustment 		167
90°		Tiomos flap hinge <ul style="list-style-type: none"> • Flap thickness from 22 to 30 mm • Cup hole 35 mm • 3-dimensional adjustment 		168
105°		Tiomos H <ul style="list-style-type: none"> • Concealed hinge system for wooden doors • With integrated damper • 3-dimensional adjustment 		170
105°		Tiomos H AL <ul style="list-style-type: none"> • Concealed hinge system for aluminium frame doors • With integrated damper • 3-dimensional adjustment 		172
105°		Tiomos H AL <ul style="list-style-type: none"> • Concealed hinge system for Schüco aluminium frame • With integrated damper • 3-dimensional adjustment 		174


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

ORDER INFORMATION

Door position		Colour	Included in delivery	Material	Screw-on		
Overlay		Nickel	Hinge arm (1x), hinge cup (1x), cover cap (1x)	Zamak	F053 139690		
		Night	Hinge arm (1x), hinge cup (1x), cover cap (1x)	Zamak	F053 139692		

ADAPTER PLATES

	Designation	Colour	Art. no.
	adapter plate; 1.5 mm	Nickel	F053 139676
	adapter plate; 1.5 mm	Night	F053 139684
	adapter plate; 7 mm	Nickel	F053 139688

PAGE REFERENCES

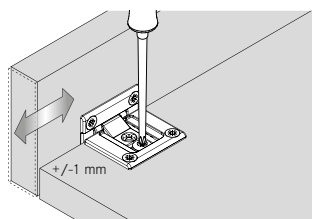
Assembly technology	193				
Assembly aids	198				

PLANNING INFORMATION

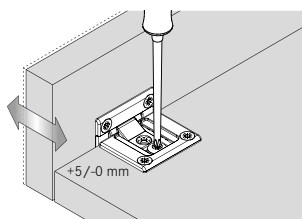
All dimensions in millimetres

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)																																																																								
<table border="1"> <thead> <tr> <th colspan="2">Minimum reveal (F)</th> </tr> </thead> <tbody> <tr><td>14</td><td>1</td></tr> <tr><td>15</td><td>1</td></tr> <tr><td>16</td><td>1</td></tr> <tr><td>17</td><td>1</td></tr> <tr><td>18</td><td>1</td></tr> <tr><td>19</td><td>1</td></tr> <tr><td>20</td><td>1.5</td></tr> <tr><td>21</td><td>2.5</td></tr> </tbody> </table>	Minimum reveal (F)		14	1	15	1	16	1	17	1	18	1	19	1	20	1.5	21	2.5	<table border="1"> <thead> <tr> <th colspan="2">Minimum reveal (F)</th> </tr> </thead> <tbody> <tr><td>14</td><td>1</td></tr> <tr><td>15</td><td>1</td></tr> <tr><td>16</td><td>1</td></tr> <tr><td>17</td><td>1</td></tr> <tr><td>18</td><td>1</td></tr> <tr><td>19</td><td>1</td></tr> <tr><td>20</td><td>1.5</td></tr> <tr><td>21</td><td>2.5</td></tr> </tbody> </table>	Minimum reveal (F)		14	1	15	1	16	1	17	1	18	1	19	1	20	1.5	21	2.5	<table border="1"> <thead> <tr> <th colspan="2">Minimum reveal (F)</th> </tr> </thead> <tbody> <tr><td>14</td><td>1</td></tr> <tr><td>15</td><td>1</td></tr> <tr><td>16</td><td>1</td></tr> <tr><td>17</td><td>1</td></tr> <tr><td>18</td><td>1</td></tr> <tr><td>19</td><td>1</td></tr> <tr><td>20</td><td>1.5</td></tr> <tr><td>21</td><td>2.5</td></tr> </tbody> </table>	Minimum reveal (F)		14	1	15	1	16	1	17	1	18	1	19	1	20	1.5	21	2.5	<table border="1"> <thead> <tr> <th colspan="2">Minimum reveal (F)</th> </tr> </thead> <tbody> <tr><td>14</td><td>1</td></tr> <tr><td>15</td><td>1</td></tr> <tr><td>16</td><td>1</td></tr> <tr><td>17</td><td>1</td></tr> <tr><td>18</td><td>1</td></tr> <tr><td>19</td><td>1</td></tr> <tr><td>20</td><td>1.5</td></tr> <tr><td>21</td><td>2.5</td></tr> </tbody> </table>	Minimum reveal (F)		14	1	15	1	16	1	17	1	18	1	19	1	20	1.5	21	2.5
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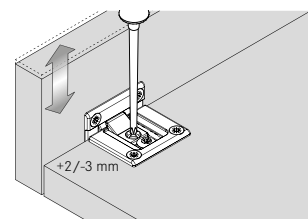
SIDE ADJUSTMENT



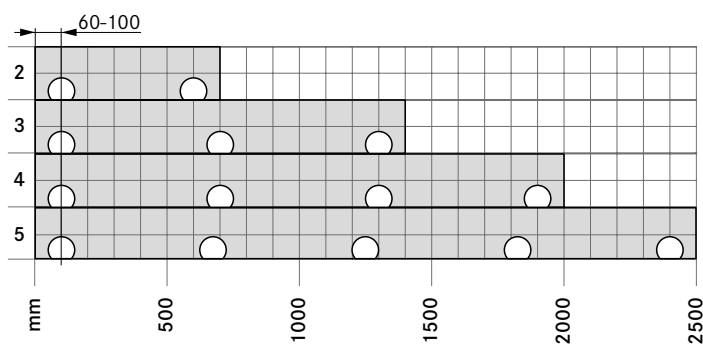
DEPTH ADJUSTMENT



HEIGHT ADJUSTMENT



NUMBER OF HINGES

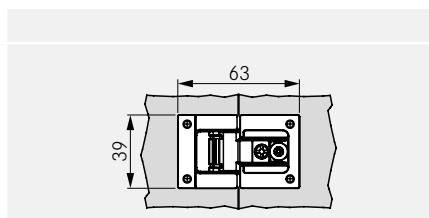
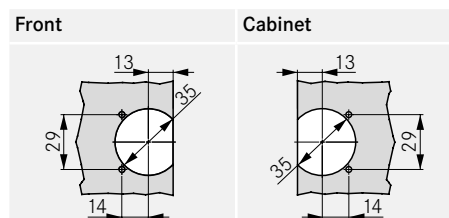


NOTICE

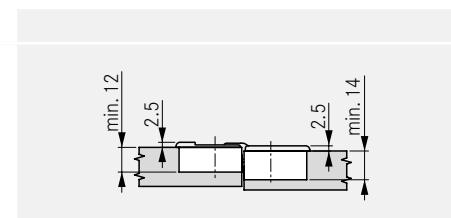
Fixing of flap and base parts with chipboard screws dia. 3.5 x 15 mm (screws are not supplied).

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

ORDER INFORMATION

Door position		Colour	Included in delivery	Material	Screw-on		
Overlay		Nickel	Hinge arm (1x), hinge cup (1x), cover cap (1x)	Zamak	F053 139691		

ADAPTER PLATES

	Designation	Colour	Art. no.
	adapter plate; 1.5 mm	Nickel	F053 139676
	adapter plate; 7 mm	Nickel	F053 139688

PAGE REFERENCES

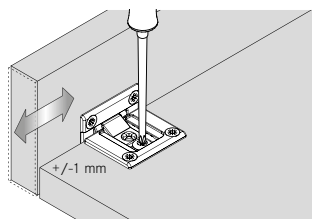
Assembly technology	193				
Assembly aids	198				

PLANNING INFORMATION

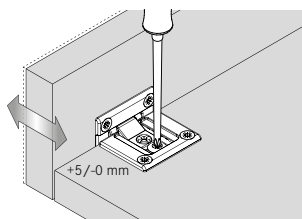
All dimensions in millimetres

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)																																																																																
<table border="1"> <thead> <tr> <th colspan="2">Minimum reveal (F)</th> </tr> </thead> <tbody> <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> </tbody> </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 border="1"> <thead> <tr> <th colspan="2">Minimum reveal (F)</th> </tr> </thead> <tbody> <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> </tbody> </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 border="1"> <thead> <tr> <th colspan="2">Minimum reveal (F)</th> </tr> </thead> <tbody> <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> </tbody> </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 border="1"> <thead> <tr> <th colspan="2">Minimum reveal (F)</th> </tr> </thead> <tbody> <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> </tbody> </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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Flap thickness (TS)	Flap thickness (TS)	Flap thickness (TS)	Flap thickness (TS)																																																																																

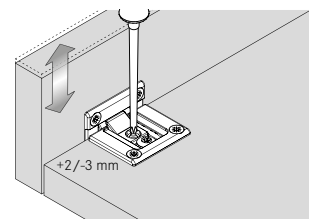
SIDE ADJUSTMENT



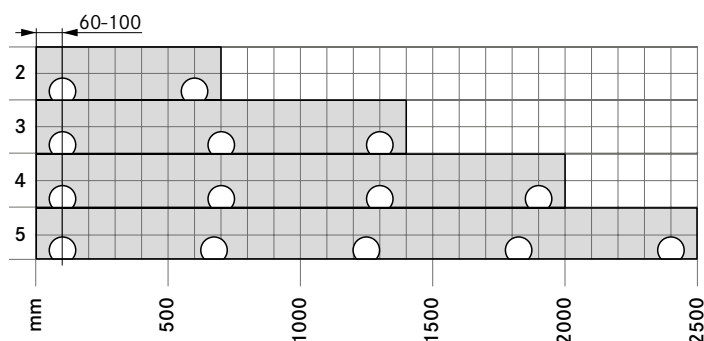
DEPTH ADJUSTMENT



HEIGHT ADJUSTMENT



NUMBER OF HINGES

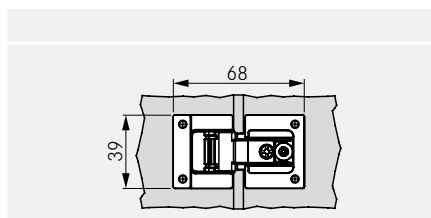
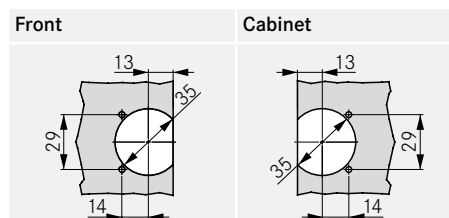


NOTICE

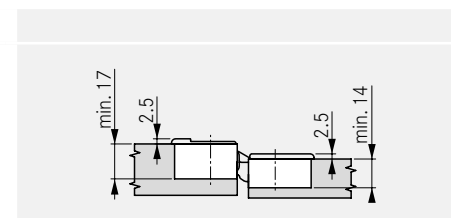
Fixing of flap and base parts with chipboard screws fixing dia. 3.5 x 15 mm (screws are not supplied).

