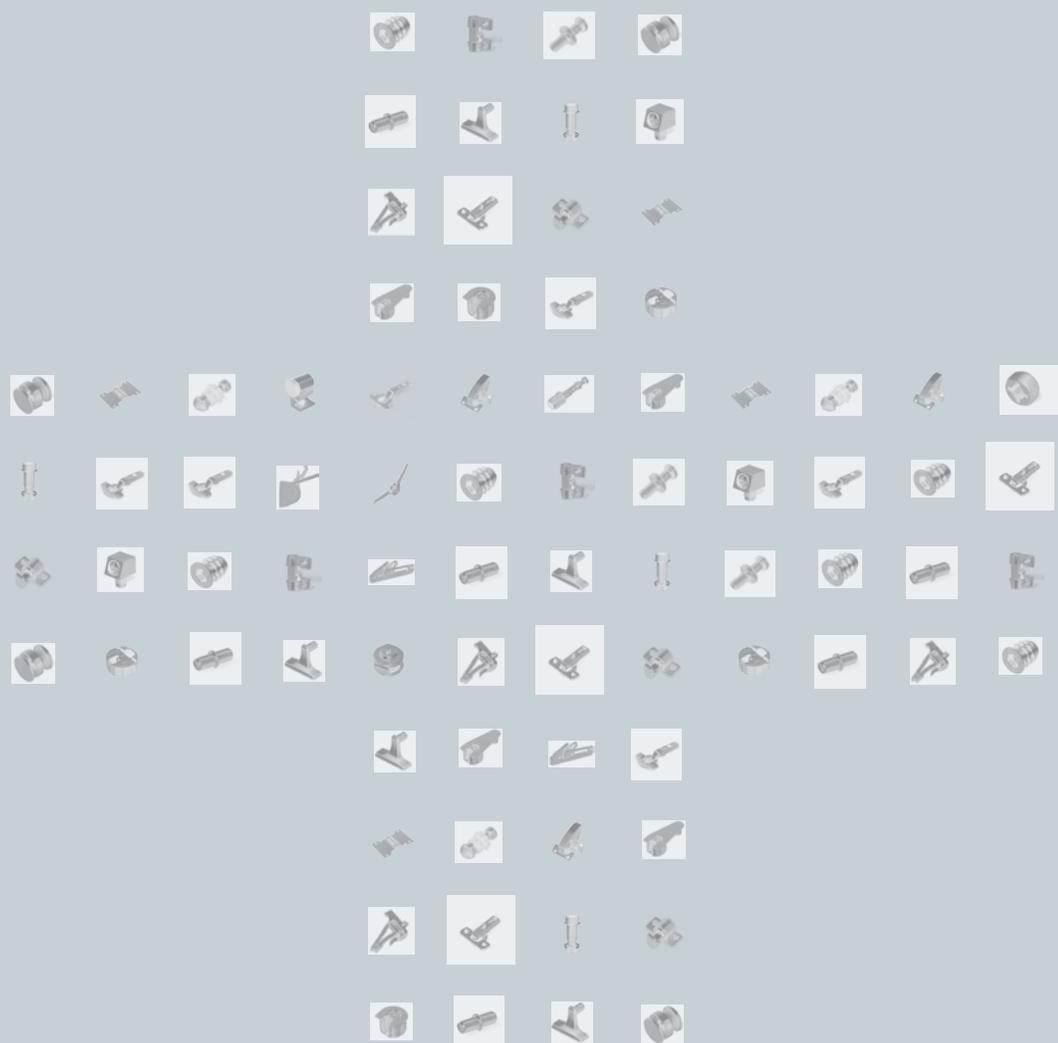


# Glissando

## Soft closing systems



# Glissando

## Product guide

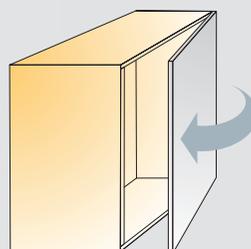
Page

### Glissando for concealed hinges

#### Add-on hinge soft closing solution

2.11

Glissando TL  
Glissando BS  
Glissando TL 170

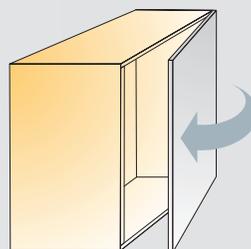


- effortless silent and safe door closing
- fits the hinge's standard drilling patterns
- easy retrofit installation
- adjustable to different door sizes and weights
- perfect door motion
- doesn't occupy additional space inside the cabinet

#### Stand-alone door soft closing solution

2.15

Glissando CR



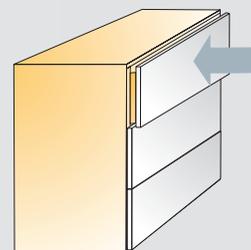
- effortless silent and safe door closing
- easy retrofit installation
- adjustable to different door sizes and weights
- perfect door motion

### Glissando for drawers

#### Stand-alone drawer soft closing solution

2.17

Titusoft for wooden drawers  
Titusoft for metal drawers



- self closing and soft closing in single mechanism
- safe drawer closing
- easy retrofit installation



# Glissando

## for concealed hinges

### Information

## How to choose the right Glissando?

Titus Glissando soft closing system is available for the whole range of hinge applications. The user can choose

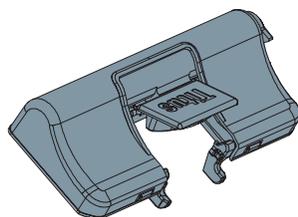
between add-on hinge or stand-alone solutions.

Concealed hinges	Add-on hinge soft closing solutions			Stand-alone door soft closing solution
	Glissando TL	Glissando BS	Glissando TL 170	Glissando CR
ST plus 110	X	X		X
ST plus 125		X		X
ST 110	X	X		X
ST 110/15°	X	X		
ST 110/24°	X	X		
ST 110/30°	X	X		
ST 110/45°	X	X		
ST 110/90°	X	X		
ST 170			X	X
Basic 110	X	X		X
Basic 110/30°	X	X		
Basic 110/45°	X	X		
Basic 110/90°	X	X		
Basic 170			X	X
Miniprimat 95				X



# Glissando TL 'one for all'

- 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
- Toolless mounting
- Suitable for different types of cabinets for kitchens, living rooms, bathrooms and other furniture



ST plus 110  
0mm  
ST 110  
0mm



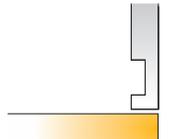
Basic 110  
0mm

ST plus 110  
9mm  
ST 110  
9mm



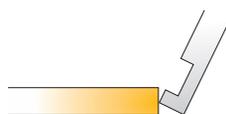
Basic 110  
9mm

ST 110  
15mm



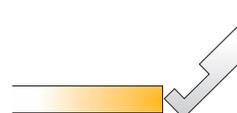
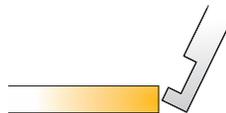
Basic 110  
15mm

ST 110/15°  
9mm



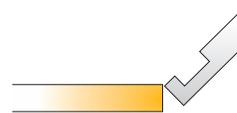
Basic 110/30°  
9mm

ST 110/24°  
9mm



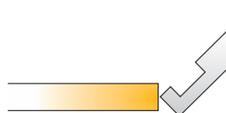
Basic 110/45°  
9mm

ST 110/30°  
9mm



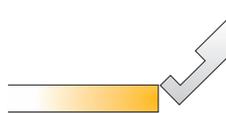
Basic 110/45°  
18mm

ST 110/45°  
9mm



Basic 110/90°  
0mm

ST 110/45°  
18mm



Basic 110/90°  
18mm

ST 110/90°  
18mm



# Glissando for concealed hinges Information



Titus Glissando soft closing devices can not be used with free-swinging door hinges.

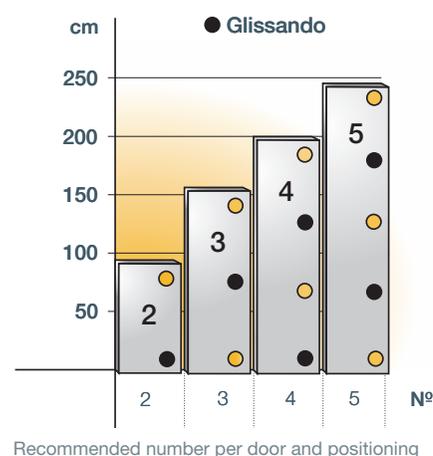
→ see page 3.18 for details

## How many Glissandos per door?

### Add-on hinge soft closing solution

Glissando BS  
Glissando TL  
Glissando TL170

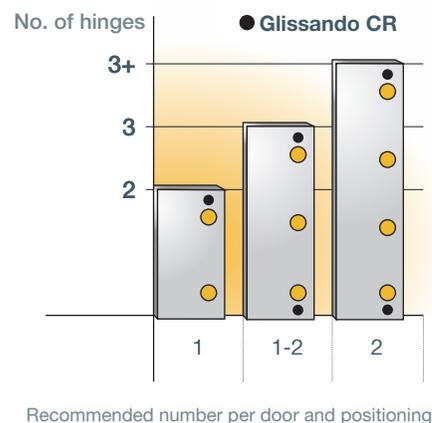
Mount Glissando on the bottom hinge in case of 2 hinges on the door or on the middle hinge in case of 3 hinges on the door.



### Stand-alone soft closing solution

Glissando CR

Mount a CR on the hinged side of the cabinet on the top or bottom.

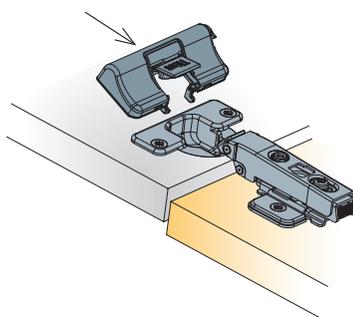




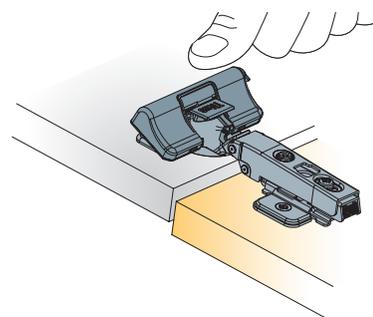
## How to mount Glissando?

### Tool-less mounting

Glissando TL  
Glissando TL 170



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

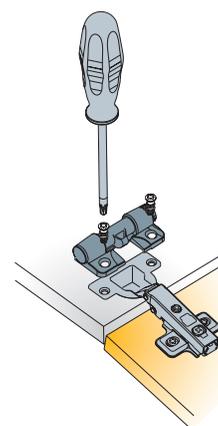


The tool-less 'snap on' version for reduced assembly time and flexibility of application. Glissando TL can be mounted at any time after furniture assembly so can be offered as a retro fit option by the installer.

### Screw-on on the hinge cup

Glissando BS

Glissando BS system is mounted on the hinge cup by using cup fixing screws. The fixing screws must be at least 15mm long.

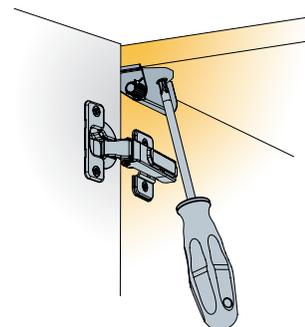


### Screw-on into the cabinet corner

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.



# Glissando for concealed hinges Information

## Adjustment of the damping

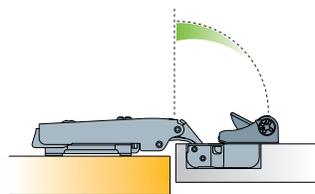
### Add-on hinge soft closing solution

Glissando TL  
Glissando BS  
Glissando TL 170

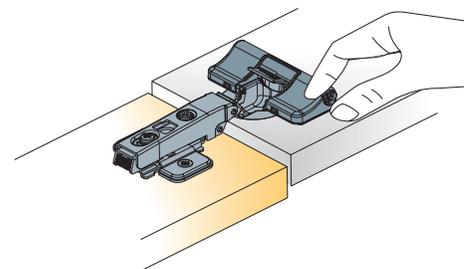
Glissando features quarter turn adjustment to provide optimal closing speed for any door dimensions and weight.

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

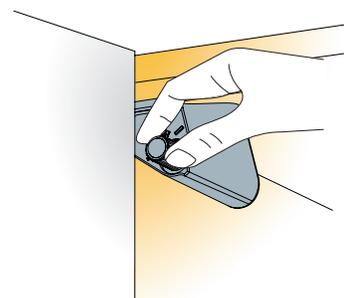


Turn towards '+' to increase and '-' to decrease the damping

### Stand-alone soft closing solution

Glissando CR

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





# 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

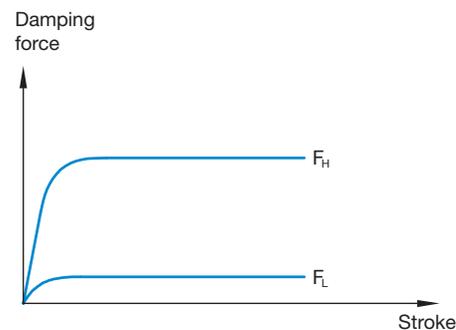


## Wide operating scope

- High coefficient  $\gamma$  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

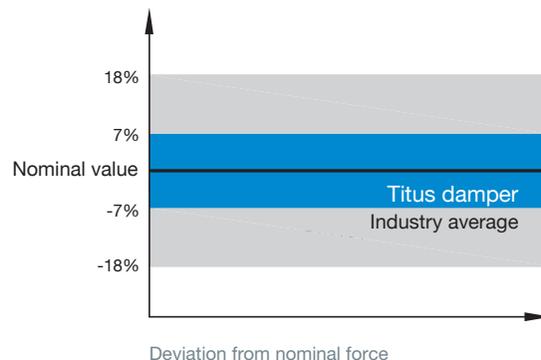
Higher coefficient  $\gamma$  means reliable damping at high speed and ensures that the system will reach its final position even at very slow speed



## Damping force consistency

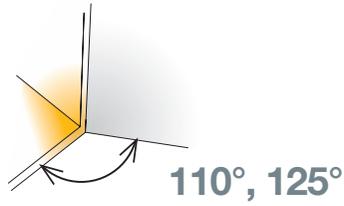
- Full control over all phases of manufacturing process
- Quality assured

Standard deviation measured on the sample of 1000 pcs.

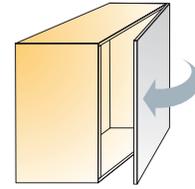


# Glissando

Add-on hinge soft closing solution



For 110° and 125° hinges



Technical details		For the following cup types	Hinge opening angle	Damping force	Interaxis 45mm	Interaxis 48mm
					Item number	Item number
<b>Glissando TL snap-on</b> · ST plus 110 · ST 110 · Basic 110			110°	■ 45N	951.0X94.050	
			110°	■ 35N	951.0P59.050	
			110°	■ 60N	951.0P63.050	
<b>Glissando BS screw-on</b> · ST plus 110,125 · ST 110 · Basic 110			110°		951.0V94.650	951.0V93.650
			125°		951.0V99.650	

100 Pcs

Made of steel and plastic

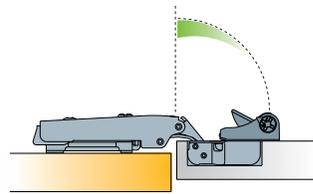
100 Pcs

Made of zinc and plastic

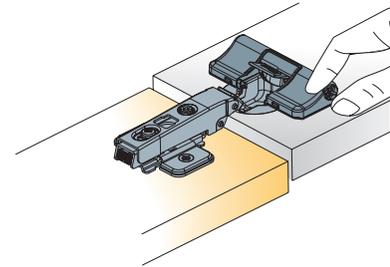
### Legend of hinge cup symbols

- Screw-on ready
- Machine insertion ready
- Pre-mounted euro screws
- Pre-mounted chipboard screws
- Easy-fix system

- Same item can be used on all crankings and angled hinges
- Designed to fit the concealed hinge cup and requires no extra space inside the cabinet
- Adjustable damping
- Screw-on or toolless mounting



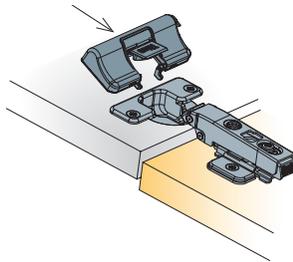
Adjustable damping zone



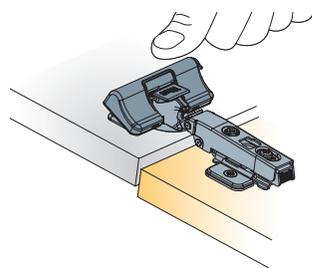
Turn towards '+' to increase and '-' to decrease the damping

### Mounting details

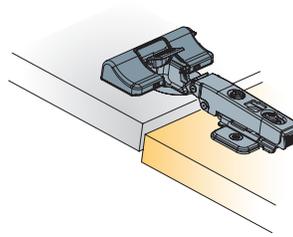
#### Toolless assembly



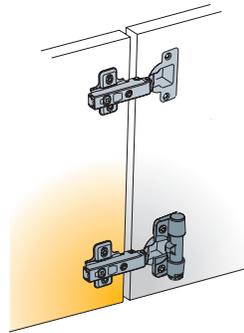
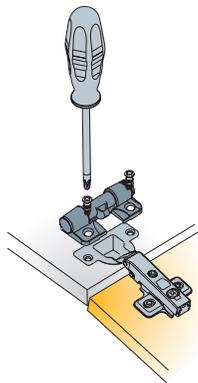
Insert Glissando TL into the holes on the hinge



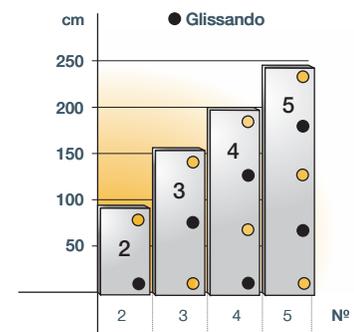
Press down



Glissando BS system is mounted on the hinge cup by using cup fixing screws. The fixing screws must be at least 15mm long.



No additional drilling is required

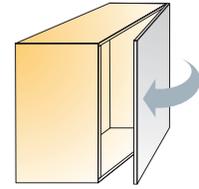


Recommended number per door and positioning

# Glissando TL 170

## Add-on hinge soft closing solution

For ST 170 and Basic 170 hinges



Technical details

Fixing

Item number

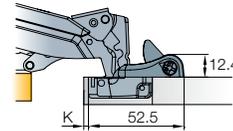
Glissando TL170

snap-on

951.0F15.650

Box content

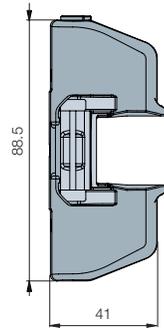
100 pcs soft closing mechanisms  
100 pcs striking plates



Soft closing mechanism



Striking plate

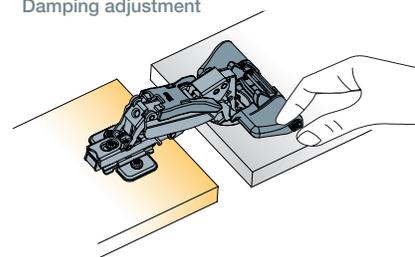


Made of steel and plastic



- Gentle and reliable soft closing on doors with wider opening angle
- Fits perfectly 45/9.5mm, 48/6mm and 52/5.5mm hinge cups
- Furniture consumers' preferred 'confident close'
- Tool free mounting

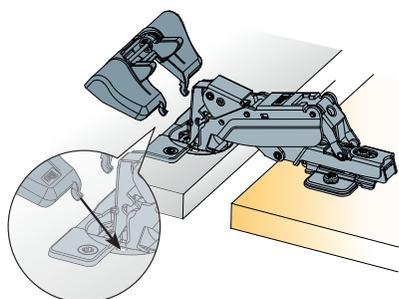
Damping adjustment



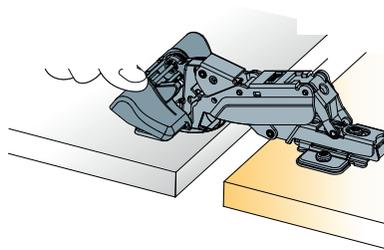
Turn towards '+' to increase and towards '-' to decrease the damping

Mounting details

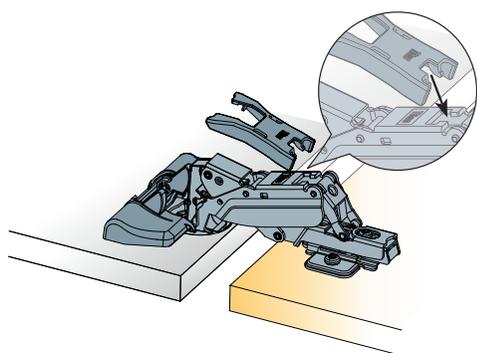
Toolless mounting



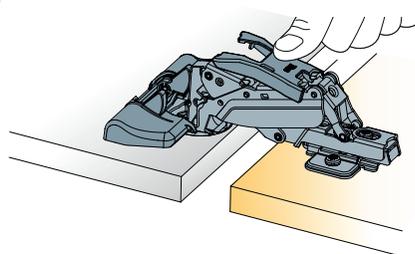
Insert Glissando TL170 into the holes on the hinge cup



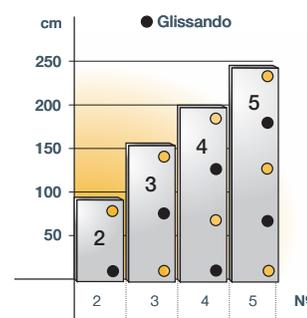
Press down



Place the striking plate into the hole on the hinge arm



Press down



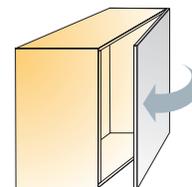
Recommended number per door and positioning



# Glissando CR

## Stand-alone door soft closing system

For full overaly and half overaly concealed hinges

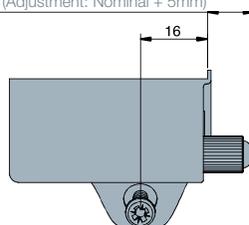


Technical details

Glissando CR  
for full overlay  
hinges



Nominal 11  
(Adjustment: Nominal + 5mm)



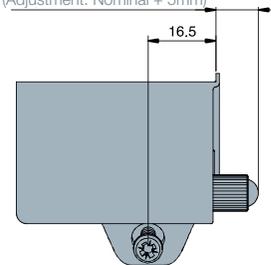
 100 Pcs

Made of plastic

Glissando CR  
for half overlay  
hinges



Nominal 10  
(Adjustment: Nominal + 5mm)



 100 Pcs

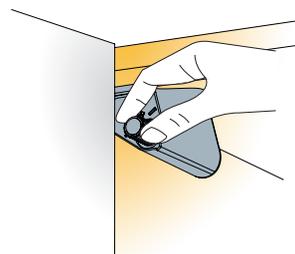
Made of plastic

Hinge opening angle	Cranking	Item number	White	Grey	Beige
110°	0 mm	972.0X19. →	350	380	360
*Fixing screw included in a set					
110°	9mm	972.0X34. →		380	
*Fixing screw included in a set					



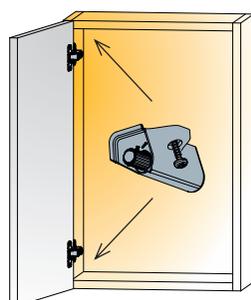
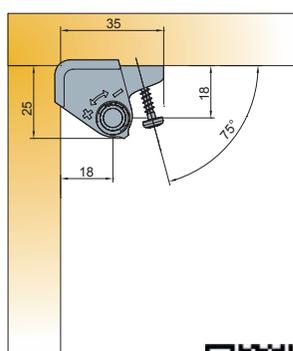
- Intuitive 'place and fix' installation in the corner of the cabinet
- Tool-less damping adjustment
- One item for a wide range of doors
- Reliable performance

### Damping adjustment

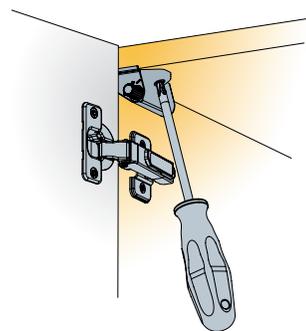


Turn towards '+' to increase and towards '-' to decrease the damping

### Mounting details



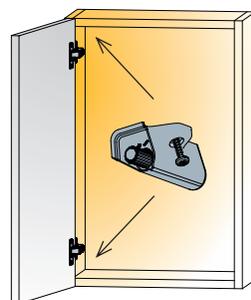
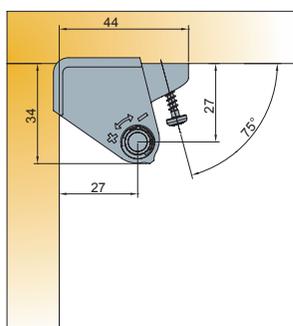
Mount Glissando CR on the hinged side of the cabinet



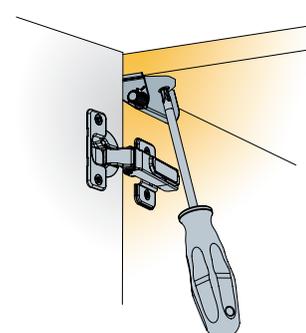
One screw fixing



Further explanations -> go to [http://www.youtube.com/watch?v=8-uWs\\_z2d0s](http://www.youtube.com/watch?v=8-uWs_z2d0s)



Mount Glissando CR on the hinged side of the cabinet



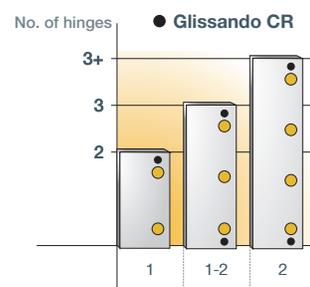
One screw fixing



Further explanations -> go to [http://www.youtube.com/watch?v=8-uWs\\_z2d0s](http://www.youtube.com/watch?v=8-uWs_z2d0s)



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



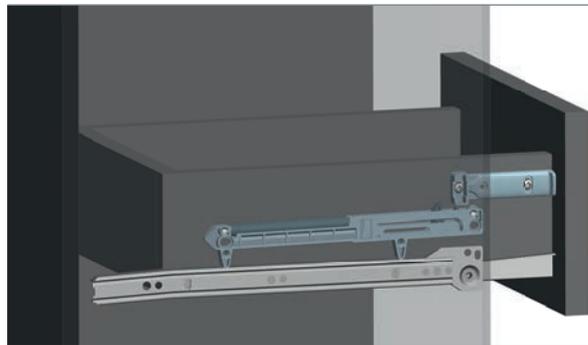
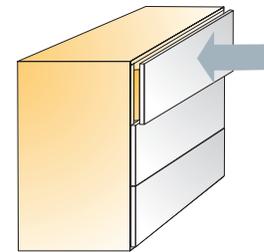
Recommended number per door and positioning



# Titusoft WD

Soft closing system for wooden drawer

For wooden drawer with roller runners



Technical details

Titusoft WD

Titusoft mechanism

Item number

Grey

White

Zinc plated blue

973.0X35 →

380

Activator

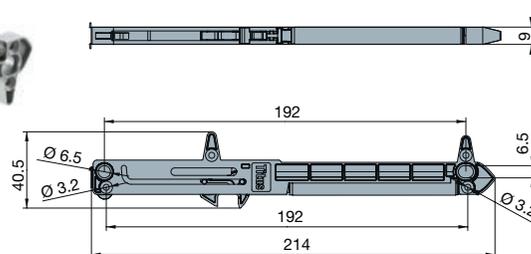
973.4451 →

380

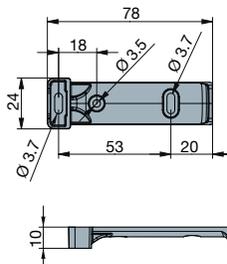
350



Titusoft mechanism



Activator



Bag of 1

973.0X35.380.K2  120 Bags

- 1 Titusoft mechanism
- 1 activator
- 2 screws Ø3.5mm x 20mm
- 2 screws Ø3.5mm x 12mm
- 1 Mounting instruction sheet

Bag of 2

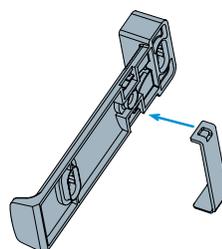
973.0X35.380.K1  80 Bags

- 2 Titusoft housings
- 2 activators
- 4 screws Ø3.5mm x 20mm
- 4 screws Ø3.5mm x 12mm
- 1 Mounting instruction sheet

 250 Pcs

Made of plastic

L Bracket  
Accessory for Titusoft



L Bracket is simply pressed into the hole on the back side of the activator.

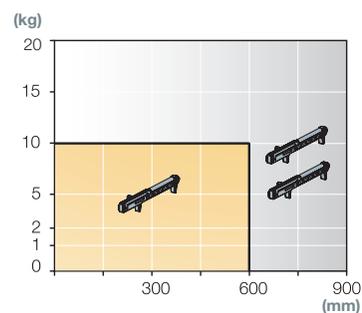
973.1679 →

040



- Works with most roller runner drawer slides
- Easy, intuitive mounting
- Smooth soft closing action independent of drawer hardware
- Optimal closing speed
- Non handed design

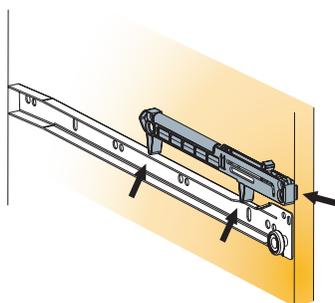
### Capacity chart



Mount 1 or 2 Titusoft mechanisms depending on drawer weight and width

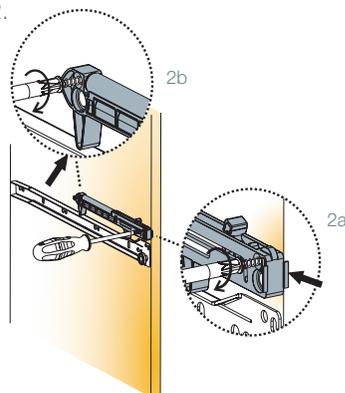
### Mounting details

1.



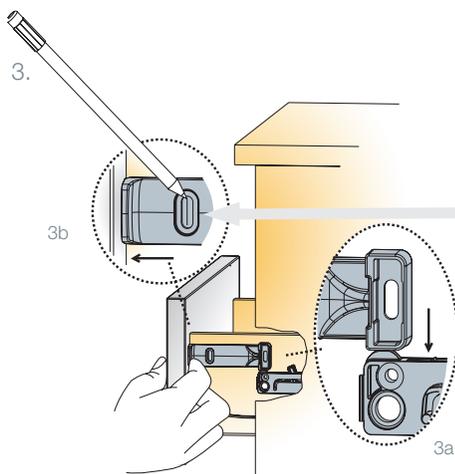
Position the Titusoft mechanism on the top of the drawer slide

2.



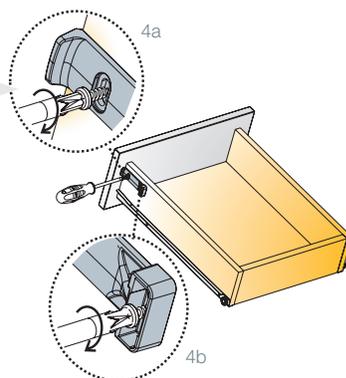
Fix with 2 screws L=20mm

3.



1. Rest the activator against the drawer front  
2. Align the vertical position of the activator with the top of the Titusoft mechanism and mark the screw locations

4.



Fix with 2 screws L=12mm



Further explanations → go to <http://www.youtube.com/watch?v=U3aS2r6KC6k>

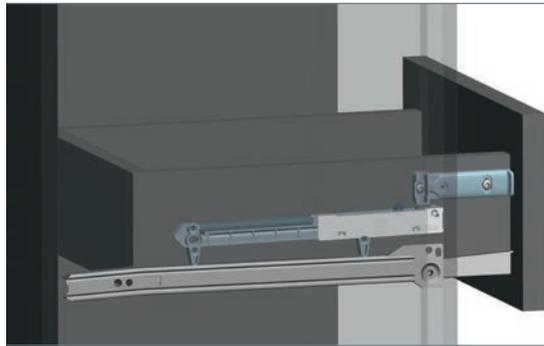
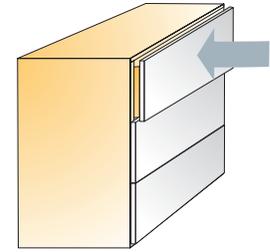
A trial mounting is always recommended. Please contact Titus Group or your local distributor for further technical assistance.



# Titusoft FF

Soft-closing system for face frame cabinets with wooden drawer

For wooden drawer with roller runners



Technical details

Titusoft FF

Titusoft mechanism

Activator

Item number

Grey

White

Zinc plated blue

973.0X77 →

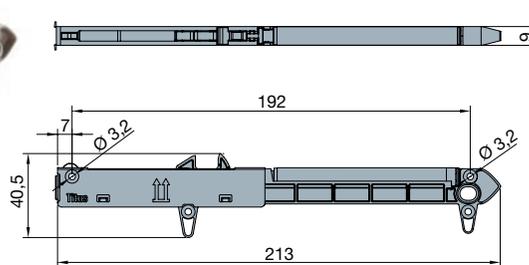
380

973.4451 →

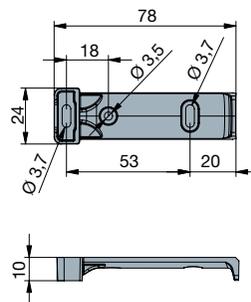
380 350



Titusoft mechanism



Activator



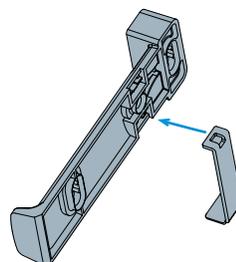
250 Pcs

Made of plastic

Bag of 2  
973.0X77.380.K1 50 Bags

- 2 Titusoft mechanisms
- 2 activators, grey
- 2 screws Ø3.5mm x 25mm
- 6 screws Ø3.5mm x 12mm
- 1 mounting instruction sheet

L Bracket  
Accessory for Titusoft



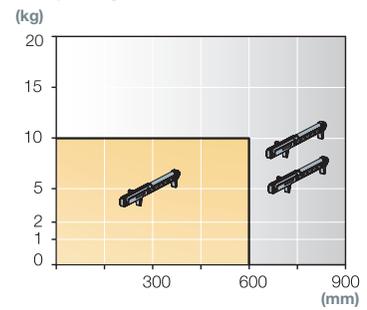
L Bracket is simply pressed into the hole on the back side of the activator.

