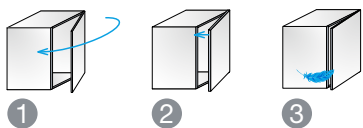
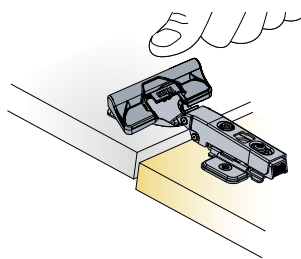


Glissando Soft Closing Systems for Hinges



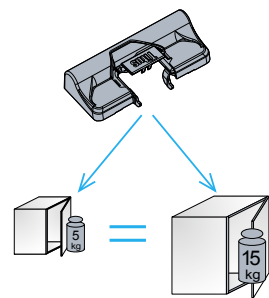
ConfidentClose

- 1 Fast closing
- 2 Late start of deceleration action
- 3 Quiet landing with 'SoftTouch'



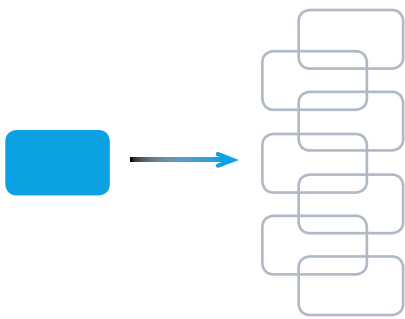
Tool-less mounting

- Reduced assembly time
- Flexible usage also as a retrofit option



Consistent Performance

- Only one Glissando for two to three hinges
- Allows for consistent performance on a wide range of door dimensions and weights



One-for-all

- One item fits multiple applications
- Same item can be used on all crankings and angled hinges



Titus Damper Inside

- Titus proprietary multi-purpose damping technology
- Reliable and consistent damping

Glissando Add-on

Soft Closing Range

How to Choose the Right Glissando?

Glissando TT
Glissando TL3
Glissando TL 170
Glissando CR
Glissando AL

Titus Glissando soft closing system is available for the whole range of hinge applications. The user can choose between add-on or stand-alone solutions.

Concealed hinges	Add-on hinge soft closing solutions			Stand-alone door soft closing solution	
	Glissando TT	Glissando TL3	Glissando TL 170	Glissando CR	Glissando AL
T-type 95	X			X	X
T-type 110	X			X	X
T-type 110/15°	X				
T-type 110/30°	X				
T-type 110/45°	X				
T-type 110/90°	X				
T-type 120	X			X	X
T-type 170			X	X	X
S-type 110		X		X	X
S-type 110/15°		X			
S-type 110/24°		X			
S-type 110/30°		X			
S-type 110/45°		X			
S-type 110/90°		X			
S-type 170			X	X	X
S-type 110 AL					X
B-type 110		X		X	X
B-type 110/30°		X			
B-type 110/45°		X			
B-type 110/90°		X			
B-type 170			X	X	X
B-type 110 AL					X

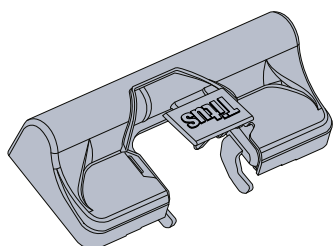


Titus Glissando soft closing devices can not be used with unsprung and reverse spring hinges.
→ for details check page 2.24

Glissando TT 'One-for-all'

T-type

- One item fits multiple applications
- Same item can be used on all crankings and angled hinges
- Designed to fit the concealed hinge cup
- Tool-less mounting
- Suitable for different types of cabinets for kitchens, living rooms, bathrooms and other furniture



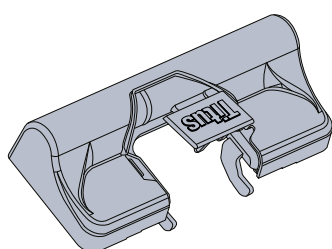
T-type 95 0mm		T-type 110/15° 9mm	
T-type 110 0mm		T-type 110/30° 9mm	
T-type 110 5mm		T-type 110/45° 9mm	
T-type 110 9mm		T-type 110/45° 17mm	
T-type 110 17mm		T-type 110/45° 23mm	
T-type 120 0mm		T-type 110/90° 17mm	