Hinge dimensions and reveal calculation with factory setting.

DRILLING PATTERNS



CUP DIMENSIONS



TIOMOS H

105° hinge - set



- 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

ORDER INFORMATION

Door position		Colour	Included in delivery	Opening spring	Material	Soft-close	Tipmatic Plus	
Overlay		Nickel	Hinge (2x), cover cap (2x), screw set (1x)	-	Zamak	F051139126		
		Night	Hinge (2x), cover cap (2x), screw set (1x)	-	Zamak	F051139125		
		Night	Hinge (2x), cover cap (2x), screw set (1x)	■	Zamak		F051140927¹	

¹Additionally Tipmatic Pin required

ACCESSORIES

	Designation	Art. no.
	Tipmatic pin, short, Black	F069149391

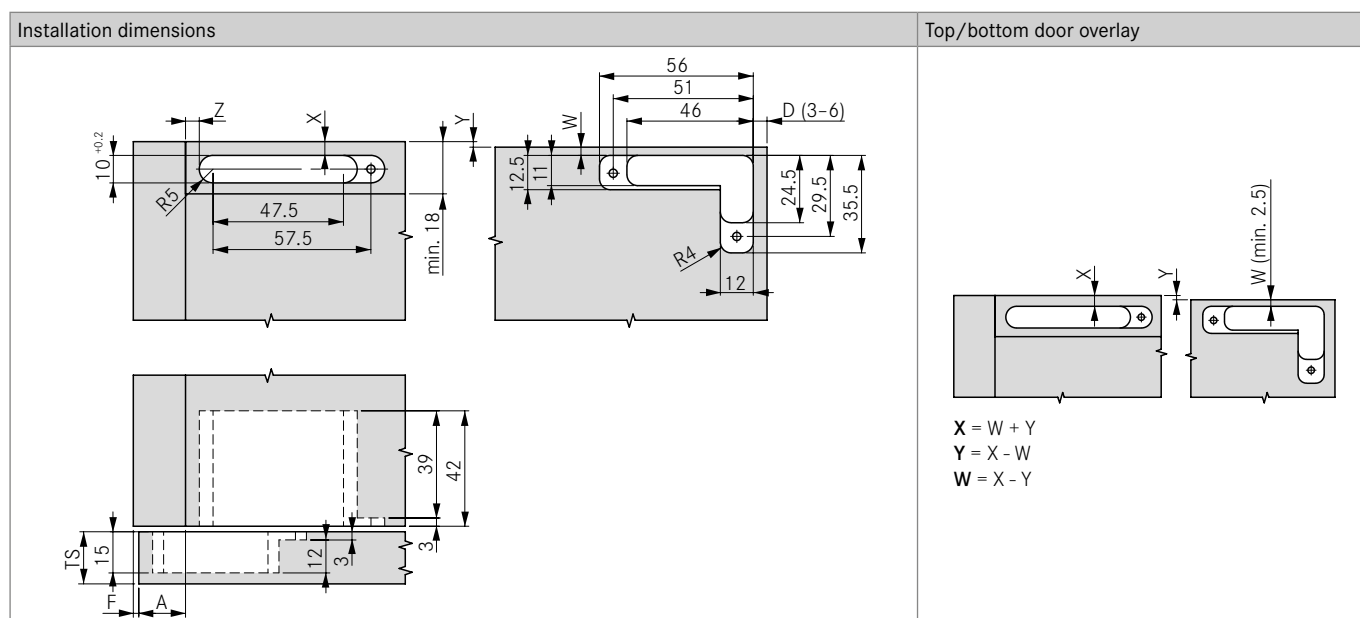
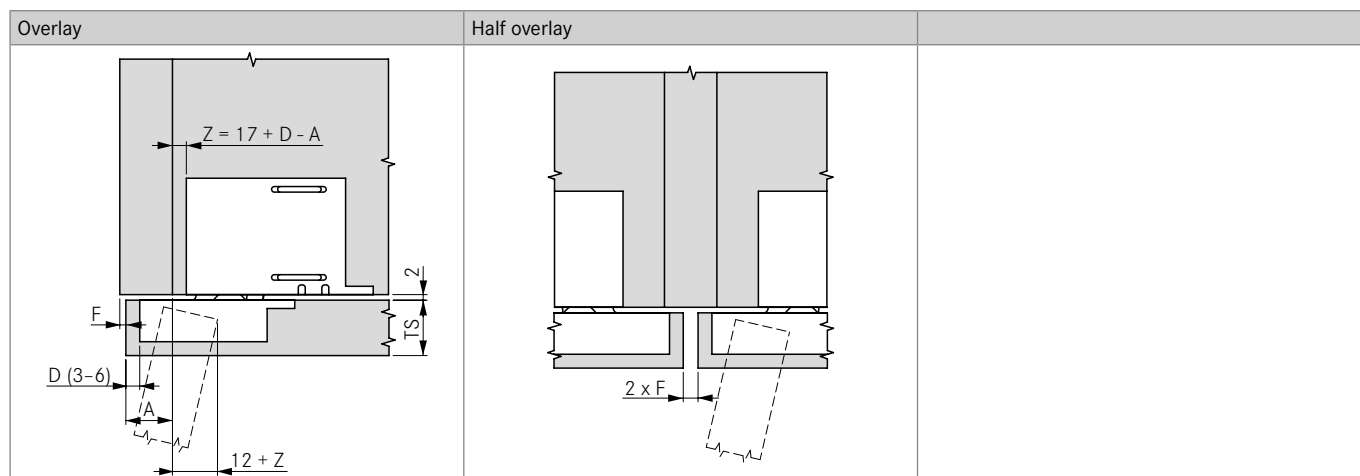
	Designation	Art. no.
	Tipmatic pin, long, Black	F069149388

PAGE REFERENCES

Tipmatic	160			
Assembly technology	193			
Assembly aids	198			

PLANNING INFORMATION

All dimensions in millimetres



$$X = W + Y$$

$$Y = X - W$$

$$W = X - Y$$

MINIMUM REVEAL (F)

Door thickness (TS)	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)

DOOR OVERLAY SIDE

Door overlay (A)	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)

NOTICE

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

TIOMOS H AL

105° hinge - set



- 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

ORDER INFORMATION

Door position		Colour	Included in delivery	Opening spring	Material	Soft-close	Tipmatic Plus	
Overlay		Nickel	Hinge (2x), corner connector (4x), cover cap (2x), screw set (1x)	-	Zamak	F05 1139 128		
		Night	Hinge (2x), corner connector (4x), cover cap (2x), screw set (1x)	-	Zamak	F05 1139 148		
		Night	Hinge (2x), corner connector (4x), cover cap (2x), screw set (1x)	■	Zamak		F05 1140 925¹	

¹Additionally Tipmatic Pin required

ALUMINIUM FRAMES

	Designation	Colour	Art. no.
	Tiomos H AL; Aluminium profile; 3000 mm; Aluminium; Tin coloured anodised; Incl. seal	Peltro	F05 1139 127
	Tiomos H AL; Aluminium profile; 3000 mm; Aluminium; Untreated; Incl. seal	Aluminium metallic	F05 1140 922

