

Maximum stability, integrated damping, purist design.



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tiomos series.

TI

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

Enjoy the beauty of movement.

CURRENTLY THE BEST POSSIBLE MOVEMENT SOLUTION.

DISCOVER.

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.



Soft-close _inside.

The entire damper system is concealed within the hinge arm.



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



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



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

Three levels for individual comfort.

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



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



Tiemos Night

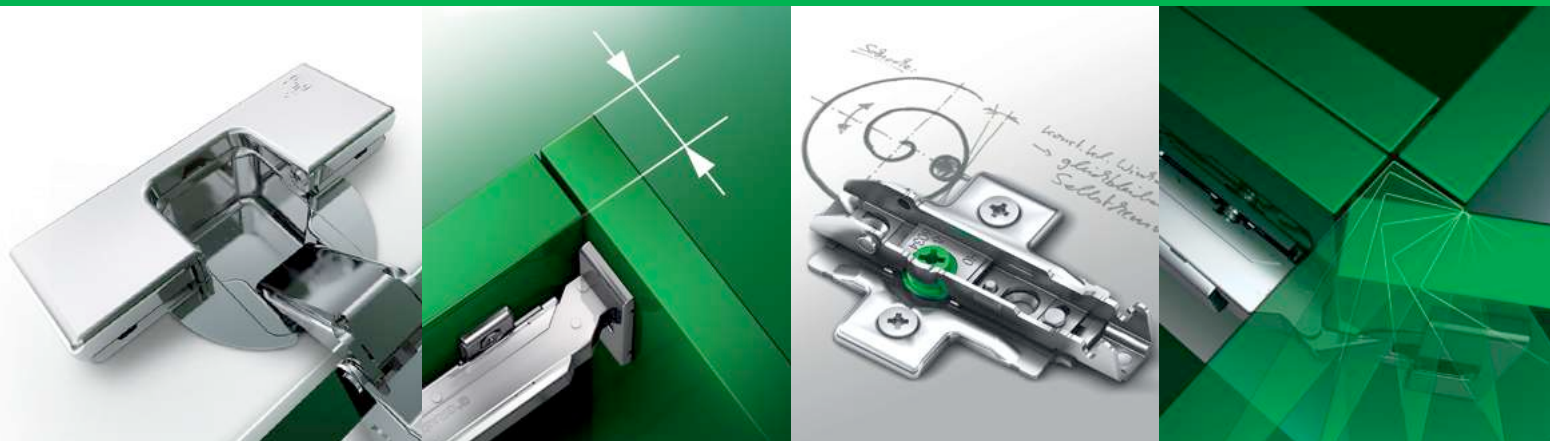


You can tell the quality of a hinge system by how long a hinge will function without developing a fault and how much it will drop under load. Tiomos has achieved exceptionally positive values in tests for durability and for dropping under load.

Tiomos Hinge system

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

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



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

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

Perfect alignment in an instant.

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

Another stroke of genius is the new kinematics inside Tiomos.

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



reddot design award
honourable mention 2010

Tiomos Mirro. Crystal clear.

Complete damping comfort for elegant glass and mirror doors.

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



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



Tiomos M0. Thin door hinge

Strong support for particularly narrow door applications.

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



Effortlessly compatible.

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

Tiomos M series

One system.

Three applications.

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

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



Tiomos M9



Full stability for thin furniture doors from 12 mm.

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

Rebated doors with stepwise adjustable Soft-close damping.

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

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

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

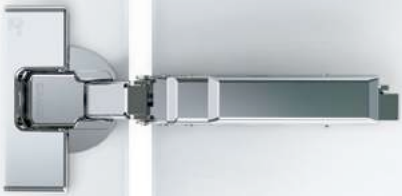




Get ready to play "hunt the fitting". Tiomos Hidden and Kinvaro T-Slim make it possible to create innovative, almost completely transparent furniture designs.

**Discreet
technology
for modern
design.**

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

Hinge systems for trade

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


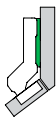



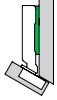

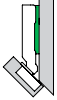



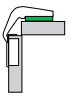
	<p>Tiomos</p> <p>The overall aspiration of the range leaves nothing to be desired. Tiomos hinge system for all standard and special applications.</p>	08
	<p>Tiomos M series</p> <p>The comfortable hinge generation for greater freedom in design. For mirrored doors, glass doors, thin doors and much more.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