Glissando

Application

Glissando TL3 'One-for-all'

S-type B-type



- One item fits multiple applications
- Same item can be used on all crankings and angled hinges
- Adjustable damping enables perfect functioning on every door
- Designed to fit the concealed hinge cup
- Tool-less mounting
- Suitable for different types of cabinets for kitchens, living rooms, bathrooms and other furniture

S-type 110
0mm



B-type 110
0mm

S-type 110
9mm



B-type 110
9mm

S-type 110
15mm



B-type 110
15mm

S-type 110/15°
9mm



B-type 110/30°
9mm

S-type 110/24°
9mm



B-type 110/45°
9mm

S-type 110/30°
9mm



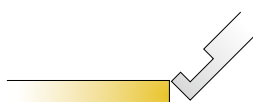
B-type 110/45°
18mm

S-type 110/45°
9mm



B-type 110/90°
18mm

S-type 110/45°
18mm



S-type 110/90°
18mm



Glissando

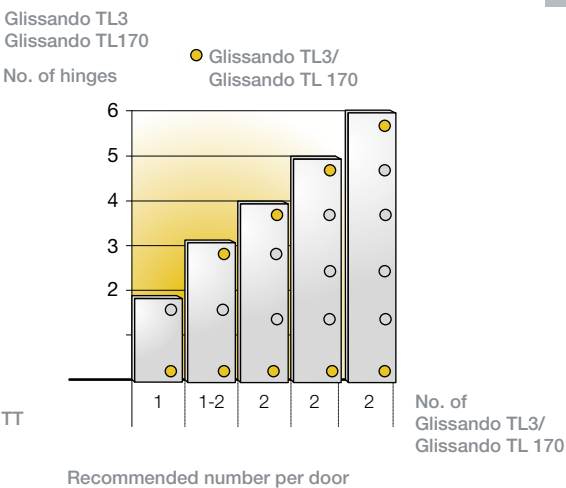
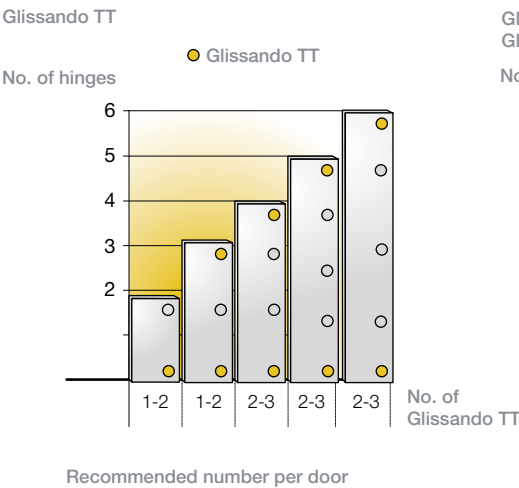
Number per Door and Positioning

How Many Glissandos per Door?

Add-on hinge soft closing solution

Glissando TT
Glissando TL3
Glissando TL 170

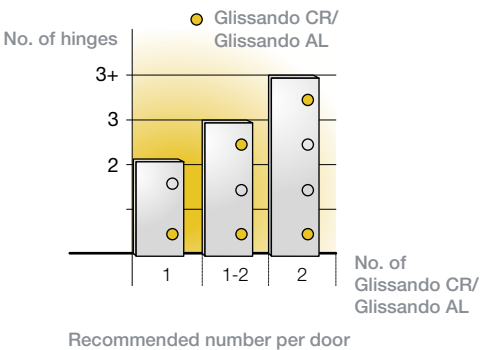
Number of Glissando per door depends on door dimensions, door weight, hinge arrangement.
Trial mounting is recommended.



Stand-alone soft closing solution

Glissando CR
Glissando AL

Mount Glissando CR/AL on the hinged side of the cabinet on the top or bottom.