973.1679 →

040

- Easy, intuitive mounting
- Universal application will fit most standard drawers
- Smooth soft closing action independent of drawer hardware
- Non handed design

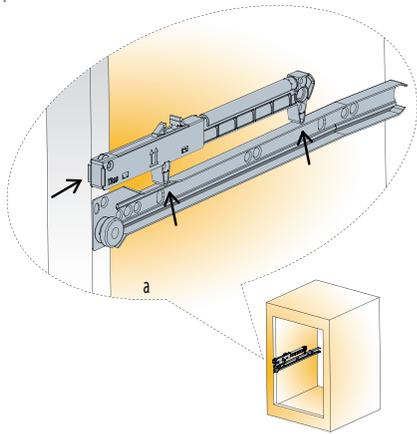
### Capacity chart



Mount 1 or 2 Titussoft mechanisms depending on drawer weight and width

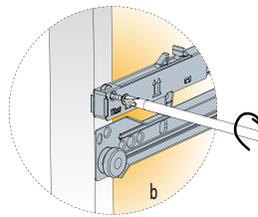
### Mounting details

1.



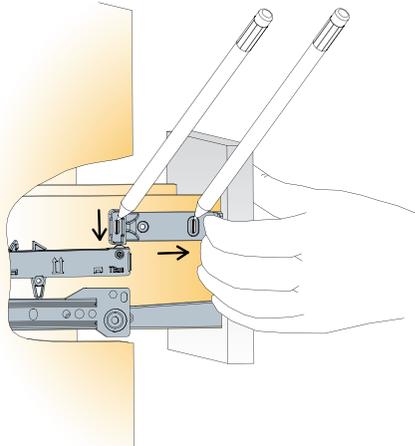
Position the Titussoft on the top of a drawer slide

2.



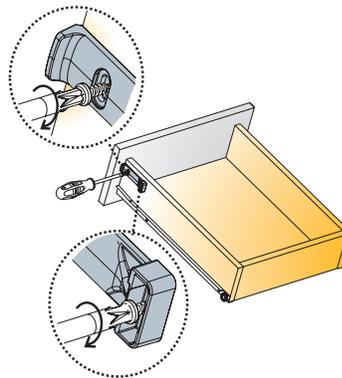
Screw the Titussoft mechanism to the face frame

3.



Align the activator with the top of the Titussoft mechanism and fix with two screws

4.



Fix with 2 (3) screws L=12mm



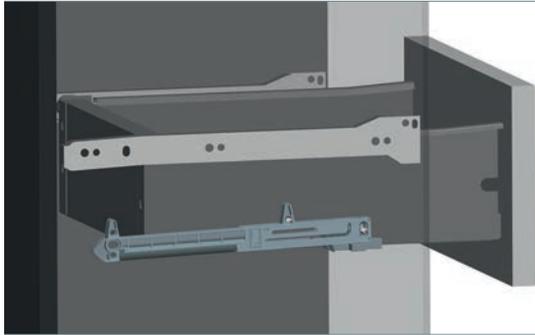
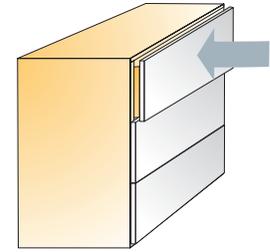
Further explanations → go to <http://www.youtube.com/watch?v=jQ8DiMlkxhg>

A trial mounting is always recommended. Please contact Titus Group or your local distributor for further technical assistance.

# Titusoft MD

## Soft closing system for metal box

For metal boxes



Titusoft MD



Titusoft mechanism



Activator



Mounting jig

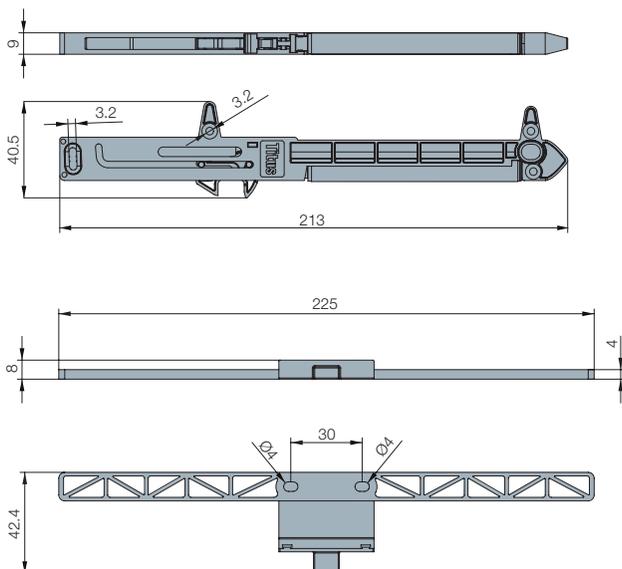


250 Pcs

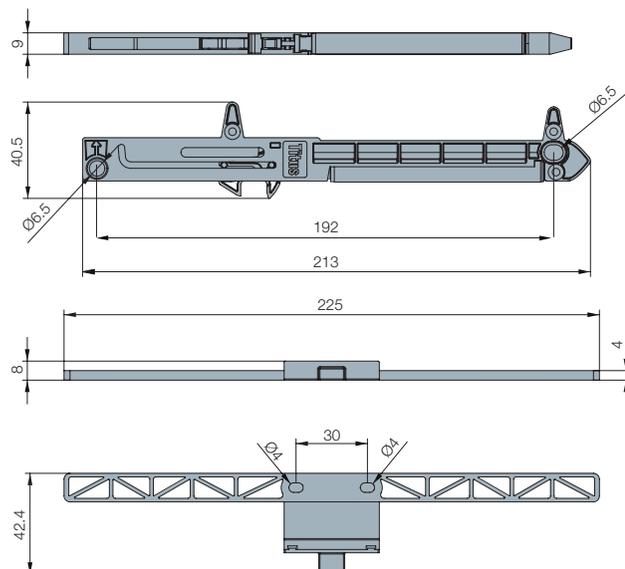
Made of plastic

### Technical details

#### Retrofit mounting



#### Factory mounting (system holes)



Item number

Grey

White

Light blue

Titusoft mechanism for factory mounting

973.0X95 → 380

Titusoft mechanism for retrofit mounting

973.0X39 → 380

Activator

973.4125 → 350

Mounting jig

973.4126 → 309

#### Bag of 1

973.0X39.380.K2 90 Bags

- 1 Titusoft mechanism
- 1 activator
- 1 mounting jig
- 4 screws
- 1 mounting instruction sheet

#### Bag of 2

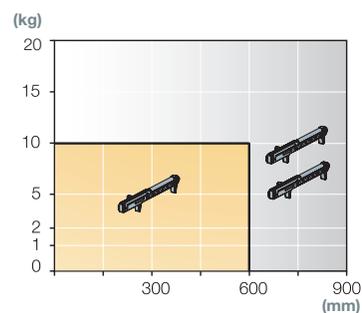
973.0X39.380.K1 60 Bags

- 2 Titusoft mechanisms
- 2 activators
- 1 mounting jig
- 8 screws
- 1 mounting instruction sheet



- One-for-all' soft closing for single skin metal boxes
- Allows for easy factory mounting or retrofit application
- Intuitive positioning
- Preserve the life-time of the drawer

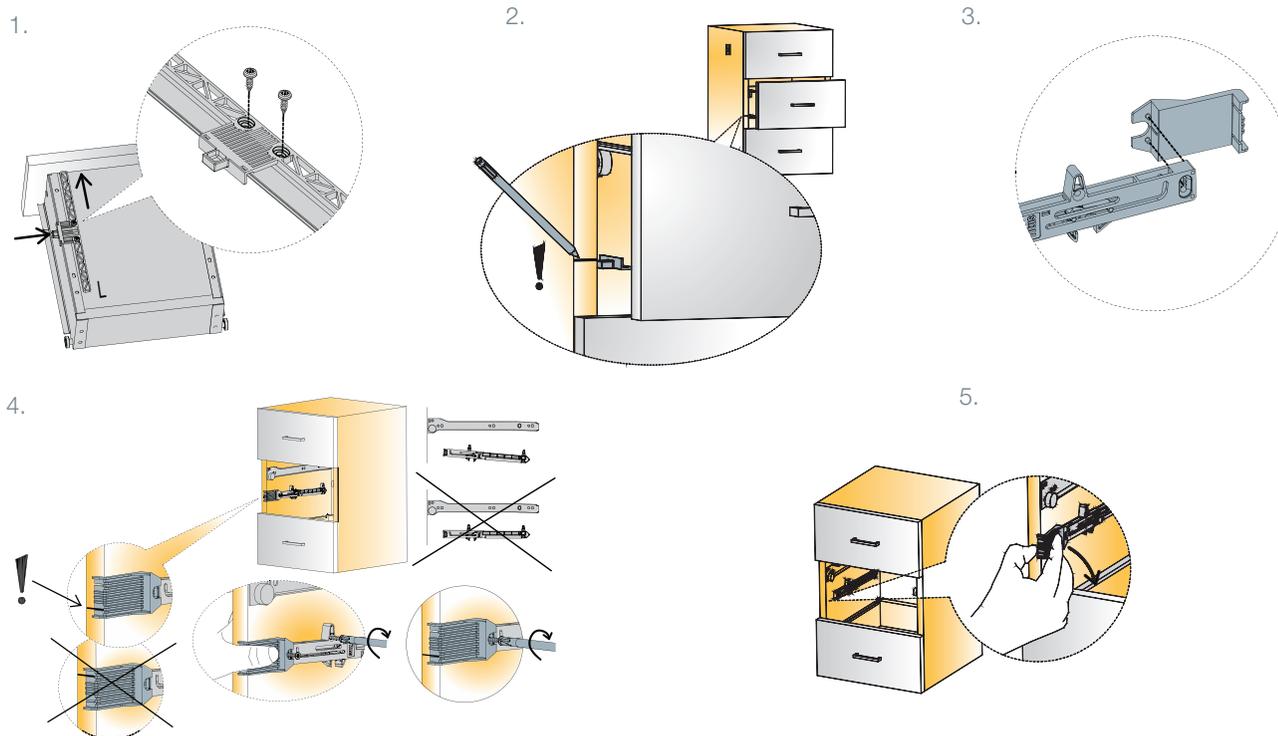
### Capacity chart



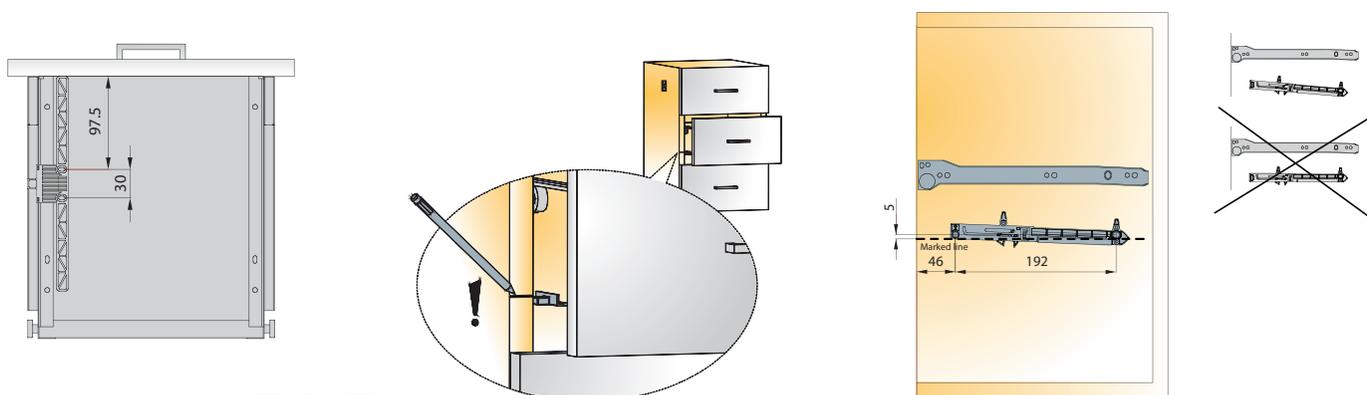
Mount 1 or 2 Titusoft mechanisms depending on drawer weight and width

### Mounting details

#### Retrofit mounting



#### Factory mounting



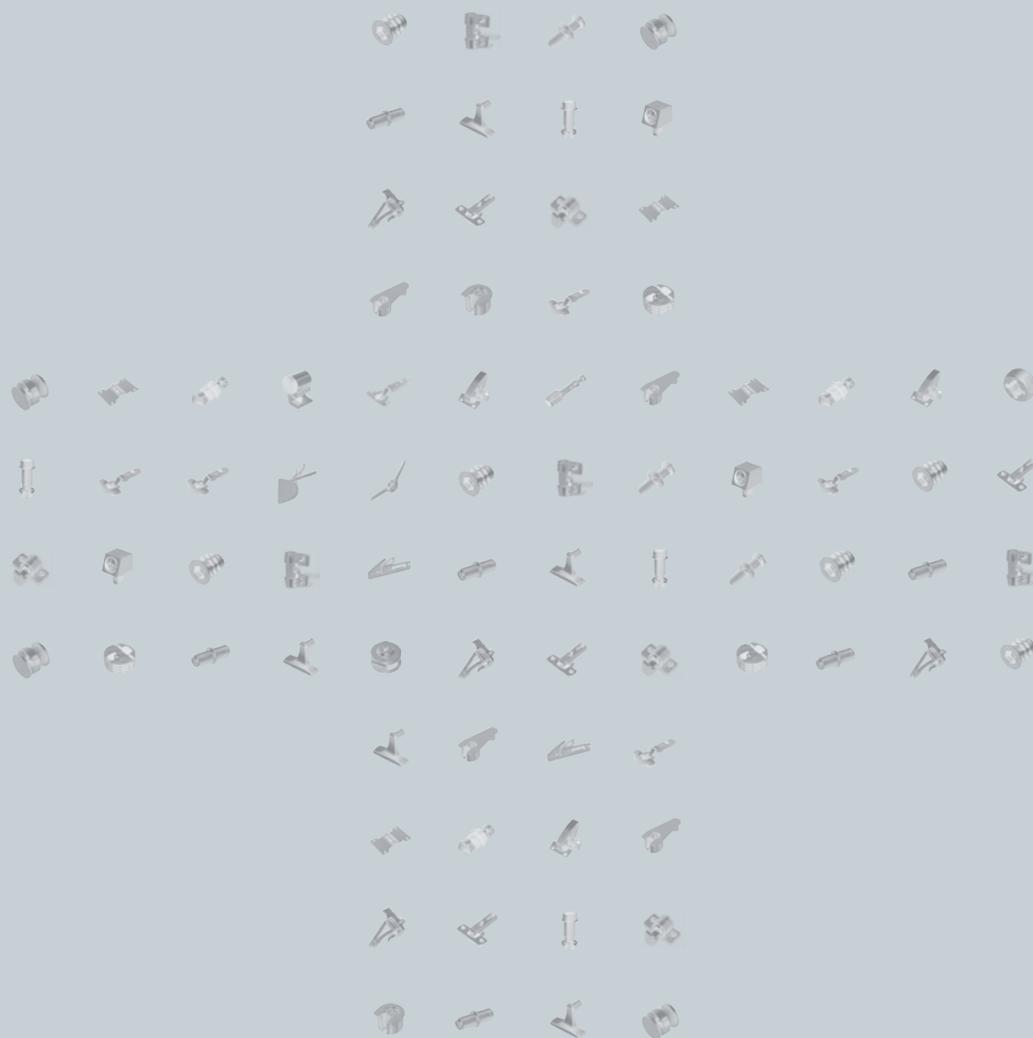
Further explanations → go to <http://www.youtube.com/watch?v=Qplq8uKGbng>

A trial mounting is always recommended. Please contact Titus Group or your local distributor for further technical assistance.





# Concealed hinges



# Concealed hinges

## Product guide

### ST-i2 plus series

*cam-adjustable door depth, ST assembly, Ø 35mm cup drilling*

	Cranking	Opening angle	Cup type	Page
ST-i2 plus 110, 2 <sup>nd</sup> Generation	0mm	110°	for wooden door	<b>3.21</b>
	9mm	110°	for wooden door	<b>3.21</b>

### ST-i2 series

*ST assembly, Ø 35mm cup drilling*

	Angle and cranking	Opening angle	Cup type	Page
ST-i2 110, 2 <sup>nd</sup> Generation	0mm	110°	for wooden door	<b>3.23</b>
	9mm	110°	for wooden door	<b>3.23</b>
	15mm	110°	for wooden door	<b>3.23</b>
ST-i2 110/30°, 2 <sup>nd</sup> Generation	30°, 9mm	110°	for wooden door	<b>3.25</b>
ST-i2 110/45°, 2 <sup>nd</sup> Generation	45°, 9mm	110°	for wooden door	<b>3.27</b>
	45°, 18mm	110°	for wooden door	<b>3.29</b>
ST-i2 110/90°, 2 <sup>nd</sup> Generation	90°, 18mm	110°	for wooden door	<b>3.31</b>

### ST-i plus series

*cam adjustable door depth, ST assembly, Ø 35mm cup drilling*

	Cranking	Opening angle	Cup type	Page
ST-i plus 110	0mm	110°	for wooden door	<b>3.33</b>
	9mm	110°	for wooden door	<b>3.33</b>

### ST-i series

*ST assembly, Ø 35mm cup drilling*

	Angle and cranking	Opening angle	Cup type	Page
ST-i 110	0mm	110°	for wooden door	<b>3.35</b>
	9mm	110°	for wooden door	<b>3.35</b>
	15mm	110°	for wooden door	<b>3.35</b>
ST-i 110/30°	30°, 9mm	110°	for wooden door	<b>3.37</b>
ST-i 110/45°	45°, 9mm	110°	for wooden door	<b>3.39</b>
	45°, 18mm	110°	for wooden door	<b>3.41</b>
ST-i 110/90°	90°, 18mm	110°	for wooden door	<b>3.43</b>

## ST plus series

*cam adjustable door depth, ST assembly, Ø 35mm cup drilling*

	Cranking	Opening angle	Cup type	Page
ST plus 110	0mm	110°	for wooden door	<b>3.45</b>
	9mm	110°	for wooden door	<b>3.45</b>
ST plus 110 Touch opening	0mm	110°	for wooden door	<b>3.47</b>
	9mm	110°	for wooden door	<b>3.47</b>
ST plus 125	0mm	125°	for wooden door	<b>3.49</b>

## ST series

*ST assembly, Ø 35mm cup drilling*

	Angle and cranking	Opening angle	Cup type	Page
ST 110	0mm	110°	for wooden door	<b>3.51</b>
	9mm	110°	for wooden door	<b>3.51</b>
	15mm	110°	for wooden door	<b>3.51</b>
ST 110/-15°	-15°, 0mm	110°	for wooden door	<b>3.53</b>
ST 110/15°	15°, 0mm	110°	for wooden door	<b>3.55</b>
ST 110/25°	24°, 9mm	110°	for wooden door	<b>3.57</b>
ST 110/30°	30°, 9mm	110°	for wooden door	<b>3.59</b>
ST 110/45°	45°, 9mm	110°	for wooden door	<b>3.61</b>
	45°, 18mm	110°	for wooden door	<b>3.63</b>
ST 110/90°	90°, 18mm	110°	for wooden door	<b>3.65</b>
ST 110	0mm	110°	for aluminium frame door	<b>3.67</b>
ST 170	0mm	165°	for wooden door	<b>3.69</b>
	0mm	135°-165°	for wooden door	<b>3.69</b>
	0mm	165°	for wooden door	<b>3.69</b>
ST for pie-cut corner cabinet			for wooden door	<b>3.71</b>
ST mounting plates				<b>3.73</b>

## Basic-i2 series

*slide-on assembly, Ø 35mm cup drilling*

	Angle and cranking	Opening angle	Cup type	Page
Basic-i2 110, 2 <sup>nd</sup> Generation	0mm	110°	for wooden door	<b>3.77</b>
	9mm	110°	for wooden door	<b>3.77</b>
Basic-i2 110/30°, 2 <sup>nd</sup> Generation	15°, 0mm	110°	for wooden door	<b>3.77</b>
Basic-i2 110/45°, 2 <sup>nd</sup> Generation	30°, 9mm	110°	for wooden door	<b>3.79</b>
	45°, 9mm	110°	for wooden door	<b>3.81</b>
Basic-i2 110/90°, 2 <sup>nd</sup> Generation	45°, 18mm	110°	for wooden door	<b>3.83</b>
	90°, 18mm	110°	for wooden door	<b>3.85</b>

## Basic-i series

*slide-on assembly, Ø 35mm cup drilling*

	Angle and cranking	Opening angle	Cup type	Page
Basic-i 110°	0mm	110°	for wooden door	<b>3.87</b>
	9mm	110°	for wooden door	<b>3.87</b>
Basic-i 110/30°	15mm	110°	for wooden door	<b>3.87</b>
Basic-i 110/45°	30°, 9mm	110°	for wooden door	<b>3.89</b>
	45°, 9mm	110°	for wooden door	<b>3.91</b>
Basic-i2 110/90°	45°, 18mm	110°	for wooden door	<b>3.93</b>
	90°, 18mm	110°	for wooden door	<b>3.95</b>

## Basic series

*slide-on assembly, Ø 35mm cup drilling*

	Angle and cranking	Opening angle	Cup type	Page
Basic 110	0mm	110°	for wooden door	<b>3.97</b>
	9mm	110°	for wooden door	<b>3.97</b>
	15mm	110°	for wooden door	<b>3.97</b>
Basic 110/30°	30°, 9mm	110°	for wooden door	<b>3.99</b>
Basic 110/45°	45°, 9mm	110°	for wooden door	<b>3.101</b>
	45°, 9mm	110°	for wooden door	<b>3.103</b>
Basic 110/90°	45°, 18mm	110°	for wooden door	<b>3.105</b>
	90°, 18mm	110°	for wooden door	<b>3.105</b>
Basic 110	0mm	110°	for aluminium frame door	<b>3.107</b>

## Basic series

*slide-on assembly, Ø 35mm cup drilling*

	Cranking	Opening angle	Cup type	Page
Basic 170	0mm	165°	for wooden door	<b>3.109</b>
	0mm	135°-165°	for wooden door	<b>3.109</b>
	0mm	165°	for wooden door	<b>3.109</b>
Basic for pie-cut corner cabinet	0mm	90°	for wooden door	<b>3.111</b>
Basic flap door hinge		90°	for wooden door	<b>3.113</b>
Basic mounting plates				<b>3.115</b>

## Miniprimat series

*key-hole assembly, Ø 26mm cup drilling*

	Angle and cranking	Opening angle	Cup type	Page
Miniprimat 95	0mm	95°	for wooden door	<b>3.119</b>
	9mm			<b>3.119</b>
	15mm			<b>3.121</b>
	18mm			<b>3.121</b>
Miniprimat 95/45°	45°, 18mm	95°	for wooden door	<b>3.123</b>
Miniprimat 95/45°	90°, 0mm	95°	for wooden door	<b>3.125</b>
	90°, 18mm			<b>3.125</b>
Miniprimat 95	0mm	95°	for glass door	<b>3.127</b>
	9mm			<b>3.127</b>
	15mm			<b>3.129</b>
	18mm			<b>3.129</b>
Miniprimat mounting plates				<b>3.131</b>

## Special hinges

*key-hole assembly*

	Angle and cranking	Opening angle	Cup type	Page
Wide angle hinge and mounting plate		270°		<b>3.133</b>
Hinge for elements with refrigerator		110°		<b>3.135</b>

## Accessories

	Page
Cover caps	<b>3.137</b>
Push latch	<b>3.139</b>

# Concealed hinges

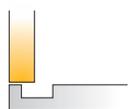
## Information

### How to achieve the desired door overlay?

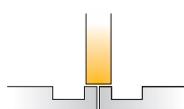
#### By choosing the hinge of appropriate cranking

Concealed hinges with specific hinge arms are available for different door overlays. The most common overlays are:

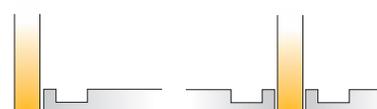
■ Cabinet side  
■ Door



1. **Full overlay.** Use a hinge with 0mm cranking.



2. **Half overlay for double doors.** Use a hinge with 9mm cranking.

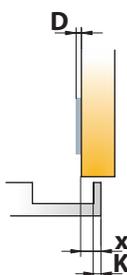


3. **Inset door.** Use a hinge with 15mm, 16mm or 18mm cranking.

#### By choosing the mounting plates of appropriate thickness

To achieve the desired overlay (x) while using a determined drilling distance (K), a mounting plate of appropriate

thickness (D) must be chosen from the enclosed table.

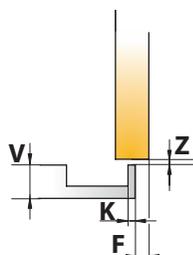


X	4	5	6	7	8	9
3	3	2	0			
K	4	0	2	1	0	
5			3	2	1	0 D

#### Door clearance and gap

The door clearance ( $F > F_{min}$ ) and gap (Z) represent the minimal necessary space needed for the correct opening and closing of the door. The minimal required values depend on the cup drilling distance (K), door thickness (V)

and the type of hinge. The minimum clearance scale can be found in the catalogue. When using on double doors with one party-wall the door clearance must be twice as large ( $F > 2F_{min}$ ).



V	16	17	18	19	20	22		
3	0.3	0.5	0.7	1.0	1.3	1.7	3.5	
K	4	0.3	0.7	0.3	0.5	0.7	3.0	3.1
5	1.0	1.7	3.5	3.0	3.1	3.0	F <sub>MIN</sub>	

Gap Z=0



**Drilling patterns** for hinge cups shown **on the page 3.10** or on specific product pages for non-standard drillings.

## How to mount the hinge on the door?

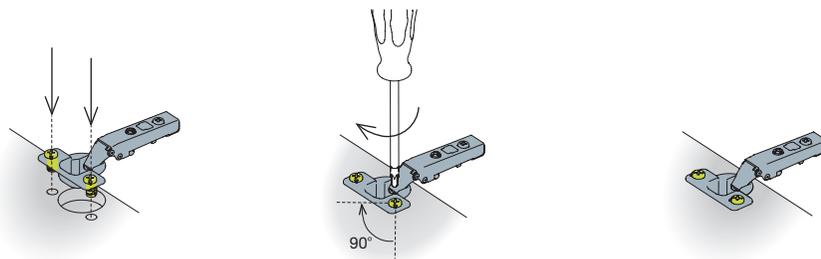
The choice of hinge cup type depends on the material of which the door is made and the chosen assembly method. The hinge can be assembled on a wooden door by fixing it with

chipboard or euro screws or inserted by machine.



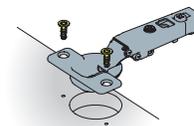
### Easy-Fix Time saving system

After inserting the hinge correctly and fully, the cup is fixed by rotating the two screws clockwise (by 90°) with a PZ2 screwdriver.



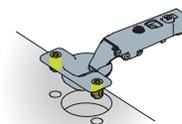
### Screw fixing hinge cup

The hinge is fixed on the door with two prescribed screws.



### Machine insertion ready hinge cup

Special dowels for machine insertion are pre-mounted. Two versions are available for 10mm or 8mm holes.



# Concealed hinges

## Information



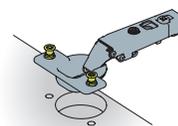
**Drilling patterns** for hinge cups shown **on the next page** or on specific product pages for non-standard drillings.

### How to mount the hinge on the door?



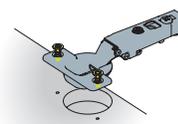
#### Hinge cup with pre-mounted euro screws

The hinge is fixed on the door with two pre-mounted euro screws for 5mm holes. Where not specified otherwise, euro screws are 13mm long.



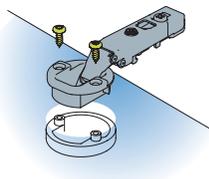
#### Hinge cup with pre-mounted chipboard screws

The hinge is fixed on the door with two pre-mounted chipboard screws.



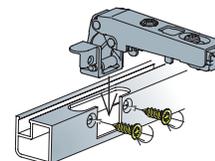
#### Glass door hinge cup

The hinge is fixed into one single hole on the glass door. Glass thickness must be between 4mm and 6mm.



#### Aluminium frame screw-on hinge cup

The hinge is fixed onto a specific drilling on the aluminium frame with two screws.



## Drilling patterns for hinge cup

Interaxis is the distance between two holes for fixing screws on the hinge cup.

Other drilling patterns can be found on specific product pages.

### Interaxis 45mm and 48mm

- ST-i2 plus series
- ST-i2 series
- ST-i plus series
- ST-i series
- ST plus series
- ST series
- Basic-i2 series
- Basic-i series
- Basic series

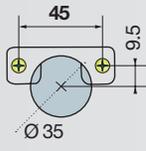
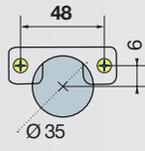
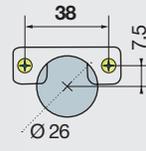
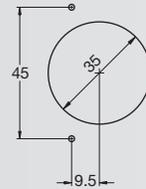
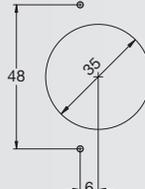
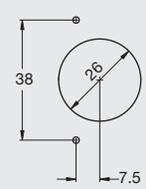
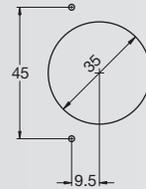
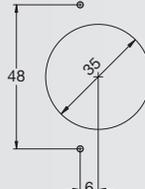
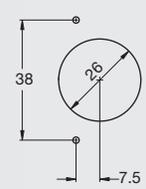
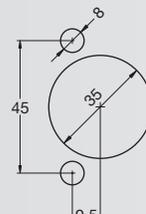
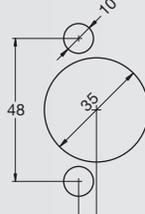
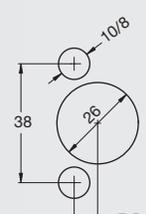
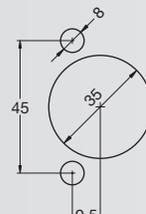
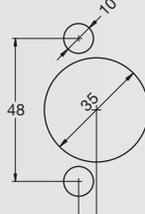
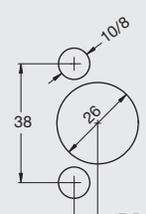
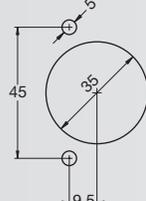
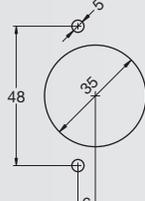
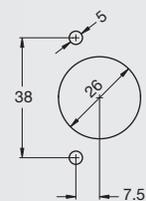
### Interaxis 38mm

- Miniprimat series

### Interaxis 42/11mm, 52/5.5mm\*

Interaxis 42mm and 52mm are optionally available with some versions, on special request.

\* Available upon special request  
→ see page 0.3

	Interaxis <b>45mm</b>	Interaxis <b>48mm</b>	Interaxis <b>38mm</b>
Type of hinge cup	Drilling pattern 	Drilling pattern 	Drilling pattern 
 Screw-on ready			
 Premounted chipboard screws			
 Machine insertion ready			
 Easy-fix system			
 Premounted Euro screws			

# Concealed hinges

## Information



### Check the mounting plate drilling distance!

When fixing the mounting plate please check the drilling distance from side border. It may differ depending on mounting situation and mounting plate type. Some mounting plates can be used for both 28 or 37mm drilling distance simply by rotating.

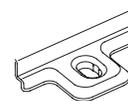
## How to fix the mounting plate on the cabinet side?

The mounting plates can be fixed on cabinet side with various methods. Euro screws are most suitable for standard 32mm drillings. Mounting plates with pre-mounted chipboard

screws, spreading dowels or 10mm dowels for machine insertion, are also available.

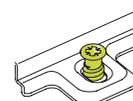
### Euro screws ready mounting plate

The mounting plate is fixed with two standard 6.3mm euro screws.



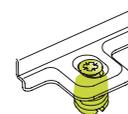
### Mounting plate with pre-mounted euro screws

Euro screws for 5mm holes are pre-mounted on the mounting plate. Different screw lengths available.



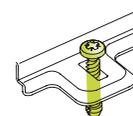
### Machine insertion ready mounting plate

Dowels for machine insertion in 10mm holes are pre-mounted on the mounting plate.



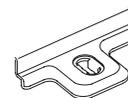
### Mounting plate with pre-mounted expanding dowels

Expanding dowels for 5mm holes are pre-mounted on the mounting plate. Two lengths available: 7.5mm and 10.5mm.



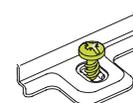
### Chipboard screws ready mounting plate

The mounting plate is fixed with two prescribed chipboard screws or equivalent.



### Mounting plate with pre-mounted chipboard screws

The mounting plate is fixed with two pre-mounted chipboard screws.