Tiomos

Hinge systems

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

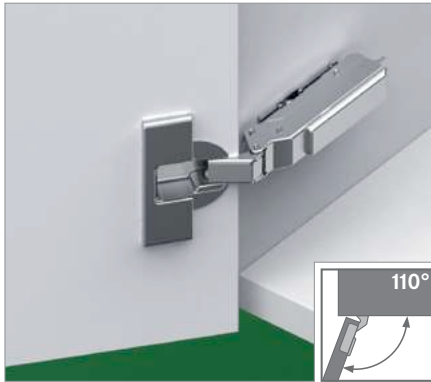
Opening angle		Product description	Full overlay	Overlay	Half overlay	Inset	Page
110°		Tiomos 110 <ul style="list-style-type: none"> • Optimal reveal for door thicknesses up to 24 mm • Convenient depth adjustment via worm screw • Surfaces: Nickel or Night 					10
120°		Tiomos 120 <ul style="list-style-type: none"> • Optimal reveal for door thicknesses up to 22 mm • Convenient depth adjustment via worm screw 					12
155°		Tiomos 155 <ul style="list-style-type: none"> • Optimal reveal for door thicknesses up to 32 mm • For cabinets with inset drawers or pull-out shelves • Surfaces: Nickel or Night 					14
95°		Tiomos 95 <ul style="list-style-type: none"> • Optimal reveal for door thicknesses up to 28 mm • Convenient depth adjustment via worm screw • Surfaces: Nickel or Night 					16
110°		Tiomos 110 AL <ul style="list-style-type: none"> • Optimal reveal for aluminium frames • Hinge not visible from the outside • Surfaces: Nickel or Night 					18
110°		Tiomos 110/90A <ul style="list-style-type: none"> • Hinge for blind corner constructions • Convenient depth adjustment via worm screw • Surfaces: Nickel or Night 	-		-	-	20
110°		Tiomos 110/90E <ul style="list-style-type: none"> • Hinge for blind corner constructions • Convenient depth adjustment via worm screw • Surfaces: Nickel or Night 	-	-	-		22
110°		Tiomos 110/30A <ul style="list-style-type: none"> • For 30° angled cabinets • Convenient depth adjustment via worm screw 	-		-	-	24
110°		Tiomos 110/30E <ul style="list-style-type: none"> • For 30° angled cabinets • Convenient depth adjustment via worm screw 	-	-	-		26
110°		Tiomos 110/37A <ul style="list-style-type: none"> • For 37° angled cabinets • Convenient depth adjustment via worm screw 	-		-	-	28
110°		Tiomos 110/37E <ul style="list-style-type: none"> • For 37° angled cabinets • Convenient depth adjustment via worm screw 	-	-	-		30
110°		Tiomos 110/45A <ul style="list-style-type: none"> • For 45° angled cabinets • Convenient depth adjustment via worm screw • Surfaces: Nickel or Night 	-		-	-	32

Opening angle		Product description	Full overlay	Overlay	Half overlay	Inset	Page
110°		Tiomos 110/45E <ul style="list-style-type: none"> • For 45° angled cabinets • Convenient depth adjustment via worm screw • Surfaces: Nickel or Night 	-	-	-		34
120°		Tiomos 120/-15A <ul style="list-style-type: none"> • For -15° angled cabinets • Convenient depth adjustment via worm screw 	-		-	-	36
120°		Tiomos 120/-30A <ul style="list-style-type: none"> • For -30° angled cabinets • Convenient depth adjustment via worm screw 	-		-	-	38
120°		Tiomos 120/-45A <ul style="list-style-type: none"> • For -45° angled cabinets • Convenient depth adjustment via worm screw 	-		-	-	40
100°		Tiomos 100 <ul style="list-style-type: none"> • For fridge doors (sliding system) • Convenient depth adjustment via worm screw 	-		-	-	42
-		Tiomos PCC <ul style="list-style-type: none"> • For connecting two corner cabinet doors • Convenient depth adjustment via worm screw 	-		-	-	44

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

TIOMOS 110

110° hinge (door thicknesses up to 24 mm)



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

Available in four versions:

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



ORDER INFORMATION FOR DRILLING PATTERN 45/9.5, NICKEL

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

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

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

³ Additional Tipmatic Plus Pin required

ORDER INFORMATION FOR DRILLING PATTERN 45/9.5, NIGHT

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

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

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

PAGE REFERENCES

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Accessories	70	Assembly technology	225		
Technical information	74	Assembly aids	230		

TIOMOS 120

120° hinge (door thicknesses up to 24 mm)



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

Available in three versions:

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

ORDER INFORMATION FOR DRILLING PATTERN 45/9.5, NICKEL

Door overlay		Cranking	Damper		Without spring	Art. No.		
			With	Without		Click-on for screw fitting	Click-on for press fitting	Impresso tool-free
Full overlay ¹		0	■	-	-	F028 138547	F028 138551	F017 139343
			-	■	-	F045 138485	F045 138489	F034 139314
			-	■	■	F046 138607	F046 138611	F035 139371
Overlay ¹		3	■	-	-	F028 138548	F028 138552	F017 139344
			-	■	-	F045 138486	F045 138490	-
			-	■	■	F046 138608	F046 138612	-
Half overlay ²		9.5	■	-	-	F028 138549	F028 138553	F017 139345
			-	■	-	F045 138487	F045 138491	F034 139316
			-	■	■	F046 138609	F046 138613	F035 139373
Inset ²		19	■	-	-	F028 138550	F028 138554	F017 139346
			-	■	-	F045 138488	F045 138492	F034 139317
			-	■	■	F046 138610	F046 138614	F035 139374

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

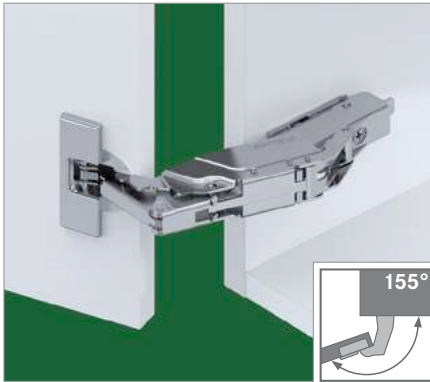
² Cup material: steel, nickel-plated/Arm material: zamak, nickel-plated

PAGE REFERENCES

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

TIOMOS 155

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



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

Available in three versions:

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

ORDER INFORMATION FOR DRILLING PATTERN 45/9.5, NICKEL

Door overlay	Cranking	Damper		Without spring	Art. No.		
		With	Without		Click-on for screw fitting	Click-on for press fitting	Impresso tool-free
Full overlay ¹	0	■	-	-	F028 138561	F028 138564	F017 139350
		-	■	-	F045 138499	F045 138502	F034 139321
		-	■	■	F046 138621	F046 138624	-
Overlay ¹	3	■	-	-	F028 138562	F028 138565	F017 139351
		-	■	-	F045 138500	F045 138503	F034 139322
		-	■	■	F046 138622	F046 138625	-
Half overlay ¹	9.5	■	-	-	F028 138563	F028 138566	F017 139352
		-	■	-	F045 138501	F045 138504	F034 139323
		-	■	■	F046 138623	F046 138626	F035 139380