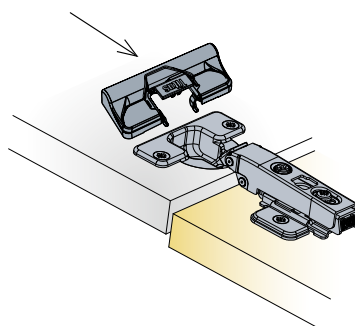
Glissando

Mounting

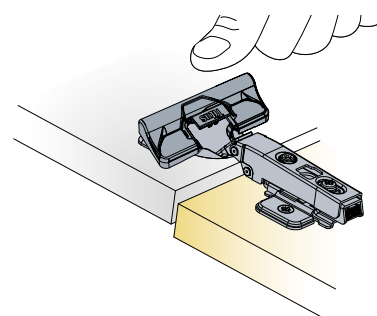
How to Mount Glissando?

Tool-less mounting

Glissando TL3
Glissando TT
Glissando TL 170



Simple tool-less assembly: Insert Glissando into the holes on the hinge and press down with hand.



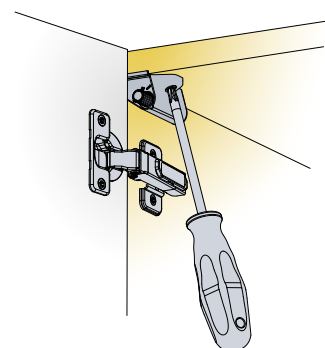
The tool-less 'snap on' version for reduced assembly time and flexibility of application. Glissando TL can be mounted at any time after furniture assembly so can be offered as a retro fit option by the installer.

Screw-on into the cabinet corner

Glissando CR

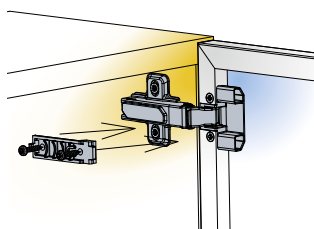
Glissando CR is mounted into the cabinet corner by using chipboard screws 20mm long.

Glissando dampers' discreet design enhances the look of the door and occupies minimal space in the cabinet interior.

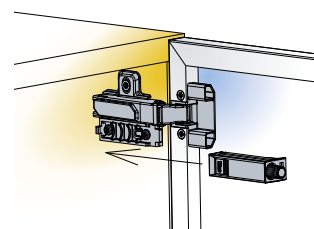


Screw-on onto the mounting plate

Glissando AL



Position the mounting plate below the hinge arm and fix with two screws. Use hinge mounting plate as a reference.



Slide Glissando AL onto the mounting plate

Glissando

Damping Adjustment

How to Adjust Damping?

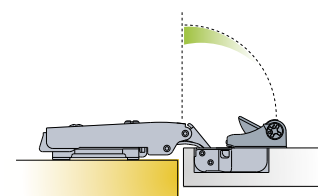
Add-on hinge soft closing solution

Glissando TL 170

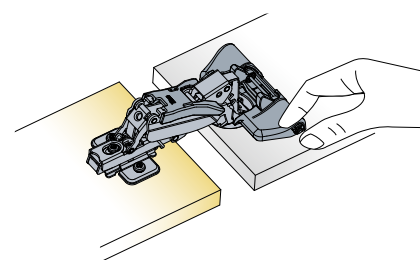
Glissando features quarter turn adjustment to provide optimal closing speed for any door dimensions and weight.

The damping function can be adjusted to fit different door weights which enables

- perfect door functioning
- use of the same type of Glissando for various doors



Adjustable damping zone

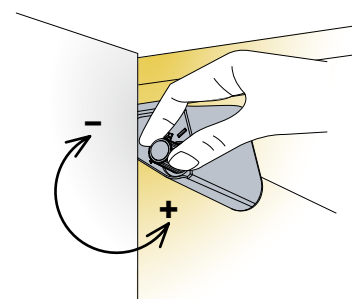


Turn towards '+' to increase and '-' to decrease the damping

Stand-alone soft closing solution

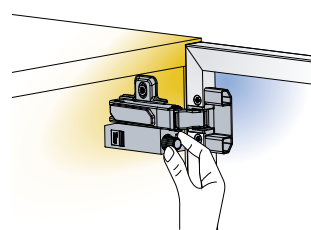
Glissando CR
Glissando AL

Turn towards '+' to increase or towards '-' to decrease the damping.