ACCESSORIES

	Designation	Art. no.
	Tipmatic pin, short, Black	F069149391

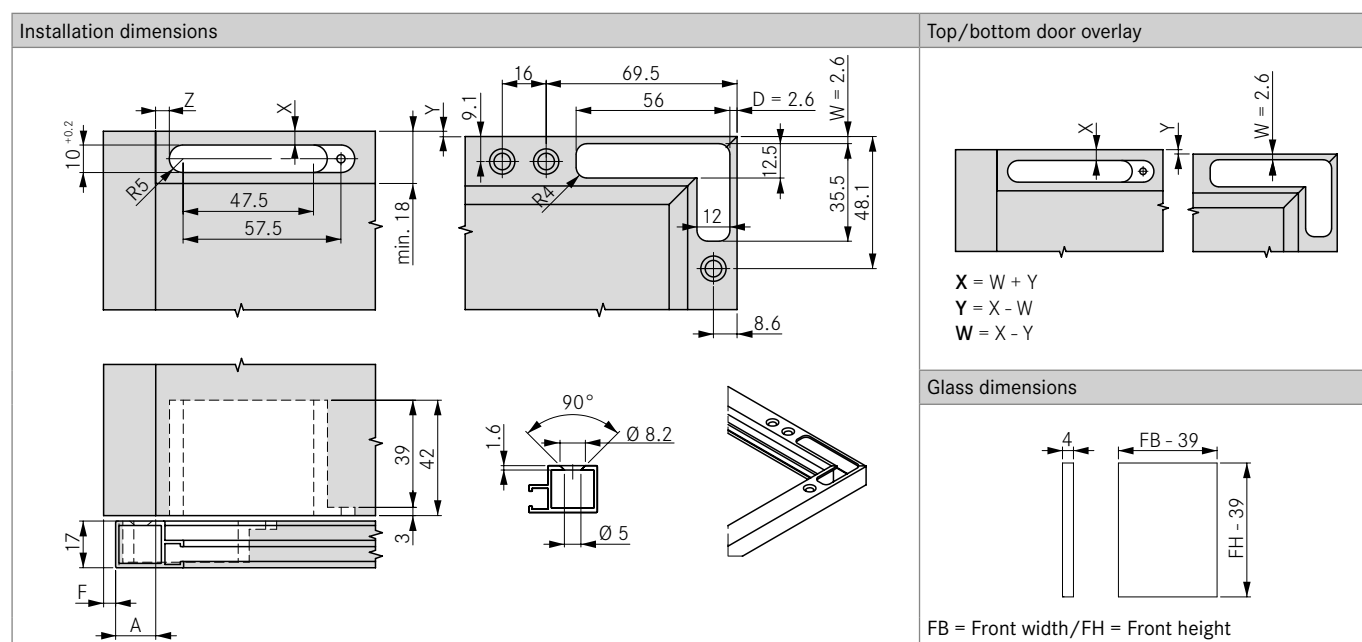
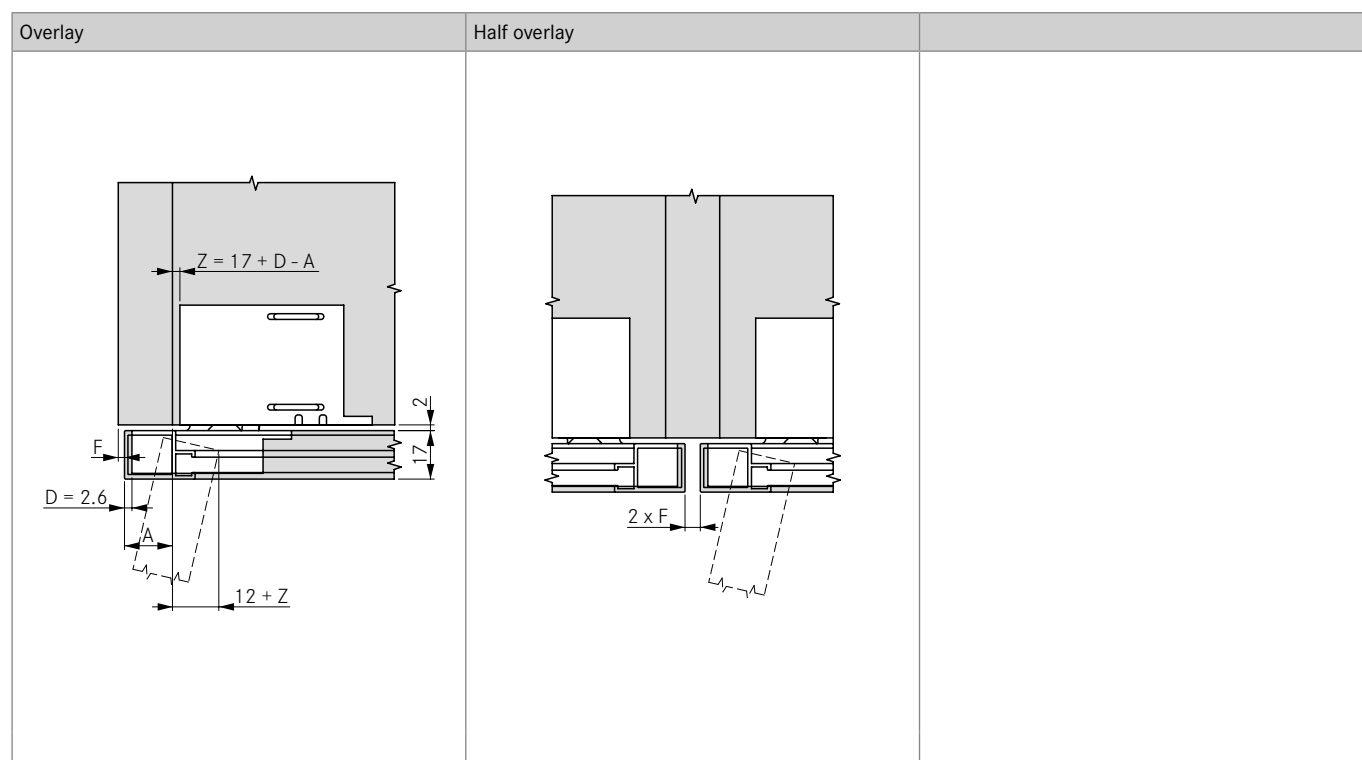
	Designation	Art. no.
	Tipmatic pin, long, Black	F069149388

PAGE REFERENCES

Tipmatic	160			
Assembly technology	193			
Assembly aids	198			

PLANNING INFORMATION

All dimensions in millimetres



MINIMUM REVEAL (F)

Door thickness (TS)	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)				

DOOR OVERLAY SIDE

Door overlay (A)	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)				

NOTICE

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

TIOMOS H AL

105° hinge - set for 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)

ORDER INFORMATION

Door position		Colour	Included in delivery	Opening spring	Material	Soft-close	Tipmatic Plus	
Overlay		Night	Hinge (2x), corner connector (4x), cover cap (2x), screw set (1x)	■	Zamak		F051140895¹	
		Night	Hinge (2x), corner connector (4x), cover cap (2x), screw set (1x)	-	Zamak	F051140897		

¹Additionally Tipmatic Pin required

ALUMINIUM FRAMES

	Designation	Colour	Art. no.
	Tiomos H AL; Aluminium profile; 5000 mm; Aluminium	Stainless steel	980037.64.00
	Tiomos H AL; Aluminium profile; 5000 mm; Aluminium	Black	980037.65.00
	Tiomos H AL; Aluminium profile; 5000 mm; Aluminium	Inox	980037.67.00

ACCESSORIES

	Designation	Art. no.
	Rattle protection for Schüco aluminium profile	532917.00.00
	Tipmatic pin, short, Black	F069149391

	Designation	Art. no.
	Tipmatic pin, long, Black	F069149388

NOTICE

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.

PAGE REFERENCES

Tipmatic	160				
Assembly technology	193				
Assembly aids	198				

PLANNING INFORMATION

All dimensions in millimetres

Overlay	Half overlay	Drilling position for aluminium frame corner connector
<p>$Z = 18.4 + D - A$</p> <p>$D = 1.6$</p> <p>$12 + Z$</p> <p>19</p> <p>2</p> <p>Minimum reveal (F) = 0.2</p>	<p>$2 \times F$</p>	<p>Countersunk screw M5 x 8 mm</p> <p>15.3</p> <p>32.2</p> <p>32.2</p> <p>90°</p> <p>ø 9.9</p> <p>1.5</p> <p>5.1</p> <p>ø 6.9</p>

Installation dimensions	Top/bottom door overlay
<p>Countersunk screw M4 x 10 mm</p> <p>10</p> <p>Z</p> <p>X</p> <p>Y</p> <p>13.3</p> <p>16</p> <p>71</p> <p>58.7</p> <p>$D = 1.2$</p> <p>$W = 1.2$</p> <p>15.1</p> <p>38.2</p> <p>50.5</p> <p>14.6</p> <p>13.3</p> <p>24.9</p> <p>14.6</p> <p>1.2</p> <p>30.7</p> <p>19</p> <p>15.7</p> <p>90°</p> <p>ø 8</p> <p>1.5</p> <p>ø 5</p> <p>39</p> <p>min. 42</p> <p>3</p> <p>19</p> <p>F</p> <p>A</p>	<p>X</p> <p>Y</p> <p>$W = 1.2$</p> <p>$X = W + Y + 1.4$</p> <p>$Y = X - W - 1.4$</p> <p>$W = X - Y - 1.4$</p>
<p>4</p> <p>FB - 54.5</p> <p>FH - 54.5</p>	<p>Glass dimensions</p> <p>FB = Front width / FH = Front height</p>

DOOR OVERLAY SIDE

Door overlay (A)	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			
$Z (Z = 18.4 + D - A)$				

NOTICE

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

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

Single-joint hinges.

Whether for extremely narrow front panel alignments, 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.



FOLLOW US




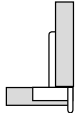
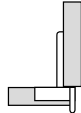
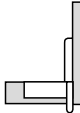

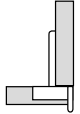

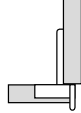
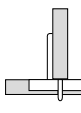

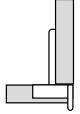

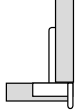
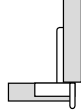
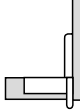
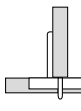
**Functional
single-joint hinges.**
Reduced to the
essentials.



Single-joint hinges
Made in Germany.

Single-joint hinges for furniture for offices and public buildings

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

Opening angle		Description	Full overlay	Half overlay	Inset	Twin fitting	Page
270°		Single-joint hinge MB-6010 <ul style="list-style-type: none"> • Very narrow reveals (3 mm) • Tool-free door clip fitting • Direct reveal and height adjustment 				-	178
270°		Single-joint hinge MB-8010 <ul style="list-style-type: none"> • Narrow reveals (4 mm) • Tool-free door clip fitting • Direct reveal and height adjustment 		-	-	-	180
230°		Single-joint hinge MB-8010 <ul style="list-style-type: none"> • Reveals (8/13.5 mm) • Tool-free door clip fitting • Direct reveal and height adjustment 	-		-		182
270°		Single-joint hinge MB-8320 <ul style="list-style-type: none"> • Reveals (4 mm) • Tool-free door clip fitting • Height adjustment via cam 		-	-	-	184
230°		Single-joint hinge MB-20 <ul style="list-style-type: none"> • Reveals (7.5/8/13.5 mm) • Height adjustment 					186

Technical information

190

SINGLE-JOINT HINGE MB-60 10



With narrow front panel alignment



- 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 position		Opening angle	Side wall thickness	Joint width	Colour	Material	To clip on		
Inset		180	-	3	Nickel	Zamak	F150000007		
Full overlay		270	16	3	Nickel	Zamak	F150000008		
		270	19	3	Nickel	Zamak	F150000009		

HINGE POT

	Suitable for hinge	Screw-on	Press-fit
Hinge cup, 45/9.5 mm, Nickel	MB-6000 MB-8000	F150000006	F150000021

ACCESSORIES

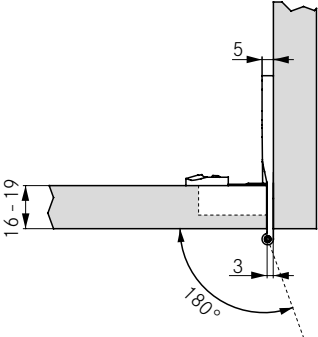
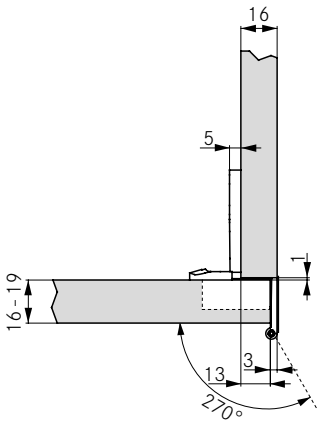
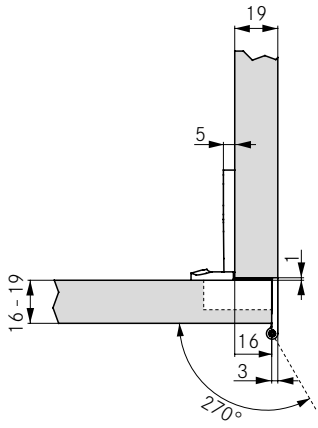
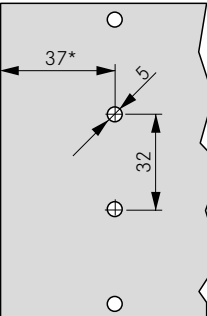
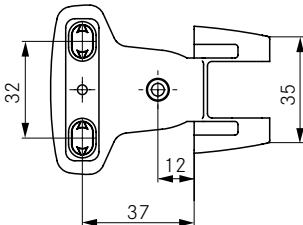
	Designation	Art. no.		Designation	Art. no.
	MB Decorative panels, For use as a glass door hinge. For glass thicknesses of 5 to 6 mm. Set complete with plastic spacers and connecting screws.	F150000018		MB Opening angle reduction clip 110°/120°, For all single-joint hinges, except inset applications	F150000020
	Clothes protector, Prevents damage and soiling through trapping, to be used with all single-joint hinges	F150000017		Euro collar screw, Nickel, 6.3 x 13.5 mm	F150145234