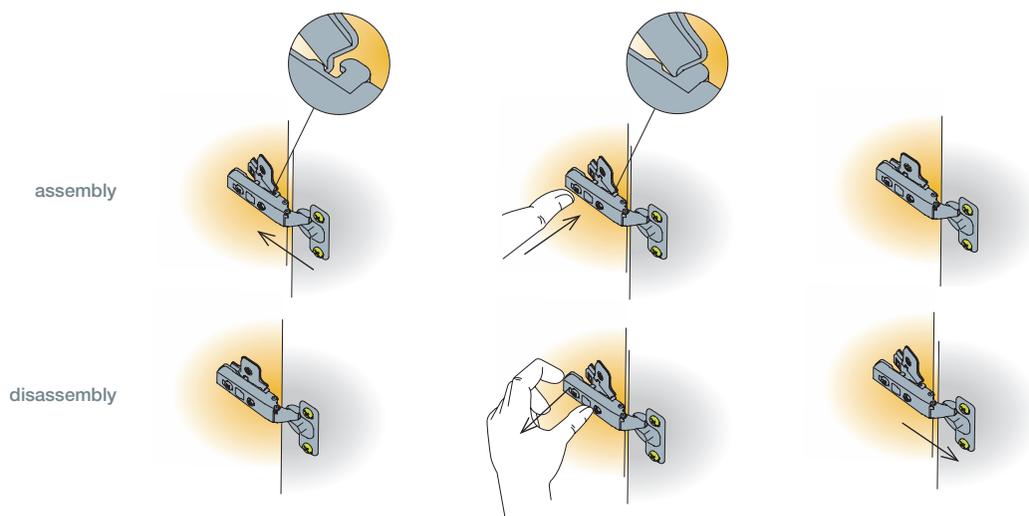
## How to assemble the hinge and the mounting plate?

### ST time saving system

- ST-i2 plus series
- ST-i2 series
- ST-i series
- ST plus series
- ST series

The door is assembled on the cabinet side simply by fixing the two hooks under the hinge arm on the outer part of the mounting plate and pressing gently on the rear part of the hinge arm.

For disassembly press the button on the rear of the hinge arm.

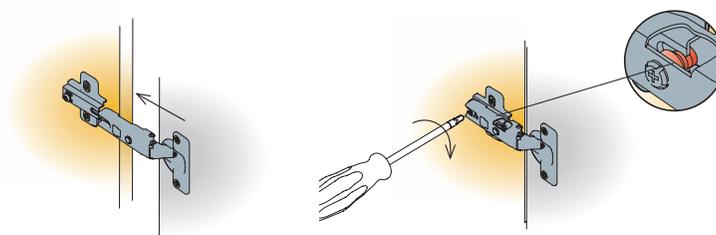


### Slide-on system

- Basic-i2 series
- Basic-i series
- Basic series

The hinge is assembled by sliding the hinge arm over the mounting plate. The lower part of the horizontal set-up screw must fit correctly into the groove on the mounting plate. After

adjusting the door depth, the mounting procedure is finished by tightening the fixing screw.

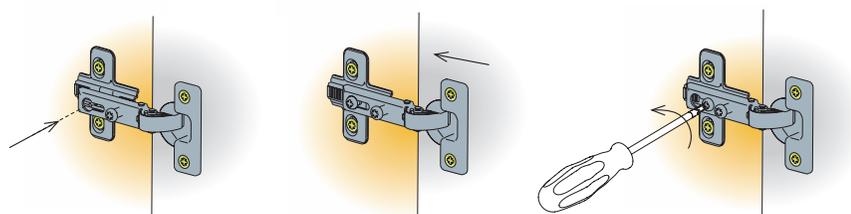


### Key-hole system

- Miniprimat series
- Special hinges

The hinge is assembled on the mounting plate by inserting the fixing screw on the appropriate hole on the hinge arm. After adjusting the door

depth, the mounting procedure is finished by tightening the fixing screw.



# Concealed hinges

## Information

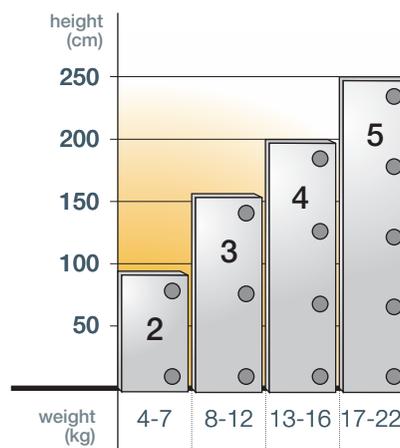
**!** For the furniture user's safety please use the appropriate number of hinges so that the door height or weight does not exceed that shown below.

### How many hinges per door?

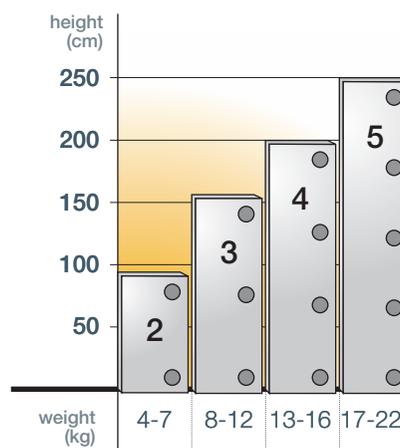
Check the enclosed specifications for the number of required hinges per door by considering both door height and weight. In case of doubt please contact Titus or your local distributor.

#### Concealed hinges with Ø 35mm hinge cup diameter

- ST plus series
- ST series
- Basic series
- Special hinges



- ST-i2 plus series
- ST-i2 series
- Basic-i2 series
- ST-i plus series
- ST-i series
- Basic-i series



Hinges with integrated damping can be combined with non-damped hinges from standard hinge range. A trial mounting is always recommended. Please contact Titus for further technical assistance.

#### Concealed hinges with Ø 26mm hinge cup diameter

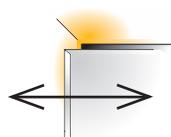
- Miniprimat series





Adjustment range can be found on the product pages.

## Side adjustment

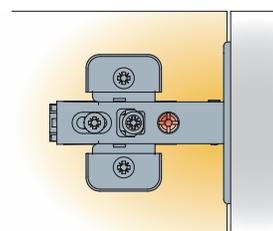
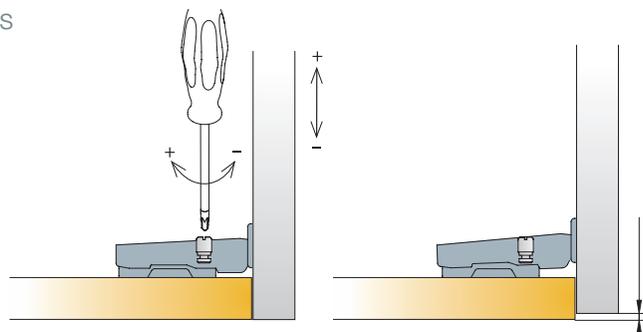


The side adjustment is indispensable to align the door with the side of the cabinet thus allowing perfect lifetime opening and closing of the door.

### By rotating the appropriate screw

- ST-i2 plus series
- ST-i2 series
- ST-i plus series
- ST-i series
- ST plus series
- ST series
- Basic-i2 series
- Basic-i series
- Basic series

The side adjustment is made by rotating the appropriate screw on the hinge arm.



Adjustment range

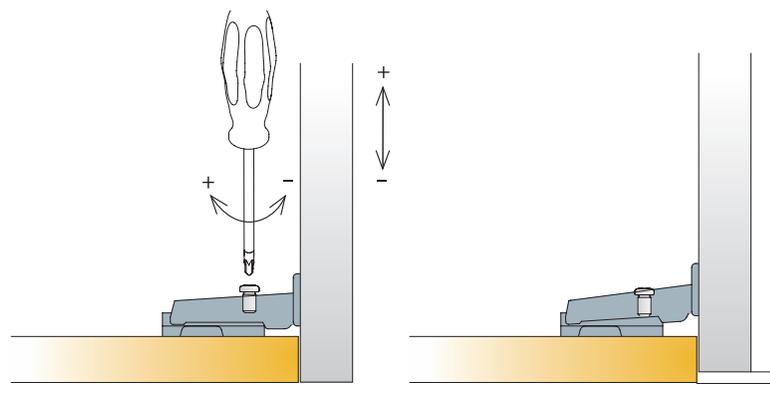
### By temporarily releasing the fixing screw

- Miniprimat series
- Wide angle hinge

For the side adjustment:

1. Release the fixing screw
2. Make the necessary adjustment by rotating the appropriate screw
3. Tighten the fixing screw

Without releasing the fixing screw no side adjustment is possible.



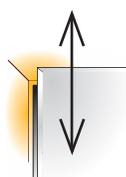
Adjustment range



# Concealed hinges

## Information

### Height adjustment

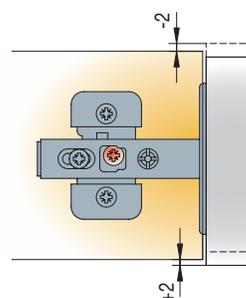
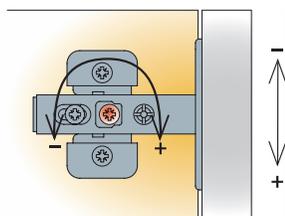


Height adjustment is necessary to achieve perfect vertical door position that emphasises the accuracy of manufacture.

#### By rotating the cam adjuster

- ST-i2 plus, ST-i2, ST-i plus, ST-i, ST plus and ST series with cam adjustable mounting plate

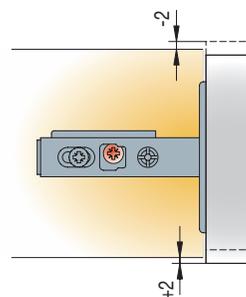
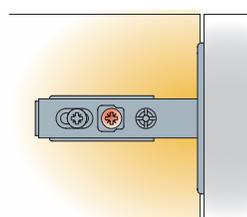
The height adjustment is made by rotating the cam adjuster on the mounting plate.



#### Manual adjustment by releasing the adjustment screw

- ST-i2 plus, ST-i2, ST-i plus, ST-i, ST plus and ST series with horizontal mounting plate

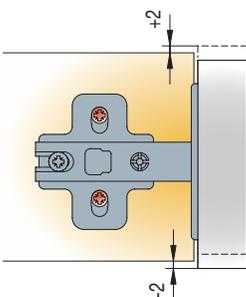
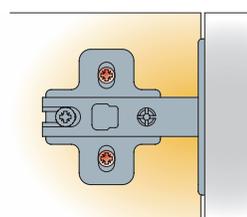
For height adjustment the adjustment screw has to be temporarily released during manual adjustment.



#### By releasing the fixing screws of mounting plate

- ST-i2 plus, ST-i2, ST-i plus, ST-i, ST plus and ST series without cam-adjustable cruciform mounting plates
- Basic series
- Miniprimat series
- Wide angle hinge

For height adjustment the two mounting plate fixing screws have to be temporarily released while making the manual adjustment.





Adjustment range can be found on the product pages.

# Depth adjustment

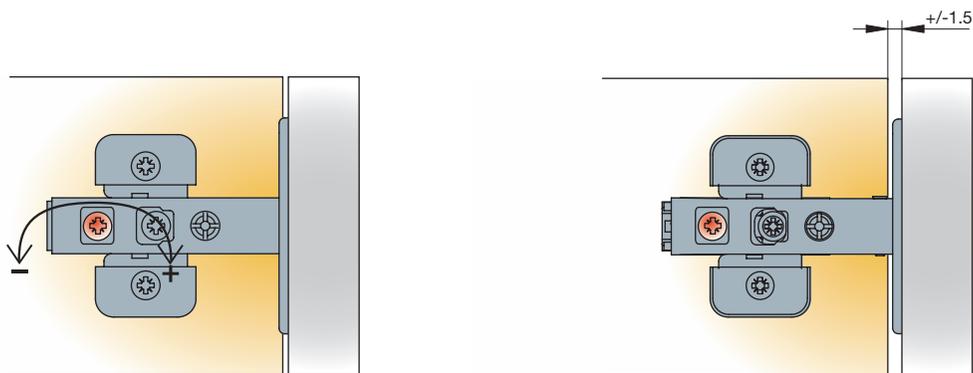


The system enables easy adjustment of the door depth to assure that the door fits well on the side of the cabinet.

## By rotating the cam adjuster

The adjustment is made by rotating the cam adjuster on the hinge arm.

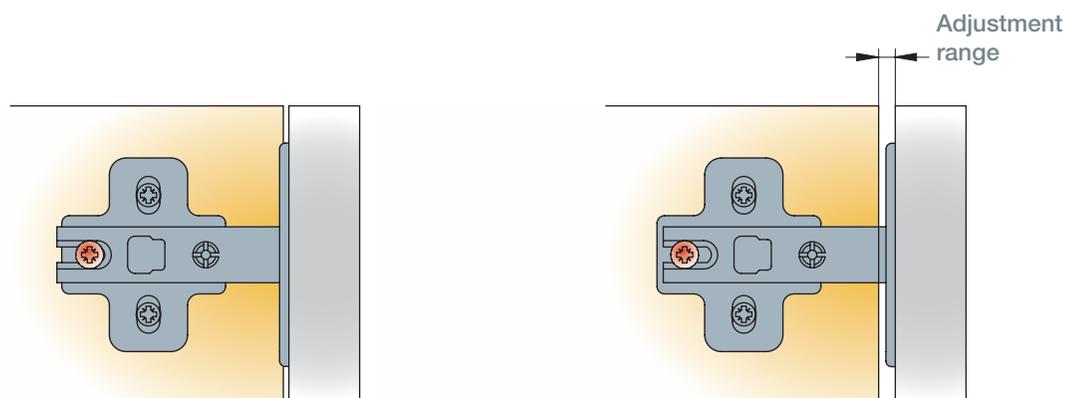
- ST-i2 plus series
- ST-i plus series
- ST plus series



## By releasing the fixing or adjustment screw

The depth adjustment is made by temporarily releasing the adjustment screw (ST series) or fixing screw (Basic series). After the adjustment is made the screw has to be re-tightened.

- ST-i2 plus series
- ST-i series
- ST series
- Basic-i series
- Basic series
- Miniprimat



# Concealed hinges

## Information

**Titus recommends!**

Most of Titus hinges can be combined with soft closing devices giving silent closing motion.  
 →see pages 2.11-2.16 for details

**! Soft closing devices can not be used with free-swinging door hinges.**

### Door closing systems

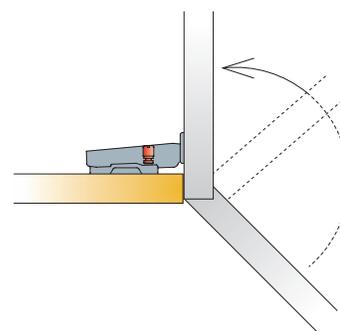
There are three types of door closing systems:

self - closing ←  
 free - swinging ·····

#### Concealed hinges with limited self-closing angle

- ST-i2 plus series
- ST-i2 series
- ST-i plus series
- ST-i series
- ST plus series
- ST series
- Basic-i2 series
- Basic-i series
- Basic series

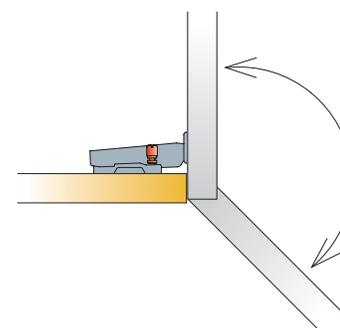
The self-closing angle is the point from which the door will close by itself, without user assistance. The mechanism starts closing the door from a 14° to 25° angle, depending on the concealed hinge type. From that point to the maximum opening angle the door remains in an open position.



#### Two-positions self-closing concealed hinges

- Miniprimat series

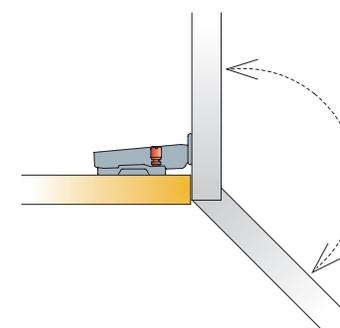
The door can only be in two positions: closed or fully opened. The closing mechanism does not allow intermediate open door positions unless the door is held.



#### Free-swinging door hinges \*

- all series

Optionally most of Lama concealed hinges can be supplied without self-closing mechanism. These hinges are not presented in this catalogue but may be ordered upon request. Please contact Lama or your distributor for item order numbers and technical assistance.



\* Available upon special request  
 → see page 0.3

# Titus damping solutions

## Hinges with integrated damping

### Key design choices

#### Damping in the hinge cup

Damper is positioned transversal on the hinge cup

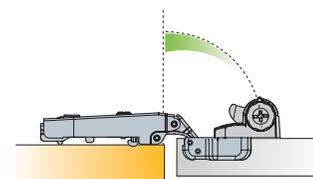
- Allows for an easy and quick introduction of various hinge versions: ST 'snap-on' and Basic 'slide-on' with different hinge arm crankings and angles
- Standard hinge cup drilling depths: requires no changes in drillings for hinge cup
- Standard mounting plates



#### Adjustable damping force

Flexibility to 'tune' performance for all applications

- Optimal damping on various door weights and sizes
- Intuitive and quick adjustment
- Easily accessible adjustment button



Adjustable damping zone and force

#### Titus hydraulic damper

Titus hydraulic damper, designed and produced in-house

- Reliable and consistent life-long damping
- Minimum damper rebound
- Dampers' consistency over high volume production runs assured

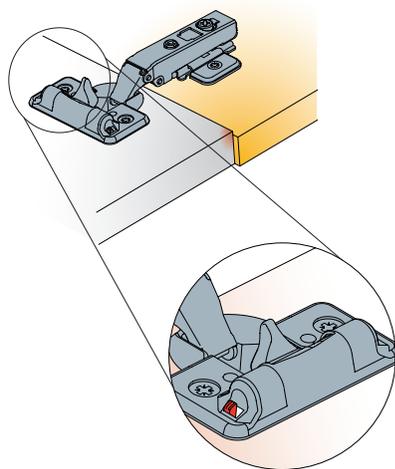


# Titus damping solutions

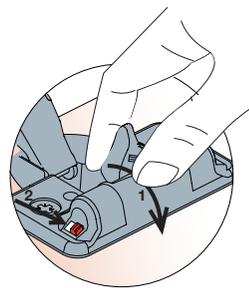
## Hinges with integrated damping

### Adjustment of the damping

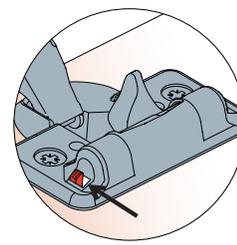
ST-i plus series  
ST-i series  
Basic-i series



The damping reduction switch in a pre-set position.



To decrease the damping  
1. Lift the damping activator.  
2. Slide the damping reduction switch to opposite position.

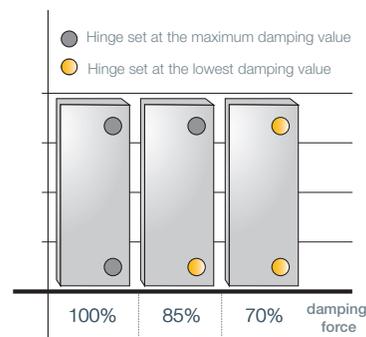


To increase the damping, slide the damping reduction switch back to the factory pre-set position.

To decrease or to increase the damping, change the position of the damping reduction switch. Hinges are factory pre-set to the maximum damping value.

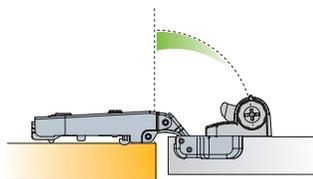
### Damping force change

The damping reduction switch adjusts the damping. Example shows the damping change in case of two hinges on door.

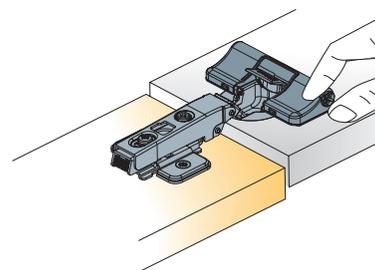


ST-i2 plus series  
ST-i2 series  
Basic-i 2 series

The damping action can be adjusted to fit different door weights which enables perfect door functioning.



Adjustable damping zone

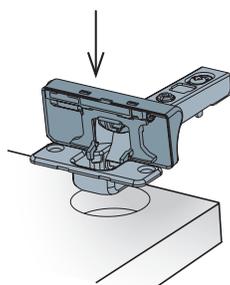


Turn towards '+' to increase and '-' to decrease the damping

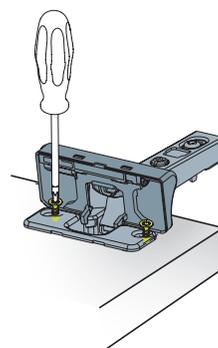


## How to mount ST-i2 / Basic-i2 hinges?

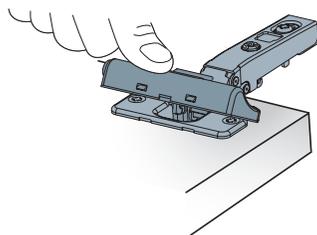
- ST-i2 plus series
- ST-i2 series
- Basic-i2 series



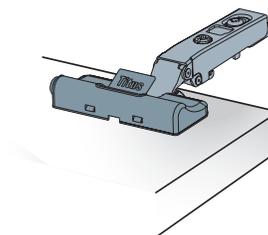
Insert Basic-i 2 / ST-i 2 hinge into the hinge cup hole.



Fix the hinge cup.



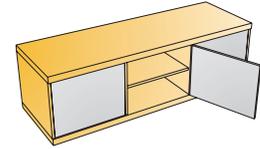
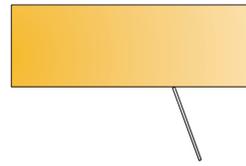
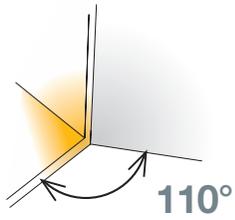
Snap the soft closing mechanism to the hinge cup.



# ST-i2 plus 110

## 2<sup>nd</sup> Generation

For wooden doors



- Opening angle
- Drilling diameter for hinge cup
- Drilling depth
- Hinge on plate mounting system

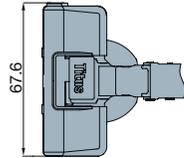
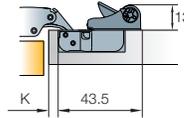
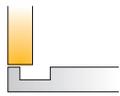
110°  
35mm  
min. 11mm  
ST



Technical details

Cup type	Interaxis 45mm	Interaxis 48mm
Item number	954.0695.050	954.0807.050

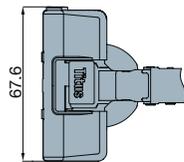
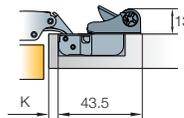
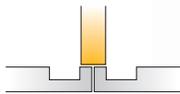
Cranking  
0mm



100 Pcs

Made of steel and plastic

Cranking  
9mm



100 Pcs

Made of steel and plastic

### Mounting plates



Steel mounting plates  
→ see page 3.73



Zinc diecast mounting plates  
→ see page 3.73

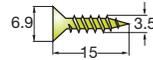


Steel mounting plates with  
cam adjustable height  
→ see page 3.73



Face frame adapters  
→ see page 3.75

### Hinge cup screws If not pre-mounted



820.6308.050

10000 Pcs



### Legend of hinge cup symbols



Screw-on  
ready  
← screws



Cover caps for hinge arm  
→ see page 3.137

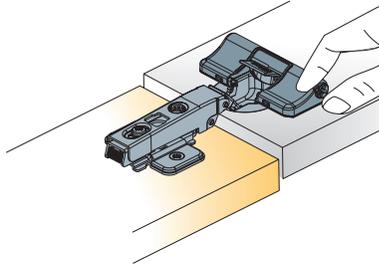


3.21

Titus

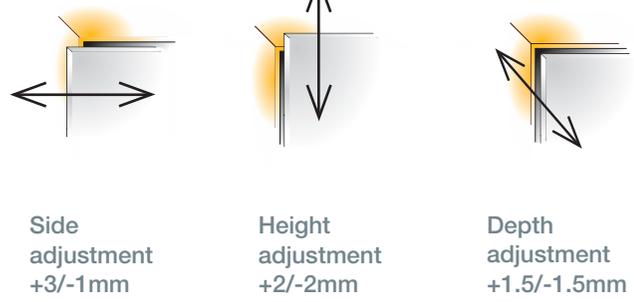
### Damping adjustment

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



For further explanation → see page 3.19

### Door adjustment



Side adjustment  
+3/-1mm

Height adjustment  
+2/-2mm

Depth adjustment  
+1.5/-1.5mm

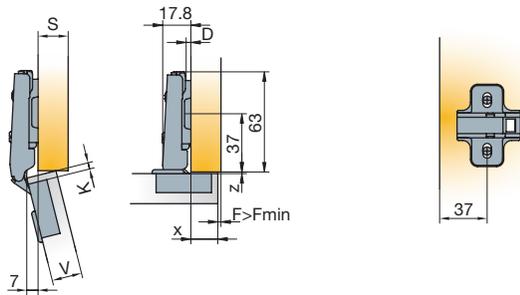
For further explanation → see pages 3.14 - 3.16

### Mounting details

### Mounting plate drilling distance

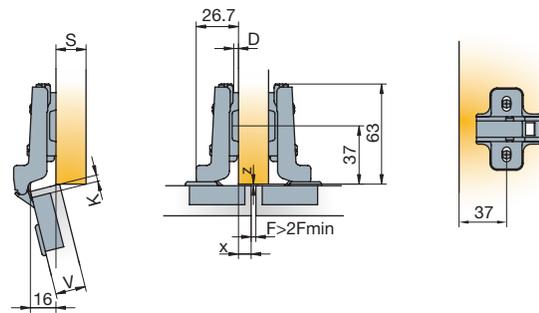
### Mounting plate thickness table

For further explanation → see page 3.7



x	13	14	15	16	17	18
3	3	2	1	0		
K 4		3	2	1	0	
5			3	2	1	0 D

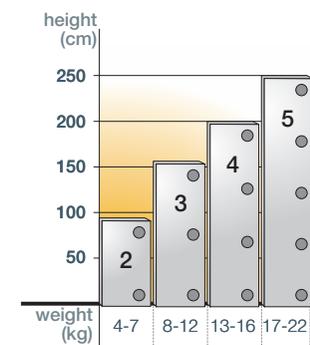
Drawings show application on D=0mm thick mounting plate



x	4	5	6	7	8	9
3	3	2	1	0		
K 4		3	2	1	0	
5			3	2	1	0 D

Drawings show application on D=0mm thick mounting plate

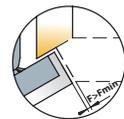
### Recommended number per door and positioning



For further explanation → see page 3.13

### Door clearance

For further explanation → see page 3.7



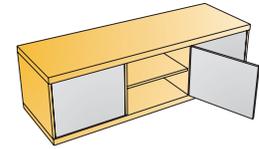
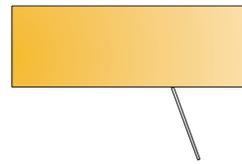
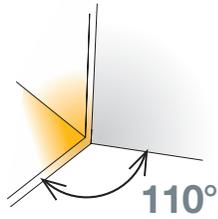
V	16	17	18	19	20	21	22
3	0.3	0.5	0.7	1.0	1.3	1.7	2.5
K 4	0.3	0.5	0.7	0.9	1.2	1.6	2.1
5	0.3	0.5	0.7	0.9	1.2	1.5	2.0 F <sub>MIN</sub>

Gap Z<sub>MIN</sub>=0

# ST-i2 110

## 2<sup>nd</sup> Generation

For wooden doors



- Opening angle
- Drilling diameter for hinge cup
- Drilling depth
- Hinge on plate mounting system

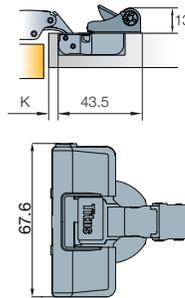
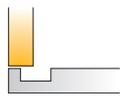
110°  
35mm  
min. 11mm  
ST



Technical details

Cup type	Interaxis 45mm	Interaxis 48mm
	Item number 954.0454.050	Item number 954.0793.050

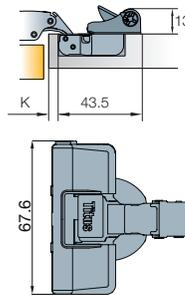
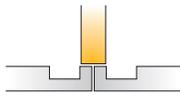
Cranking  
0mm



100 Pcs

Made of steel and plastic

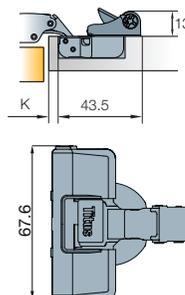
Cranking  
9mm



100 Pcs

Made of steel and plastic

Cranking  
15mm



100 Pcs

Made of steel and plastic

### Mounting plates



Steel mounting plates  
→ see page 3.73



Zinc diecast mounting plates  
→ see page 3.73

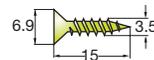


Steel mounting plates with  
cam adjustable height  
→ see page 3.73



Face frame adapters  
→ see page 3.75

### Hinge cup screws If not pre-mounted



820.6308.050

10000 Pcs



### Accessories

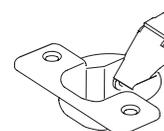


Cover caps for hinge arm  
→ see page 3.137

### Legend of hinge cup symbols

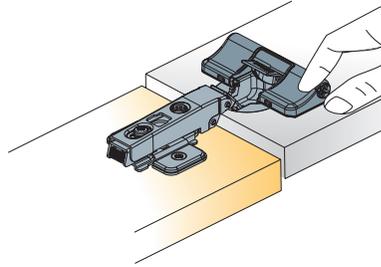


Screw-on  
ready  
← screws



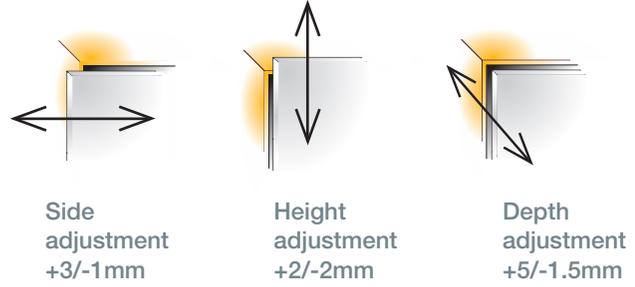
### Damping adjustment

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



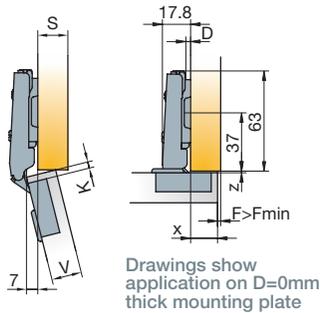
For further explanation → see page 3.19

### Door adjustment

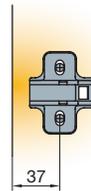


For further explanation → see pages 3.14 - 3.16

### Mounting details



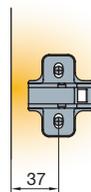
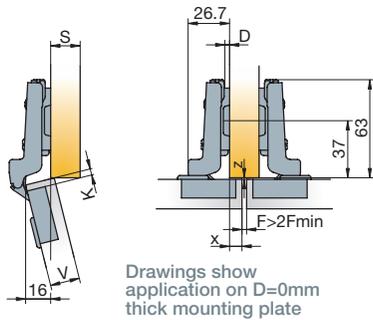
### Mounting plate drilling distance



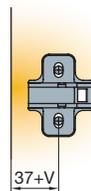
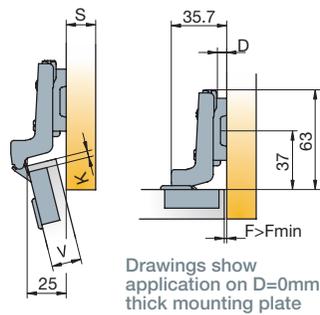
### Mounting plate thickness table

For further explanation → see page 3.7

x	13	14	15	16	17	18
3	3	2	1	0		
K 4		3	2	1	0	
5			3	2	1	0 D

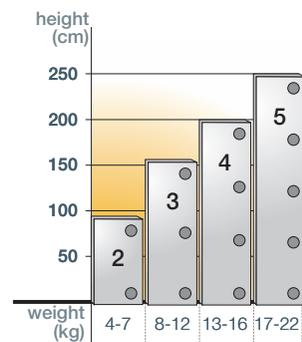


x	4	5	6	7	8	9
3	3	2	1	0		
K 4		3	2	1	0	
5			3	2	1	0 D



V	16	17	18	19	20	21
3	2	2	2	3	3	3
K 4	3	3	3			
5	3					D

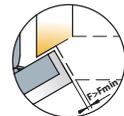
### Recommended number per door and positioning



For further explanation → see page 3.13

### Door clearance

For further explanation → see page 3.7

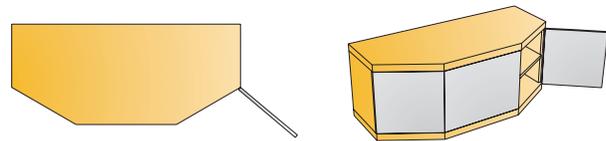
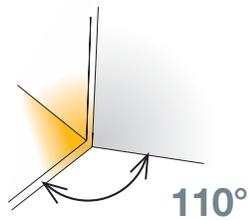


V	16	17	18	19	20	21	22
3	0.3	0.5	0.7	1.0	1.3	1.7	2.5
K 4	0.3	0.5	0.7	0.9	1.2	1.6	2.1
5	0.3	0.5	0.7	0.9	1.2	1.5	2.0 F <sub>MIN</sub>

Gap Z<sub>MIN</sub>=0

# ST-i2 110/30° 2<sup>nd</sup> Generation

30° angled application for wooden doors



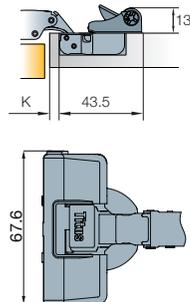
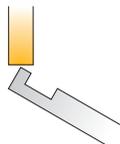
- Opening angle 110°
- Drilling diameter for hinge cup 35mm
- Drilling depth min. 11mm
- Hinge on plate mounting system ST