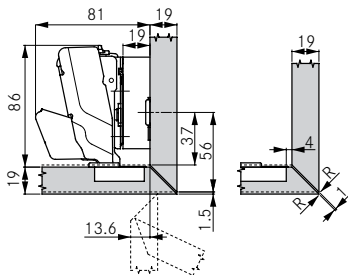
¹ Cup material: zamak, nickel-plated/Arm material: zamak, nickel-plated

ORDER INFORMATION FOR DRILLING PATTERN 45/9.5, NIGHT

Door overlay	Cranking	Damper		Without spring	Art. No.		
		With	Without		Click-on for screw fitting		
Overlay ¹	3	■	-	-	F028 140944		
Half overlay ¹	9.5	■	-	-	F028 140942		

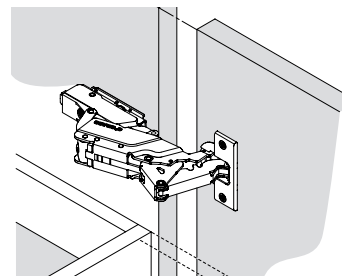
¹ Cup material: zamak, Night/Arm material: zamak, Night

MITRED APPLICATION (ON ALL SIDES)



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

ZERO PROTRUSION



For use with inset drawers.

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

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

TIOMOS 95

95° hinge (door thicknesses up to 28 mm)



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

Available in three versions:

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

ORDER INFORMATION FOR DRILLING PATTERN 45/9.5, NICKEL

Door overlay	Cranking	Damper		Without spring	Art. No.		
		With	Without		Click-on for screw fitting	Click-on for press fitting	Impresso tool-free
Full overlay ¹	0	■	-	-	F028 138567	F028 138571	F017 139353
		-	■	-	F045 138505	F045 138509	F034 139324
		-	■	■	F046 138627	F046 138631	F035 139381
Overlay ¹	3	■	-	-	F028 138568	F028 138572	F017 139354
		-	■	-	F045 138506	F045 138510	F034 139325
		-	■	■	F046 138628	F046 138632	F035 139382
Half overlay ²	9.5	■	-	-	F028 138569	F028 138573	F017 139355
		-	■	-	F045 138507	F045 138511	F034 139326
		-	■	■	-	F046 138633	-
Inset ²	19	■	-	-	F028 138570	F028 138574	F017 139356
		-	■	-	F045 138508	F045 138512	F034 139327
		-	■	■	-	F046 138634	-

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

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

ORDER INFORMATION FOR DRILLING PATTERN 45/9.5, NIGHT

Door overlay	Cranking	Damper		Without spring	Art. No.		
		With	Without		Click-on for screw fitting		
Overlay ¹	3	■	-	-	F028 139138		
		-	■	-	F045 149534		
		-	■	■	F046 149609		
Half overlay ²	9.5	■	-	-	F028 140936		
		-	■	-	F045 149535		
		-	■	■	F046 149610		
Inset ²	19	■	-	-	F028 140939		
		-	■	-	F045 149536		
		-	■	■	F046 149611		

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

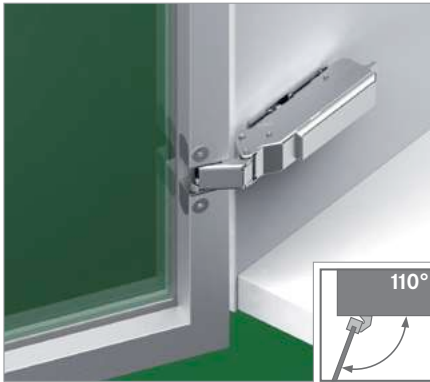
² Cup material: steel, Night/Arm material: zamak, Night

PAGE REFERENCES

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

TIOMOS 110 AL

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



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

Available in three versions:

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

ORDER INFORMATION, NICKEL

Door overlay		Cranking	Damper		Without spring	Click-on for screw fitting	Art. No.	
			With	Without				
Full overlay ¹		0	■	-	-	F028 138 154		
			-	■	-	F045 138 061		
			-	■	■	F046 138 245		
Overlay ¹		3	■	-	-	F028 138 155		
			-	■	-	F045 138 062		
			-	■	■	F046 138 246		
Half overlay ²		9.5	■	-	-	F028 138 156		
			-	■	-	F045 138 063		
			-	■	■	F046 138 247		
Inset ²		19	■	-	-	F028 138 157		
			-	■	-	F045 138 064		
			-	■	■	F046 138 248		

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

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

ORDER INFORMATION, NIGHT

Door overlay		Cranking	Damper		Without spring	Click-on for screw fitting	Art. No.	
			With	Without				
Overlay ¹		3	■	-	-	F028 140 404		
			-	■	-	F045 149 510		
			-	■	■	F046 149 594		

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

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

PAGE REFERENCES

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PLANNING DIMENSIONS

All dimensions in millimetres

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

MINIMUM REVEAL

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

Hinge dimensions and reveal calculation with factory setting

Fixing screws are not included

TIOMOS 110/90A

110° blind corner hinge (overlay)



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

Available in two versions:

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

ORDER INFORMATION FOR DRILLING PATTERN 45/9.5, NICKEL

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

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

ORDER INFORMATION FOR DRILLING PATTERN 45/9.5, NIGHT

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

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

PAGE REFERENCES

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

PLANNING DIMENSIONS

All dimensions in millimetres

Inset

Cross mounting plates with mounting distance 37

Linear mounting plates

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

Mounting plate height 0

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

Door overlay

MINIMUM GAP

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

NOTES

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

DRILLING PATTERNS 45/9.5

For screw fitting

For press fitting

Impresso combination drilling pattern

CUP DIMENSIONS

() Impresso

TIOMOS 110/90E

110° blind corner hinge (inset)



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

Available in three versions:

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

ORDER INFORMATION FOR DRILLING PATTERN 45/9.5, NICKEL

Door overlay		Damper		Without spring	Art. No.		
		With	Without		Click-on for screw fitting	Click-on for press fitting	Impresso tool-free
Inset ¹		■	-	-	F028 138536	F028 138546	F017 139342
		-	■	-	F045 138474	F045 138484	F034 139313
		-	■	■	F046 138596	F046 138606	F035 139370

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

ORDER INFORMATION FOR DRILLING PATTERN 45/9.5, NIGHT

Door overlay		Damper		Without spring	Art. No.		
		With	Without		Click-on for screw fitting		
Inset ¹		■	-	-	F028 140961		

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

PAGE REFERENCES

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

PLANNING DIMENSIONS

All dimensions in millimetres

Inset

Cross mounting plates with mounting distance 37

Linear mounting plates

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

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

Mounting plate height 3

MINIMUM REVEAL

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	
	Minimum reveal (F)					

NOTES

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 45/9.5

For screw fitting

For press fitting

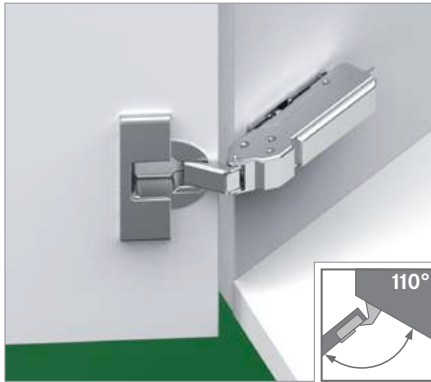
Impresso combination drilling pattern

CUP DIMENSIONS

() Impresso

TIOMOS 110/30A

+30° angle corner cabinet hinge (overlay)




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

Available in three versions:

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

ORDER INFORMATION FOR DRILLING PATTERN 45/9.5, NICKEL

Door overlay		Damper			Without spring	Art. No.	
		With	Without	Click-on for screw fitting		Click-on for press fitting	
Overlay ¹		■	-	-	F028 138529	-	
		-	■	-	F045 138467	-	
		-	■	■	F046 138589	F046 138599	

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

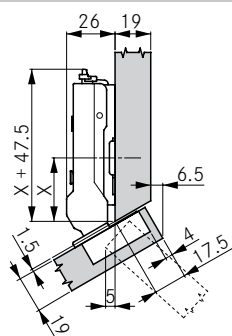
PAGE REFERENCES

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

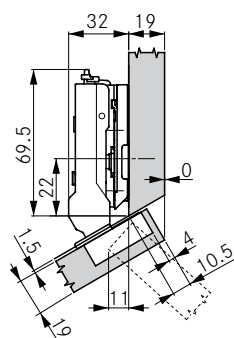
PLANNING DIMENSIONS

All dimensions in millimetres

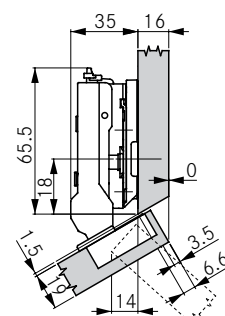
Overlay



Mounting plate height 0

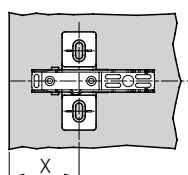


Mounting plate height 6

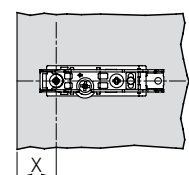


Mounting plate height 9

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					
16.0			2	3		
15.5						
15.0		2	3			
14.5						
14.0	2	3				
13.5						
13.0	3					
12.5				6		
11.5			6			
10.5		6				
	Mounting plate height					



Cross mounting plates with mounting distance 37



Linear mounting plates

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

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

NOTES

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

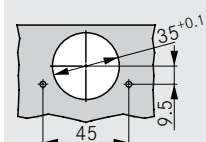
Minimum reveal for doors with chamfered edges (R = 1 mm) with factory setting.

Hinge dimensions and reveal calculation with factory setting.

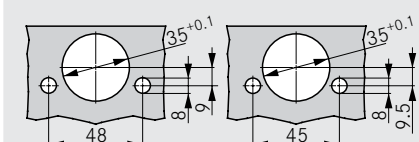
A trial fitting is recommended for door thicknesses from 24 mm.

DRILLING PATTERNS 45/9.5

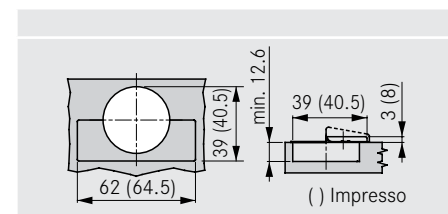
For screw fitting



Impresso combination drilling pattern



CUP DIMENSIONS



TIOMOS 110/30E

+30° corner cabinet hinge (inset)



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

Available in three versions:

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

ORDER INFORMATION FOR DRILLING PATTERN 45/9.5, NICKEL

Door overlay		Damper		Without spring	Art. No.		
		With	Without		Click-on for screw fitting	Click-on for press fitting	
Inset ¹		■	-	-	F028 138530	F028 138540	
		-	■	-	F045 138468	F045 138478	
		-	■	■	F046 138590	F046 138600	

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

PAGE REFERENCES

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

TIOMOS 110/37A

+37° angle corner cabinet hinge (overlay)



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

Available in three versions:

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

ORDER INFORMATION FOR DRILLING PATTERN 45/9.5, NICKEL

Door overlay		Damper		Without spring	Art. No.		
		With	Without		Click-on for screw fitting	Click-on for press fitting	Impresso tool-free
Overlay ¹		■	-	-	F028 138531	F028 138541	-
		-	■	-	F045 138469	F045 138479	F034 139308
		-	■	■	F046 138591	F046 138601	F035 139365