PAGE REFERENCES

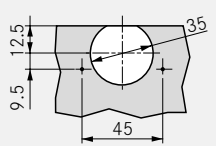
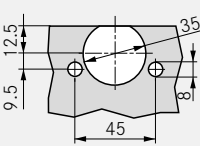
Soft-close Pin	158	Assembly aids	198		
Technical information	190				
Assembly technology	193				

PLANNING INFORMATION

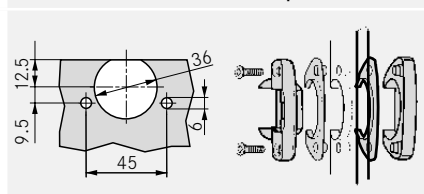
All dimensions in millimetres

Inset	Full overlay (16 mm cabinet side)	Full overlay (19 mm cabinet side)
 <p>Door protrusion 3 mm with 180° opening angle</p>	 <p>Door overlay 13</p> <p>Door protrusion 0 mm with 180° opening angle</p>	 <p>Door overlay 16</p> <p>Door protrusion 0 mm with 180° opening angle</p>
Cabinet holes for hinge mounting	Hinge arm dimensions	
 <p>* = 39 mm + door thickness with inset fitting</p>		

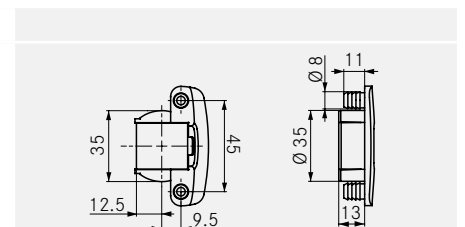
DRILLING PATTERNS

For screw fitting	For press fitting
	

Glass hole for decorative cover cap installation set



CUP DIMENSIONS



SINGLE-JOINT HINGE MB-80 10


With narrow front panel alignment



- 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


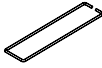


HINGE ARM

Door position		Opening angle	Side wall thickness	Joint width	Colour	Material	To clip on		
Full overlay		270	19	4	Nickel	Zamak	F150000014		

HINGE POT

	Suitable for hinge	Screw-on	Press-fit
Hinge cup, 45/9.5 mm, Nickel	MB-6000 MB-8000	F150000006	F150000021

ACCESSORIES

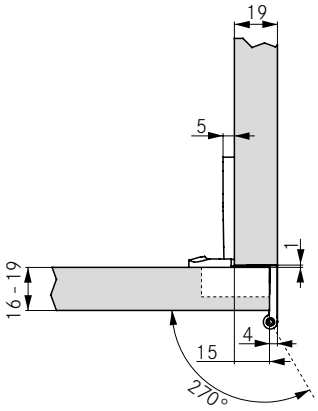
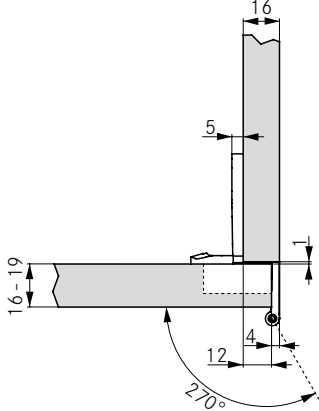
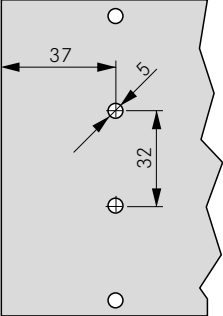
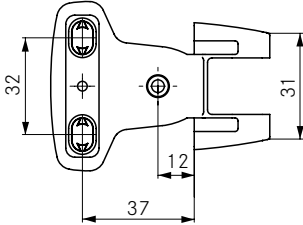
	Designation	Art. no.		Designation	Art. no.
	MB Decorative panels, For use as a glass door hinge. For glass thicknesses of 5 to 6 mm. Set complete with plastic spacers and connecting screws.	F150000018		MB Opening angle reduction clip 110° / 120°, For all single-joint hinges, except inset applications	F150000020
	Clothes protector, Prevents damage and soiling through trapping, to be used with all single-joint hinges	F150000017		Euro collar screw, Nickel, 6.3 x 13.5 mm	F150145234

PAGE REFERENCES

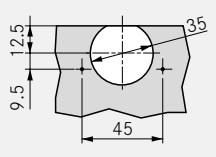
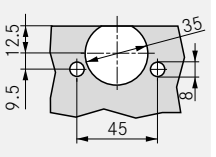
Soft-close Pin	158	Assembly aids	198		
Technical information	190				
Assembly technology	193				

PLANNING INFORMATION

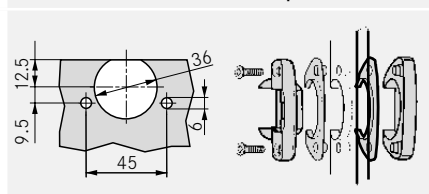
All dimensions in millimetres

MB-8310 full overlay (19 mm cabinet side)	MB-8210 full overlay (16 mm cabinet side)	
 <p>Door overlay 15</p> <p>Door protrusion 0 mm with 180° opening angle</p>	 <p>Door overlay 12</p> <p>Door protrusion 0 mm with 180° opening angle</p>	
Cabinet holes for hinge mounting	Hinge arm dimensions	
		

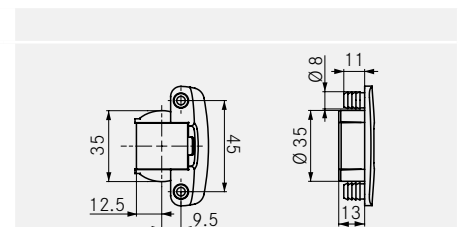
DRILLING PATTERNS

For screw fitting	For press fitting
	

Glass hole for decorative cover cap installation set



CUP DIMENSIONS



SINGLE-JOINT HINGE MB-80 10



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 position		Opening angle	Side wall thickness	Joint width	Colour	Material	To clip on		
Twin		180	19	8	Nickel	Zamak	F150000016		
Half overlay		230	19	13.5	Nickel	Zamak	F150000015		

HINGE POT

	Suitable for hinge	Screw-on	Press-fit
Hinge cup, 45/9.5 mm, Nickel	MB-6000 MB-8000	F150000006	F150000021

ACCESSORIES

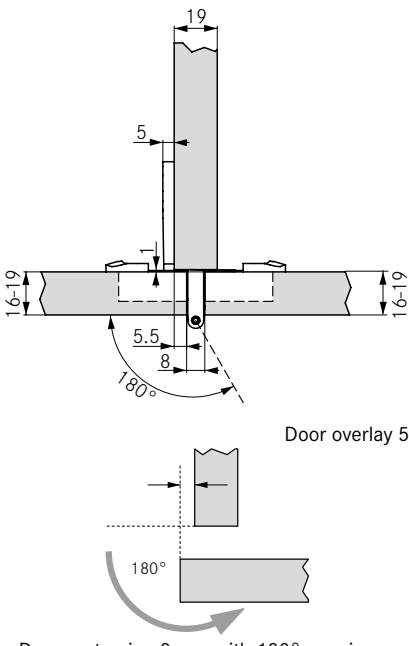
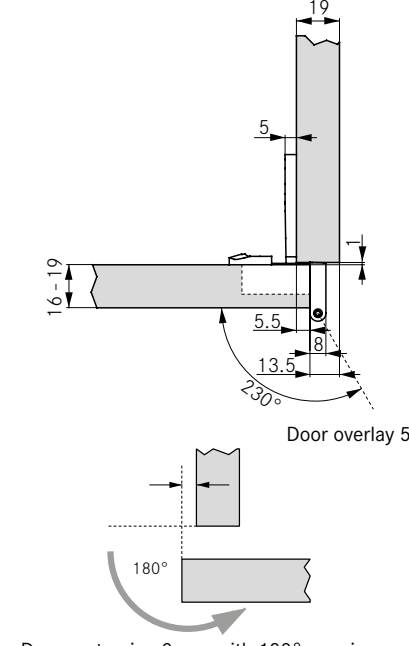
	Designation	Art. no.		Designation	Art. no.
	MB Decorative panels, For use as a glass door hinge. For glass thicknesses of 5 to 6 mm. Set complete with plastic spacers and connecting screws.	F150000018		MB Opening angle reduction clip 110°/120°, For all single-joint hinges, except inset applications	F150000020
	Clothes protector, Prevents damage and soiling through trapping, to be used with all single-joint hinges	F150000017		Euro collar screw, Nickel, 6.3 x 13.5 mm	F150145234

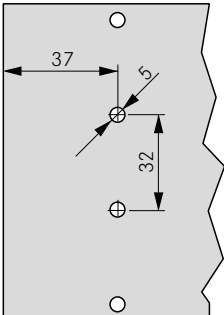
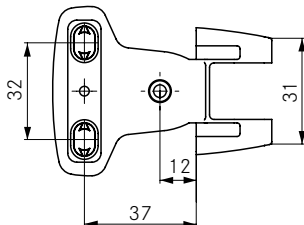
PAGE REFERENCES

Soft-close Pin	158	Assembly aids	198		
Technical information	190				
Assembly technology	193				

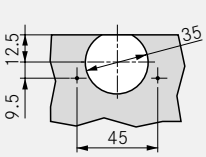
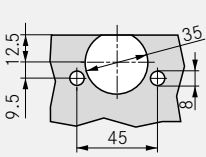
PLANNING INFORMATION