Damping adjustment

- Simple mounting
- Intuitive damping adjustment



Turn towards '+' to increase and '-' to decrease the damping

Glissando

Titus Damper Inside

Titus Hydraulic Damper

Efficient modular design

- Low number of assembly parts enables quick development of customised solutions
- Engineered for efficient and high precision manufacturing
- Wide range of applications

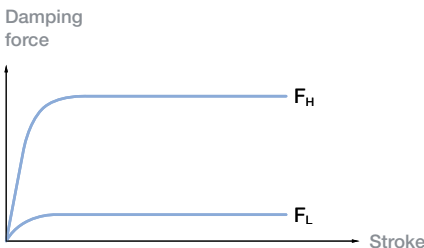


Wide operating scope

- High coefficient γ of Titus damper assures efficient damping at any closing speed
- Damping force can be easily adapted to customer needs

$$\gamma = \frac{F_H}{F_L}$$

F_H – damping force at slam speed (12mm/s)
 F_L – damping force at slow speed (1mm/s)



Reliable damping and closing at any speed

Higher coefficient γ means reliable damping at high speed and ensures that the system will reach its final position even at very slow speed

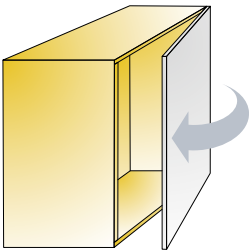
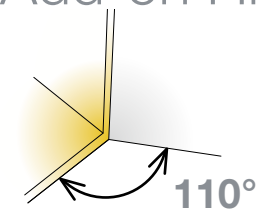


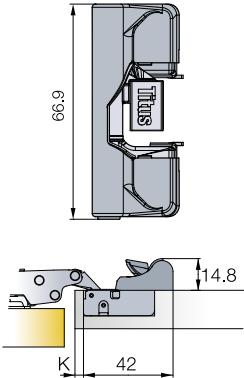
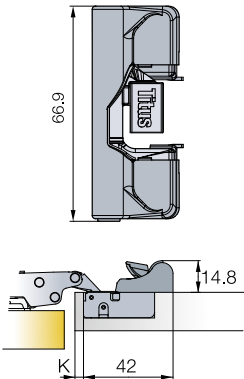
Glissando TT

Glissando TL3

Add-on Hinge Damper

For 95°, 110° and 120° hinges

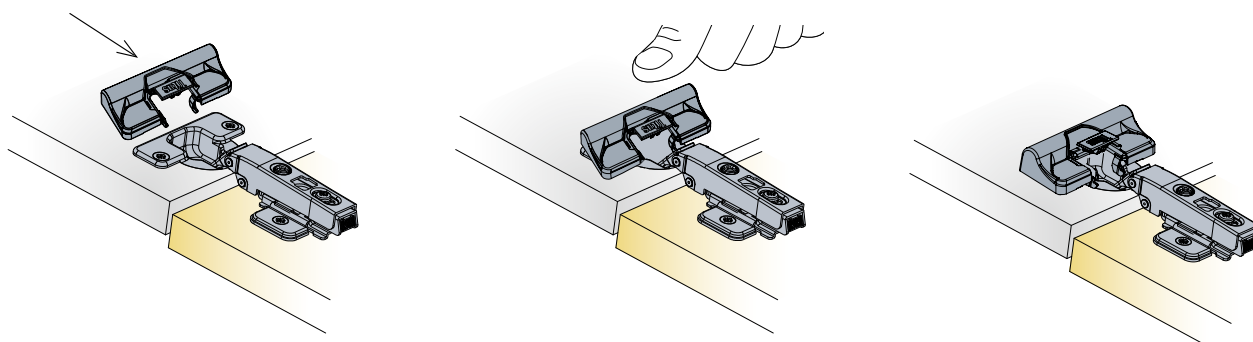


Technical details		Hinge opening angle	Item number
Glissando TT • T-type 95 • T-type 110 • T-type 120   200 Pcs Made of steel and plastic		95°, 110°, 120°	729-0K71-054
		110°	951-0D45-054
Glissando TL3 • S-type 110 • B-type 110   200 Pcs Made of steel and plastic			