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

PAGE REFERENCES

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

PLANNING DIMENSIONS

All dimensions in millimetres

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					
13.0				6		
12.0			6			
11.0		6				
10.0	6					

Mounting plate height

Cross mounting plates with mounting distance 37

Linear mounting plates

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

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

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)

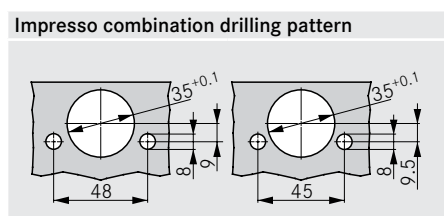
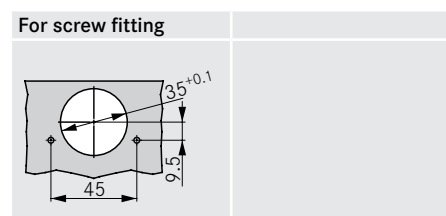
NOTES

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

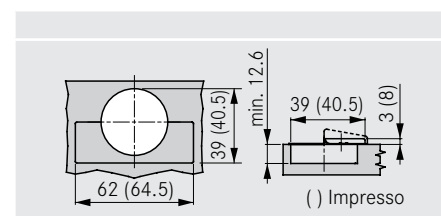
Minimum reveal for doors with chamfered edges (R = 1 mm) with factory setting.

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

DRILLING PATTERNS 45/9.5



CUP DIMENSIONS



TIOMOS 110/37E

+37° corner cabinet hinge (inset)



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

Available in three versions:

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

ORDER INFORMATION FOR DRILLING PATTERN 45/9.5, NICKEL

Door overlay		Damper		Without spring	Art. No.		
		With	Without		Click-on for screw fitting	Click-on for press fitting	Impresso tool-free
Inset ¹		■	-	-	F028 138532	F028 138542	-
		-	■	-	-	F045 138480	F034 139309
		-	■	■	F046 138592	F046 138602	F035 139366

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

PAGE REFERENCES

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

TIOMOS 110/45A

+45° angle corner cabinet hinge (overlay)



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

Available in three versions:

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

ORDER INFORMATION FOR DRILLING PATTERN 45/9.5, NICKEL

Door overlay		Damper		Without spring	Art. No.		
		With	Without		Click-on for screw fitting	Click-on for press fitting	Impresso tool-free
Overlay ¹		■	-	-	F028 138533	F028 138543	F017 139339
		-	■	-	F045 138471	-	F034 139310
		-	■	■	F046 138593	-	F035 139367

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

ORDER INFORMATION FOR DRILLING PATTERN 45/9.5, NIGHT

Door overlay		Damper		Without spring	Art. No.		
		With	Without		Click-on for screw fitting		
Overlay ¹		■	-	-	F028 140962		

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

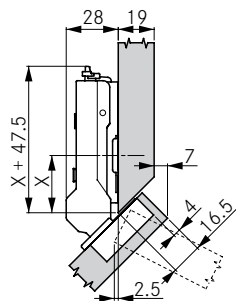
PAGE REFERENCES

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

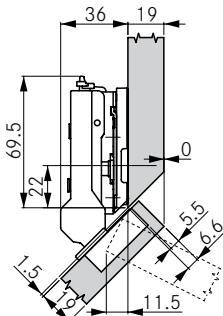
PLANNING DIMENSIONS

All dimensions in millimetres

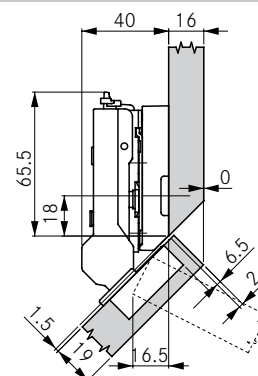
Overlay



Mounting plate height 0

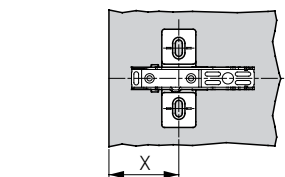


Mounting plate height 8

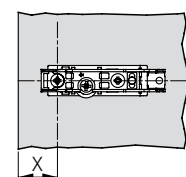


Mounting plate height 12

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



Cross mounting plates with mounting distance 37



Linear mounting plates

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

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

MINIMUM GAP

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

MINIMUM REVEAL

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

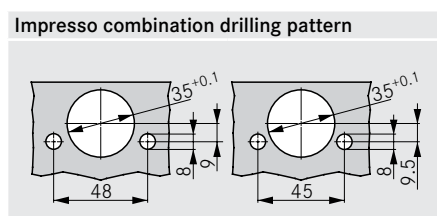
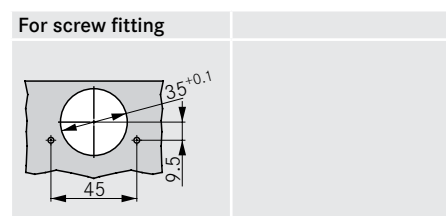
NOTES

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

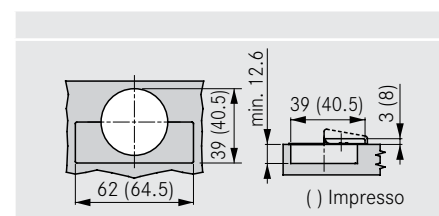
Minimum reveal for doors with chamfered edges (R = 1 mm) with factory setting.