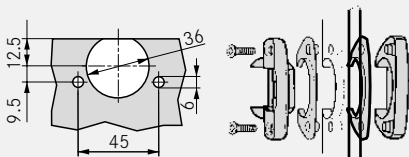
All dimensions in millimetres

MB-8610 twin fitting	MB-8510 half overlay	
 <p>Door overlay 5.5</p> <p>Door protrusion 0 mm with 180° opening angle</p>	 <p>Door overlay 5.5</p> <p>Door protrusion 0 mm with 180° opening angle</p>	

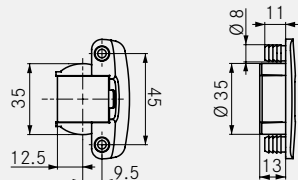
Cabinet holes for hinge mounting	Hinge arm dimensions	
		

DRILLING PATTERNS

For screw fitting	For 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 position		Opening angle	Side wall thickness	Joint width	Colour	Material	To clip on		
Full overlay		270	19	4	Nickel	Zamak	F150145167		

HINGE POT

	Suitable for hinge	Screw-on	Press-fit
Hinge cup, 45/9.5 mm, Nickel	MB-6000 MB-8000	F150000006	F150000021

ACCESSORIES

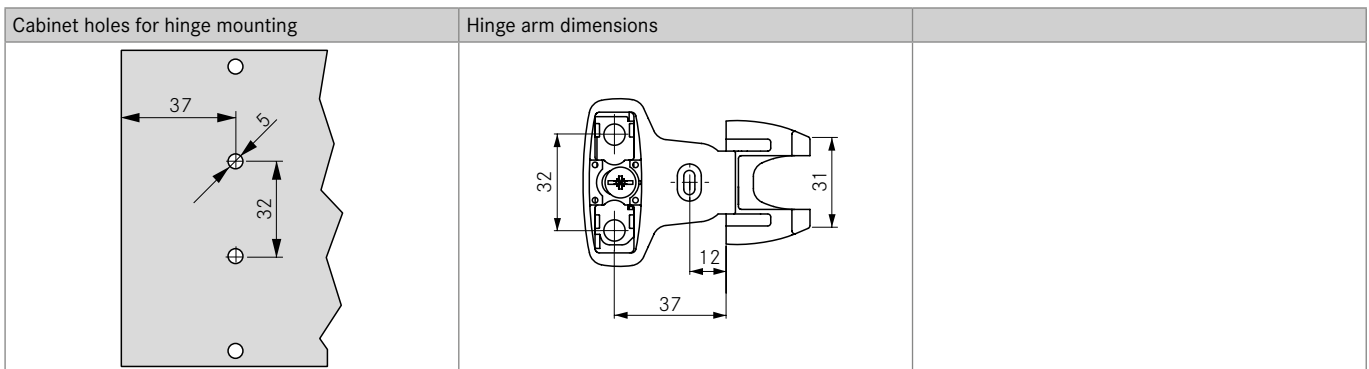
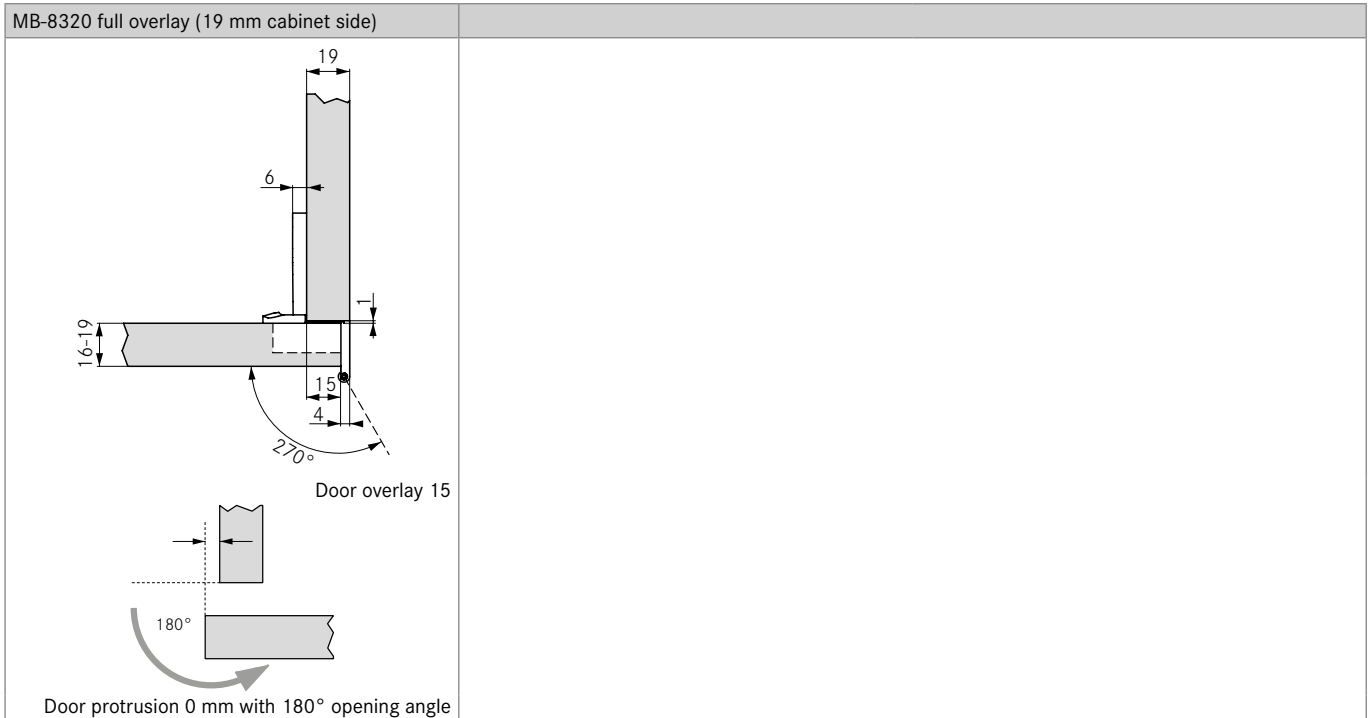
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	MB Decorative panels, For use as a glass door hinge. For glass thicknesses of 5 to 6 mm. Set complete with plastic spacers and connecting screws.	F150000018		MB Opening angle reduction clip 110° / 120°, For all single-joint hinges, except inset applications	F150000020
	Clothes protector, Prevents damage and soiling through trapping, to be used with all single-joint hinges	F150000017		Euro collar screw, Nickel, 6.3 x 13.5 mm	F150145234

PAGE REFERENCES

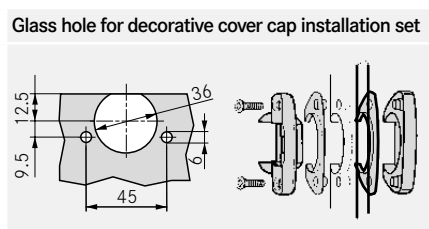
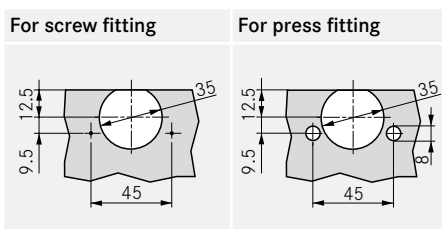
Soft-close Pin	158	Assembly aids	198		
Technical information	190				
Assembly technology	193				

PLANNING INFORMATION

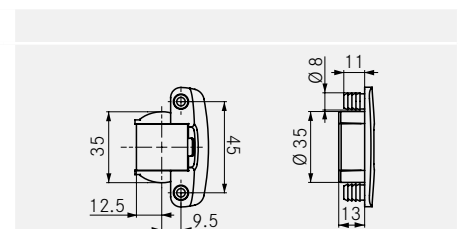
All dimensions in millimetres



DRILLING PATTERNS



CUP DIMENSIONS



SINGLE-JOINT HINGE MB-20

With plug-in connector



- 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 position		Opening angle	Side wall thickness	Joint width	Colour	Material	To tighten		
Twin		180	19	8	Nickel	Zamak	F150000004		
Inset		230	-	1	Nickel	Zamak	F150146068		
Half overlay		230	19	13.5	Nickel	Zamak	F150000003		
Full overlay		230	19	7	Nickel	Zamak	F150000005		

HINGE POT

	Suitable for hinge	Press-fit	Screw-on
Hinge cup, 52/5.5 mm, Nickel	MB-20	F150000001	F150000002
Hinge cup, 45/9.5 mm, Nickel	MB-20	-	F150146079

ACCESSORIES

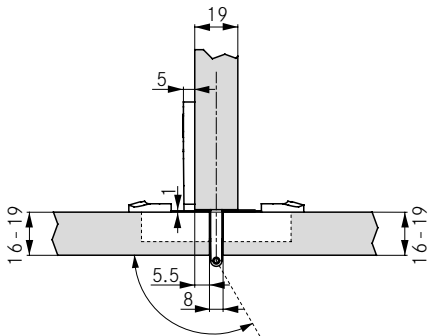
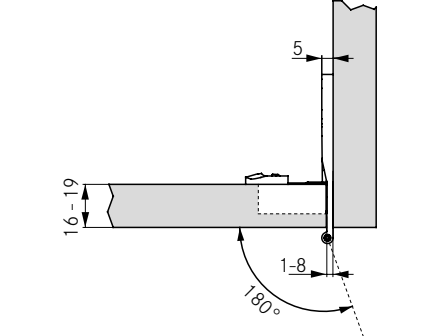
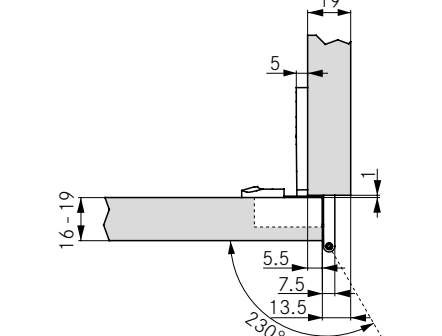
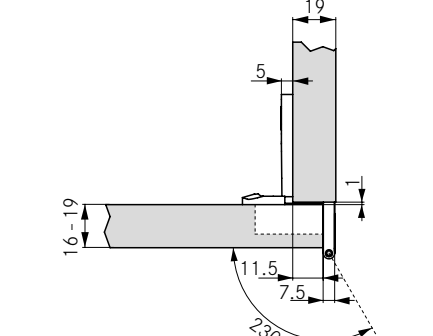
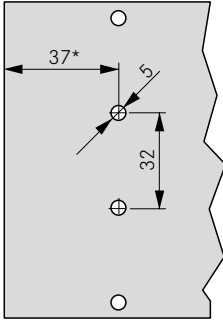
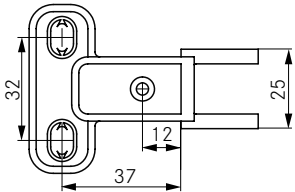
	Designation	Art. no.		Designation	Art. no.
	Euro collar screw, Nickel, 6.3 x 13.5 mm	F150145234			