- Same item can be used on most of crankings and angled hinges
- Intuitive snap-on mounting
- Low protrusion in cabinet interior
- Consistent performance across a broad range of furniture doors

Mounting details

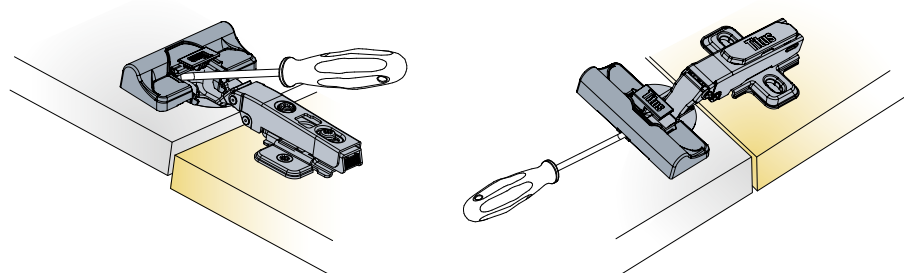
Tool-less mounting



Insert Glissando TL into the holes on the hinge

Press down

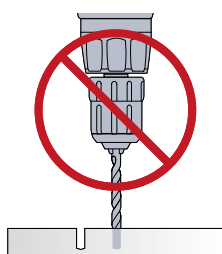
Dismounting details



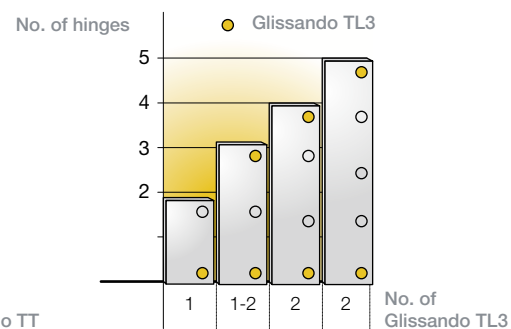
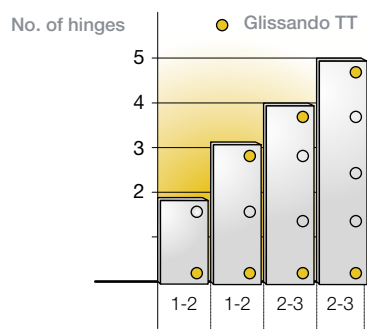
Use flat screwdriver

A trial mounting is always recommended.

Recommended number of Glissandos per door



No additional drilling is required

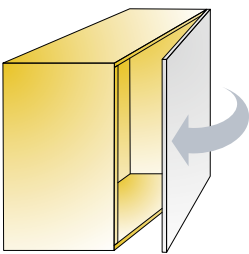
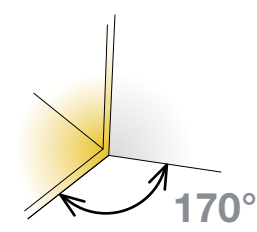