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

DRILLING PATTERNS 45/9.5



CUP DIMENSIONS



TIOMOS 110/45E

+45° corner cabinet hinge (inset)



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

Available in three versions:

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

ORDER INFORMATION FOR DRILLING PATTERN 45/9.5, NICKEL

Door overlay		Damper		Without spring	Art. No.		
		With	Without		Click-on for screw fitting	Click-on for press fitting	Impresso tool-free
Inset ¹		■	-	-	F028 138534	F028 138544	F017 139340
		-	■	-	F045 138472	F045 138482	-
		-	■	■	-	F046 138604	F035 139368

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

ORDER INFORMATION FOR DRILLING PATTERN 45/9.5, NIGHT

Door overlay		Damper		Without spring	Art. No.		
		With	Without		Click-on for screw fitting		
Overlay ¹		■	-	-	F028 140418		

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

PAGE REFERENCES

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

PLANNING DIMENSIONS

All dimensions in millimetres

Inset

Mounting plate height 0

Mounting plate height 14

Cross mounting plates with mounting distance 37

Door reveal	Cup distance					
	3	4	5	6	7	
1			0			
2		0			2	
3	0			2	3	
4			2	3		
5		2	3			
6	2	3				
7	3					
Mounting plate height						
Mounting plate height						
	0	2	3			
	37	35	34			
Cross mounting plate position (X)						

Door overlay	Cup distance					
	3	4	5	6	7	
22		15.5				
21	14		15			
20			14	15	15.5	
19	12			15	15	
18		12			14	
17			12			
16				12		
15	9				12	
Mounting plate height						
Cup distance						
	3	4	5	6	7	
	22		53.0			
	21	53.0		51.5		
	20			51.0	50.5	50.0
	19	52.0			50.0	49.0
	18		50.5			48.5
	17			49.0		
	16				47.5	
	15	49.0				46.0
Cross mounting plate position (X)						

MINIMUM REVEAL

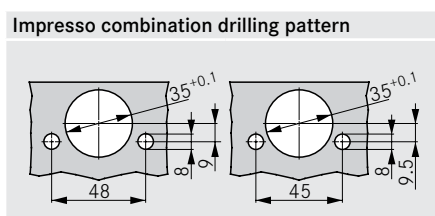
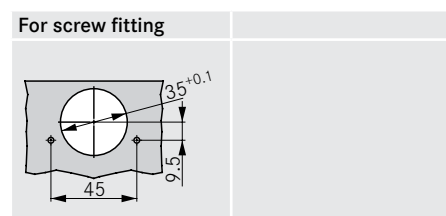
Door thickness	Cup distance					
	3	4	5	6	7	
24.0	2.4	2.1	2.1	2.1	2.0	
22.0	1.6	1.6	1.6	1.5	1.5	
21.0	1.4	1.3	1.3	1.3	1.3	
20.0	1.1	1.1	1.1	1.1	1.1	
19.0	0.9	0.9	0.9	0.9	0.9	
18.0	0.7	0.7	0.7	0.7	0.7	
17.0	0.6	0.6	0.6	0.6	0.6	
16.0	0.6	0.6	0.6	0.6	0.6	
Minimum reveal (F)						

NOTES

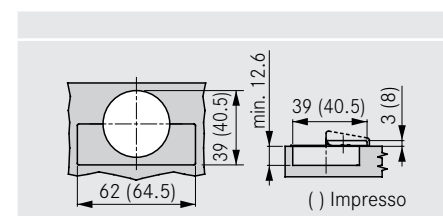
Minimum reveal for doors with chamfered edges (R = 1 mm) with factory setting.

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

DRILLING PATTERNS 45/9.5

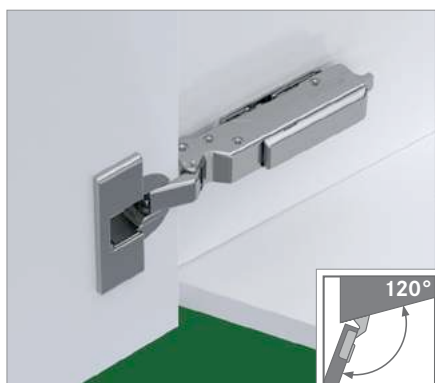


CUP DIMENSIONS



TIOMOS 120/-15A

-15° angle corner cabinet hinge (overlay)



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

Available in two versions:

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

ORDER INFORMATION FOR DRILLING PATTERN 45/9.5, NICKEL

Door overlay		Damper		Without spring	Art. No.		
		With	Without		Click-on for screw fitting	Click-on for press fitting	Impresso tool-free
Overlay ¹		■	-	-	F028 138555	-	F017 139347
		-	■	-	F045 138493	F045 138496	F034 139318

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

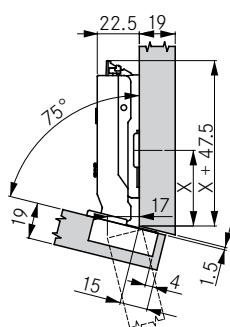
PAGE REFERENCES

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

PLANNING DIMENSIONS

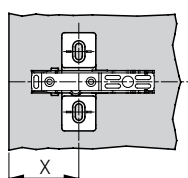
All dimensions in millimetres

Overlay

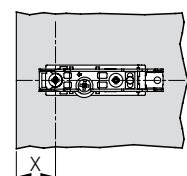


Mounting plate height 0

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



Cross mounting plates with mounting distance 37



Linear mounting plates

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

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

MINIMUM REVEAL

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

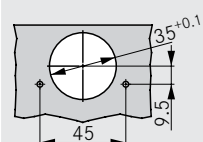
NOTES

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

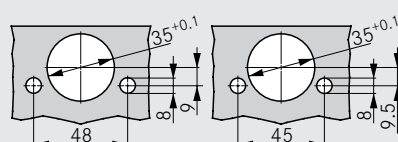
We recommend a trial fitting.