PAGE REFERENCES

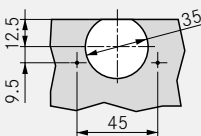
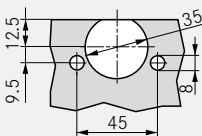
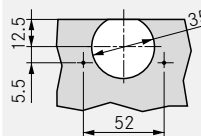
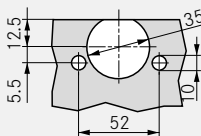
Soft-close Pin	158	Assembly aids	198		
Technical information	190				
Assembly technology	193				

PLANNING INFORMATION

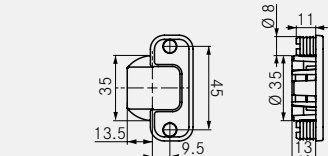
All dimensions in millimetres

Twin fitting (19 mm cabinet side)	Inset	Half overlay (19 mm cabinet side)
 <p>Door overlay 5.5</p> <p>Door protrusion 0 mm with 180° opening angle</p>	 <p>Door protrusion 3 mm with 180° opening angle</p>	 <p>Door overlay 5.5</p> <p>Door protrusion 0 mm with 180° opening angle</p>
Full overlay (19 mm cabinet side)	Cabinet holes for hinge mounting	
 <p>Door overlay 11.5</p> <p>Door protrusion 0 mm with 180° opening angle</p>	 <p>* = 39 mm + door thickness with inset fitting</p>	
Hinge arm dimensions		
		

DRILLING PATTERNS

For screw fitting	For press fitting	For screw fitting	For press fitting
			

CUP DIMENSIONS



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

SOFT-CLOSE PIN

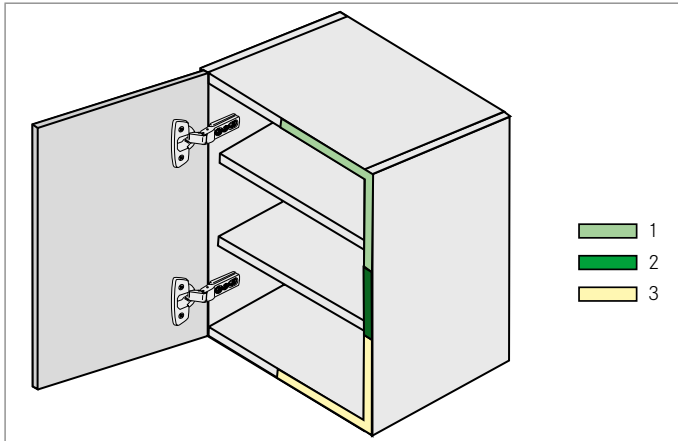
Description			Colour	Art. no.
<ul style="list-style-type: none"> • Drill hole on front edge • For perfect appearance • Housing: Plastic 			Light grey	F069066528

PAGE REFERENCES

Nexis Click-on	98	Single-joint hinges	177		
Nexis Slide-on	139	Assembly technology	193		
Special hinges	165	Assembly aids	198		

PLANNING INFORMATION

All dimensions in millimetres

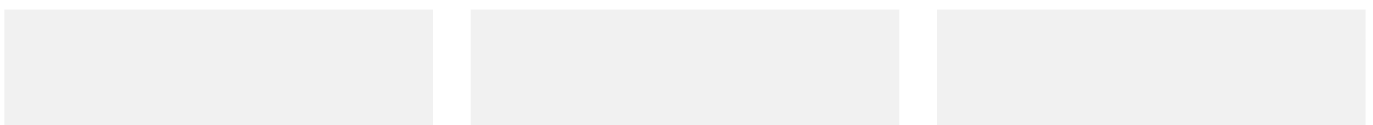


- Possible damper position for a standard door:

- 1 Good position
- 2 Optimal position
- 3 Possible position

- For larger doors, we recommend using an additional damper.

LEGEND



SINGLE-JOINT HINGES

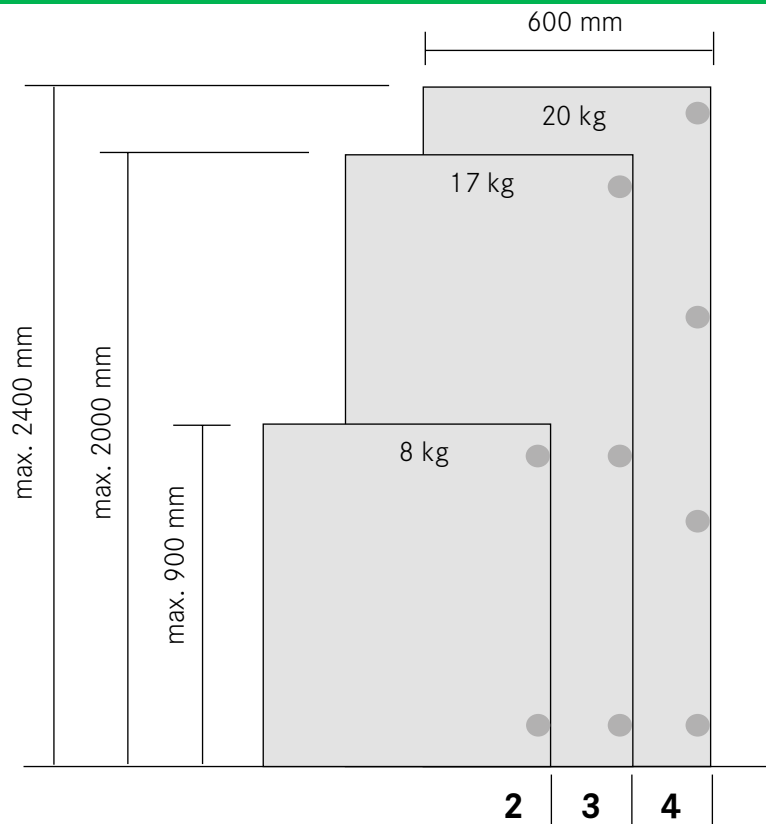
Technical information

NUMBER OF HINGES

Number of hinges

Applies to 19 mm thick chipboard.

The width of the doors must not be greater than the height.



INSERTION/REMOVAL

Assembly

Just pressing down the hinge with the finger is enough to firmly and securely connect the cabinet and door.



Removal

The hinge connection can be released with a twist of a flat-blade screwdriver. This means that unintentional dismounting is not possible.

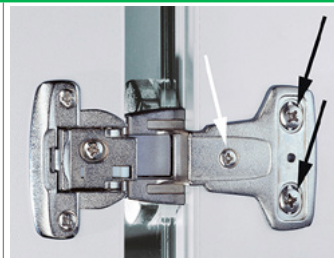


ARM MOUNTING

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 set for safety reasons.



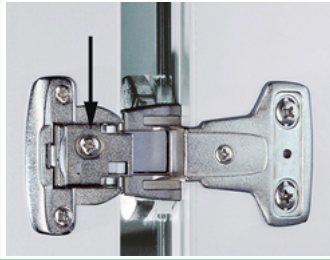
PAGE REFERENCES

Assembly technology	193				
Assembly aids	198				

ADJUSTMENTS

Side adjustment MB-6010, MB-8010

The reveal can be adjusted directly via this screw. Adjustment range -2 mm.



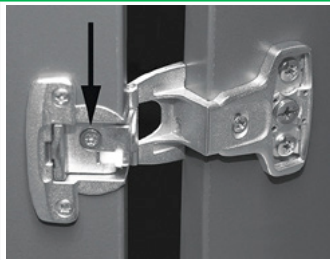
Height adjustment MB-6010, MB-8010

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.

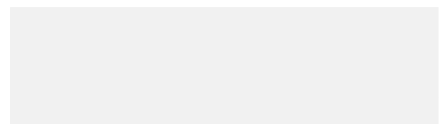
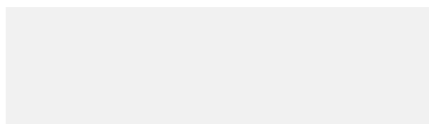
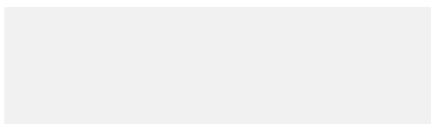


Direct height adjustment MB-8320

Adjustment via screw. Adjustment range +/- 2 mm. Before adjustment, loosen the third fixing screw, then tighten again.



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

Tried-and-tested installation and assembly aids for the professional and cost-effective assembly of GRASS movement systems.