Technical details

	Interaxis 45mm	Interaxis 48mm
Cup type		
Item number	954.0684.650	954.0796.650

Cranking  
9mm



Drilling patterns for hinge cups → see page 3.10

100 Pcs

Cup made of steel and plastic, arm made of zinc

### Mounting plates



Steel mounting plates  
→ see page 3.73

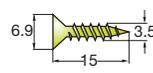


Zinc diecast mounting plates  
→ see page 3.73



Steel mounting plates with  
cam adjustable height  
→ see page 3.73

### Hinge cup screws If not pre-mounted



820.6308.050

10000 Pcs



### Accessories

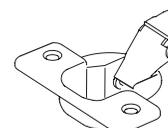


Cover caps for hinge arm  
→ see page 3.137

### Legend of hinge cup symbols

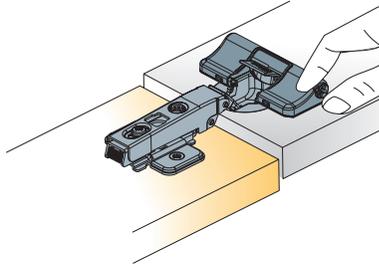


Screw-on  
ready  
← screws



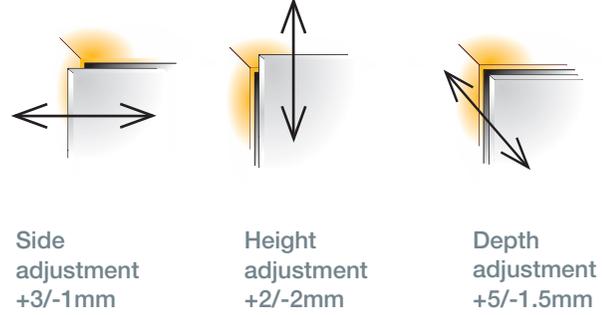
### Damping adjustment

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



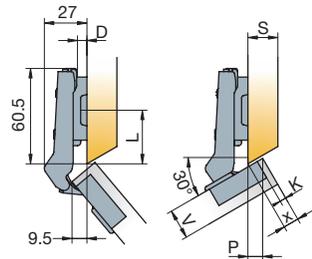
For further explanation → see page 3.19

### Door adjustment



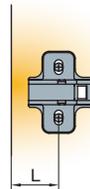
For further explanation → see pages 3.14 - 3.16

### Mounting details



Drawings show application on D=3mm thick mounting plate

### Mounting plate drilling distance

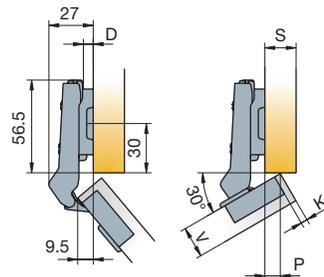


L=37 for thickness D=0  
L=36 for thickness D=1  
L=35 for thickness D=2  
L=34 for thickness D=3  
L=31 for thickness D=9

### Mounting plate thickness table

For further explanation → see page 3.7

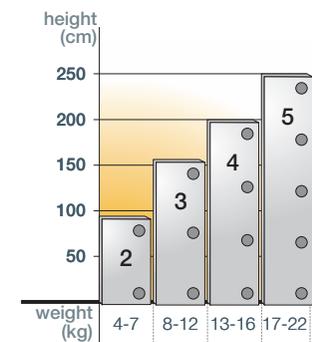
x	2	3	4	9	10	11	12	13	14	15
3		9		3	2			0		
K 4		9		3	2			0		
5			9		3	2			0	D



Drawings show application on D=3mm thick mounting plate

P	2.5	3.5	4.5	8.5	9.5	10.5	11.5	12.5	13.5
3	9			3	2	1	0		
K 4		9		3	2	1	0		
5			9		3	2	1	0	D

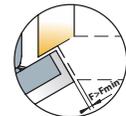
### Recommended number per door and positioning



For further explanation → see page 3.13

### Door clearance

For further explanation → see page 3.7

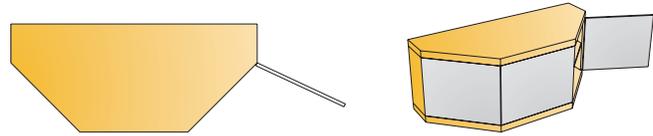
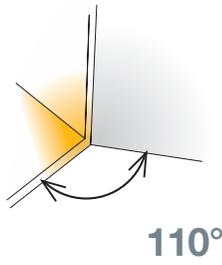


V	16	17	18	19	20	21	22
3	0.3	0.5	0.7	1.0	1.3	1.7	2.5
K 4	0.3	0.5	0.7	0.9	1.2	1.6	2.1
5	0.3	0.5	0.7	0.9	1.2	1.5	2.0 F <sub>MIN</sub>

Gap Z<sub>MIN</sub>=0

# ST-i2 110/45° 2<sup>nd</sup> Generation

45° angled application for wooden doors



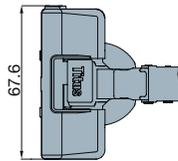
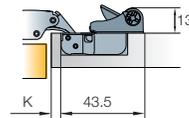
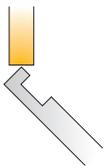
- Opening angle 110°
- Drilling diameter for hinge cup 35mm
- Drilling depth min. 11mm
- Hinge on plate mounting system ST



Technical details

	Interaxis 45mm	Interaxis 48mm
Cup type		
Item number	954.0685.650	954.0797.650

Cranking  
9mm



Drilling patterns for hinge cups → see page 3.10

100 Pcs

Cup made of steel and plastic, arm made of zinc

### Mounting plates



Steel mounting plates  
→ see page 3.73

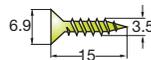


Zinc diecast mounting plates  
→ see page 3.73



Steel mounting plates with  
cam adjustable height  
→ see page 3.73

### Hinge cup screws If not pre-mounted



820.6308.050

10000 Pcs



### Accessories

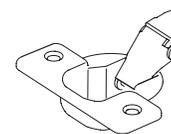
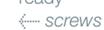


Cover caps for hinge arm  
→ see page 3.137

### Legend of hinge cup symbols

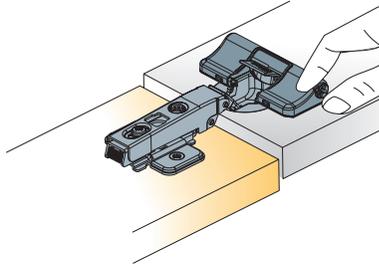


Screw-on  
ready



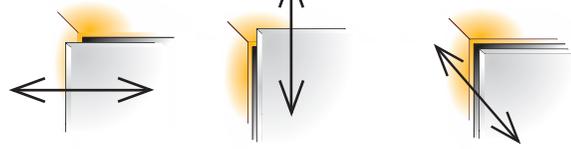
### Damping adjustment

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



For further explanation → see page 3.19

### Door adjustment



Side adjustment  
+3/-1mm

Height adjustment  
+2/-2mm

Depth adjustment  
+5/-1.5mm

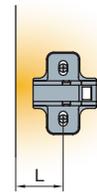
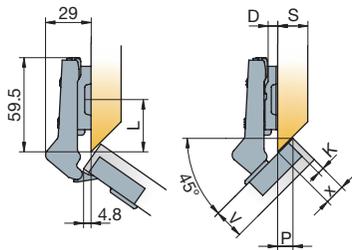
For further explanation → see pages 3.14 - 3.16

### Mounting details

### Mounting plate drilling distance

### Mounting plate thickness table

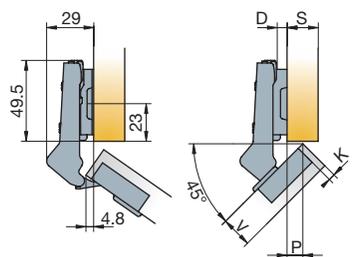
For further explanation → see page 3.7



x	11.5	12.5	13	13.5	14	14.5	15	15.5	16	16.5	17	18
3	3		2			1			0			
K 4		3			2			1			0	
5				3			2			1		0

Drawings show application on D=3mm thick mounting plate

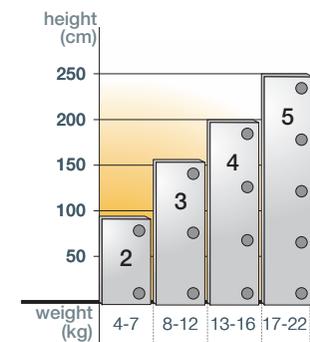
L=36 for thickness D=0  
L=35 for thickness D=1  
L=34 for thickness D=2  
L=33 for thickness D=3



P	9	9.5	10	10.5	11	11.5	12	12.5	13.5
3	3		2		1		0		
K 4		3		2		1		0	
5				3		2		1	0

Drawings show application on D=3mm thick mounting plate

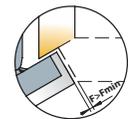
### Recommended number per door and positioning



For further explanation → see page 3.13

### Door clearance

For further explanation → see page 3.7

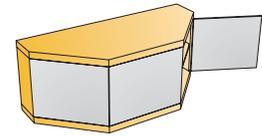
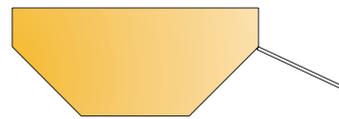
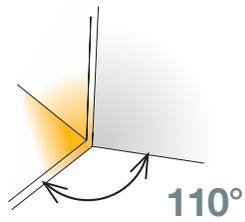


V	16	17	18	19	20	21	22
3	0.3	0.5	0.7	1.0	1.3	1.7	2.5
K 4	0.3	0.5	0.7	0.9	1.2	1.6	2.1
5	0.3	0.5	0.7	0.9	1.2	1.5	2.0

Gap Z<sub>MIN</sub>=0

# ST-i2 110/45° 2<sup>nd</sup> Generation

45° angled application for wooden doors



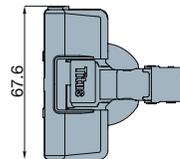
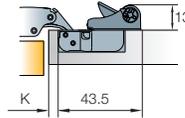
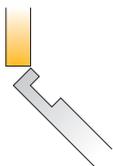
- Opening angle 110°
- Drilling diameter for hinge cup 35mm
- Drilling depth min. 11mm
- Hinge on plate mounting system ST



Technical details

Cup type	Interaxis 45mm	Interaxis 48mm
	Item number 954.0686.650	Item number 954.0798.650

Cranking  
18mm



Drilling patterns for hinge cups → see page 3.10

100 Pcs

Cup made of steel and plastic, arm made of zinc

Mounting plates



Steel mounting plates  
→ see page 3.73



Zinc diecast mounting plates  
→ see page 3.73

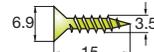


Steel mounting plates with cam adjustable height  
→ see page 3.73



Face frame adapters  
→ see page 3.75

Hinge cup screws  
If not pre-mounted



820.6308.050

10000 Pcs



Legend of hinge cup symbols

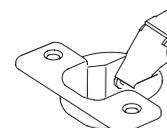


Screw-on ready  
← screws

Accessories

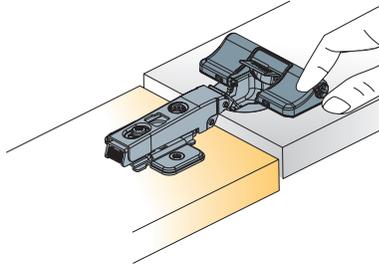


Cover caps for hinge arm  
→ see page 3.137



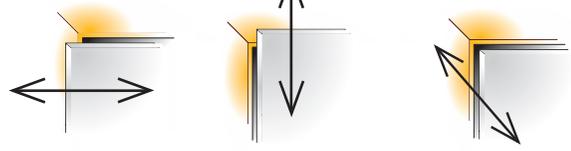
### Damping adjustment

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



For further explanation → see page 3.19

### Door adjustment



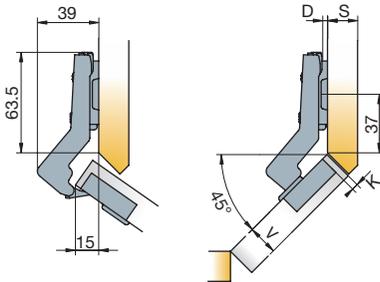
Side adjustment  
+3/-1mm

Height adjustment  
+2/-2mm

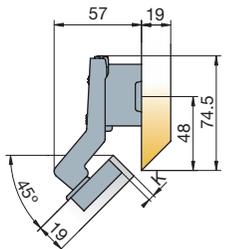
Depth adjustment  
+5/-1.5mm

For further explanation → see pages 3.14 - 3.16

### Mounting details

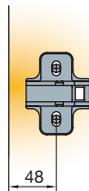
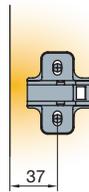


Drawings show application on D=0mm thick mounting plate



Drawings show application on D=18mm thick mounting plate

### Mounting plate drilling distance

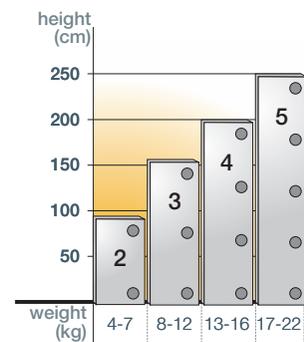


### Mounting plate thickness table

For further explanation → see page 3.7

K	3	4	5
D	0	1	2

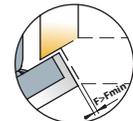
### Recommended number per door and positioning



For further explanation → see page 3.13

### Door clearance

For further explanation → see page 3.7

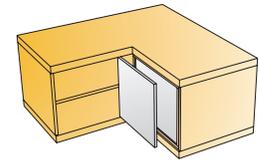
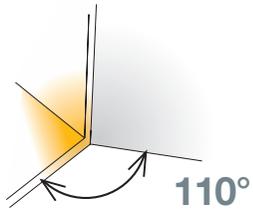


V	16	17	18	19	20	21	22
3	0.3	0.5	0.7	1.0	1.3	1.7	2.5
4	0.3	0.5	0.7	0.9	1.2	1.6	2.1
5	0.3	0.5	0.7	0.9	1.2	1.5	2.0 F <sub>MIN</sub>

Gap Z<sub>MIN</sub>=0

# ST-i2 110/90° 2<sup>nd</sup> Generation

For wooden door cabinets with blind panels



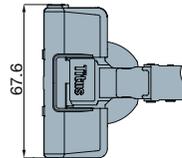
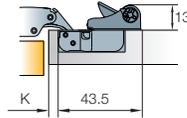
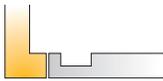
- Opening angle 110°
- Drilling diameter for hinge cup 35mm
- Drilling depth min. 11mm
- Hinge on plate mounting system ST



Technical details

	Interaxis 45mm	Interaxis 48mm
Cup type		
Item number	954.0687.650	954.0799.650

Cranking  
18mm



Drilling patterns for hinge cups → see page 3.10

50 Pcs

Cup made of steel and plastic, arm made of zinc

Mounting plates



Steel mounting plates  
→ see page 3.73



Zinc diecast mounting plates  
→ see page 3.73

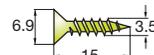


Steel mounting plates with cam adjustable height  
→ see page 3.73



Face frame adapters  
→ see page 3.75

Hinge cup screws  
If not pre-mounted



820.6308.050

10000 Pcs



Accessories

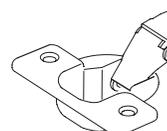


Cover caps for hinge arm  
→ see page 3.137

Legend of hinge cup symbols

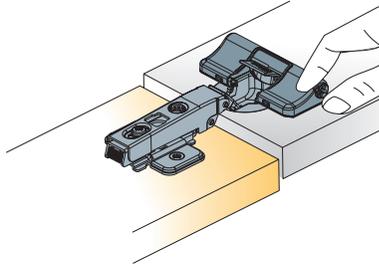


Screw-on ready  
← screws



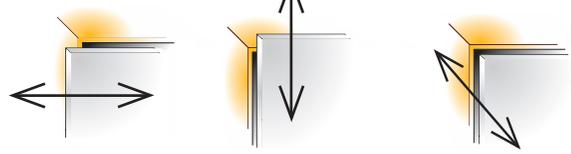
Damping adjustment

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



For further explanation → see page 3.19

Door adjustment



Side adjustment  
+3/-1mm

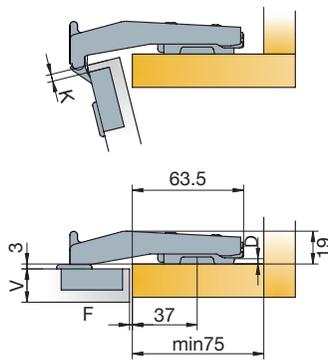
Height adjustment  
+2/-2mm

Depth adjustment  
+5/-1.5mm

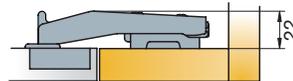
For further explanation → see pages 3.14 - 3.16

Mounting details

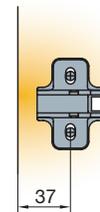
Mounting plate drilling distance



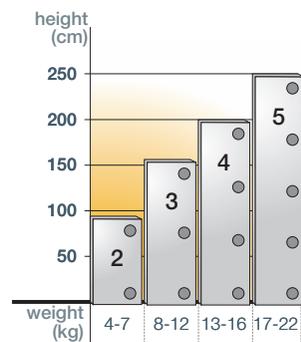
Drawings show application on D=0mm thick mounting plate



Drawings show application on D=3mm thick mounting plate



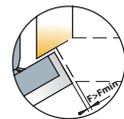
Recommended number per door and positioning



For further explanation → see page 3.13

Door clearance

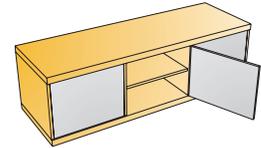
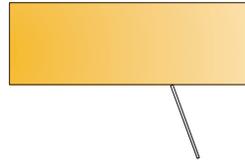
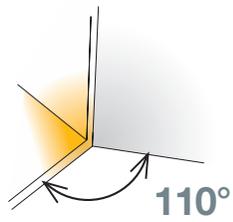
For further explanation → see page 3.7



V	16	17	18	19	20	21	22	
3	0.3	0.5	0.7	1.0	1.3	1.7	2.5	
K	4	0.3	0.5	0.7	0.9	1.2	1.6	2.1
5	0.3	0.5	0.7	0.9	1.2	1.5	2.0	F <sub>MIN</sub>

# ST-i plus 110

For wooden doors



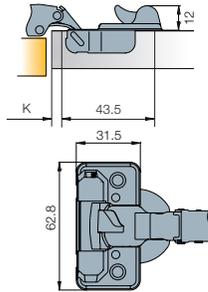
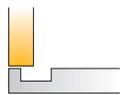
- Opening angle 110°
- Drilling diameter for hinge cup 35mm
- Drilling depth min. 11mm
- Hinge on plate mounting system ST



Technical details

Cup type	Interaxis 45mm	Interaxis 48mm
	Item number	Item number

Cranking 0mm



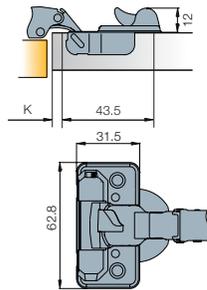
	954.0228.050	954.0229.050
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Drilling patterns for hinge cups → see page 3.10

200 Pcs

Made of steel and plastic

Cranking 9mm



	954.0E16.050	954.0E17.050
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Drilling patterns for hinge cups → see page 3.10

200 Pcs

Made of steel and plastic

### Mounting plates



Steel mounting plates  
→ see page 3.73



Zinc diecast mounting plates  
→ see page 3.73

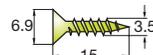


Steel mounting plates with cam adjustable height  
→ see page 3.73



Face frame adapters  
→ see page 3.75

### Hinge cup screws If not pre-mounted



820.6308.050

10000 Pcs



### Accessories

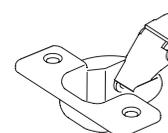


Cover caps for hinge arm  
→ see page 3.137

### Legend of hinge cup symbols



Screw-on ready  
← screws

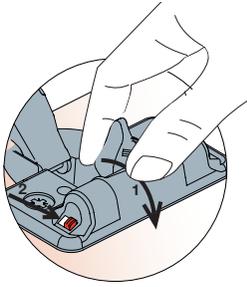


3.33

Titus

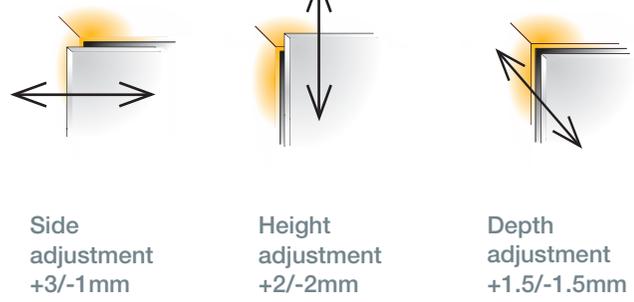
### Damping adjustment

To increase or decrease the damping, change the position of the damping reduction switch.



For further explanation → see page 3.19

### Door adjustment



Side adjustment  
+3/-1 mm

Height adjustment  
+2/-2 mm

Depth adjustment  
+1.5/-1.5 mm

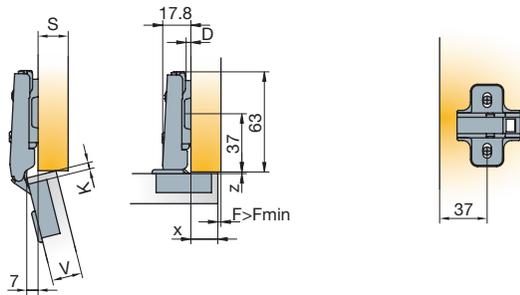
For further explanation → see pages 3.14 - 3.16

### Mounting details

### Mounting plate drilling distance

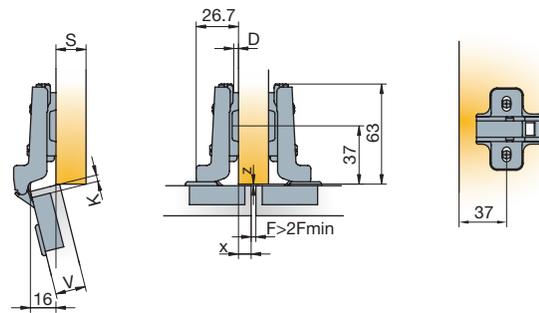
### Mounting plate thickness table

For further explanation → see page 3.7



x	13	14	15	16	17	18
3	3	2	1	0		
K	4	3	2	1	0	
5			3	2	1	0 D

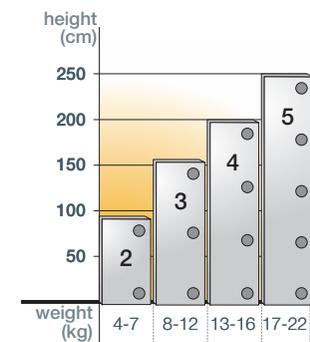
Drawings show application on D=0mm thick mounting plate



x	4	5	6	7	8	9
3	3	2	1	0		
K	4	3	2	1	0	
5			3	2	1	0 D

Drawings show application on D=0mm thick mounting plate

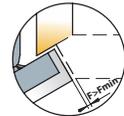
### Recommended number per door and positioning



For further explanation → see page 3.13

### Door clearance

For further explanation → see page 3.7

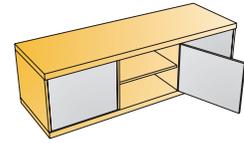
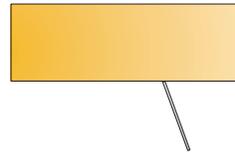
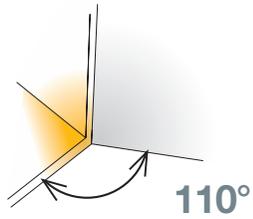


V	16	17	18	19	20	21	22	
3	0.3	0.5	0.7	1.0	1.3	1.7	2.5	
K	4	0.3	0.5	0.7	0.9	1.2	1.6	2.1
5	0.3	0.5	0.7	0.9	1.2	1.5	2.0 F <sub>MIN</sub>	

Gap Z<sub>MIN</sub>=0

# ST-i 110

For wooden doors



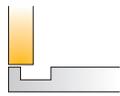
- Opening angle 110°
- Drilling diameter for hinge cup 35mm
- Drilling depth min. 11mm
- Hinge on plate mounting system ST



Technical details

Cup type	Interaxis 45mm	Interaxis 48mm
	Item number 954.0226.050	Item number 954.0227.050

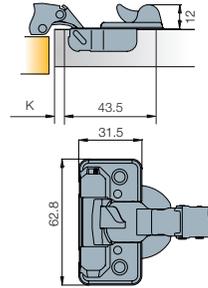
## Cranking 0mm



200 Pcs



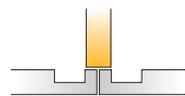
Made of steel and plastic



	954.0226.050	954.0227.050
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Drilling patterns for hinge cups → see page 3.10

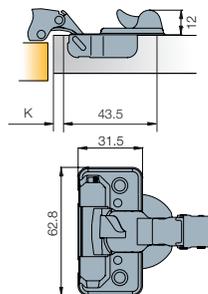
## Cranking 9mm



200 Pcs



Made of steel and plastic



	954.0230.050	954.0U81.050
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Drilling patterns for hinge cups → see page 3.10

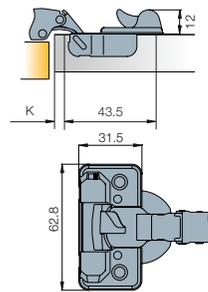
## Cranking 15mm



200 Pcs



Made of steel and plastic



	954.0E05.050	954.0E13.050
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Drilling patterns for hinge cups → see page 3.10

### Mounting plates



Steel mounting plates  
→ see page 3.73



Zinc diecast mounting plates  
→ see page 3.73

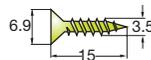


Steel mounting plates with cam adjustable height  
→ see page 3.73



Face frame adapters  
→ see page 3.75

### Hinge cup screws If not pre-mounted



820.6308.050

10000 Pcs



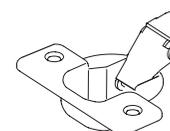
### Accessories

Cover caps for hinge arm  
→ see page 3.137

### Legend of hinge cup symbols

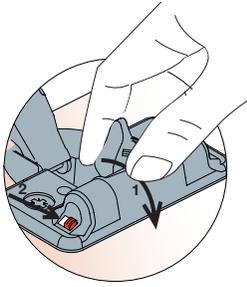


Screw-on ready  
← screws



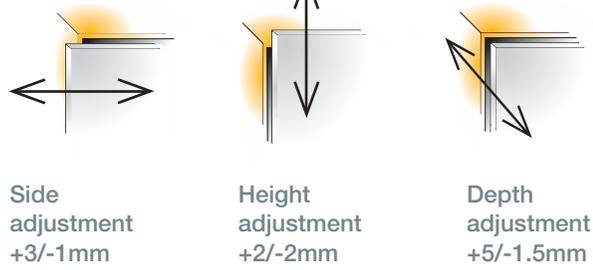
### Damping adjustment

To increase or decrease the damping, change the position of the damping reduction switch.



For further explanation → see page 3.19

### Door adjustment



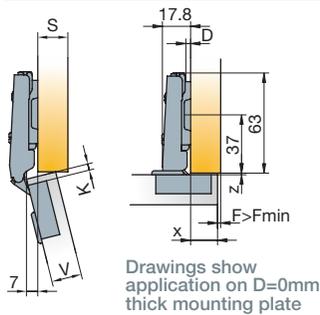
Side adjustment  
+3/-1mm

Height adjustment  
+2/-2mm

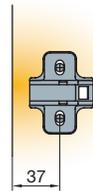
Depth adjustment  
+5/-1.5mm

For further explanation → see pages 3.14 - 3.16

### Mounting details



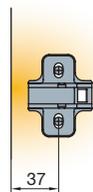
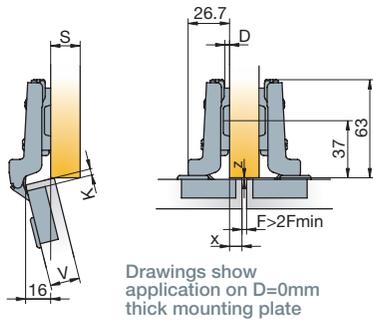
### Mounting plate drilling distance



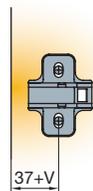
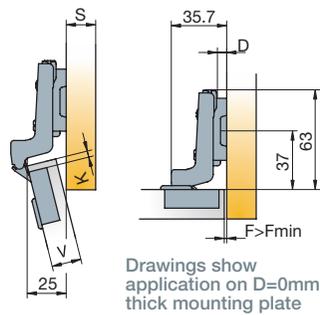
### Mounting plate thickness table

For further explanation → see page 3.7

x	13	14	15	16	17	18
3	3	2	1	0		
K 4		3	2	1	0	
5			3	2	1	0 D

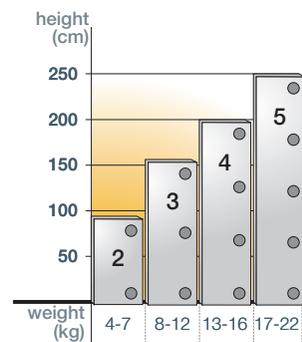


x	4	5	6	7	8	9
3	3	2	1	0		
K 4		3	2	1	0	
5			3	2	1	0 D



V	16	17	18	19	20	21
3	2	2	2	3	3	3
K 4	3	3	3			
5	3					D

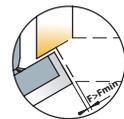
### Recommended number per door and positioning



For further explanation → see page 3.13

### Door clearance

For further explanation → see page 3.7

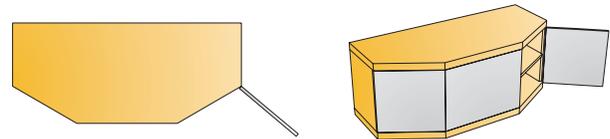
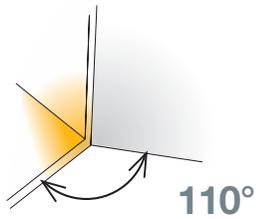


V	16	17	18	19	20	21	22
3	0.3	0.5	0.7	1.0	1.3	1.7	2.5
K 4	0.3	0.5	0.7	0.9	1.2	1.6	2.1
5	0.3	0.5	0.7	0.9	1.2	1.5	2.0 F <sub>MIN</sub>

Gap Z<sub>MIN</sub>=0

# ST-i 110/30°

30° angled application for wooden doors

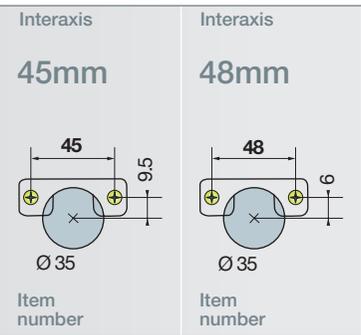


- Opening angle 110°
- Drilling diameter for hinge cup 35mm
- Drilling depth min. 11mm
- Hinge on plate mounting system ST

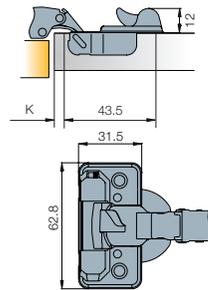
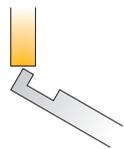


Technical details

	Interaxis 45mm	Interaxis 48mm
Cup type		
Item number	954.0E09.650	954.0164.650



Cranking  
9mm



Drilling patterns for hinge cups → see page 3.10

100 Pcs

Cup made of steel and plastic, arm made of zinc

### Mounting plates



Steel mounting plates  
→ see page 3.73

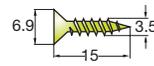


Zinc diecast mounting plates  
→ see page 3.73



Steel mounting plates with cam adjustable height  
→ see page 3.73

### Hinge cup screws If not pre-mounted



820.6308.050

10000 Pcs

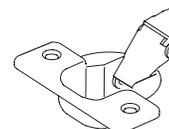


Cover caps for hinge arm  
→ see page 3.137

### Legend of hinge cup symbols

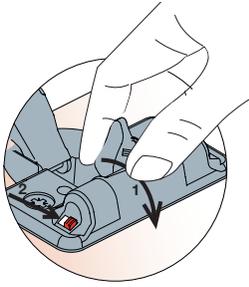


Screw-on ready  
← screws



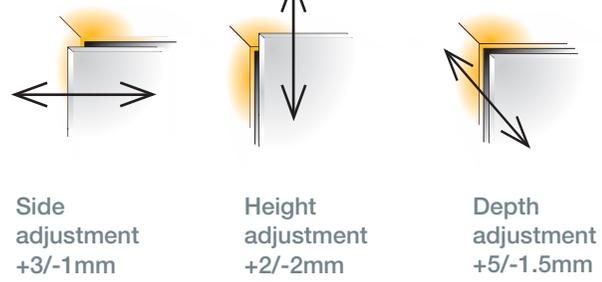
### Damping adjustment

To increase or decrease the damping, change the position of the damping reduction switch.