Glissando TL 170

Add-on Hinge

Door Soft Close

For T-type 170, S-type 170 and B-type 170



Glissando TL 170

Technical details

Hinge
opening angle

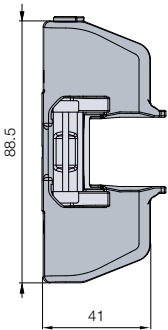
Item
number

170°

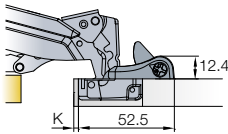
951-0F15-650



Soft closing mechanism



Striking plate



Box content
100 pcs soft closing
mechanisms
100 pcs striking plates

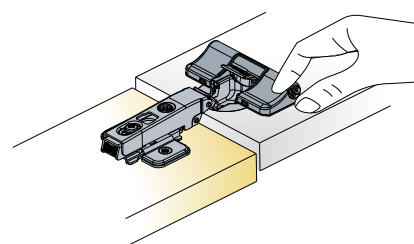


100 Pcs

Made of steel and plastic

- Gentle and reliable soft closing on doors with wider opening angle
- Fits perfectly 45/9.5mm, 48/6mm and 52/5.5mm hinge cups
- ConfidentClose
- Tool-less mounting

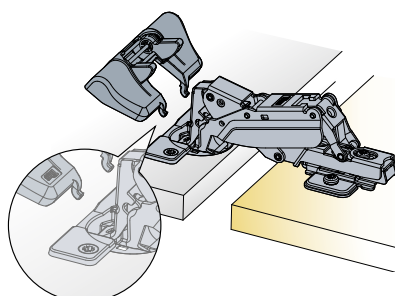
Damping adjustment



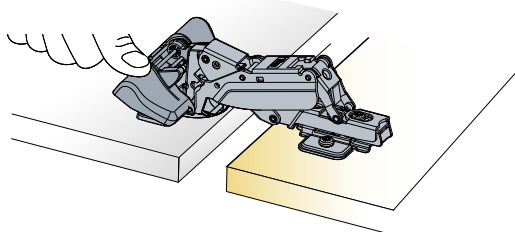
Turn towards '+' to increase and '-' to decrease the damping

Mounting details

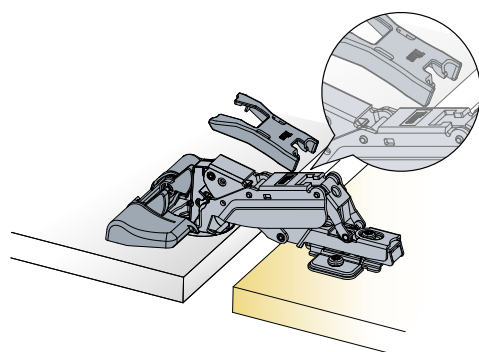
Tool-less mounting



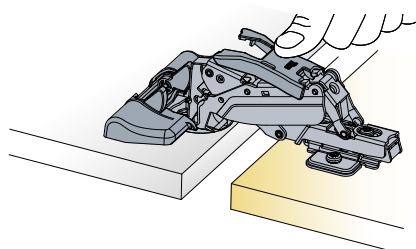
Insert Glissando TL 170 into the holes on the hinge cup



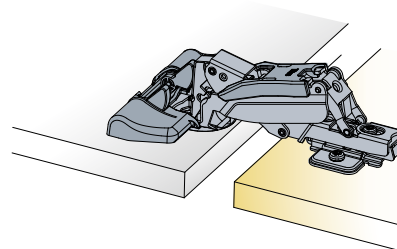
Press down



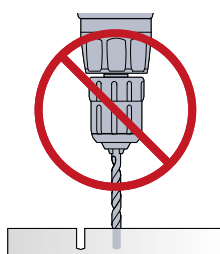
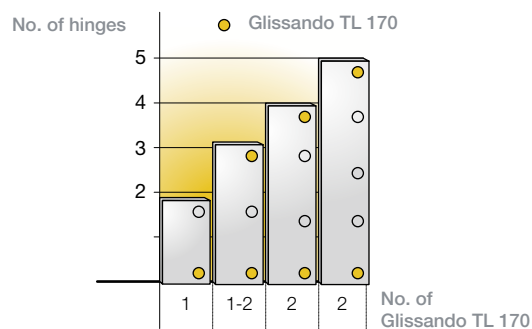
Place the striking plate into the hole on the hinge arm