Product description	Page
Tecmator RM Ideal for cabinet makers	194
Tecmator RP Ideal for cabinet makers, shop fitters and small-scale series manufacturers	196
Assembly aids Hinge systems	198

TECMATOR RM

Ideal for cabinet makers



- Robust and practical construction
- Quick setup
- 3-spindle drill head for hinge holes

Standard equipment

- 3-spindle drill 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

	Model variant	Number of spindles vertical drilling gear	Hole drilling	Nominal voltage	Nominal voltage 2	Nominal voltage 3	Frequency	Art. no.
	RM	3 PCS	45/9.5 mm	110 V	0 V	0 V	60 Hz	F146135851
				230 V			50 Hz	F146135852

DRILL BIT WITH SHANK DIA. 10 MM

Description		Direction of rotation	Art. no.
• Drill length 50 mm; dia. 2.7 mm; Black		Clockwise rotation	F146135823
• Drill length 50 mm; dia. 2.7 mm; Red		Anti-clockwise rotation	F146135822
• Drill length 57 mm; dia. 5 mm; Black		Clockwise rotation	F146135825
• Drill length 57 mm; dia. 5 mm; Red		Anti-clockwise rotation	F146135824
• Drill length 57 mm; dia. 8 mm; Black		Clockwise rotation	F146135827
• Drill length 57 mm; dia. 8 mm; Red		Anti-clockwise rotation	F146135826
• Drill length 57 mm; dia. 10 mm; Black		Clockwise rotation	F146135829
• Drill length 57 mm; dia. 10 mm; Red		Anti-clockwise rotation	F146135828
• Drill length 57 mm; dia. 35 mm; Black		Clockwise rotation	F146135830

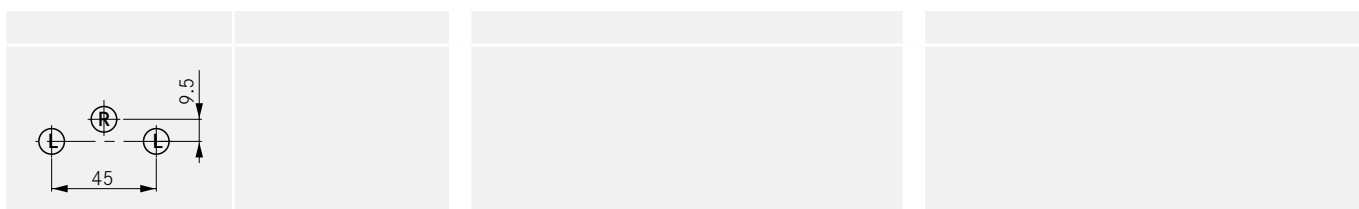
PAGE REFERENCES

Tiomos	9	Special hinges	165		
Nexis Click-on	98	Single-joint hinges	177		
Nexis Slide-on	139	Assembly aids	198		

TECMATOR RM IDEAL FOR CABINET MAKERS

Description				Art. no.
<ul style="list-style-type: none"> Left-hand or right-hand side stop 				F146135810
<ul style="list-style-type: none"> Quick-change drill chuck, left 				F146135835
<ul style="list-style-type: none"> Quick-change drill chuck, right 				F146135836
<ul style="list-style-type: none"> Scale extension 800 mm, left 				F146135957
<ul style="list-style-type: none"> Scale extension 800 mm, right 				F146135958
<ul style="list-style-type: none"> Swivelling lever for insertion die 				F146135861
<ul style="list-style-type: none"> Universal insertion die for Nexis and Tiomos hinges (additional dies on request) 				F146135821

DRILLING PATTERN



TECMATOR RP

Ideal for cabinet makers, shop fitters and small-scale 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 drill head for hinge, mounting plate and connection fitting holes
- Useful special accessories provide enhanced machining options for furniture parts

Standard equipment

- 6-spindle drill 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

	Model variant	Number of spindles vertical drilling gear	Hole drilling	Nominal voltage	Nominal voltage 2	Nominal voltage 3	Frequency	Art. no.
	RP	6 PCS	45/9.5 mm	110 V	0 V	0 V	60 Hz	F146135838
				220 V				F146135839
				230 V			F146135840	
				380 V	380 V	380 V	50 Hz	F146135841

DRILL BIT WITH SHANK DIA. 10 MM

Description			Direction of rotation	Art. no.
• Drill length 50 mm; dia. 2.7 mm; Black			Clockwise rotation	F146135823
• Drill length 50 mm; dia. 2.7 mm; Red			Anti-clockwise rotation	F146135822
• Drill length 57 mm; dia. 5 mm; Black			Clockwise rotation	F146135825
• Drill length 57 mm; dia. 5 mm; Red			Anti-clockwise rotation	F146135824
• Drill length 57 mm; dia. 8 mm; Black			Clockwise rotation	F146135827
• Drill length 57 mm; dia. 8 mm; Red			Anti-clockwise rotation	F146135826
• Drill length 57 mm; dia. 10 mm; Black			Clockwise rotation	F146135829
• Drill length 57 mm; dia. 10 mm; Red			Anti-clockwise rotation	F146135828
• Drill length 57 mm; dia. 35 mm; Black			Clockwise rotation	F146135830

PAGE REFERENCES

Tiomos	9	Special hinges	165		
Nexis Click-on	98	Single-joint hinges	177		
Nexis Slide-on	139	Assembly aids	198		

ACCESSORIES

Description				Art. no.
<ul style="list-style-type: none"> Left-hand or right-hand side stop 				F146135810
<ul style="list-style-type: none"> Quick-change drill chuck, left 				F146135835
<ul style="list-style-type: none"> Quick-change drill chuck, right 				F146135836
<ul style="list-style-type: none"> Scale extension 800 mm, left 				F146135957
<ul style="list-style-type: none"> Scale extension 800 mm, right 				F146135958
<ul style="list-style-type: none"> Seven-spindle vertical drilling gear with integrated marking pins for rows of holes in the 32 mm system (drill bits are not supplied) 				F146135811
<ul style="list-style-type: none"> Universal insertion die for Nexis and Tiomos hinges (additional dies on request) 				F146135821

TECHNICAL INFORMATION

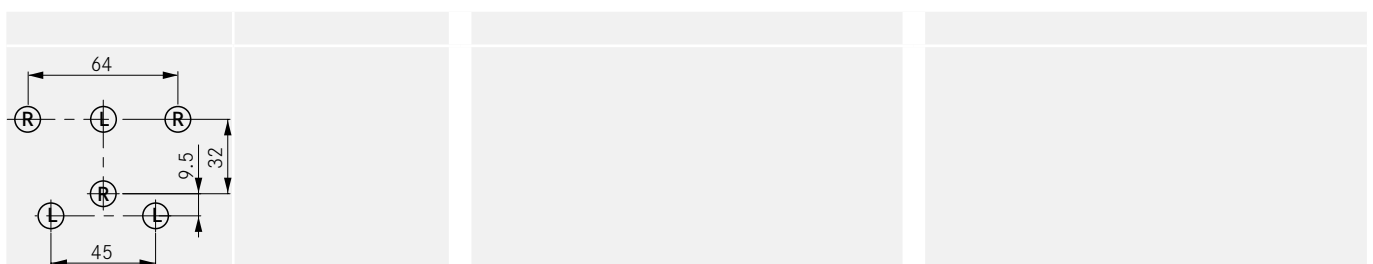
Connections		Dimensions		Weight	
Power rating	1.5 kW	Width	0.80 m	Weight	65 kg
Compressed air supply	6 bar	Depth	0.60 m		
Dust suction diameter	100 mm	Height	0.78 m		

ADVANTAGES

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.

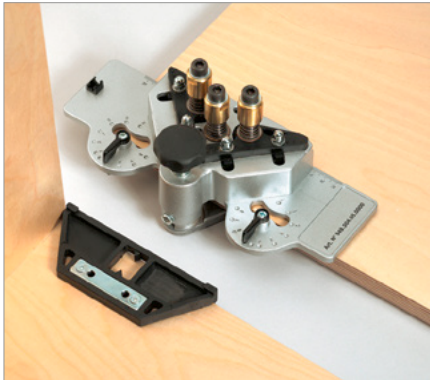


DRILLING PATTERNS



ASSEMBLY AIDS

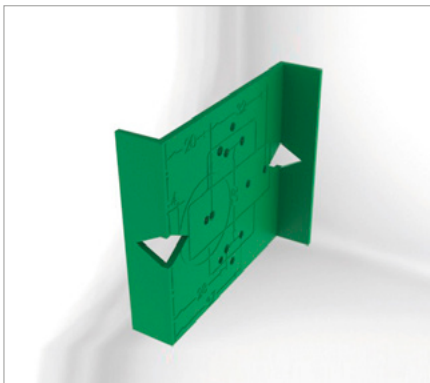
Hinge systems



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

	Art. no.
	F146135776



TIOMOS MARKING JIG

- Simple centre punching or pre-drilling of holes for Tiomos hinges, mini-hinges, cross and linear mounting plates.

Hole drilling	Art. no.
45/9.5 mm	F146135787



TIOMOS COMFORT MARKING JIG

- 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 WITH STOP RING

- Used for pre-drilling holes for Euro screws
- Length 85 mm
- With stop ring

Diameter	Art. no.
5 mm	F146092594

PAGE REFERENCES

Tiomos	9	Special hinges	165		
Nexis Click-on	98	Single-joint hinges	177		
Nexis Slide-on	139	Assembly technology	193		



PILOT DRILL BIT

- The pilot drill bit is used for pre-drilling holes for countersunk chipboard screws

Diameter	Art. no.
3.5 mm	F146035692

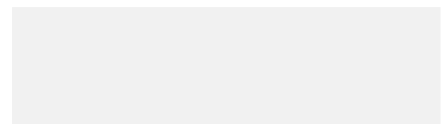
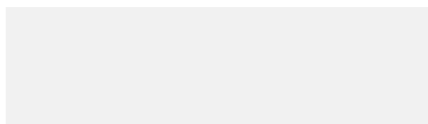
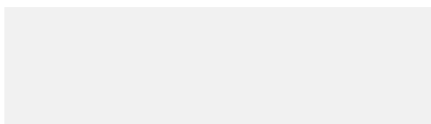


SCREWDRIVER

- GRASS cross-head screwdriver (Pozidriv no. 2)