For further explanation → see page 3.19

### Door adjustment



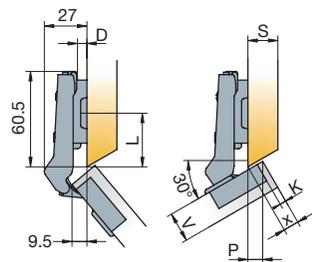
Side adjustment  
+3/-1mm

Height adjustment  
+2/-2mm

Depth adjustment  
+5/-1.5mm

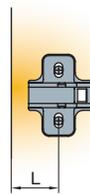
For further explanation → see pages 3.14 - 3.16

### Mounting details



Drawings show application on D=3mm thick mounting plate

### Mounting plate drilling distance

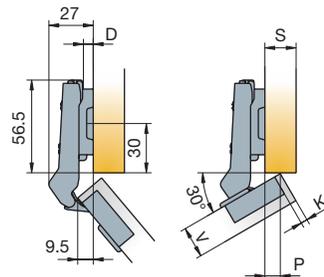


L=37 for thickness D=0  
L=36 for thickness D=1  
L=35 for thickness D=2  
L=34 for thickness D=3  
L=31 for thickness D=9

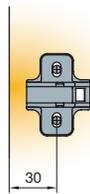
### Mounting plate thickness table

For further explanation → see page 3.7

x	2	3	4	9	10	11	12	13	14	15
3		9		3	2			0		
K	4		9		3	2			0	
	5			9		3	2			0
										D

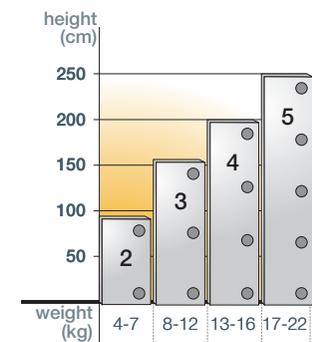


Drawings show application on D=3mm thick mounting plate



P	2.5	3.5	4.5	8.5	9.5	10.5	11.5	12.5	13.5
3		9		3	2	1	0		
K	4		9		3	2	1	0	
	5			9		3	2	1	0
									D

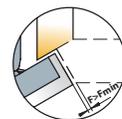
### Recommended number per door and positioning



For further explanation → see page 3.13

### Door clearance

For further explanation → see page 3.7

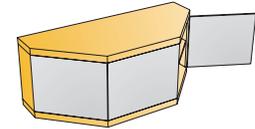
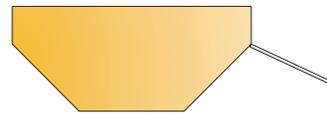
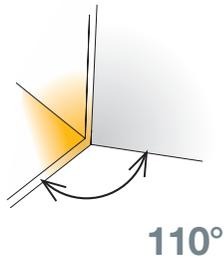


V	16	17	18	19	20	21	22
3	0.3	0.5	0.7	1.0	1.3	1.7	2.5
K	4	0.3	0.5	0.7	0.9	1.2	1.6
	5	0.3	0.5	0.7	0.9	1.2	1.5
							F <sub>MIN</sub>

Gap Z<sub>MIN</sub>=0

# ST-i 110/45°

45° angled application for wooden doors

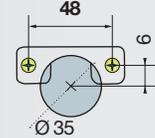
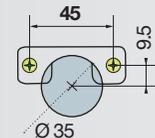


- Opening angle 110°
- Drilling diameter for hinge cup 35mm
- Drilling depth min. 11mm
- Hinge on plate mounting system ST

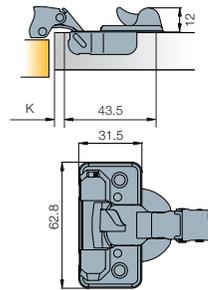
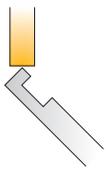


Technical details

	Interaxis 45mm	Interaxis 48mm
Cup type		
Item number	954.0E10.650	954.0165.650



Cranking  
9mm



Drilling patterns for hinge cups → see page 3.10

100 Pcs

Cup made of steel and plastic, arm made of zinc

### Mounting plates



Steel mounting plates  
→ see page 3.73

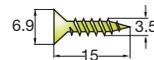


Zinc diecast mounting plates  
→ see page 3.73



Steel mounting plates with  
cam adjustable height  
→ see page 3.73

### Hinge cup screws If not pre-mounted



820.6308.050

10000 Pcs



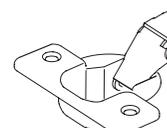
### Accessories

Cover caps for hinge arm  
→ see page 3.137

### Legend of hinge cup symbols

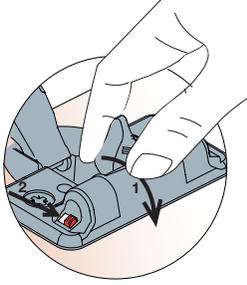


Screw-on  
ready  
← screws



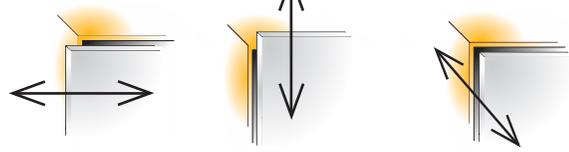
### Damping adjustment

To increase or decrease the damping, change the position of the damping reduction switch.



For further explanation → see page 3.19

### Door adjustment



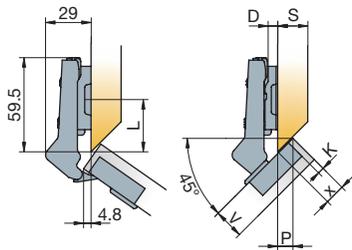
Side adjustment  
+3/-1mm

Height adjustment  
+2/-2mm

Depth adjustment  
+5/-1.5mm

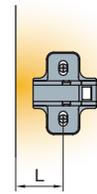
For further explanation → see pages 3.14 - 3.16

### Mounting details



Drawings show application on D=3mm thick mounting plate

### Mounting plate drilling distance

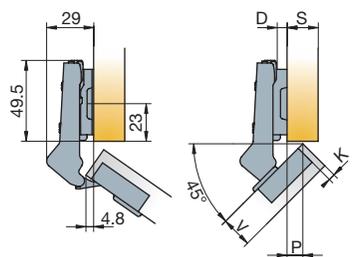


L=36 for thickness D=0  
L=35 for thickness D=1  
L=34 for thickness D=2  
L=33 for thickness D=3

### Mounting plate thickness table

For further explanation → see page 3.7

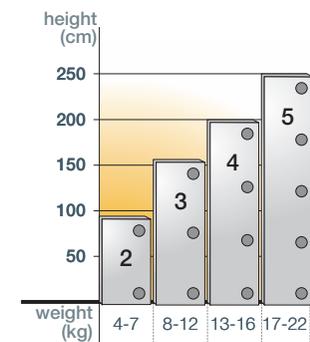
x	11.5	12.5	13	13.5	14	14.5	15	15.5	16	16.5	17	18
3	3		2		1			0				
K 4		3			2			1			0	
5				3			2			1		0



Drawings show application on D=3mm thick mounting plate

P	9	9.5	10	10.5	11	11.5	12	12.5	13.5
3	3		2		1		0		
K 4		3		2		1		0	
5				3		2		1	0

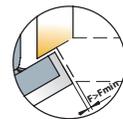
### Recommended number per door and positioning



For further explanation → see page 3.13

### Door clearance

For further explanation → see page 3.7

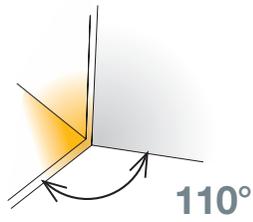


V	16	17	18	19	20	21	22
3	0.3	0.5	0.7	1.0	1.3	1.7	2.5
K 4	0.3	0.5	0.7	0.9	1.2	1.6	2.1
5	0.3	0.5	0.7	0.9	1.2	1.5	2.0

Gap Z<sub>MIN</sub>=0

# ST-i 110/45°

45° angled application for wooden doors



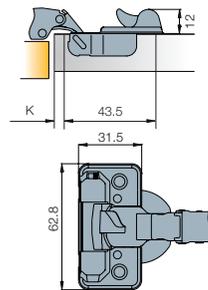
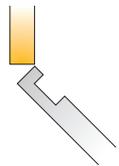
- Opening angle 110°
- Drilling diameter for hinge cup 35mm
- Drilling depth min. 11mm
- Hinge on plate mounting system ST



Technical details

	Interaxis 45mm	Interaxis 48mm
Cup type		
Item number	954.0E11.650	954.0E14.650

Cranking  
18mm



Drilling patterns for hinge cups → see page 3.10

100 Pcs

Cup made of steel and plastic, arm made of zinc

Mounting plates



Steel mounting plates  
→ see page 3.73



Zinc diecast mounting plates  
→ see page 3.73

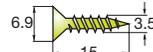


Steel mounting plates with  
cam adjustable height  
→ see page 3.73



Face frame adapters  
→ see page 3.75

Hinge cup screws  
If not pre-mounted



820.6308.050

10000 Pcs



Legend of hinge cup symbols

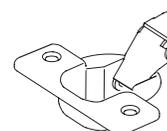


Screw-on  
ready  
← screws



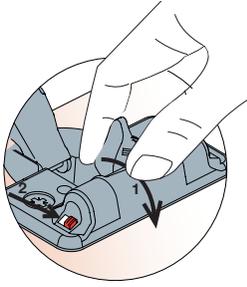
Accessories

Cover caps for hinge arm  
→ see page 3.137



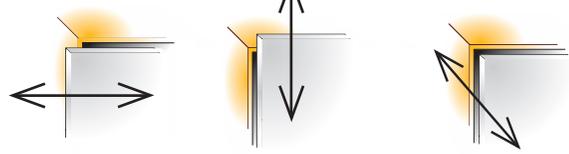
### Damping adjustment

To increase or decrease the damping, change the position of the damping reduction switch.



For further explanation → see page 3.19

### Door adjustment



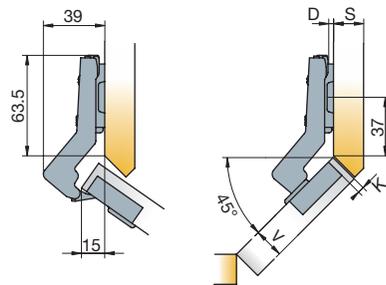
Side adjustment  
+3/-1mm

Height adjustment  
+2/-2mm

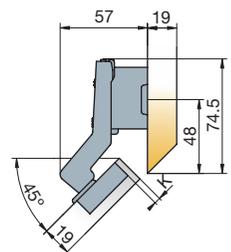
Depth adjustment  
+5/-1.5mm

For further explanation → see pages 3.14 - 3.16

### Mounting details

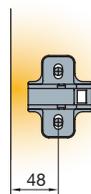
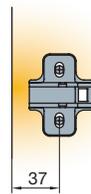


Drawings show application on D=0mm thick mounting plate



Drawings show application on D=18mm thick mounting plate

### Mounting plate drilling distance

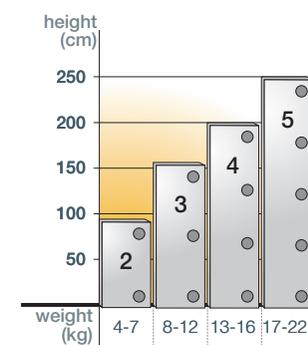


### Mounting plate thickness table

For further explanation → see page 3.7

K	3	4	5
D	0	1	2

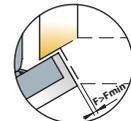
### Recommended number per door and positioning



For further explanation → see page 3.13

### Door clearance

For further explanation → see page 3.7

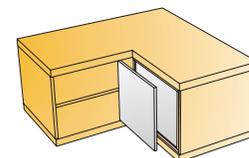
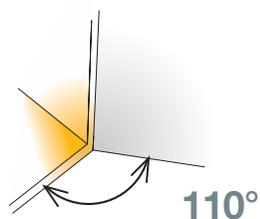


V	16	17	18	19	20	21	22
3	0.3	0.5	0.7	1.0	1.3	1.7	2.5
4	0.3	0.5	0.7	0.9	1.2	1.6	2.1
5	0.3	0.5	0.7	0.9	1.2	1.5	2.0 F <sub>MIN</sub>

Gap Z<sub>MIN</sub>=0

# ST-i 110/90°

For wooden door cabinets with blind panels



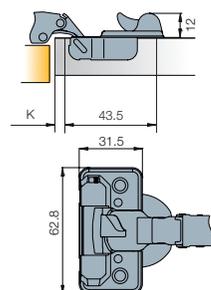
- Opening angle 110°
- Drilling diameter for hinge cup 35mm
- Drilling depth min. 11mm
- Hinge on plate mounting system ST



Technical details

	Interaxis 45mm	Interaxis 48mm
Cup type		
Item number		

Cranking  
18mm



	954.0E12.650	954.0E15.650
--	--------------	--------------

Drilling patterns for hinge cups → see page 3.10

100 Pcs

Cup made of steel and plastic, arm made of zinc

### Mounting plates



Steel mounting plates  
→ see page 3.73



Zinc diecast mounting plates  
→ see page 3.73



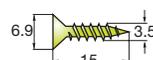
Steel mounting plates with cam adjustable height  
→ see page 3.73



Face frame adapters  
→ see page 3.75

### Hinge cup screws

If not pre-mounted



820.6308.050

10000 Pcs



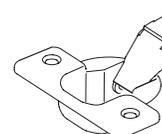
### Accessories



Cover caps for hinge arm  
→ see page 3.137

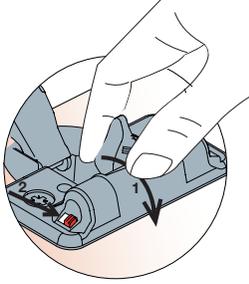
### Legend of hinge cup symbols

Screw-on ready  
← screws



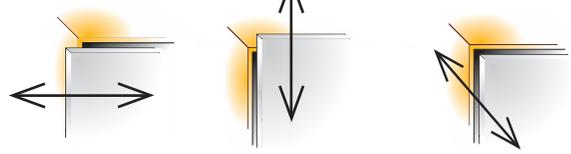
Damping adjustment

To increase or decrease the damping, change the position of the damping reduction switch.



For further explanation → see page 3.19

Door adjustment



Side adjustment  
+3/-1 mm

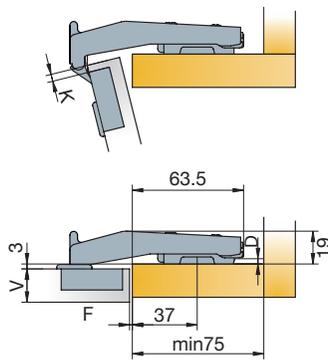
Height adjustment  
+2/-2 mm

Depth adjustment  
+5/-1.5 mm

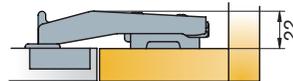
For further explanation → see pages 3.14 - 3.16

Mounting details

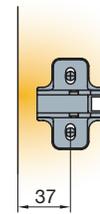
Mounting plate drilling distance



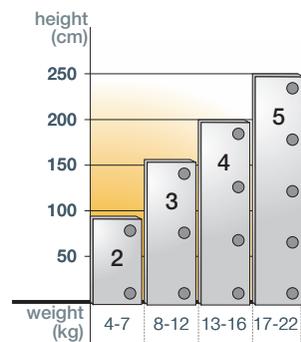
Drawings show application on D=0mm thick mounting plate



Drawings show application on D=3mm thick mounting plate



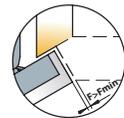
Recommended number per door and positioning



For further explanation → see page 3.13

Door clearance

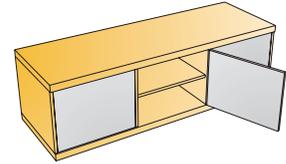
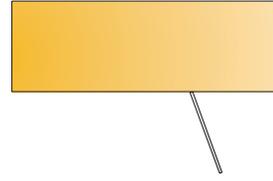
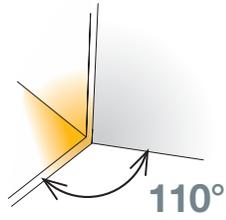
For further explanation → see page 3.7



V	16	17	18	19	20	21	22	
3	0.3	0.5	0.7	1.0	1.3	1.7	2.5	
K	4	0.3	0.5	0.7	0.9	1.2	1.6	2.1
5	0.3	0.5	0.7	0.9	1.2	1.5	2.0	F <sub>MIN</sub>

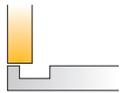
# ST plus 110

For wooden doors



Cup type	Interaxis	Interaxis
	45mm	48mm
	Item number	Item number

Cranking  
0mm



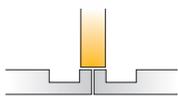
200 Pcs

Made of steel

	248.0T10.050	248.0T70.050
	248.0T13.050	248.0T71.050
	248.0T69.050	248.0T72.050

Drilling patterns for hinge cups → see page 3.10

Cranking  
9mm



200 Pcs

Made of steel

	248.0V69.050	248.0V71.050
	248.0V70.050	248.0V72.050
	248.0V56.050	

Drilling patterns for hinge cups → see page 3.10

### Mounting plates



Steel mounting plates  
→ see page 3.73



Zinc diecast mounting plates  
→ see page 3.73

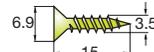


Steel mounting plates with cam adjustable height  
→ see page 3.73



Face frame adapters  
→ see page 3.75

### Hinge cup screws If not pre-mounted



820.6308.050

10000 Pcs



### Legend of hinge cup symbols



Screw-on ready  
← screws



Machine insertion ready



Easy-fix system

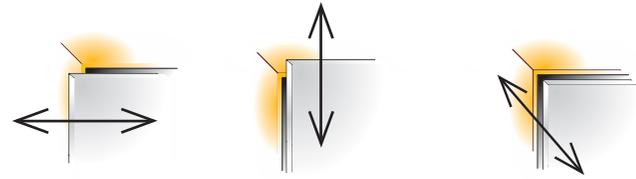


3.45

Titus

- Opening angle
- Drilling diameter for hinge cup
- Drilling depth
- Hinge on plate mounting system

110°  
35mm  
11.5mm  
ST



Side adjustment  
+3/-1mm

Height adjustment  
+2/-2mm

Depth adjustment  
+1.5/-1.5mm

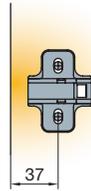
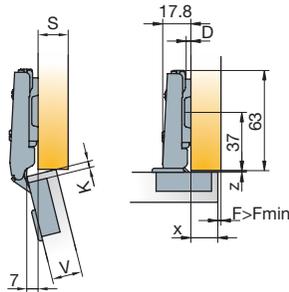
- Quick, comfortable and precise depth adjustment

For further explanation → see pages 3.14 - 3.16

Mounting details

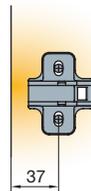
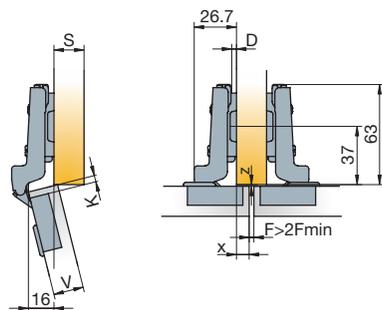
Mounting plate drilling distance

Mounting plate thickness table  
For further explanation → see page 3.7



x	13	14	15	16	17	18
3	3	2	1	0		
K	4	3	2	1	0	
5			3	2	1	0 D

Drawings show application on D=0mm thick mounting plate



x	4	5	6	7	8	9
3	3	2	1	0		
K	4	3	2	1	0	
5			3	2	1	0 D

Drawings show application on D=0mm thick mounting plate

Soft closing systems

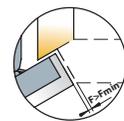
Accessories

Door clearance  
For further explanation → see page 3.7



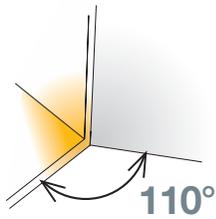
V	16	17	18	19	20	21	22
3	0.3	0.5	0.7	1.0	1.3	1.7	2.5
K	4	0.3	0.5	0.7	0.9	1.2	1.6 2.1
5	0.3	0.5	0.7	0.9	1.2	1.5	2.0 F <sub>MIN</sub>

Gap Z<sub>MIN</sub>=0

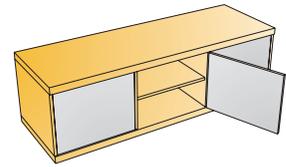
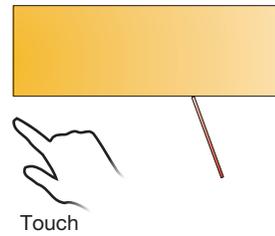


# ST plus 110

## Touch opening

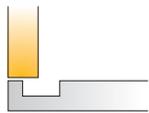


For wooden doors without handles



Cup type	Interaxis	Interaxis	Item number
	45mm	48mm	
	Item number	Item number	Item number

### Cranking 0mm



200 Pcs

Made of steel

	915.0Z85.050	915.0Z96.050	
--	--------------	--------------	--

Drilling patterns for hinge cups → see page 3.10

### Cranking 9mm



200 Pcs

Made of steel

	915.0007.050		
--	--------------	--	--

Drilling patterns for hinge cups → see page 3.10

### Catches



Catch



Catch with base plate



Knock-in pad



Self adhesive pad

100 Pcs

Made of plastic

	Catch	915.7102.380
	Catch with base plate	915.7110.380
	Knock-in pad	915.7109.050
	Self adhesive pad	915.7105.050

### Mounting plates



Steel mounting plates  
→ see page 3.73



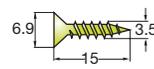
Zinc diecast mounting plates  
→ see page 3.73



Steel mounting plates with cam adjustable height  
→ see page 3.73

### Hinge cup screws

If not pre-mounted



820.6308.050

10000 Pcs

### Legend of hinge cup symbols



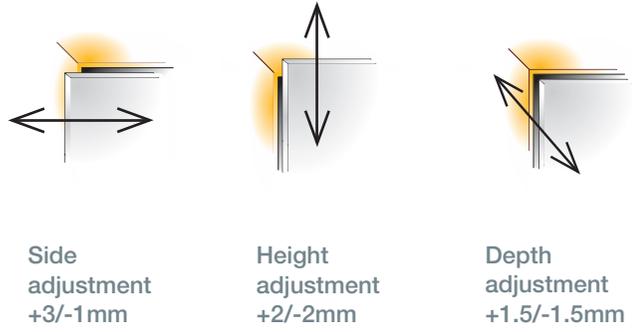
Screw-on ready  
← screws



- Opening angle
- Drilling diameter for hinge cup
- Drilling depth
- Hinge on plate mounting system

110°  
35mm  
11.5mm  
ST

- Hinge integrated self-opening mechanism
- Effortless opening with just a light touch



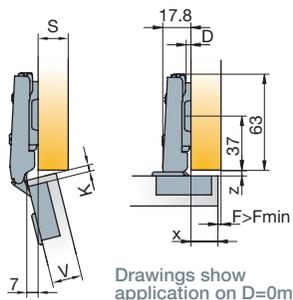
Side adjustment  
+3/-1mm

Height adjustment  
+2/-2mm

Depth adjustment  
+1.5/-1.5mm

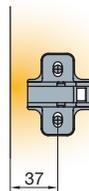
For further explanation → see pages 3.14 - 3.16

Mounting details



Drawings show application on D=0mm thick mounting plate

Mounting plate drilling distance

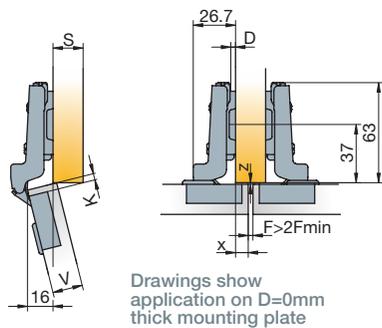


Mounting plate thickness table

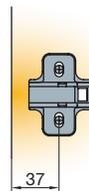
For further explanation → see page 3.7

x	13	14	15	16	17	18
3	3	2	1	0		
K	4	3	2	1	0	
5			3	2	1	0 D

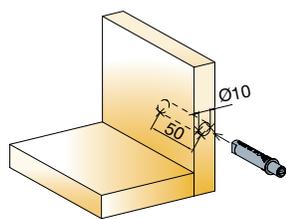
Mounting details



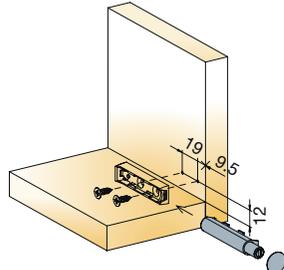
Drawings show application on D=0mm thick mounting plate



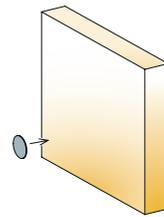
x	4	5	6	7	8	9
3	3	2	1	0		
K	4	3	2	1	0	
5			3	2	1	0 D



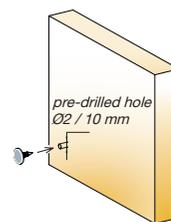
Catch



Catch with base plate



Fixing of pad depends on the catch position



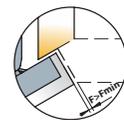
Accessories



Cover caps for hinge arm  
→ see page 3.137

Door clearance

For further explanation → see page 3.7

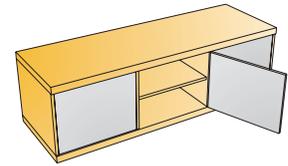
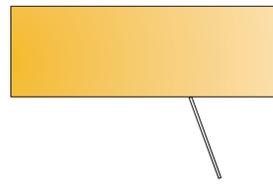
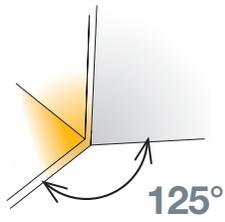


V	16	17	18	19	20	21	22
3	0.3	0.5	0.7	1.0	1.3	1.7	2.5
K	4	0.3	0.5	0.7	0.9	1.2	1.6
5	0.3	0.5	0.7	0.9	1.2	1.5	2.0 F <sub>MIN</sub>

Gap Z<sub>MIN</sub>=0

# ST plus 125

For wooden doors



Cranking  
0mm



	Interaxis 45mm	Interaxis 48mm
Cup type	Item number	Item number
	248.0U85.050	248.0V08.050
	248.0U84.050	248.0V09.050
	248.0U86.050	248.0V10.050

Drilling patterns for hinge cups → see page 3.10

200 Pcs

Made of steel

### Mounting plates



Steel mounting plates  
→ see page 3.73



Zinc diecast mounting plates  
→ see page 3.73



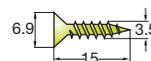
Steel mounting plates with cam adjustable height  
→ see page 3.73



Face frame adapters  
→ see page 3.75

### Hinge cup screws

If not pre-mounted



820.6308.050

10000 Pcs

### Legend of hinge cup symbols



Screw-on ready  
← screws



Machine insertion ready

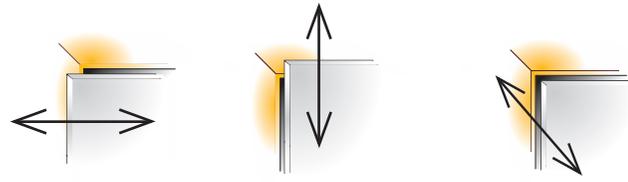


Easy-fix system



- Opening angle 125°
- Drilling diameter for hinge cup 35mm
- Drilling depth 12.5mm
- Hinge on plate mounting system ST

- Enables better accessibility due to the wider opening angle
- Quick, comfortable and precise depth adjustment



Side adjustment  
+3/-1mm

Height adjustment  
+2/-2mm

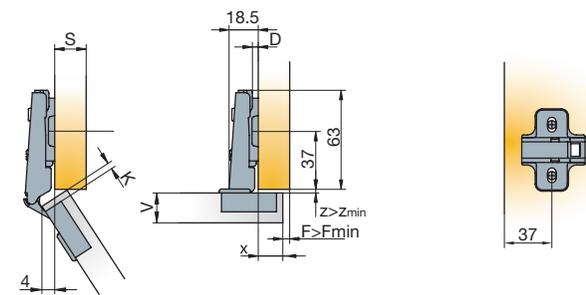
Depth adjustment  
+1.5/-1.5mm

For further explanation → see pages 3.14 - 3.16

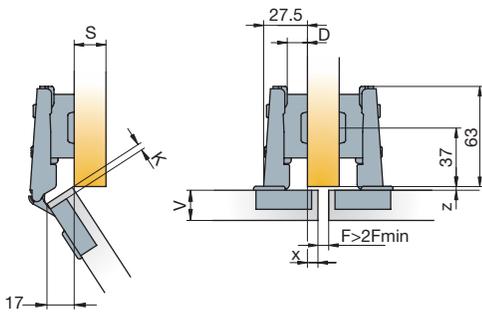
Mounting details

Mounting plate drilling distance

Mounting plate thickness table  
For further explanation → see page 3.7

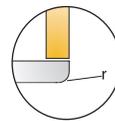


Drawings show application on D=0mm thick mounting plate



Drawings show application on D=9mm thick mounting plate

x	13	14	15	16	17	18	19
3	3	2	1	0			
K 4		3	2	1	0		
5			3	2	1	0	
6				3	2	1	0 D



r	1	3	4	5	6
g	0.4	1.2	1.7	2.1	2.5

$$Z_{MIN} = (K-2) \times 0.7 + (V-16) \times 0.5 - g$$

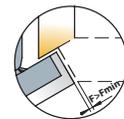
Soft closing systems



Accessories



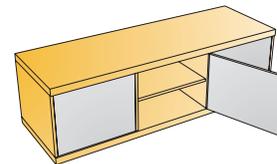
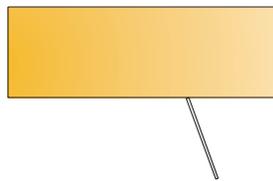
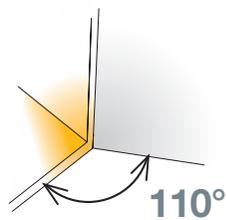
Door clearance  
For further explanation → see page 3.7



V	16	17	18	19	20	21	22	23	24
3	0.5	1.5	1.9	2.4	2.9	3.4	4.1	4.8	5.6
K 4	1.2	1.5	1.8	2.2	2.7	3.3	3.8	4.5	5.2
5	1.1	1.4	1.8	2.2	2.6	3.1	3.6	4.3	4.9
6	1.1	1.4	1.7	2.1	2.5	2.9	3.5	4.0	4.7 F <sub>MIN</sub>

# ST 110

For wooden doors



	Interaxis 45mm	Interaxis 48mm
Cup type	Item number	Item number

Cranking  
**0mm**



200 Pcs

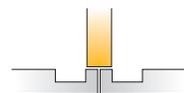
Made of steel



	248.0535.050	248.0532.050
	248.0171.050	248.0172.050
	248.0186.050	248.0188.050

Drilling patterns for hinge cups → see page 3.10

Cranking  
**9mm**



200 Pcs

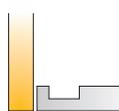
Made of steel



	248.0536.050	248.0533.050
	248.0279.050	248.0327.050
	248.0482.050	248.0545.050

Drilling patterns for hinge cups → see page 3.10

Cranking  
**15mm**



200 Pcs

Made of steel



	248.0537.050	248.0534.050
	248.0280.050	248.0328.050
	248.0487.050	248.0547.050

Drilling patterns for hinge cups → see page 3.10

## Mounting plates



Steel mounting plates  
→ see page 3.73



Zinc diecast mounting plates  
→ see page 3.73

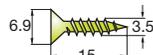


Steel mounting plates with cam adjustable height  
→ see page 3.73



Face frame adapters  
→ see page 3.75

## Hinge cup screws If not pre-mounted



820.6308.050

10000 Pcs



## Legend of hinge cup symbols



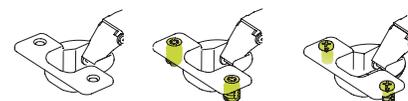
Screw-on ready  
← screws



Machine insertion ready



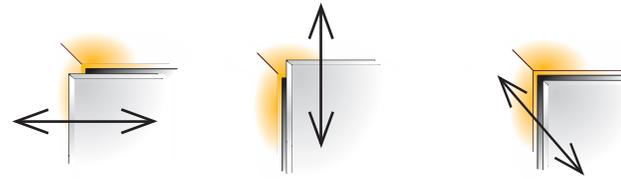
Easy-fix system



3.51

**Titus**

- Opening angle 110°
- Drilling diameter for hinge cup 35mm
- Drilling depth 11.5mm
- Hinge on plate mounting system ST



Side adjustment  
+3/-1mm

Height adjustment  
+2/-2mm

Depth adjustment  
+5/-1.5mm

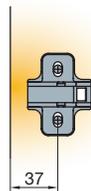
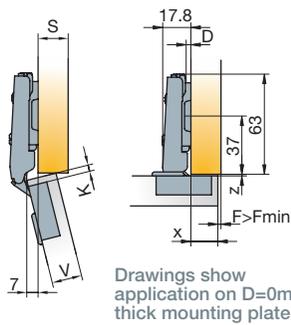
- Quick and practical assembly on the hinge and mounting plate by pressing gently on the rear part of the hinge arm
- One button disassembly

For further explanation → see pages 3.14 - 3.16

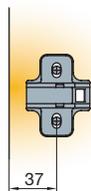
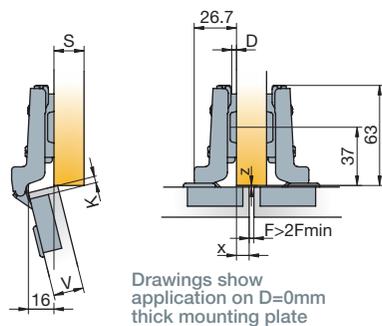
Mounting details

Mounting plate drilling distance

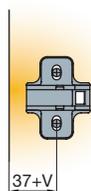
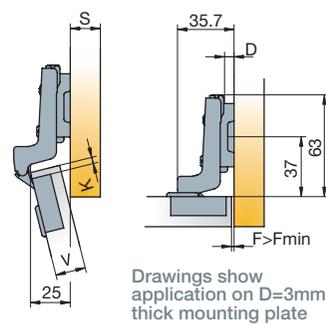
Mounting plate thickness table  
For further explanation → see page 3.7



x	13	14	15	16	17	18
3	3	2	1	0		
K	4	3	2	1	0	
5			3	2	1	0



x	4	5	6	7	8	9
3	3	2	1	0		
K	4	3	2	1	0	
5			3	2	1	0



V	16	17	18	19	20	21
3	2	2	2	3	3	3
K	4	3	3			
5	3					

Soft closing systems

Accessories

Door clearance  
For further explanation → see page 3.7

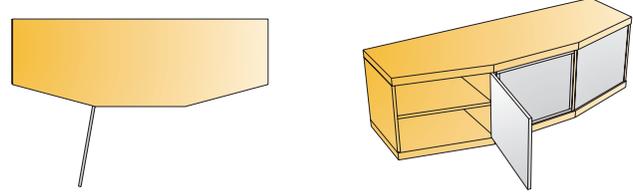
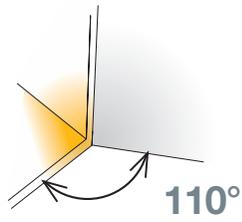