DRILLING PATTERNS 45/9.5

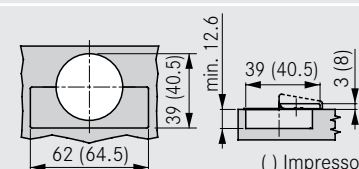
For screw fitting



Impresso combination drilling pattern



CUP DIMENSIONS



TIOMOS 120/-30A

-30° angle corner cabinet hinge (overlay)



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

Available in two versions:

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

ORDER INFORMATION FOR DRILLING PATTERN 45/9.5, NICKEL

Door overlay		Damper		Without spring	Art. No.		
		With	Without		Click-on for screw fitting	Click-on for pressfitting	Impresso tool-free
Overlay ¹		■	-	-	F028 138556	F028 138559	F017 139348
		-	■	-	F045 138494	F045 138497	F034 139319

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

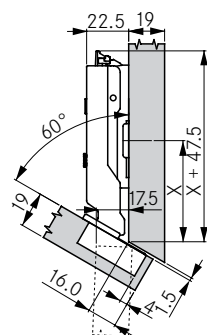
PAGE REFERENCES

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

PLANNING DIMENSIONS

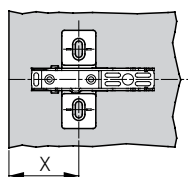
All dimensions in millimetres

Overlay

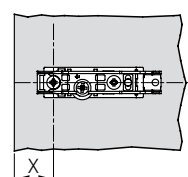


Mounting plate height 0

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



Cross mounting plates with mounting distance 37



Linear mounting plates

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

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

MINIMUM REVEAL

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

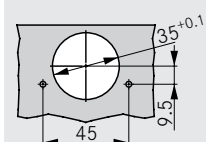
NOTES

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

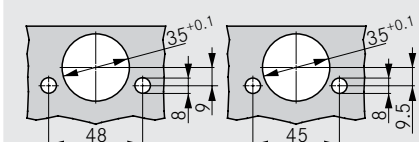
We recommend a trial fitting.

DRILLING PATTERNS 45/9.5

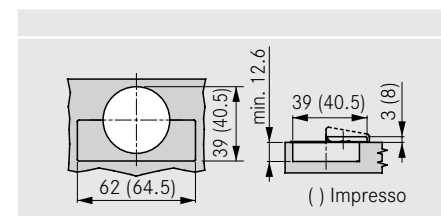
For screw fitting



Impresso combination drilling pattern



CUP DIMENSIONS



TIOMOS 120/-45A

-45° corner cabinet hinge (overlay)



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

Available in two versions:

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

ORDER INFORMATION FOR DRILLING PATTERN 45/9.5, NICKEL

Door overlay		Damper		Without spring	Art. No.		
		With	Without		Click-on for screw fitting	Click-on for press fitting	
Overlay ¹		■	-	-	F028 138557	F028 138560	
		-	■	-	F045 138495	F045 138498	

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

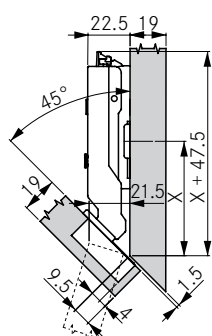
PAGE REFERENCES

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

PLANNING DIMENSIONS

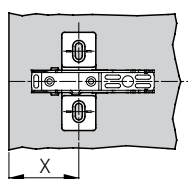
All dimensions in millimetres

Overlay

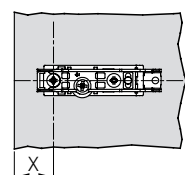


Mounting plate height 0

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



Cross mounting plates with mounting distance 37



Linear mounting plates

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

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

MINIMUM REVEAL

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

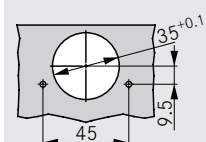
NOTES

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

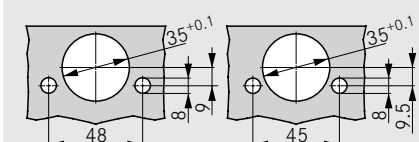
We recommend a trial fitting.

DRILLING PATTERNS 45/9.5

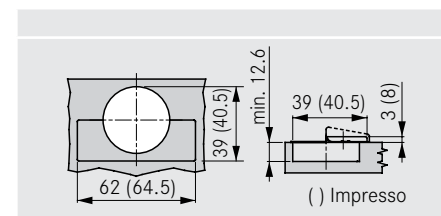
For screw fitting



Impresso combination drilling pattern

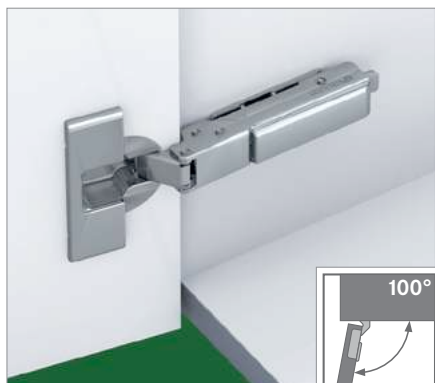


CUP DIMENSIONS



TIOMOS 100

100° refrigerator hinge




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

Available in one version:

- Without integrated damper

ORDER INFORMATION FOR DRILLING PATTERN 45/9.5, NICKEL

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

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

PAGE REFERENCES

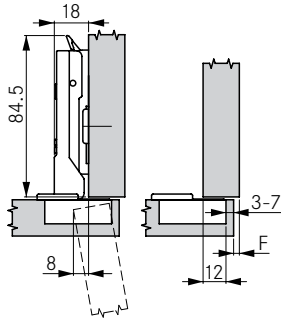
Tiomos mounting plates	60
Accessories	70
Technical information	74

Assembly technology	225
Assembly aids	230

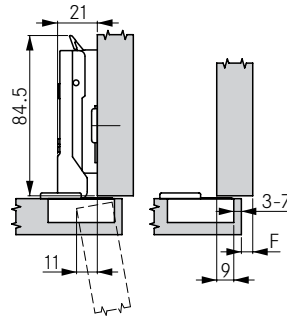
PLANNING DIMENSIONS

All dimensions in millimetres

Overlay



Mounting plate height 0



Mounting plate height 3

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

MINIMUM GAP

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

MINIMUM REVEAL

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

NOTES

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

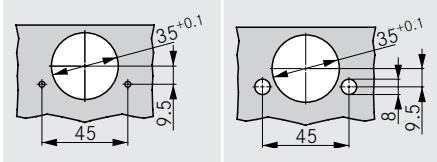
Minimum reveal for doors with chamfered edges (R = 1 mm) with factory setting.