Press down



Recommended number of Glissandos per door



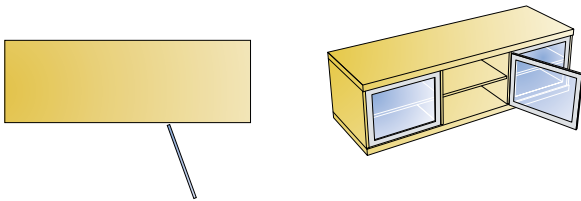
No additional drilling is required

Glissando AL

Add-on Hinge

Door Soft Close

For 20mm aluminium frame doors



- Simple mounting
- Intuitive damping adjustment

		Technical details	Item number	Grey
Glissando AL 			972-0420 →	380
200 Pcs				
Full overlay mounting plate 			972-4564 →	380
200 Pcs				
Half overlay mounting plate 			972-4565 →	380
200 Pcs				
Inset door mounting plate 			972-4566 →	380
200 Pcs				

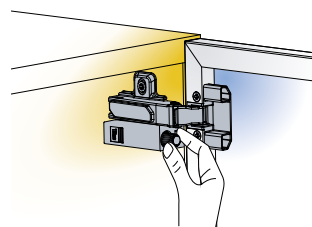
Hinge cup screws
 If not pre-mounted

1000 Pcs

972-6344-042

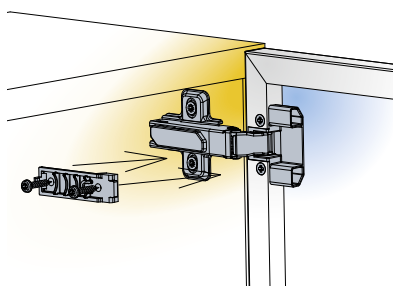
- Simple mounting
- Intuitive damping adjustment

Damping adjustment

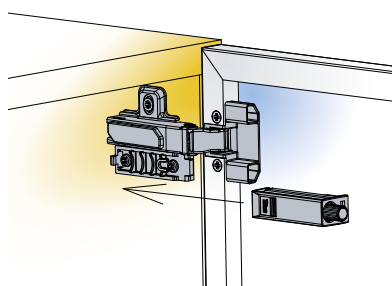


Turn towards '+' to increase and '-' to decrease the damping

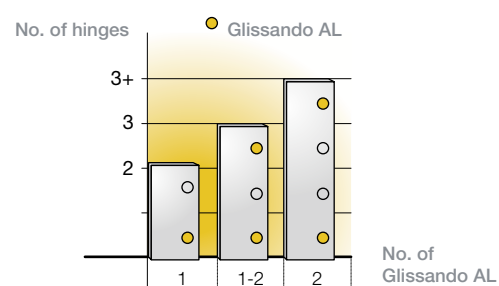
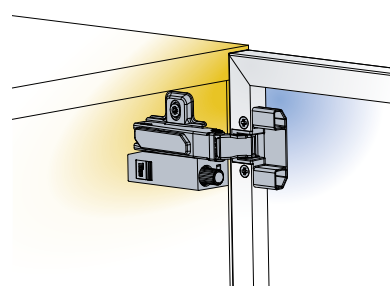
Mounting procedure



Position the mounting plate below the hinge arm and fix it with two screws. Use hinge mounting plate as a reference.



Slide Glissando AL onto the mounting plate.



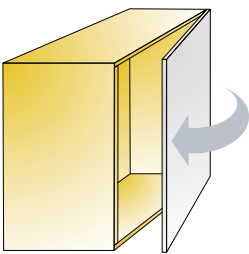
Recommended number per door

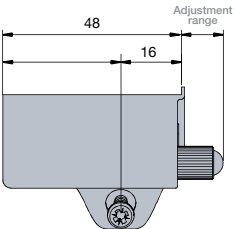
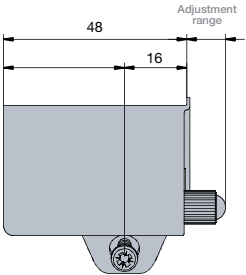
Glissando CR