V	16	17	18	19	20	21	22
3	0.3	0.5	0.7	1.0	1.3	1.7	2.5
K	4	0.3	0.5	0.7	0.9	1.2	1.6
5	0.3	0.5	0.7	0.9	1.2	1.5	2.0

Gap Z<sub>MIN</sub>=0

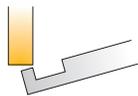
# ST 110/-15°

-15° angled application for wooden doors



	Interaxis 45mm	Interaxis 48mm
Cup type	Item number	Item number
	248.0V14.050	248.0V39.050
	248.0V41.050	248.0V42.050

Cranking  
0mm



Drilling patterns for hinge cups → see page 3.10

100 Pcs

Cup made of steel, arm made of zinc

### Mounting plates



Steel mounting plates  
→ see page 3.73

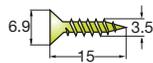


Zinc diecast mounting plates  
→ see page 3.73



Steel mounting plates with cam adjustable height  
→ see page 3.73

### Hinge cup screws If not pre-mounted



820.6308.050



10000 Pcs

### Legend of hinge cup symbols



Screw-on ready  
← screws



Machine insertion ready

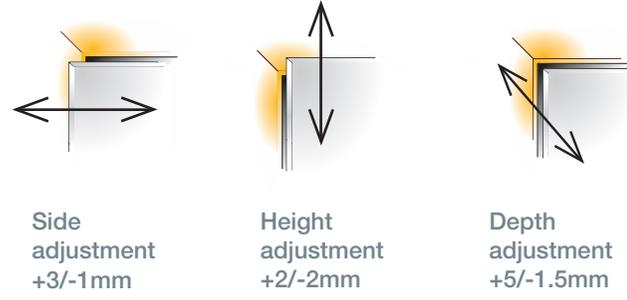


Easy-fix system



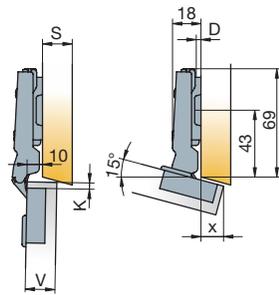
- Opening angle
- Drilling diameter for hinge cup
- Drilling depth
- Hinge on plate mounting system

110°  
35mm  
11.5mm  
ST

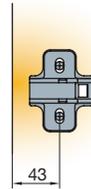


For further explanation → see pages 3.14 - 3.16

Mounting details



Mounting plate drilling distance



Mounting plate thickness table  
For further explanation → see page 3.7

x	4	5	6	10	11	12	13	14	15
3	9			3	2	1	0		
K	4	9			3	2	1	0	
5			9			3	2	1	0

Drawings show application on D=0mm thick mounting plate

Accessories



Cover caps for hinge arm  
→ see page 3.137



Push latch  
→ see page 3.139

Door clearance  
For further explanation → see page 3.7

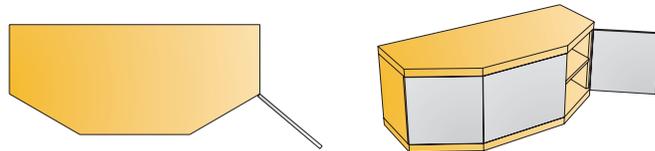
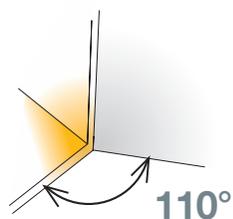


V	16	17	18	19	20	21	22
3	0.3	0.5	0.7	1.0	1.3	1.7	2.5
K	4	0.3	0.5	0.7	0.9	1.2	1.6
5	0.3	0.5	0.7	0.9	1.2	1.5	2.0

Gap Z<sub>MIN</sub>=0

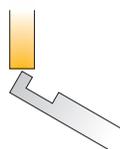
# ST 110/15°

15° angled application for wooden doors



	Interaxis 45mm	Interaxis 48mm
Cup type		
Item number		
		248.0V62.050

Cranking  
9mm



Drilling patterns for hinge cups → see page 3.10

100 Pcs

Cup made of steel, arm made of zinc

**Mounting plates**



Steel mounting plates  
→ see page 3.73

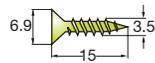


Zinc diecast mounting plates  
→ see page 3.73



Steel mounting plates with cam adjustable height  
→ see page 3.73

**Hinge cup screws**  
If not pre-mounted



820.6308.050

10000 Pcs



**Legend of hinge cup symbols**



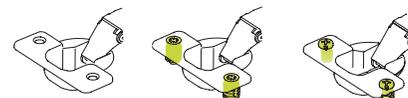
Screw-on ready  
← screws



Machine insertion ready

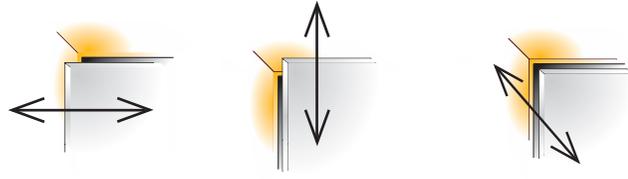


Easy-fix system



- Opening angle
- Drilling diameter for hinge cup
- Drilling depth
- Hinge on plate mounting system

110°  
35mm  
11.5mm  
ST



Side  
adjustment  
+3/-1mm

Height  
adjustment  
+2/-2mm

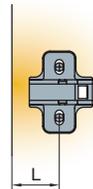
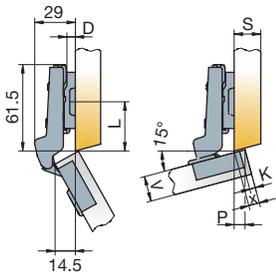
Depth  
adjustment  
+5/-1.5mm

For further explanation → see pages 3.14 - 3.16

Mounting  
details

Mounting plate  
drilling distance

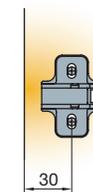
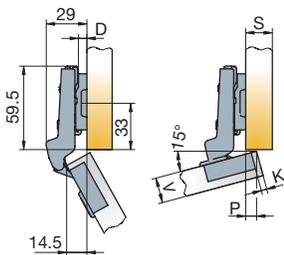
Mounting plate thickness table  
For further explanation → see page 3.7



x,P	1	2	3	7	8	9	10	11	12
3	9			3	2	1	0		
K	4	9			3	2	1	0	
5			9			3	2	1	0

Drawings show application on D=0  
and K=4mm thick mounting plate

L=37 for thickness D=0  
L=36 for thickness D=1  
L=36 for thickness D=2  
L=35 for thickness D=3  
L=33 for thickness D=9



Drawings show application on D=0 and  
K=4mm thick mounting plate

Soft closing systems



Glissando TL  
→ see page 2.11

Accessories



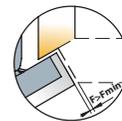
Cover caps for hinge arm  
→ see page 3.137



Push latch  
→ see page 3.139

Door clearance

For further explanation → see page 3.7

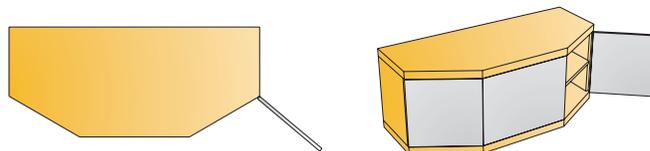
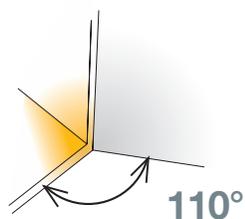


V	16	17	18	19	20	21	22
3	0.3	0.5	0.7	1.0	1.3	1.7	2.5
K	4	0.3	0.5	0.7	0.9	1.2	1.6
5	0.3	0.5	0.7	0.9	1.2	1.5	2.0

Gap Z<sub>MIN</sub>=0

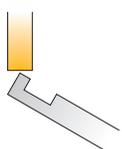
# ST 110/24°

24° angled application for wooden doors



	Interaxis 45mm	Interaxis 48mm
Cup type	Item number	Item number
	248.0V18.050	248.0V45.050
	248.0V47.050	248.0V48.050

Cranking  
9mm



Drilling patterns for hinge cups → see page 3.10

100 Pcs

Cup made of steel, arm made of zinc

### Mounting plates



Steel mounting plates  
→ see page 3.73

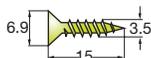


Zinc diecast mounting plates  
→ see page 3.73



Steel mounting plates with  
cam adjustable height  
→ see page 3.73

### Hinge cup screws If not pre-mounted



820.6308.050



10000 Pcs

### Legend of hinge cup symbols



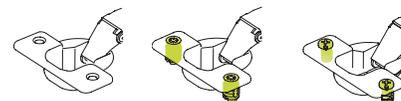
Screw-on  
ready  
← screws



Machine  
insertion  
ready

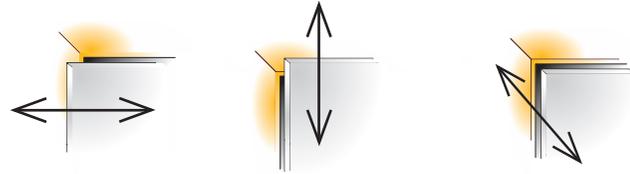


Easy-fix  
system



- Opening angle
- Drilling diameter for hinge cup
- Drilling depth
- Hinge on plate mounting system

110°  
35mm  
11.5mm  
ST



Side adjustment  
+3/-1mm

Height adjustment  
+2/-2mm

Depth adjustment  
+5/-1.5mm

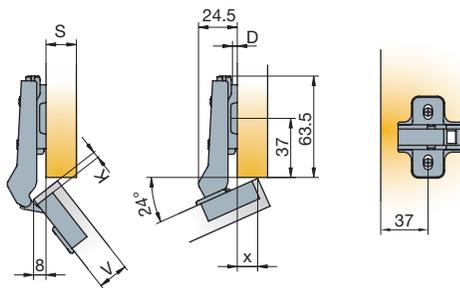
For further explanation → see pages 3.14 - 3.16

Mounting details

Mounting plate drilling distance

Mounting plate thickness table

For further explanation → see page 3.7



Drawings show application on D=0mm thick mounting plate

x	3	4	5	9	10	11	12	13	14
3	9			3	2	1	0		
K	4	9			3	2	1	0	
5			9			3	2	1	0

Soft closing systems



Glissando TL  
→ see page 2.11

Accessories



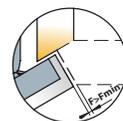
Cover caps for hinge arm  
→ see page 3.137



Push latch  
→ see page 3.139

Door clearance

For further explanation → see page 3.7

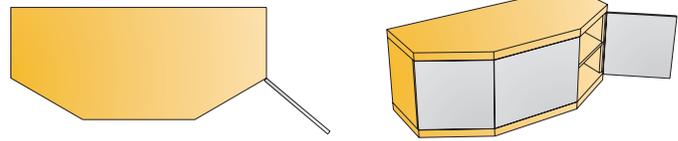
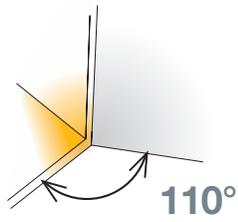


V	16	17	18	19	20	21	22
3	0.3	0.5	0.7	1.0	1.3	1.7	2.5
K	4	0.3	0.5	0.7	0.9	1.2	1.6
5	0.3	0.5	0.7	0.9	1.2	1.5	2.0

Gap Z<sub>MIN</sub>=0

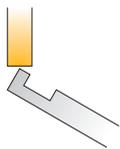
# ST 110/30°

30° angled application for wooden doors



	Interaxis 45mm	Interaxis 48mm
Cup type	Item number	Item number
	248.0675.050	248.0665.050
	248.0N12.050	248.0N13.050

Cranking  
9mm



Drilling patterns for hinge cups → see page 3.10

200 Pcs

Cup made of steel, arm made of zinc

### Mounting plates



Steel mounting plates  
→ see page 3.73

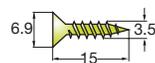


Zinc diecast mounting plates  
→ see page 3.73



Steel mounting plates with  
cam adjustable height  
→ see page 3.73

### Hinge cup screws If not pre-mounted



820.6308.050

10000 Pcs



### Legend of hinge cup symbols



Screw-on  
ready  
← screws



Machine  
insertion  
ready

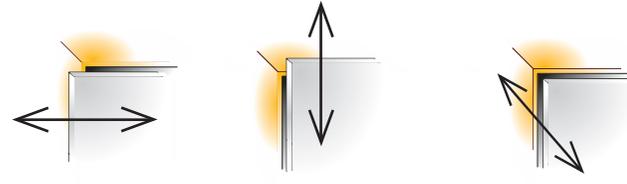


Easy-fix  
system



- Opening angle
- Drilling diameter for hinge cup
- Drilling depth
- Hinge on plate mounting system

110°  
35mm  
11.5mm  
ST



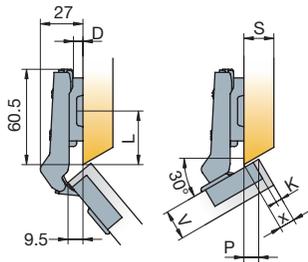
Side adjustment  
+3/-1mm

Height adjustment  
+2/-2mm

Depth adjustment  
+5/-1.5mm

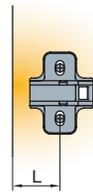
For further explanation → see pages 3.14 - 3.16

Mounting details



Drawings show application on D=3mm thick mounting plate

Mounting plate drilling distance

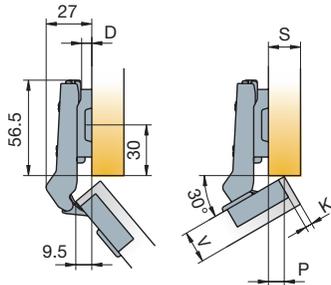


L=37 for thickness D=0  
L=36 for thickness D=1  
L=35 for thickness D=2  
L=34 for thickness D=3  
L=31 for thickness D=9

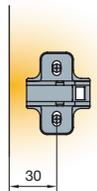
Mounting plate thickness table

For further explanation → see page 3.7

x	2	3	4	9	10	11	12	13	14	15
3	9			3	2			0		
K	4	9			3	2			0	
5			9			3	2			0



Drawings show application on D=3mm thick mounting plate



P	2.5	3.5	4.5	8.5	9.5	10.5	11.5	12.5	13.5
3	9			3	2	1	0		
K	4	9			3	2	1	0	
5			9			3	2	1	0

Soft closing systems



Glissando TL  
→ see page 2.11

Accessories



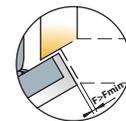
Cover caps for hinge arm  
→ see page 3.137



Push latch  
→ see page 3.139

Door clearance

For further explanation → see page 3.7

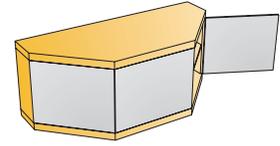
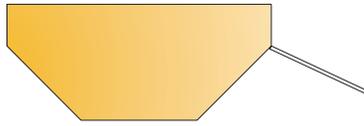
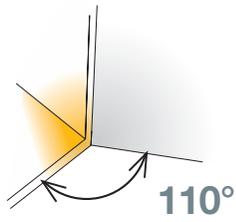


V	16	17	18	19	20	21	22
3	0.3	0.5	0.7	1.0	1.3	1.7	2.5
K	4	0.3	0.5	0.7	0.9	1.2	1.6
5		0.3	0.5	0.7	0.9	1.2	1.5

Gap Z<sub>MIN</sub>=0

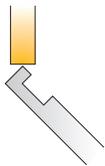
# ST 110/45°

45° angled application for wooden doors



	Interaxis 45mm	Interaxis 48mm
Cup type	Item number	Item number

Cranking  
9mm



	248.0433.050	248.0431.050
	248.0N16.050	248.0N17.050

Drilling patterns for hinge cups → see page 3.10

200 Pcs

Cup made of steel, arm made of zinc

Mounting plates



Steel mounting plates  
→ see page 3.73

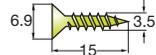


Zinc diecast mounting plates  
→ see page 3.73



Steel mounting plates with cam adjustable height  
→ see page 3.73

Hinge cup screws  
If not pre-mounted



820.6308.050

10000 Pcs



Legend of hinge cup symbols



Screw-on ready  
← screws



Machine insertion ready

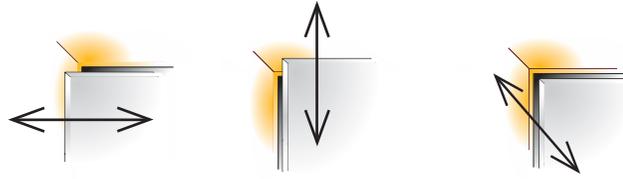


Easy-fix system



- Opening angle
- Drilling diameter for hinge cup
- Drilling depth
- Hinge on plate mounting system

110°  
35mm  
11.5mm  
ST



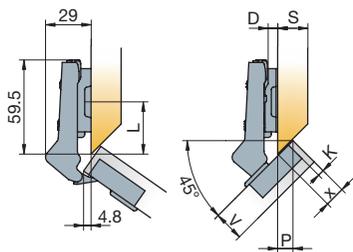
Side adjustment  
+3/-1mm

Height adjustment  
+2/-2mm

Depth adjustment  
+5/-1.5mm

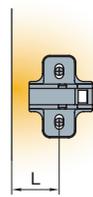
For further explanation → see pages 3.14 - 3.16

Mounting details



Drawings show application on D=3mm thick mounting plate

Mounting plate drilling distance



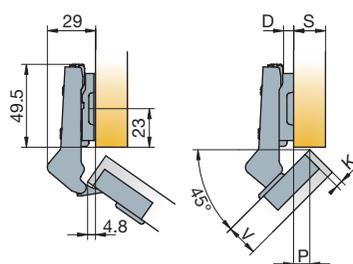
L=36 for thickness D=0  
L=35 for thickness D=1  
L=34 for thickness D=2  
L=33 for thickness D=3

Mounting plate thickness table

For further explanation → see page 3.7

x	11.5	12.5	13	13.5	14	14.5	15	15.5	16	16.5	17	18
3	3		2			1			0			
K 4		3			2			1			0	
5				3			2			1	0	D

P	9	9.5	10	10.5	11	11.5	12	12.5	13.5	
3	3		2			1		0		
K 4		3		2		1		0		
5				3		2		1	0	D



Drawings show application on D=3mm thick mounting plate

Soft closing systems



Glissando TL  
→ see page 2.11

Accessories



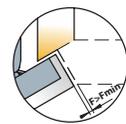
Cover caps for hinge arm  
→ see page 3.137



Push latch  
→ see page 3.139

Door clearance

For further explanation → see page 3.7

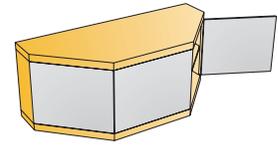
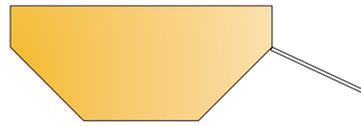
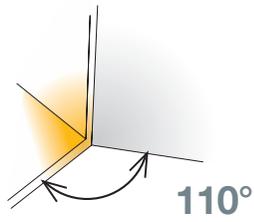


V	16	17	18	19	20	21	22	
3	0.3	0.5	0.7	1.0	1.3	1.7	2.5	
K 4	0.3	0.5	0.7	0.9	1.2	1.6	2.1	
5	0.3	0.5	0.7	0.9	1.2	1.5	2.0	F <sub>MIN</sub>

Gap Z<sub>MIN</sub>=0

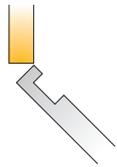
# ST 110/45°

45° angled application for wooden doors



	Interaxis 45mm	Interaxis 48mm
Cup type	Item number	Item number

Cranking  
**18mm**



	248.0285.050	248.0283.050
	248.0N20.050	248.0N21.050

Drilling patterns for hinge cups → see page 3.10

100 Pcs

Cup made of steel, arm made of zinc

### Mounting plates



Steel mounting plates  
→ see page 3.73



Zinc diecast mounting plates  
→ see page 3.73

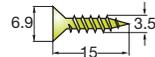


Steel mounting plates with cam adjustable height  
→ see page 3.73



Face frame adapters  
→ see page 3.75

### Hinge cup screws If not pre-mounted



820.6308.050

10000 Pcs

### Legend of hinge cup symbols



Screw-on ready  
← screws



Machine insertion ready



Easy-fix system

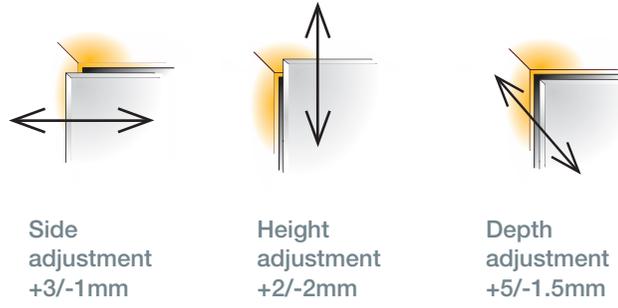


3.63

**Titus**

- Opening angle
- Drilling diameter for hinge cup
- Drilling depth
- Hinge on plate mounting system

110°  
35mm  
11.5mm  
ST

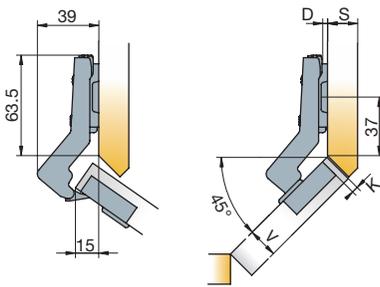


For further explanation → see pages 3.14 - 3.16

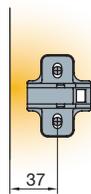
Mounting details

Mounting plate drilling distance

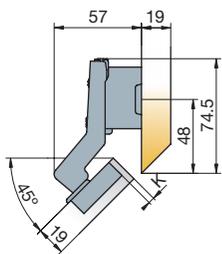
Mounting plate thickness table  
For further explanation → see page 3.7



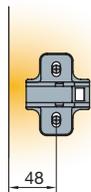
Drawings show application on D=0mm thick mounting plate



K	3	4	5
D	0	1	2



Drawings show application on D=18mm thick mounting plate



Soft closing systems

Accessories

Door clearance  
For further explanation → see page 3.7



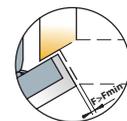
Glissando TL  
→ see page 2.11



Cover caps for hinge arm  
→ see page 3.137



Push latch  
→ see page 3.139

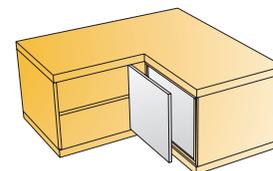
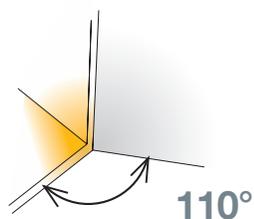


V	16	17	18	19	20	21	22	
3	0.3	0.5	0.7	1.0	1.3	1.7	2.5	
K	4	0.3	0.5	0.7	0.9	1.2	1.6	2.1
5	0.3	0.5	0.7	0.9	1.2	1.5	2.0	F <sub>MIN</sub>

Gap Z<sub>MIN</sub>=0

# ST 110/90°

For wooden door cabinets with blind panels



	Interaxis 45mm	Interaxis 48mm
Cup type	Item number	Item number
	248.0745.050	248.0742.050
	248.0N24.050	248.0N25.050
	248.0L61.050	248.0N62.050

Cranking  
**18mm**



Drilling patterns for hinge cups → see page 3.10

100 Pcs

Cup made of steel, arm made of zinc

### Mounting plates



Steel mounting plates  
→ see page 3.73



Zinc diecast mounting plates  
→ see page 3.73

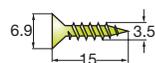


Steel mounting plates with cam adjustable height  
→ see page 3.73



Face frame adapters  
→ see page 3.75

### Hinge cup screws If not pre-mounted



820.6308.050

10000 Pcs

### Legend of hinge cup symbols



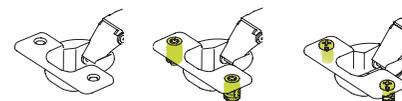
Screw-on ready  
← screws



Machine insertion ready



Easy-fix system

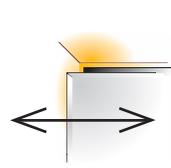


3.65

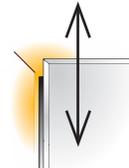
**Titus**

- Opening angle
- Drilling diameter for hinge cup
- Drilling depth
- Hinge on plate mounting system

110°  
35mm  
11.5mm  
ST



Side  
adjustment  
+3/-1mm



Height  
adjustment  
+2/-2mm

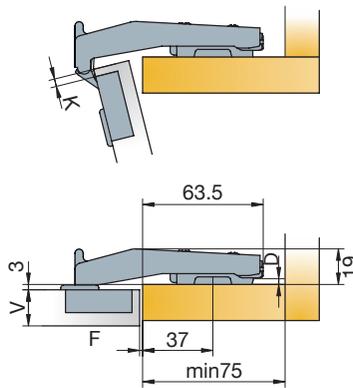


Depth  
adjustment  
+5/-1.5mm

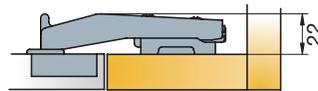
For further explanation → see pages 3.14 - 3.16

Mounting  
details

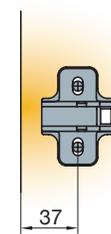
Mounting plate  
drilling distance



Drawings show  
application on D=0mm  
thick mounting plate



Drawings show  
application on D=3mm  
thick mounting plate



Soft closing systems



Glissando TL  
→ see page 2.11

Accessories



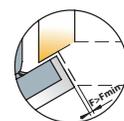
Cover caps for hinge arm  
→ see page 3.137



Push latch  
→ see page 3.139

Door clearance

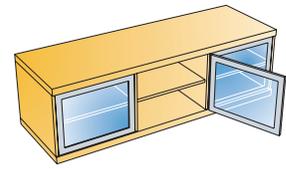
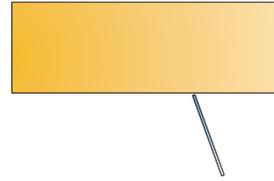
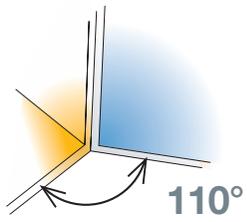
For further explanation → see page 3.7



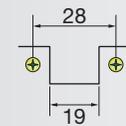
V	16	17	18	19	20	21	22	
3	0.3	0.5	0.7	1.0	1.3	1.7	2.5	
K	4	0.3	0.5	0.7	0.9	1.2	1.6	2.1
5	0.3	0.5	0.7	0.9	1.2	1.5	2.0	F <sub>MIN</sub>

# ST 110

For aluminium frame doors



Interaxis  
28mm



Cup type

Item number



950.0T27.050

Cranking  
0mm



200 Pcs

Cup made of zinc, arm made of steel

### Mounting plates



Steel mounting plates  
→ see page 3.73



Zinc diecast mounting plates  
→ see page 3.73



Steel mounting plates with cam adjustable height  
→ see page 3.73



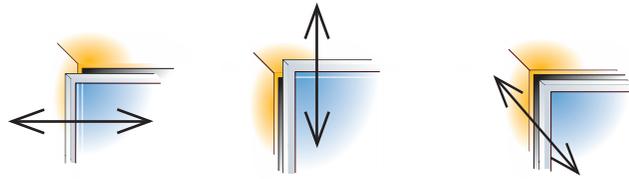
Face frame adapters  
→ see page 3.75

3.67

**Titus**

- Opening angle
- Hinge on plate mounting system

110°  
ST



Side adjustment  
+3/-1mm

Height adjustment  
+2/-2mm

Depth adjustment  
+5/-1.5mm

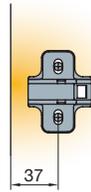
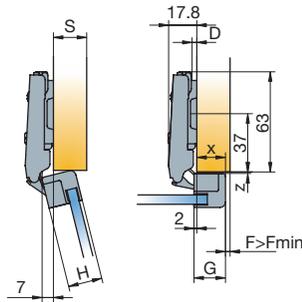
For further explanation → see pages 3.14 - 3.16

Mounting details

Mounting plate drilling distance

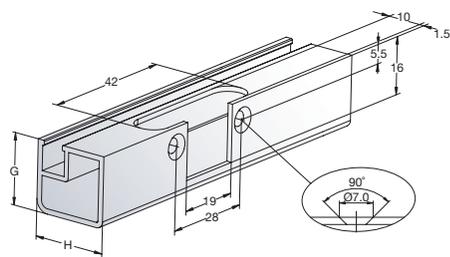
Mounting plate thickness table

For further explanation → see page 3.7

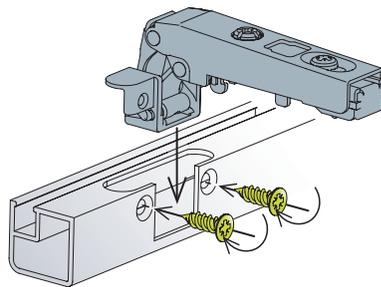


x	12	13	14	15	16	17	18
17	3	2	1	0			
18		3	2	1	0		
G	19		3	2	1	0	
20				3	2	1	0

Drawings show application on D=0mm thick mounting plate



Drilling pattern for aluminium frame hinges



Screws included

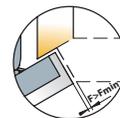
Accessories



Cover caps for hinge arm  
→ see page 3.137

Door clearance

For further explanation → see page 3.7

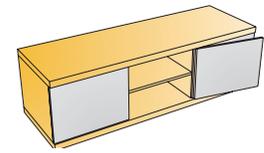
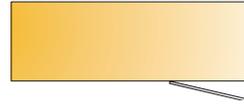
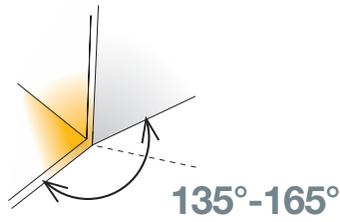


H	17	18	19	20	21	22	
17	0.5	0.7	1.1	1.4	1.8	2.9	
G	18	0.5	0.7	1.0	1.3	1.7	2.5
	19	0.5	0.7	0.9	1.2	1.6	2.1
	20	0.5	0.7	0.9	1.2	1.5	2.0

Gap Z<sub>MIN</sub>=0.5

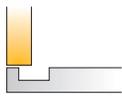
# ST 170

For wooden doors



Cup type	Interaxis 45mm	Interaxis 48mm
	Item number	Item number

Cranking  
**0mm**



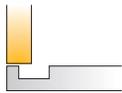
50 Pcs

Made of steel and zinc

	248.0R14.050	248.0R17.050
	248.0M73.050	248.0R13.050

Drilling patterns for hinge cups → see page 3.10

Cranking  
**0mm**  
With adjustable  
opening angle

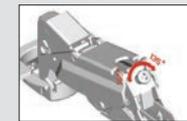


50 Pcs

Made of steel and zinc

	248.0R18.050	*248.0V65.050
		*248.0S69.050

Drilling patterns for hinge cups → see page 3.10  
\* Available upon special request → see page 0.3



Adjustable opening angle

Cranking  
**9mm**



50 Pcs

Made of steel and zinc

	248.0162.050	248.0163.050
--	--------------	--------------

Drilling patterns for hinge cups → see page 3.10

### Mounting plates



Steel mounting plates  
→ see page 3.73



Zinc diecast mounting plates  
→ see page 3.73

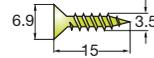


Steel mounting plates with cam adjustable height  
→ see page 3.73



Face frame adapters  
→ see page 3.75

### Hinge cup screws If not pre-mounted



820.6308.050

10000 Pcs



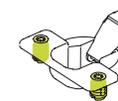
### Legend of hinge cup symbols



Screw-on ready  
← screws

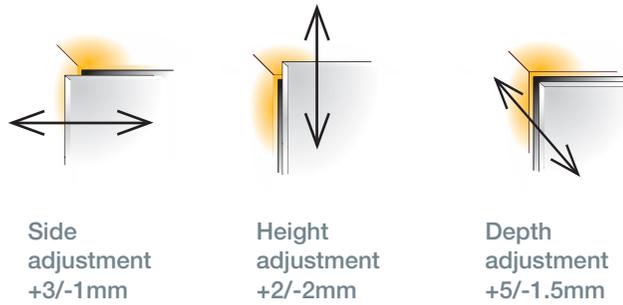


Machine insertion ready



- Opening angle 135°-165°
- Drilling diameter for hinge cup 35mm
- Drilling depth 12mm
- Hinge on plate mounting system ST

- Enables better accessibility into cabinet interior due to the wider opening angle
- Opening angle can be easily adjusted by rotating the appropriate screw on the hinge arm

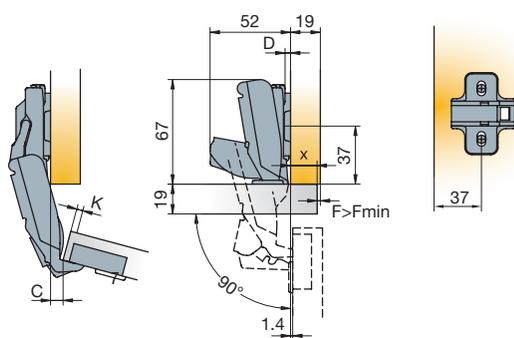


For further explanation → see pages 3.14 - 3.16

Mounting details

Mounting plate drilling distance

Mounting plate thickness table  
For further explanation → see page 3.7



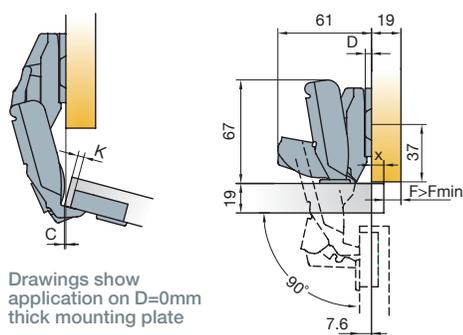
X	10	11	12	13	14	15	16	17	18	19	20
3	6	5	4	3	2	1	0				
K	4	6	5	4	3	2	1	0			
5			6	5	4	3	2	1	0		
6				6	5	4	3	2	1	0	
7					6	5	4	3	2	1	0

Drawings show application on D=0mm mounting plate

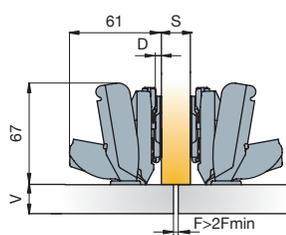
In 90° position the door is only 1.4mm distant from side panel

C value with D=0 mounting plates

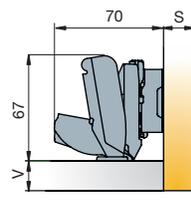
K	3	4	5	6	7
C	-9.0	-8.1	-7.1	-6.1	-5.2



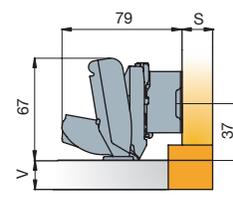
Drawings show application on D=0mm thick mounting plate



Drawings show application on D=0mm thick mounting plate



Drawings show application on D=9mm thick mounting plate



Drawings show application on D=18mm thick mounting plate.