Hinge dimensions and reveal calculation with factory setting.

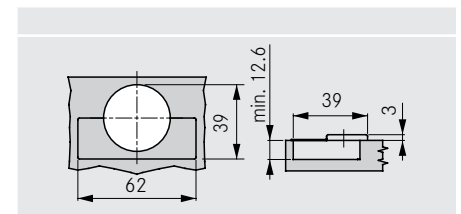
A trial fitting is recommended for door thicknesses from 24 mm.

DRILLING PATTERNS 45/9.5

For screw fitting

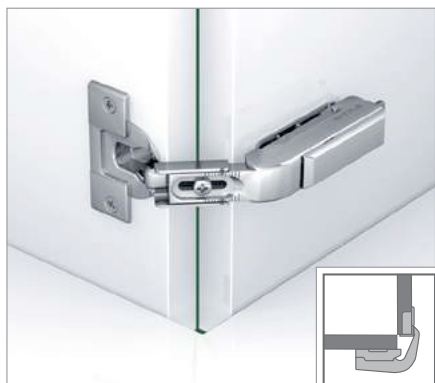


CUP DIMENSIONS



TIOMOS PCC

Pie-cut corner hinge



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

Available in one version:

- Without integrated damper

ORDER INFORMATION FOR DRILLING PATTERN 45/9.5, NICKEL

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

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

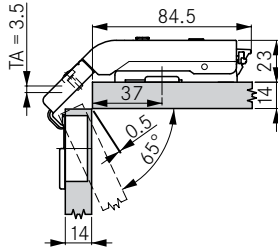
PAGE REFERENCES

Tiomos mounting plates	60
Accessories	70
Technical information	74

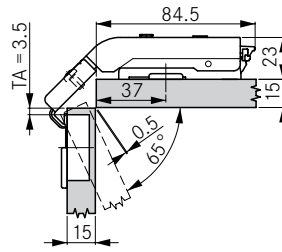
Assembly technology	225
Assembly aids	230

PLANNING DIMENSIONS

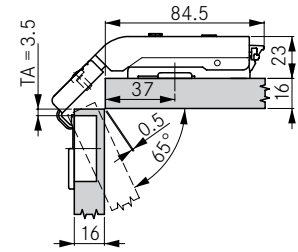
All dimensions in millimetres



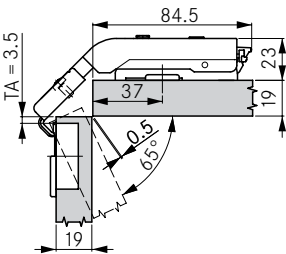
Door thickness (TS) 14 mm
Cup distance (TA) 3.5 mm
Mounting plate height 0



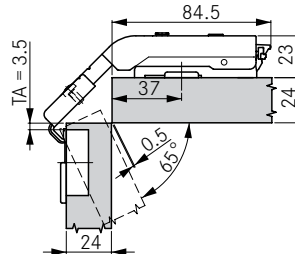
Door thickness (TS) 15 mm
Cup distance (TA) 3.5 mm
Mounting plate height 0



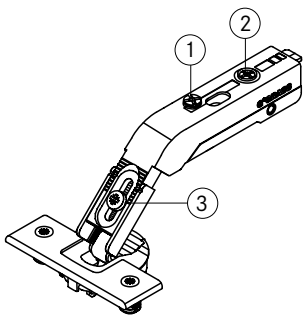
Door thickness (TS) 16 mm
Cup distance (TA) 3.5 mm
Mounting plate height 0



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



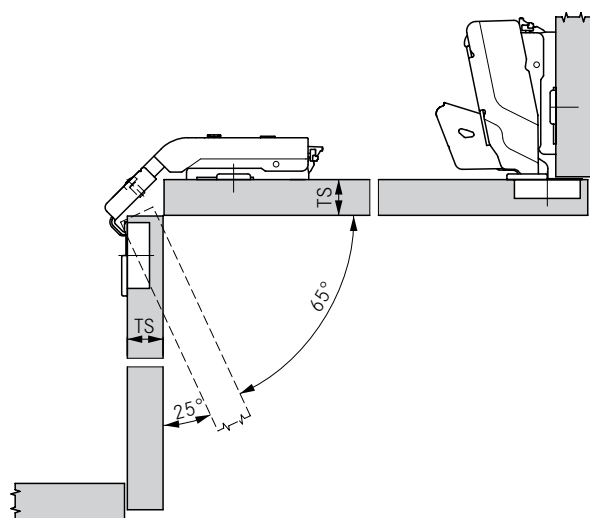
Door thickness (TS) 24 mm
Cup distance (TA) 3.5 mm
Mounting plate height 0



Adjustment in the hinge arm:

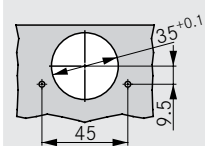
1. Stepless side adjustment ± 2 mm
2. Stepless depth adjustment via worm screw $+3/-2$ mm
3. Door thickness 14–24 mm (factory setting 19 mm)

Height adjustment via mounting plate

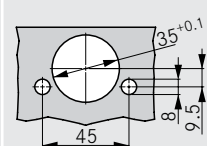


DRILLING PATTERNS 45/9.5

For screw fitting



For press fitting



CUP DIMENSIONS