Product type	Art. no.
Screwdriver	F147010256

LEGEND



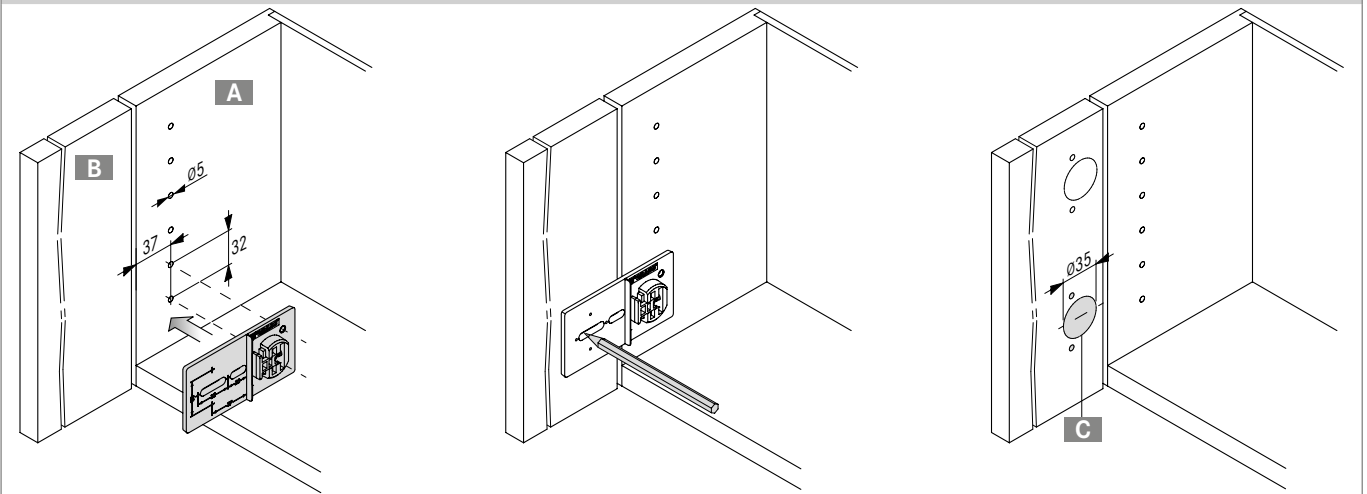
ASSEMBLY AIDS

Hinge systems

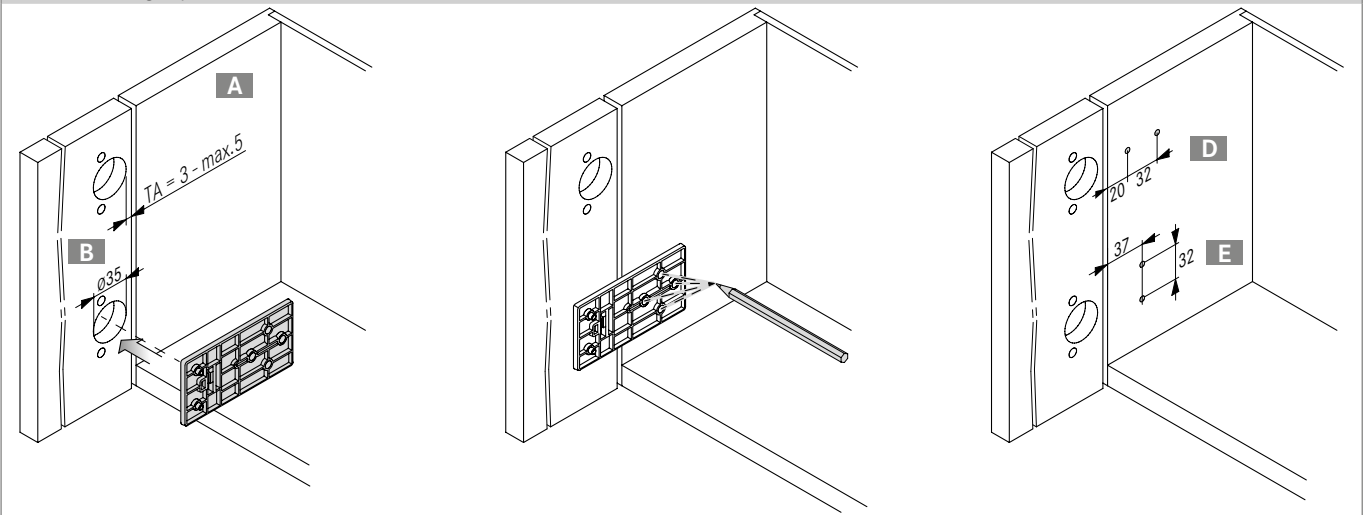
INSTALLATION INSTRUCTIONS

Tiomos marking jig, comfort

Use with existing hole distance 37



Use with existing cup hole



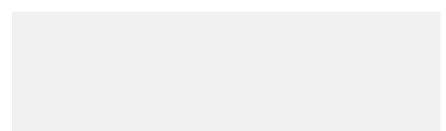
PAGE REFERENCES

Tiomos	9	Special hinges	165		
Nexis Click-on	98	Single-joint hinges	177		
Nexis Slide-on	139	Assembly technology	193		

LEGEND

A	Cabinet side
B	Door
C	Cup hole
D	Linear mounting plate

E	Cross mounting plate
TA	Cup distance





The GRASS shelf supports keep everything firm and stable, no matter whether they are used for solid shelves or shelves with a more delicate design. For as long as the furniture lasts.





Small components. Big impact.

Robust cam lock connectors and shelf supports for increased stability and a long furniture life.

The strong FixoGRASS 9000 and 9200 connector systems keep the sidewalls with worktops, base panels or shelves securely and firmly in shape. Even when they are loaded with heavy goods.



Cabinet making accessories for firm and stable support

	Description		page
	FixoGRASS 9000 shelf support		204
	Eccentric connector FixoGRASS 9200		206

CABINET MAKING ACCESSORIES

FixoGRASS 9000 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

SHELF SUPPORT FOR SCREWING ON WITH WOOD SCREWS

Description			Material/surface	Art. no.
<ul style="list-style-type: none"> • Shelf support for screwing on with wood screws (Length 13 mm, dia. 3.5 mm) • 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 			Zamak/Zinc plated	F148043028

SHELF SUPPORT FOR SCREWING ON WITH EURO SCREWS

Description			Material/surface	Art. no.
<ul style="list-style-type: none"> • Shelf support for screwing on with Euro screws (Length 13 mm, dia. 6 mm) • 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 			Zamak/Zinc plated	F148043036

HOUSING

Description			Material/color	Art. no.
			Plastic/White	F148043056

EXPANDING PIN FOR HOUSING

Description			Material/surface	Art. no.
			Die-cast zinc/ Zinc plated	F148043053

PAGE REFERENCES

Assembly technology	193			
Assembly aids	198			

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

ECCENTRIC

Description			Material/surface	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

FIXOGRASS 9200 CORNER BOLT FOR FIXING WITH EURO THREAD

Description			Material/surface	Art. no.
• Corner bolt for fixing with Euro thread dia. 6 mm			Die-cast zinc/ Zinc plated	F148044883


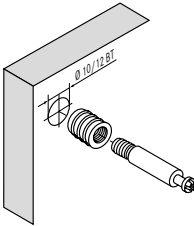

FIXOGRASS 9200 CORNER BOLT FOR FIXING WITH DOWEL DIA. 8 MM/M5

Description			Material/surface	Art. no.
• Corner bolt for fixing with dowel dia. 8 mm/M5			Die-cast zinc/ Zinc plated	F148044748
• Dowel dia.8 mm/M5			Plastic/Plastic	F071085142


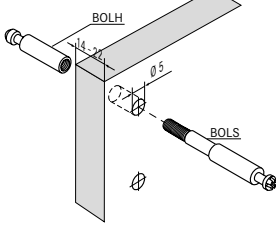

PAGE REFERENCES

Assembly technology	193				
Assembly aids	198				

FIXOGRASS 9200 CORNER BOLT FOR FIXING WITH DOWEL DIA. 10 MM/M6

Description			Material/surface	Art. no.
• Corner bolt for fixing with dowel dia. 10 mm/M6			Die-cast zinc/ Zinc plated	F148043024
• Dowel dia. 10 mm/M6				

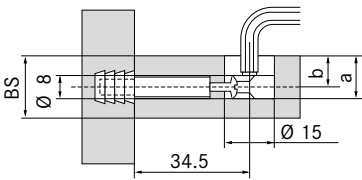
FIXOGRASS 9200 TWIN BOLTS FOR SCREWING IN A ROW OF HOLES

Description			Material/surface	Art. no.
• Twin bolts for fitting in dia. 5 mm holes			Die-cast zinc/ Zinc plated	F148044841
				F148044842

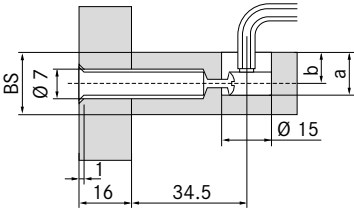
PLANNING INFORMATION

All dimensions in millimetres

Installation dimensions



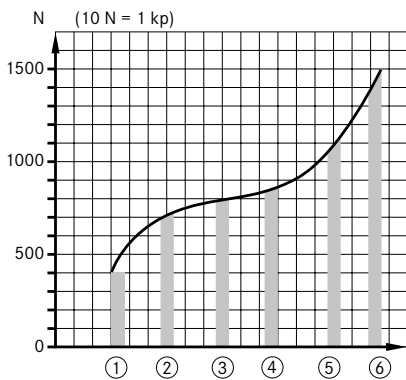
Installation drawing with corner bolt



Installation drawing with countersunk bolt or twin bolt

Plate thickness			
	14 - 16	17 - 20	21 - 23
a	12.5	15.0	16.2
b	8.0	9.5	11.0

LOADING WEIGHT



- 1 Dowel dia. 8/M5 (not glued)
- 2 Dowel dia. 8/M5 (glued)
- 3 Euro screw dia. 6 x 11
- 4 Dowel dia. 10/M6 (not glued)
- 5 Dowel dia. 10/M6 (glued)
- 6 Twin bolts

NOTICE

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	Base thickness
BT	Drilling depth

kp	Kilopond
N	Newton

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Article number

Packaging code

F123456789 201

Packaging type

Packaging unit

PACKAGING TYPE

Code	Explanation
1	PE (bag, film or band)
2	Cardboard box
3	Reusable packaging (cardboard)
4	Reusable packaging (different containers)
5	PE (bag, film or band) in cardboard box
6	Cardboard box in cardboard box
7	Cardboard box in various containers
8	PE (bag, film or band) in different containers

PACKAGING UNIT

Code	Units	Code	Units	Code	Units
01	01	27	140	53	2500
02	02	28	150	54	3000
03	04	29	170	55	4000
04	05	30	175	56	5000
05	06	31	180	57	6000
06	08	32	190	58	7000
07	10	33	200	59	8000
08	12	34	225	60	9000
09	14	35	240	61	10000
10	15	36	250	62	15000
11	20	37	275	63	20000
12	24	38	300	64	30000
13	25	39	400	65	16
14	30	40	500	66	21
15	35	41	550	67	22
16	40	42	600	68	18
17	50	43	700	69	160
18	60	44	750	70	45
19	70	45	800	71	9
20	75	46	900	72	36
21	80	47	1000	73	44
22	85	48	1100	74	1250
23	100	49	1200	75	360
24	120	50	1500	99	x
25	125	51	2000		
26	136	52	2200		

TERMS AND DEFINITIONS

Unit	X pieces/sets in specific packaging
Pieces	X parts of one type (e.g. installation hooks)
Set	X parts of different types (e.g. railing, railing clip [front/back] and cover cap, one each left/right)

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