Soft closing systems

Glissando 170  
→ see page 2.13

Glissando CR  
→ see page 2.15

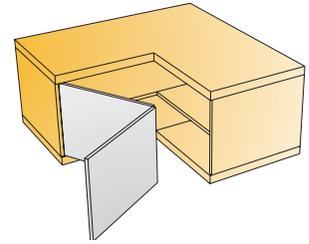
Door clearance  
For further explanation → see page 3.7

V	16	17	18	19	20	21	22	23	24
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
K	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1

Gap Z<sub>MIN</sub>=0.5

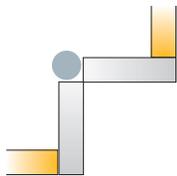
# ST for pie-cut corner cabinet

For wooden doors



	Interaxis 45mm	Interaxis 48mm
Cup type	Item number	Item number
	248.0U21.050	248.0U16.050
	248.0U22.050	248.0V15.050

Corner cabinet



Drilling patterns for hinge cups → see page 3.10

100 Pcs

Cup made of steel, arm made of zinc

### Mounting plates



Steel mounting plates  
→ see page 3.73

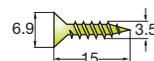


Zinc diecast mounting plates  
→ see page 3.73



Steel mounting plates with cam adjustable height  
→ see page 3.73

### Hinge cup screws If not pre-mounted



820.6308.050

10000 Pcs

### Legend of hinge cup symbols



Screw-on ready  
← screws



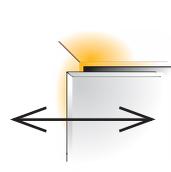
Machine insertion ready



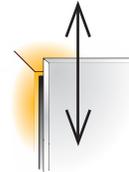
- Opening angle
- Drilling diameter for hinge cup
- Drilling depth
- Hinge on plate mounting system

110°  
35mm  
11.5mm  
ST

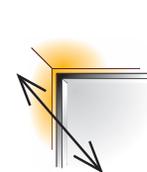
- Standard drilling for hinge and mounting plate
- Hinge integrated adjustment



Side adjustment  
+3/-1mm



Height adjustment  
+2/-2mm



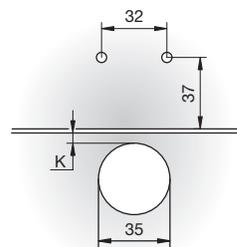
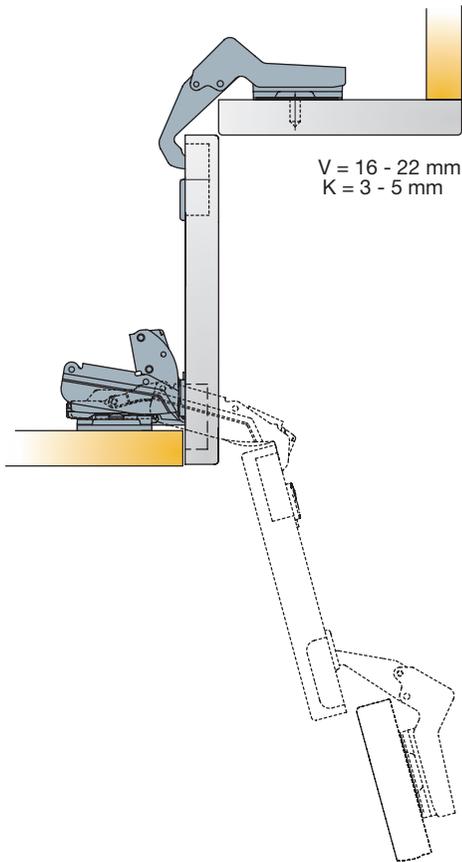
Depth adjustment  
+5/-1.5mm

For further explanation → see pages 3.14 - 3.16

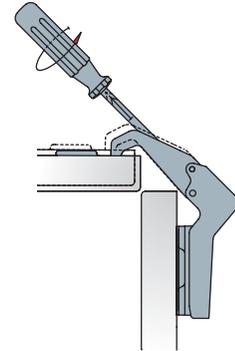
Mounting details

Drilling details

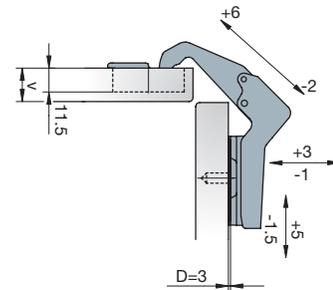
Adjustments



Any ST mounting plate of thickness D=0 can be used



The diagonal adjustment is made by rotating the appropriate screw as shown on the drawing



Accessories

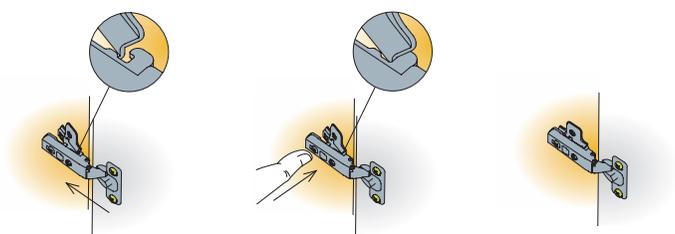


Cover caps for hinge arm  
→ see page 3.137

# ST

## Mounting plates

For ST free, ST plus and ST concealed hinges



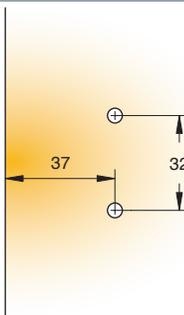
Steel mounting plates with cam adjustable height



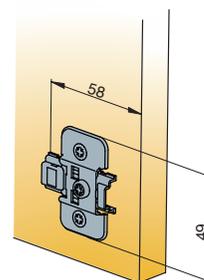
200 Pcs

Made of steel

Drilling pattern



Dimensions

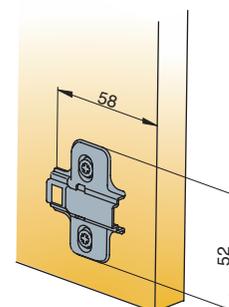
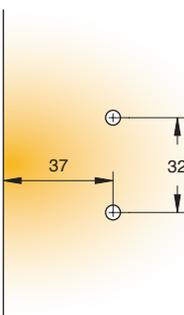


Steel mounting plates



200 Pcs

Made of steel

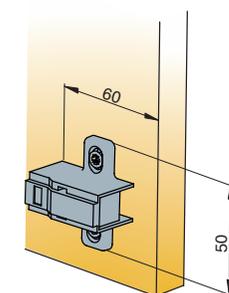
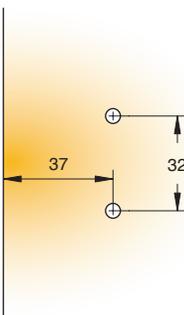


Zinc diecast mounting plates

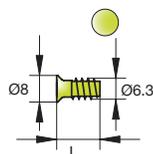


200 Pcs

Made of zinc

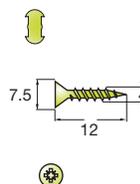


Fixing screws for mounting plates  
If not pre-mounted



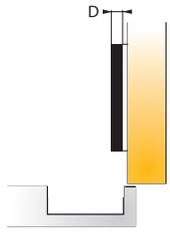
Euro screws  
821.6304.050 L=11  
821.6323.050 L=13  
821.6332.050 L=15

5000 Pcs

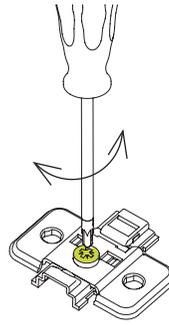


Chipboard screws  
820.6328.050

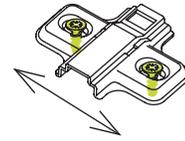
10000 Pcs



Mounting plate thickness



Cam adjustable mounting plate +/- 2mm



Height adjustment +/- 2mm

Mounting plate type								
Mounting plate thickness (D)								
Item number								
0mm	244.0R22.050			244.0P71.050	244.0S92.050	*244.0P68.050	*244.0P77.050	244.0S43.050
2mm	244.0R23.050			244.0P72.050	244.0S95.050	*244.0P69.050	*244.0P78.050	244.0S44.050
3mm	244.0R24.050			244.0P73.050	244.0S96.050	*244.0P70.050	*244.0P79.050	244.0S45.050
* Available upon special request → see page 0.3								
0mm	244.1136.050	*244.1233.050	244.0Z26.050	244.0134.050	244.0118.050	*244.0136.050	*244.0166.050	244.0P26.050
1mm	244.1137.050	*244.1228.050		244.0561.050		*244.0565.050	*244.0567.050	
2mm	244.1138.050	*244.1229.050	244.0Z63.050	244.0562.050	244.0120.050	*244.0566.050	*244.0568.050	244.0V19.050
3mm	244.1139.050	*244.1234.050		244.0135.050	244.0119.050	*244.0137.050	*244.0167.050	244.0P27.050
6mm	244.1645.050				244.0Z51.050			
* Available upon special request → see page 0.3				* Mounting plates with pre-mounted 7.5mm expanding dowels available upon special request → see page 0.3				
9mm	244.3651.650			244.0M33.650	244.0P29.650			
18mm	244.3016.650			244.0085.650	244.0095.650			
* Available upon special request → see page 0.3								

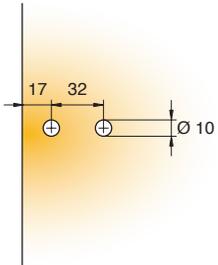
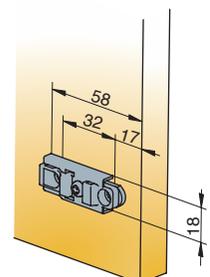
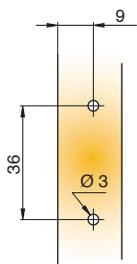
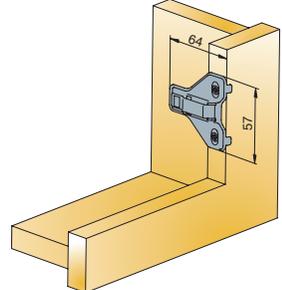
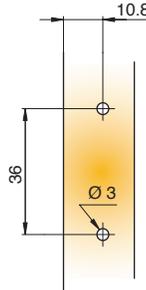
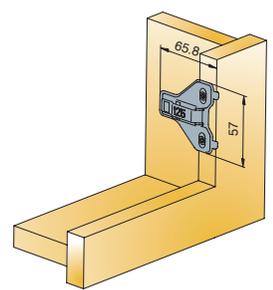
Legend of mounting plate type symbols

Screw on ready for euro screws ← screws	Screw-on ready for chipboard screws	Pre-mounted 11mm euro screws	Pre-mounted 13mm euro screws	Pre-mounted 15mm euro screws	Pre-mounted chipboard screws	Machine insertion ready	Pre-mounted 10.5mm expanding dowels

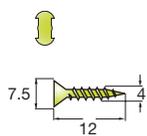
# ST

## Mounting plates and face frame adapter plates

For ST free, ST plus and ST concealed hinges

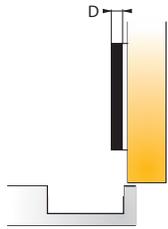
		Drilling pattern	Dimensions
<b>Horizontal mounting plate</b>			
 200 Pcs	Made of zinc		
<b>Face frame adapter for ST plus/ST 110 concealed hinges</b>			
 200 Pcs	Made of steel		
<b>Face frame adapter for ST plus 125 concealed hinges</b>			
 200 Pcs	Made of steel		

Fixing screws for mounting plates  
*If not pre-mounted*

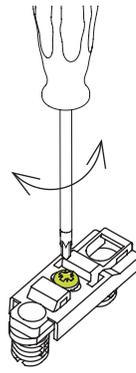


Chipboard screws  
820.6328.050

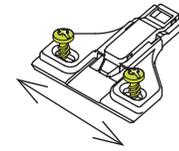
 10000 Pcs



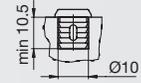
Mounting plate thickness



Height adjustment +/- 2mm



Height adjustment +/- 2mm

Mounting plate type			
Mounting plate thickness (D)			
	Item number	Item number	
2mm		<b>*244.0T92.050</b>	
<p>This mounting plate is only available with pre-mounted dowels for machine insertion and of D=2mm thickness</p> <p>* Available upon special request → see page 0.3</p>			
0mm	<b>244.1638.050</b>		
3mm	<b>244.1639.050</b>		
6mm	<b>244.1640.050</b>		
0mm	<b>244.1642.050</b>		
3mm	<b>244.1643.050</b>		
6mm	<b>244.1644.050</b>		

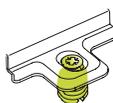
Legend of mounting plate type symbols



Screw-on ready for chipboard screws  
← screws



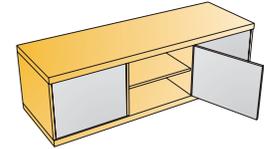
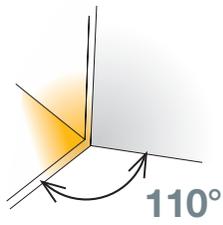
Machine insertion ready



# Basic-i2 110

## 2<sup>nd</sup> Generation

For wooden doors



- Opening angle
- Drilling diameter for hinge cup
- Drilling depth
- Hinge on plate mounting system

110°  
35mm  
min 11mm  
slide-on



Technical details

Cup type	Interaxis 45 mm	Interaxis 48 mm
	Item number	Item number
●	954.0688.050	954.0800.050
Drilling patterns for hinge cups → see page 3.10		
●	954.0689.050	954.0801.050
Drilling patterns for hinge cups → see page 3.10		
●	954.0690.050	954.0802.050
Drilling patterns for hinge cups → see page 3.10		

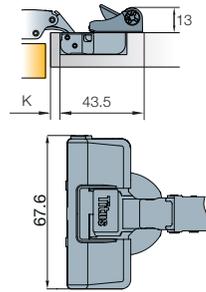
### Cranking 0mm



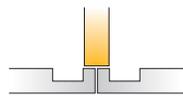
100 Pcs



Made of steel and plastic



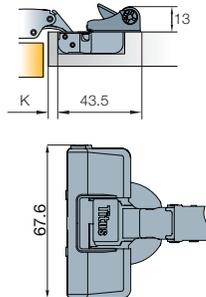
### Cranking 9mm



100 Pcs



Made of steel and plastic



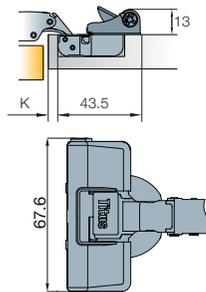
### Cranking 15mm



100 Pcs



Made of steel and plastic



### Mounting plates

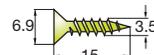


Steel mounting plates  
→ see page 3.115



Zinc diecast mounting plates  
→ see page 3.115

### Hinge cup screws If not pre-mounted



820.6308.050

10000 Pcs



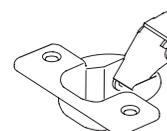
Accessories

Cover caps for hinge arm  
→ see page 3.137

### Legend of hinge cup symbols

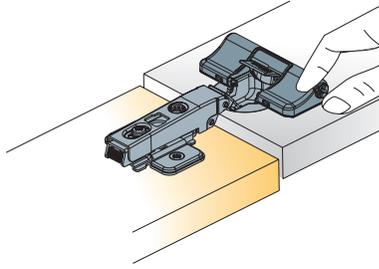


Screw-on ready  
← screws



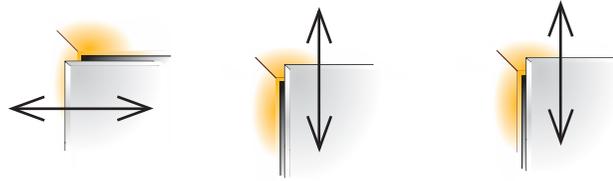
### Damping adjustment

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



For further explanation → see page 3.19

### Door adjustment



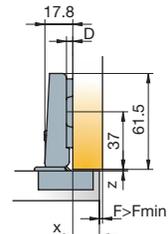
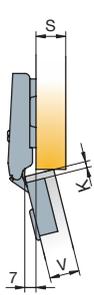
Side adjustment  
+3/-0.5mm

Height adjustment  
+2/-2mm

Depth adjustment  
+4/-0mm

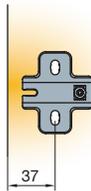
For further explanation → see pages 3.14 - 3.16

### Mounting details



Drawings show application on D=0mm thick mounting plate

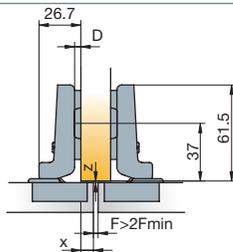
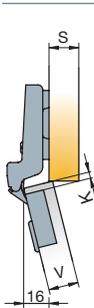
### Mounting plate drilling distance



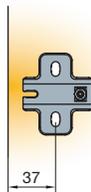
### Mounting plate thickness table

For further explanation → see page 3.7

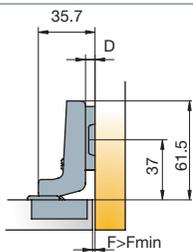
x	10	11	12	13	14	15	16	17	18
3	6	5	4	3	2	1	0		
K	4	6	5	4	3	2	1	0	
5		6	5	4	3	2	1	0	D



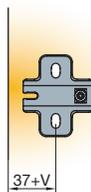
Drawings show application on D=0mm thick mounting plate



x	0	1	2	3	4	5	6	7	8	9
3		6	5	4	3	2	1	0		
K	4		6	5	4	3	2	1	0	
5	9		6	5	4	3	2	1	0	D

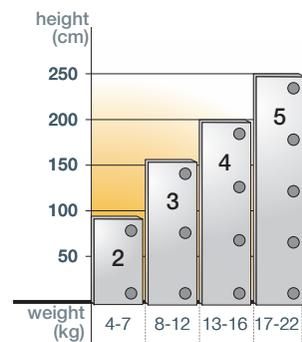


Drawings show application on D=3mm thick mounting plate



V	16	17	18	19	20	21	22
3	2	2	2	3	3	3	4
K	4	3	3	3	4	4	5
5	4	4	4	5	5	5	6

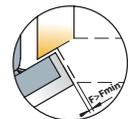
### Recommended number per door and positioning



For further explanation → see page 3.13

### Door clearance

For further explanation → see page 3.7

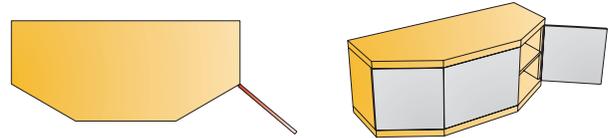
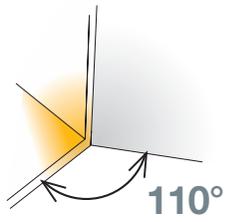


V	16	17	18	19	20	21	22
3	0.3	0.5	0.7	1.0	1.3	1.7	2.5
K	4	0.3	0.5	0.7	0.9	1.2	1.6
5	0.3	0.5	0.7	0.9	1.2	1.5	2.0

Gap Z<sub>MIN</sub>=0

# Basic-i2 110/30° 2<sup>nd</sup> Generation

30° angled application for wooden doors

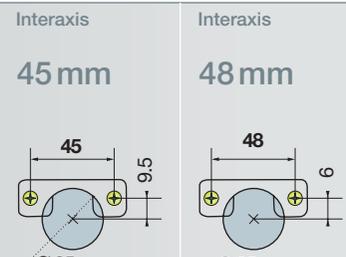


- Opening angle 110°
- Drilling diameter for hinge cup 35mm
- Drilling depth min. 11mm
- Hinge on plate mounting system slide-on



Technical details

	Interaxis 45 mm	Interaxis 48 mm
Cup type		
Item number	954.0691.650	954.0803.650



Cranking  
9mm



Drilling patterns for hinge cups → see page 3.10

100 Pcs

Cup made of steel and plastic, arm made of zinc

Mounting plates

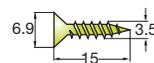


Steel mounting plates  
→ see page 3.115



Zinc diecast mounting plates  
→ see page 3.115

Hinge cup screws  
If not pre-mounted



820.6308.050

10000 Pcs



Accessories

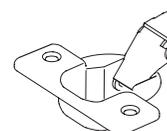


Cover caps for hinge arm  
→ see page 3.137

Legend of hinge cup symbols

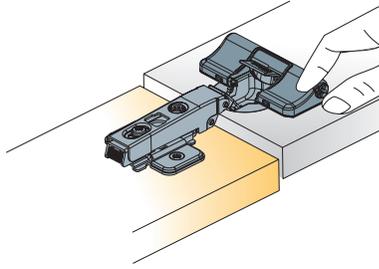


Screw-on ready  
← screws



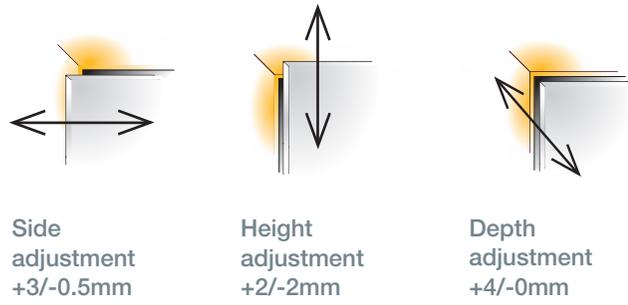
### Damping adjustment

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



For further explanation → see page 3.19

### Door adjustment



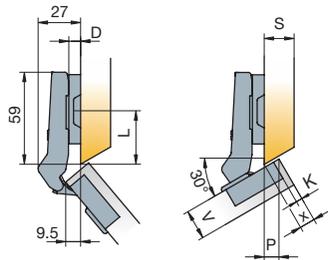
Side adjustment  
+3/-0.5mm

Height adjustment  
+2/-2mm

Depth adjustment  
+4/-0mm

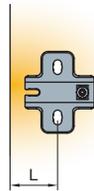
For further explanation → see pages 3.14 - 3.16

### Mounting details



Drawings show application on D=3mm thick mounting plate

### Mounting plate drilling distance

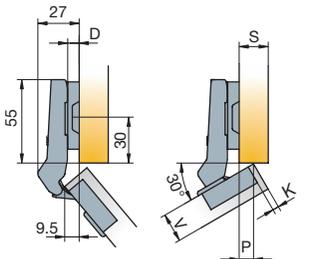


L=37 for thickness D=0  
L=36 for thickness D=1  
L=35 for thickness D=2  
L=34 for thickness D=3  
L=31 for thickness D=9

### Mounting plate thickness table

For further explanation → see page 3.7

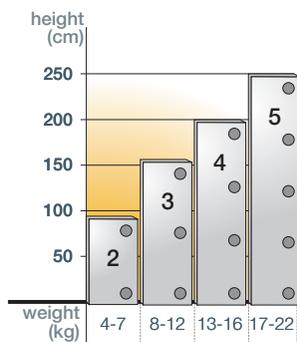
x	2	3	4	9	10	11	12	13	14	15
3	9			3	2			0		
K	4	9			3	2			0	
5			9			3	2			0



Drawings show application on D=3mm thick mounting plate

P	2.5	3.5	4.5	8.5	9.5	10.5	11.5	12.5	13.5
3	9			3	2	1	0		
K	4	9			3	2	1	0	
5			9			3	2	1	0

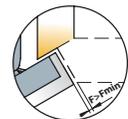
### Recommended number per door and positioning



For further explanation → see page 3.13

### Door clearance

For further explanation → see page 3.7

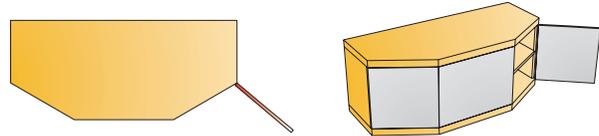
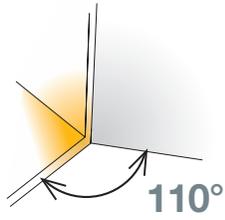


V	16	17	18	19	20	21	22
3	0.3	0.5	0.7	1.0	1.3	1.7	2.5
K	4	0.3	0.5	0.7	0.9	1.2	1.6
5	0.3	0.5	0.7	0.9	1.2	1.5	2.0

Gap Z<sub>MIN</sub>=0

# Basic-i2 110/45° 2<sup>nd</sup> Generation

45° angled application for wooden doors



- Opening angle 110°
- Drilling diameter for hinge cup 35mm
- Drilling depth min. 11mm
- Hinge on plate mounting system slide-on

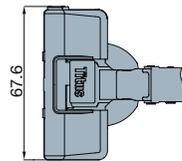
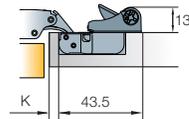
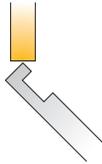


Technical details

	Interaxis 45 mm	Interaxis 48 mm
Cup type		
Item number	954.0692.650	954.0804.650

Drilling patterns for hinge cups → see page 3.10

Cranking  
9mm



100 Pcs

Cup made of steel and plastic, arm made of zinc

Mounting plates

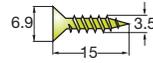


Steel mounting plates  
→ see page 3.115



Zinc diecast mounting plates  
→ see page 3.115

Hinge cup screws  
If not pre-mounted



820.6308.050

10000 Pcs



Accessories

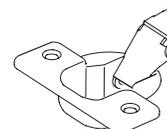


Cover caps for hinge arm  
→ see page 3.137

Legend of hinge cup symbols

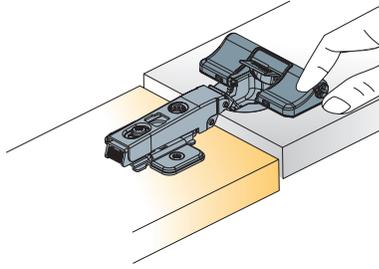


Screw-on ready  
← screws



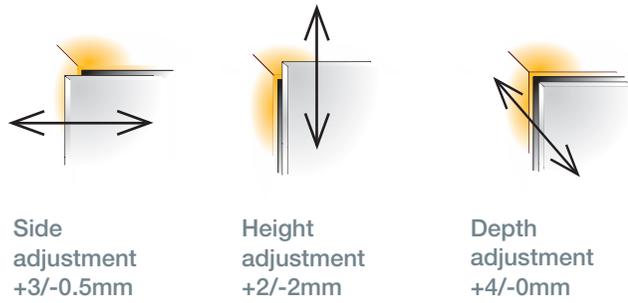
### Damping adjustment

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



For further explanation → see page 3.19

### Door adjustment



Side adjustment  
+3/-0.5mm

Height adjustment  
+2/-2mm

Depth adjustment  
+4/-0mm

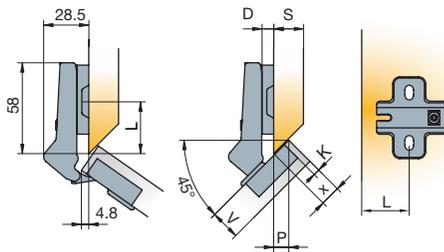
For further explanation → see pages 3.14 - 3.16

### Mounting details

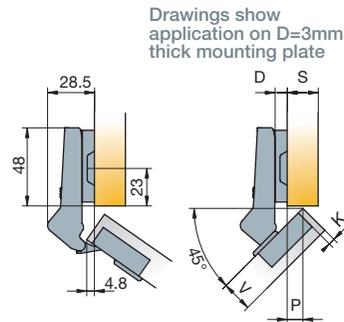
### Mounting plate drilling distance

### Mounting plate thickness table

For further explanation → see page 3.7



L=36 for thickness D=0  
L=35 for thickness D=1  
L=34 for thickness D=2  
L=33 for thickness D=3



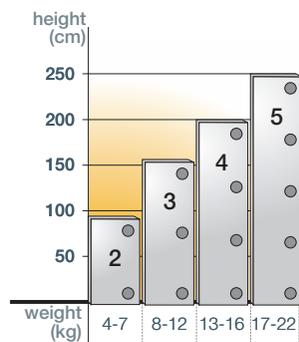
Drawings show application on D=3mm thick mounting plate

Drawings show application on D=3mm thick mounting plate

x	11.5	12.5	13	13.5	14	14.5	15	15.5	16	16.5	17	18
3	3		2		1				0			
K	4	3			2		1				0	
5				3			2		1		0	D

P	9	9.5	10	10.5	11	11.5	12	12.5	13.5	
3	3		2		1		0			
K	4	3		2		1		0		
5				3		2		1	0	D

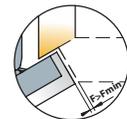
### Recommended number per door and positioning



For further explanation → see page 3.13

### Door clearance

For further explanation → see page 3.7

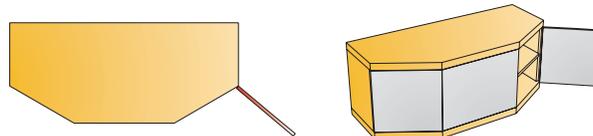
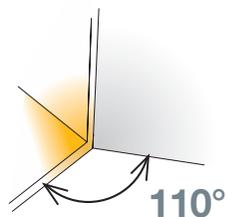


V	16	17	18	19	20	21	22	
3	0.3	0.5	0.7	1.0	1.3	1.7	2.5	
K	4	0.3	0.5	0.7	0.9	1.2	1.6	2.1
5	0.3	0.5	0.7	0.9	1.2	1.5	2.0	F <sub>MIN</sub>

Gap Z<sub>MIN</sub>=0

# Basic-i2 110/45° 2<sup>nd</sup> Generation

45° angled application for wooden doors



- Opening angle 110°
- Drilling diameter for hinge cup 35mm
- Drilling depth min. 11mm
- Hinge on plate mounting system slide-on

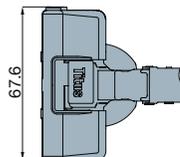
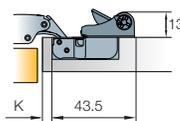
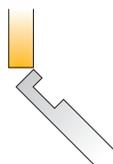


Technical details

	Interaxis 45 mm	Interaxis 48 mm
Cup type		
Item number	954.0693.650	954.0805.650

Drilling patterns for hinge cups → see page 3.10

Cranking  
18mm



100 Pcs

Cup made of steel and plastic, arm made of zinc

Mounting plates

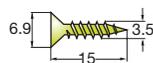


Steel mounting plates  
→ see page 3.115



Zinc diecast mounting plates  
→ see page 3.115

Hinge cup screws  
If not pre-mounted



820.6308.050  
 10000 Pcs



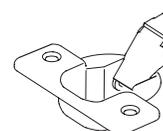
Accessories



Cover caps for hinge arm  
→ see page 3.137

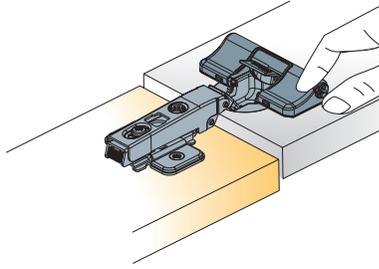
Legend of hinge cup symbols

Screw-on ready  
← screws



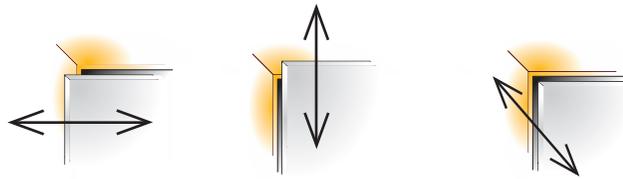
### Damping adjustment

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



For further explanation → see page 3.19

### Door adjustment



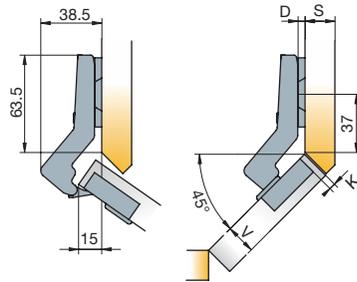
Side adjustment  
+3/-0.5mm

Height adjustment  
+2/-2mm

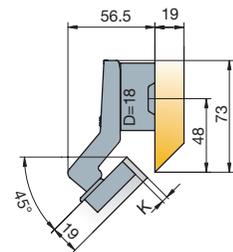
Depth adjustment  
+4/-0mm

For further explanation → see pages 3.14 - 3.16

### Mounting details

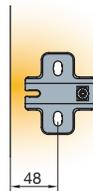
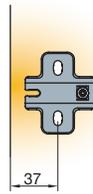


Drawings show application on D=0mm thick mounting plate



Drawings show application on D=18mm thick mounting plate

### Mounting plate drilling distance

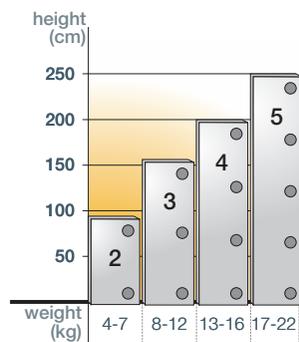


### Mounting plate thickness table

For further explanation → see page 3.7

	3	0
K	4	1
	5	2 D

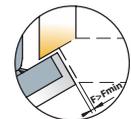
### Recommended number per door and positioning