Stand-alone

Door Soft Close

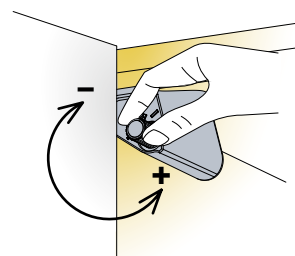
For full overaly and half overaly
concealed hinges



		Technical details	Hinge opening angle	Cranking	Item number	White housing	Grey housing	Beige housing	
Glissando CR for full overlay hinges 		Nominal 11 (Adjustment: Nominal + 5mm) 	110°	0mm, 5mm	972-0X19 →↔	350	380	360	*Fixing screw included in a set
 100 Pcs Made of plastic									
Glissando CR for half overlay hinges 		Nominal 10 (Adjustment: Nominal + 5mm) 	110°	9mm, 17mm	972-0X34 →↔		380		*Fixing screw included in a set
 100 Pcs Made of plastic									

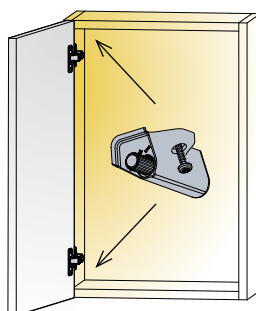
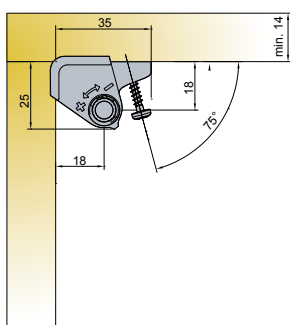
- Intuitive 'place and fix' installation in the corner of the cabinet
- Tool-less damping adjustment
- One item for a wide range of doors
- Reliable performance

Damping adjustment

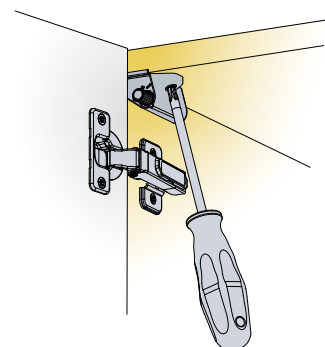


Turn towards '+' to increase and towards '-' to decrease the damping

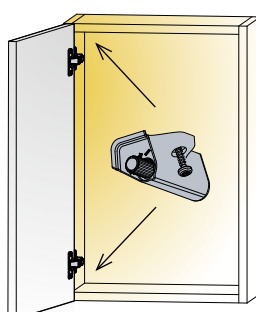
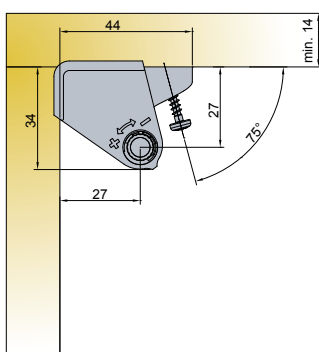
Mounting details



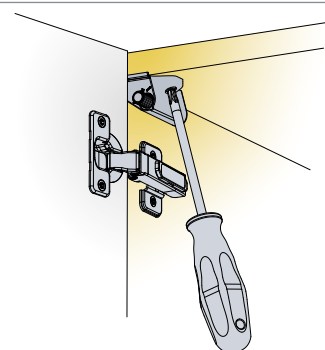
Mount Glissando CR on the hinged side of the cabinet



One screw fixing



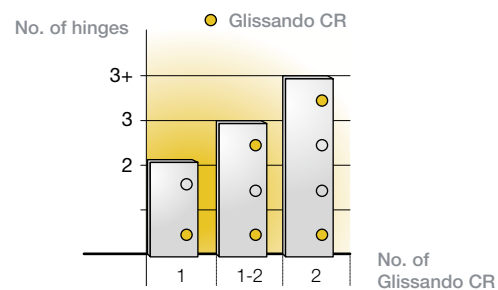
Mount Glissando CR on the hinged side of the cabinet



One screw fixing



The functioning of Glissando CR depends of the hinge's closing force. A trial mounting is always recommended.



Recommended number per door