For further explanation → see page 3.13

### Door clearance

For further explanation → see page 3.7

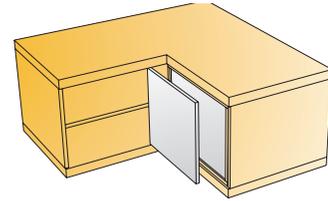
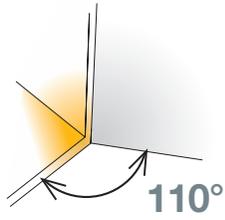


V	16	17	18	19	20	21	22	
3	0.3	0.5	0.7	1.0	1.3	1.7	2.5	
K	4	0.3	0.5	0.7	0.9	1.2	1.6	2.1
5	0.3	0.5	0.7	0.9	1.2	1.5	2.0	F <sub>MIN</sub>

Gap Z<sub>MIN</sub>=0

# Basic-i2 110/90° 2<sup>nd</sup> Generation

For wooden door cabinets with blind panels



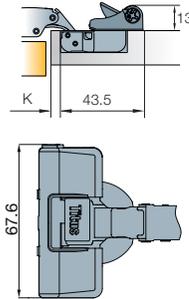
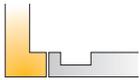
- Opening angle 110°
- Drilling diameter for hinge cup 35mm
- Drilling depth min. 11mm
- Hinge on plate mounting system slide-on



Technical details

Cup or mounting plate type	Interaxis 45 mm	Interaxis 48 mm
	Item number	Item number

Cranking  
**18mm**



	954.0694.650	954.0806.650
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Drilling patterns for hinge cups → see page 3.10

100 Pcs

Cup made of steel and plastic, arm made of zinc

Blind panel  
mounting  
plate



	244.0810.650	
	15	244.0P28.650

This mounting plate can be used only with Basic-i 110/90° hinges.  
Information about mounting plate symbols → see page 3.116

200 Pcs

Made of zinc

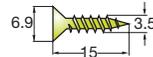
Mounting plates

Hinge cup screws  
If not pre-mounted

Legend of hinge cup symbols



These hinges can only be used with blind panel mounting plates



820.6308.050

10000 Pcs



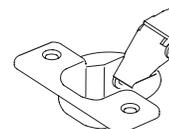
Accessories



Cover caps for hinge arm  
→ see page 3.137

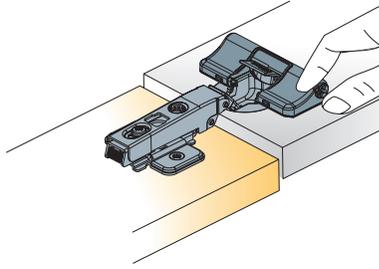


Screw-on ready  
← screws



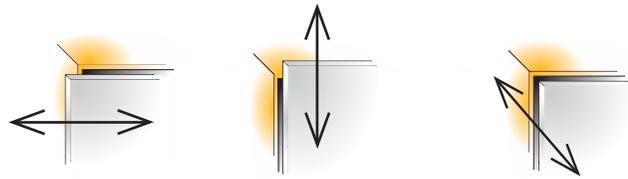
### Damping adjustment

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



For further explanation → see page 3.19

### Door adjustment



Side adjustment  
+3/-0.5mm

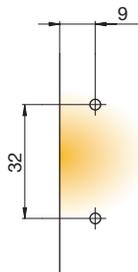
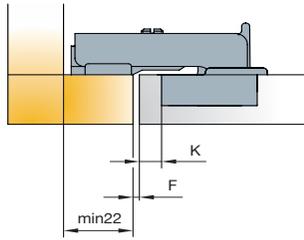
Height adjustment  
+2/-2mm

Depth adjustment  
+4/-0mm

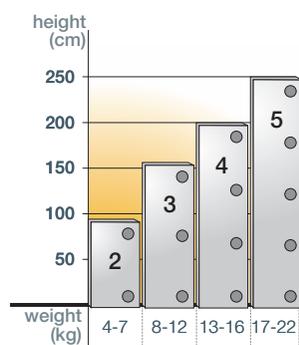
For further explanation → see pages 3.14 - 3.16

### Mounting details

### Mounting plate drilling distance



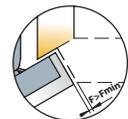
### Recommended number per door and positioning



For further explanation → see page 3.13

### Door clearance

For further explanation → see page 3.7

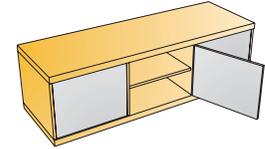
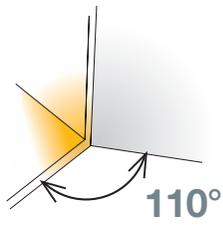


V	16	17	18	19	20	21	22
3	0.3	0.5	0.7	1.0	1.3	1.7	2.5
4	0.3	0.5	0.7	0.9	1.2	1.6	2.1
5	0.3	0.5	0.7	0.9	1.2	1.5	2 F <sub>MIN</sub>

Gap Z=0

# Basic-i 110

For wooden doors



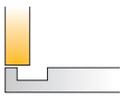
- Opening angle 110°
- Drilling diameter for hinge cup 35mm
- Drilling depth min 11mm
- Hinge on plate mounting system slide-on



Technical details

Cup type	Interaxis 45 mm	Interaxis 48 mm
	Item number	Item number

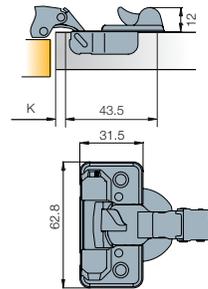
## Cranking 0mm



200 Pcs



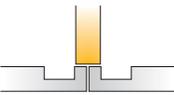
Made of steel and plastic



	954.0B97.050	954.0C01.050
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Drilling patterns for hinge cups → see page 3.10

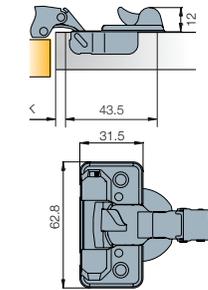
## Cranking 9mm



200 Pcs



Made of steel and plastic



	954.0B98.050	954.0C02.050
--	--------------	--------------

Drilling patterns for hinge cups → see page 3.10

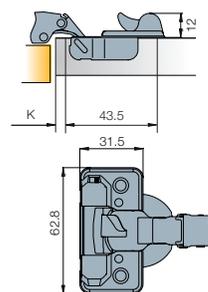
## Cranking 15mm



200 Pcs



Made of steel and plastic



	954.0B99.050	954.0C03.050
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Drilling patterns for hinge cups → see page 3.10

### Mounting plates

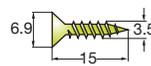


Steel mounting plates  
→ see page 3.115



Zinc diecast mounting plates  
→ see page 3.115

### Hinge cup screws If not pre-mounted



820.6308.050

10000 Pcs



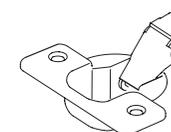
### Accessories



Cover caps for hinge arm  
→ see page 3.137

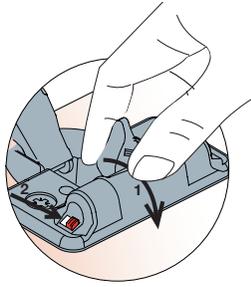
### Legend of hinge cup symbols

Screw-on ready  
← screws



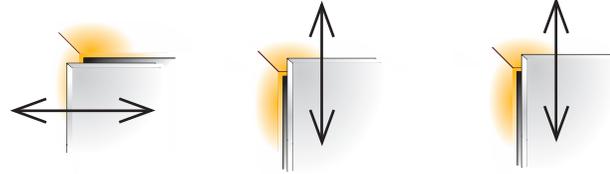
### Damping adjustment

To increase or decrease the damping, change the position of the damping reduction switch.



For further explanation → see page 3.19

### Door adjustment



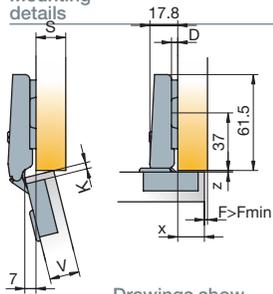
Side adjustment  
+3/-0.5mm

Height adjustment  
+2/-2mm

Depth adjustment  
+4/-0mm

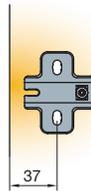
For further explanation → see pages 3.14 - 3.16

### Mounting details



Drawings show application on D=0mm thick mounting plate

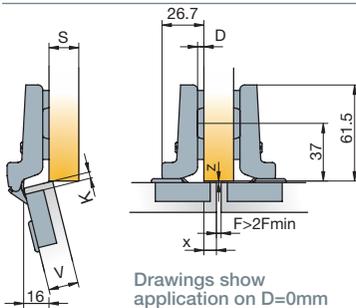
### Mounting plate drilling distance



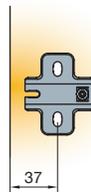
### Mounting plate thickness table

For further explanation → see page 3.7

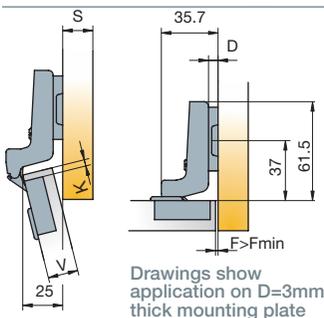
x	10	11	12	13	14	15	16	17	18
3	6	5	4	3	2	1	0		
K	4	6	5	4	3	2	1	0	
5		6	5	4	3	2	1	0	D



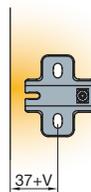
Drawings show application on D=0mm thick mounting plate



x	0	1	2	3	4	5	6	7	8	9
3		6	5	4	3	2	1	0		
K		4	6	5	4	3	2	1	0	
5	9		6	5	4	3	2	1	0	D

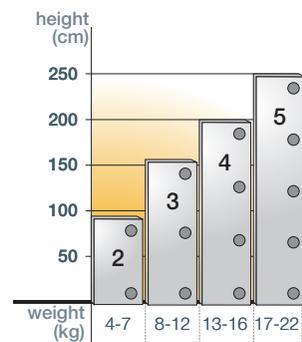


Drawings show application on D=3mm thick mounting plate



V	16	17	18	19	20	21	22
3	2	2	2	3	3	3	4
K	4	3	3	3	4	4	5
5	4	4	4	5	5	5	6

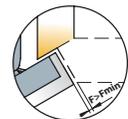
### Recommended number per door and positioning



For further explanation → see page 3.13

### Door clearance

For further explanation → see page 3.7

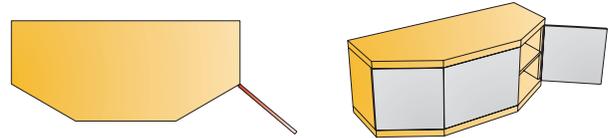
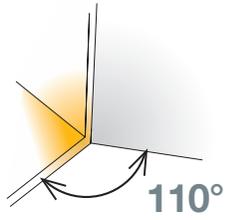


V	16	17	18	19	20	21	22
3	0.3	0.5	0.7	1.0	1.3	1.7	2.5
K	4	0.3	0.5	0.7	0.9	1.2	1.6
5	0.3	0.5	0.7	0.9	1.2	1.5	2.0

Gap Z<sub>MIN</sub>=0

# Basic-i 110/30°

30° angled application for wooden doors



- Opening angle 110°
- Drilling diameter for hinge cup 35mm
- Drilling depth min. 11mm
- Hinge on plate mounting system slide-on



Technical details

	Interaxis 45 mm	Interaxis 48 mm
Cup type		
Item number	954.0153.650	954.0147.650

Cranking  
9mm



Drilling patterns for hinge cups → see page 3.10

200 Pcs

Cup made of steel and plastic, arm made of zinc

Mounting plates

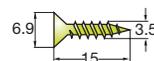


Steel mounting plates  
→ see page 3.115



Zinc diecast mounting plates  
→ see page 3.115

Hinge cup screws  
If not pre-mounted



820.6308.050

10000 Pcs



Accessories

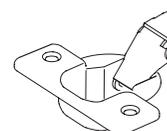


Cover caps for hinge arm  
→ see page 3.137

Legend of hinge cup symbols

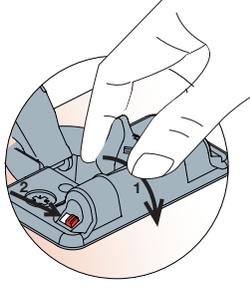


Screw-on ready  
← screws



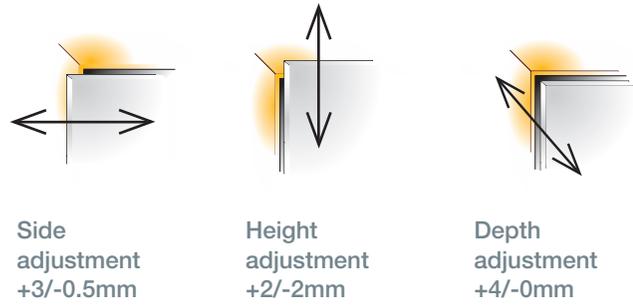
### Damping adjustment

To increase or decrease the damping, change the position of the damping reduction switch.



For further explanation → see page 3.19

### Door adjustment



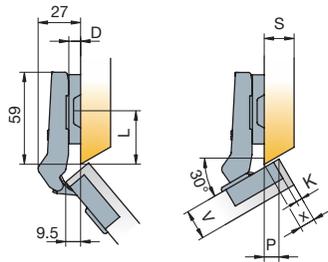
Side adjustment  
+3/-0.5mm

Height adjustment  
+2/-2mm

Depth adjustment  
+4/-0mm

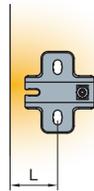
For further explanation → see pages 3.14 - 3.16

### Mounting details



Drawings show application on D=3mm thick mounting plate

### Mounting plate drilling distance

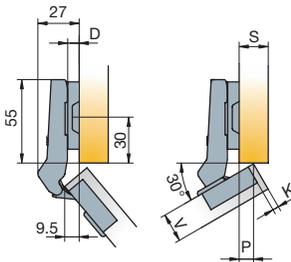


L=37 for thickness D=0  
L=36 for thickness D=1  
L=35 for thickness D=2  
L=34 for thickness D=3  
L=31 for thickness D=9

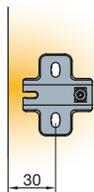
### Mounting plate thickness table

For further explanation → see page 3.7

x	2	3	4	9	10	11	12	13	14	15
3	9			3	2			0		
K 4		9			3	2			0	
5			9			3	2			0 D

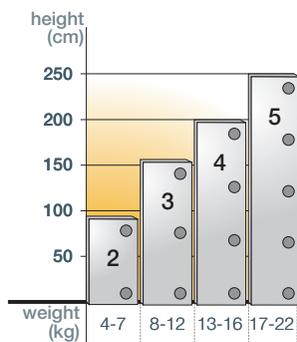


Drawings show application on D=3mm thick mounting plate



P	2.5	3.5	4.5	8.5	9.5	10.5	11.5	12.5	13.5
3	9			3	2	1	0		
K 4		9			3	2	1	0	
5			9			3	2	1	0 D

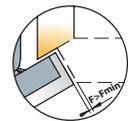
### Recommended number per door and positioning



For further explanation → see page 3.13

### Door clearance

For further explanation → see page 3.7

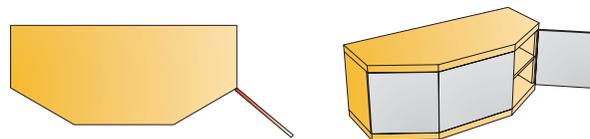
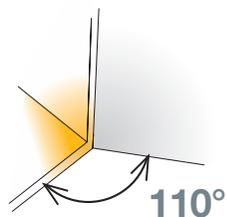


V	16	17	18	19	20	21	22
3	0.3	0.5	0.7	1.0	1.3	1.7	2.5
K 4	0.3	0.5	0.7	0.9	1.2	1.6	2.1
5	0.3	0.5	0.7	0.9	1.2	1.5	2.0 F <sub>MIN</sub>

Gap Z<sub>MIN</sub>=0

# Basic-i 110/45°

45° angled application for wooden doors



- Opening angle 110°
- Drilling diameter for hinge cup 35mm
- Drilling depth min. 11mm
- Hinge on plate mounting system slide-on

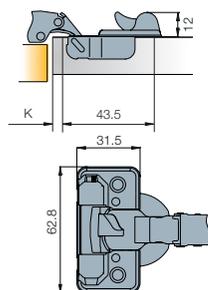
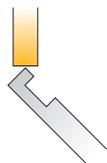


Technical details

	Interaxis 45 mm	Interaxis 48 mm
Cup type		
Item number	954.0154.650	954.0148.650

Drilling patterns for hinge cups → see page 3.10

Cranking  
9mm



200 Pcs

Cup made of steel and plastic, arm made of zinc

### Mounting plates

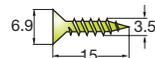


Steel mounting plates  
→ see page 3.115



Zinc diecast mounting plates  
→ see page 3.115

### Hinge cup screws If not pre-mounted



820.6308.050

10000 Pcs



### Accessories

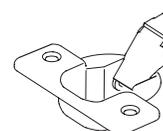


Cover caps for hinge arm  
→ see page 3.137

### Legend of hinge cup symbols

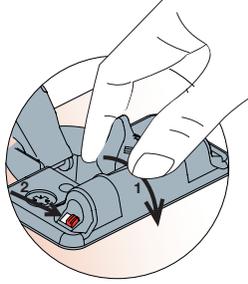


Screw-on ready  
← screws



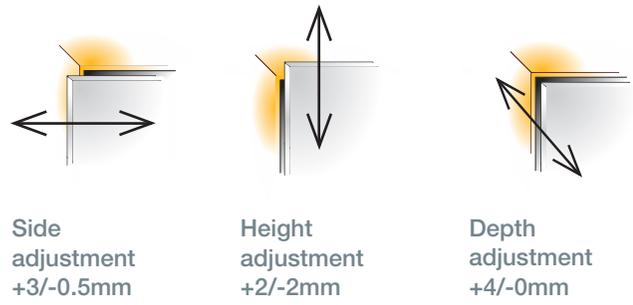
### Damping adjustment

To increase or decrease the damping, change the position of the damping reduction switch.



For further explanation → see page 3.19

### Door adjustment



Side adjustment  
+3/-0.5mm

Height adjustment  
+2/-2mm

Depth adjustment  
+4/-0mm

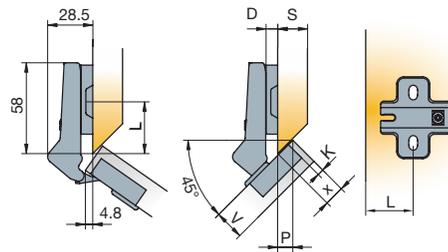
For further explanation → see pages 3.14 - 3.16

### Mounting details

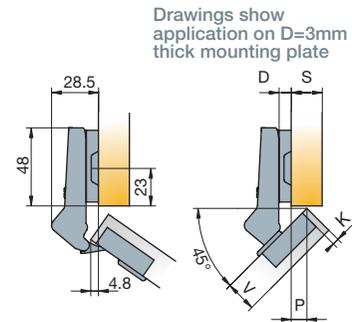
### Mounting plate drilling distance

### Mounting plate thickness table

For further explanation → see page 3.7



L=36 for thickness D=0  
L=35 for thickness D=1  
L=34 for thickness D=2  
L=33 for thickness D=3



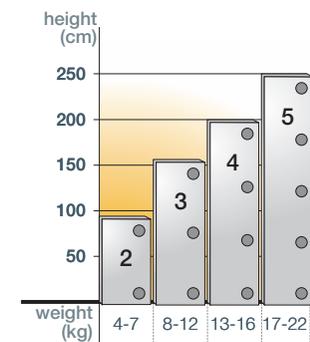
Drawings show application on D=3mm thick mounting plate

Drawings show application on D=3mm thick mounting plate

x	11.5	12.5	13	13.5	14	14.5	15	15.5	16	16.5	17	18
3	3		2		1			0				
K 4		3			2		1				0	
5				3			2		1		0	D

P	9	9.5	10	10.5	11	11.5	12	12.5	13.5	
3	3		2		1		0			
K 4		3		2		1		0		
5				3		2		1	0	D

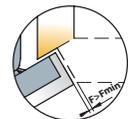
### Recommended number per door and positioning



For further explanation → see page 3.13

### Door clearance

For further explanation → see page 3.7

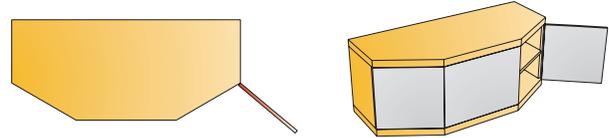
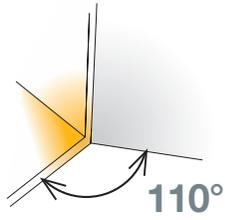


V	16	17	18	19	20	21	22
3	0.3	0.5	0.7	1.0	1.3	1.7	2.5
K 4	0.3	0.5	0.7	0.9	1.2	1.6	2.1
5	0.3	0.5	0.7	0.9	1.2	1.5	2.0

Gap Z<sub>MIN</sub>=0

# Basic-i 110/45°

45° angled application for wooden doors



- Opening angle 110°
- Drilling diameter for hinge cup 35mm
- Drilling depth min. 11mm
- Hinge on plate mounting system slide-on

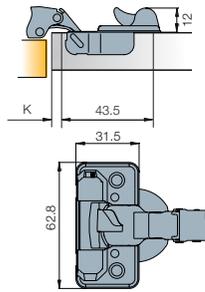


Technical details

	Interaxis 45 mm	Interaxis 48 mm
Cup type		
Item number	954.0158.650	954.0168.650

Drilling patterns for hinge cups → see page 3.10

Cranking  
18mm



100 Pcs

Cup made of steel and plastic, arm made of zinc

Mounting plates

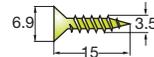


Steel mounting plates  
→ see page 3.115



Zinc diecast mounting plates  
→ see page 3.115

Hinge cup screws  
If not pre-mounted



820.6308.050

10000 Pcs



Accessories

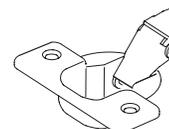


Cover caps for hinge arm  
→ see page 3.137

Legend of hinge cup symbols

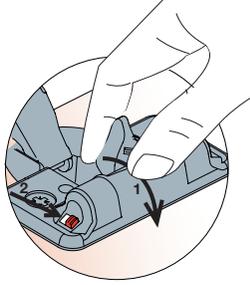


Screw-on ready  
← screws



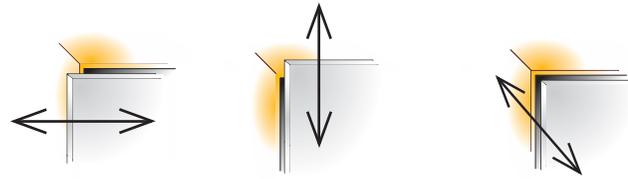
### Damping adjustment

To increase or decrease the damping, change the position of the damping reduction switch.



For further explanation → see page 3.19

### Door adjustment



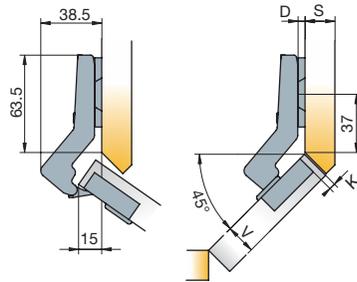
Side adjustment  
+3/-0.5mm

Height adjustment  
+2/-2mm

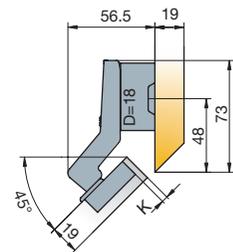
Depth adjustment  
+4/-0mm

For further explanation → see pages 3.14 - 3.16

### Mounting details

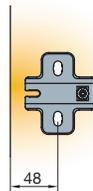
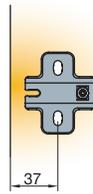


Drawings show application on D=0mm thick mounting plate



Drawings show application on D=18mm thick mounting plate

### Mounting plate drilling distance

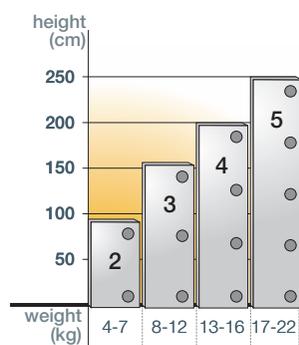


### Mounting plate thickness table

For further explanation → see page 3.7

	3	0
<b>K</b>	4	1
	5	2 D

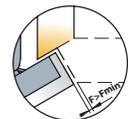
### Recommended number per door and positioning



For further explanation → see page 3.13

### Door clearance

For further explanation → see page 3.7

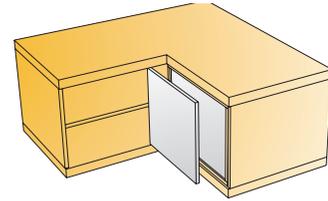
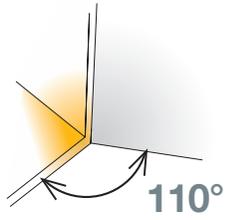


V	16	17	18	19	20	21	22	
<b>3</b>	0.3	0.5	0.7	1.0	1.3	1.7	2.5	
<b>K</b>	4	0.3	0.5	0.7	0.9	1.2	1.6	2.1
<b>5</b>	0.3	0.5	0.7	0.9	1.2	1.5	2.0	<b>F<sub>MIN</sub></b>

Gap Z<sub>MIN</sub>=0

# Basic-i 110/90°

For wooden door cabinets with blind panels



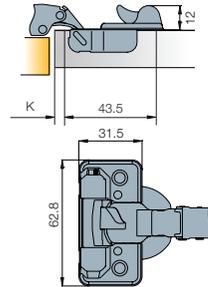
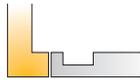
- Opening angle 110°
- Drilling diameter for hinge cup 35mm
- Drilling depth min. 11mm
- Hinge on plate mounting system slide-on



Technical details

Cup or mounting plate type	Interaxis 45 mm	Interaxis 48 mm
	Item number	Item number

Cranking  
**18mm**



	954.0159.650	954.0149.650
--	--------------	--------------

Drilling patterns for hinge cups → see page 3.10

200 Pcs

Cup made of steel and plastic, arm made of zinc

Blind panel  
mounting  
plate



	244.0810.650	
	15 244.0P28.650	

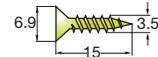
This mounting plate can be used only with Basic-i 110/90° hinges.  
Information about mounting plate symbols → see page 3.116

500 Pcs

Made of zinc

Mounting plates

Hinge cup screws  
If not pre-mounted



820.6308.050

10000 Pcs



Accessories

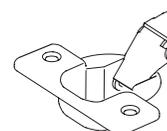


Cover caps for hinge arm  
→ see page 3.137

Legend of hinge cup symbols



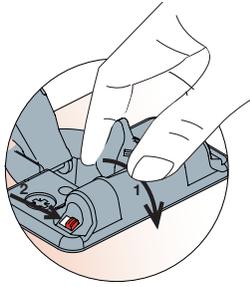
Screw-on ready  
← screws



These hinges can only be used with blind panel mounting plates

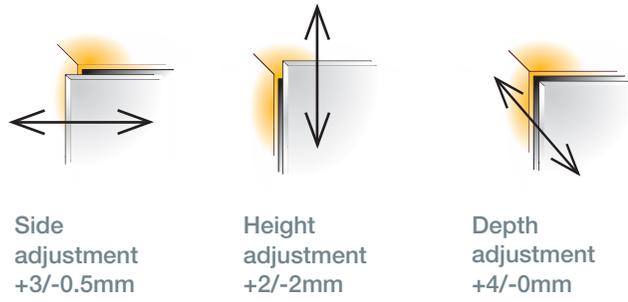
### Damping adjustment

To increase or decrease the damping, change the position of the damping reduction switch.



For further explanation → see page 3.19

### Door adjustment



Side adjustment  
+3/-0.5mm

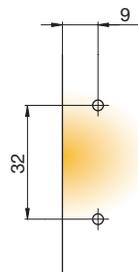
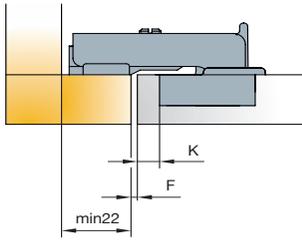
Height adjustment  
+2/-2mm

Depth adjustment  
+4/-0mm

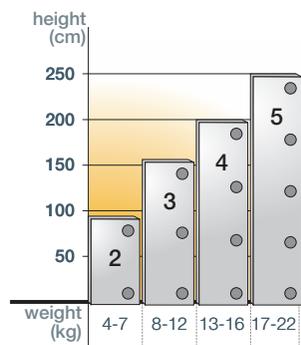
For further explanation → see pages 3.14 - 3.16

### Mounting details

### Mounting plate drilling distance



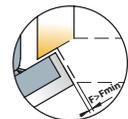
### Recommended number per door and positioning



For further explanation → see page 3.13

### Door clearance

For further explanation → see page 3.7

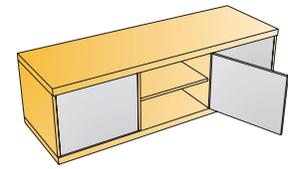
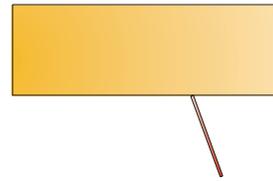
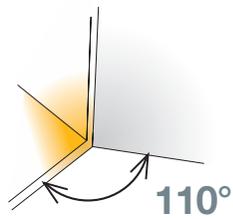


V	16	17	18	19	20	21	22	
3	0.3	0.5	0.7	1.0	1.3	1.7	2.5	
K	4	0.3	0.5	0.7	0.9	1.2	1.6	2.1
5	0.3	0.5	0.7	0.9	1.2	1.5	2 F <sub>MIN</sub>	

Gap Z=0

# Basic 110

For wooden doors



	Interaxis 45 mm	Interaxis 48 mm
Cup type	Item number	Item number

Cranking  
0mm



200 Pcs

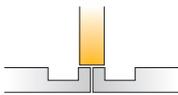


Made of steel

	248.0G54.050	248.0G49.050
	248.0G79.050	248.0K40.050

Drilling patterns for hinge cups → see page 3.10

Cranking  
9mm



200 Pcs



Made of steel

	248.0G55.050	248.0G50.050
	248.0G80.050	248.0K76.050

Drilling patterns for hinge cups → see page 3.10

Cranking  
15mm



200 Pcs



Made of steel

	248.0G56.050	248.0G51.050
	248.0G81.050	248.0L04.050

Drilling patterns for hinge cups → see page 3.10

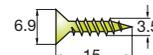
Mounting plates



Steel mounting plates  
→ see page 3.115

Zinc diecast mounting plates  
→ see page 3.115

Hinge cup screws  
If not pre-mounted



820.6308.050

10000 Pcs

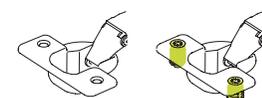
Legend of hinge cup symbols



Screw-on ready  
← screws

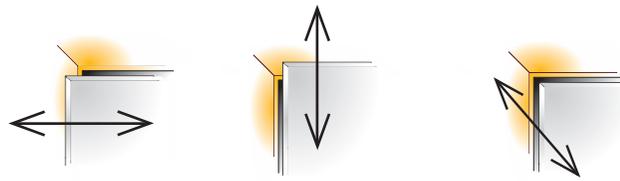


Machine insertion ready



- Opening angle
- Drilling diameter for hinge cup
- Drilling depth
- Hinge on plate mounting system

110°  
35mm  
11.5mm  
slide-on



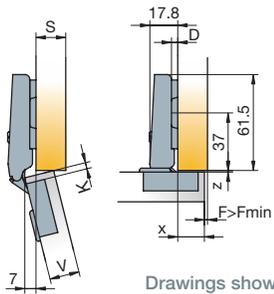
Side adjustment  
+3/-0.5mm

Height adjustment  
+2/-2mm

Depth adjustment  
+4/-0mm

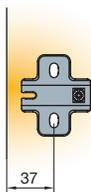
For further explanation → see pages 3.14 - 3.16

Mounting details



Drawings show application on D=0mm thick mounting plate

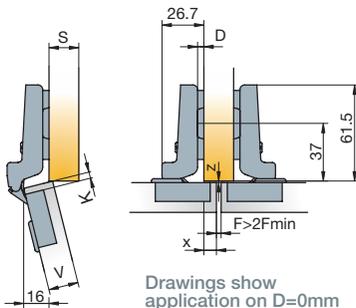
Mounting plate drilling distance



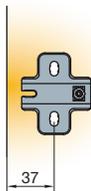
Mounting plate thickness table

For further explanation → see page 3.7

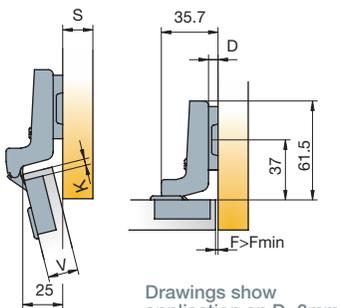
x	10	11	12	13	14	15	16	17	18	
3	6	5	4	3	2	1	0			
K 4		6	5	4	3	2	1	0		
5			6	5	4	3	2	1	0	D



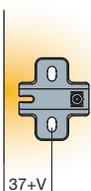
Drawings show application on D=0mm thick mounting plate



x	0	1	2	3	4	5	6	7	8	9	
3		6	5	4	3	2	1	0			
K 4			6	5	4	3	2	1	0		
5	9			6	5	4	3	2	1	0	D



Drawings show application on D=3mm thick mounting plate



V	16	17	18	19	20	21	22	
3	2	2	2	3	3	3	4	
K 4	3	3	3	4	4	4	5	
5	4	4	4	5	5	5	6	D

Soft closing systems



Glissando TL  
→ see page 2.11



Glissando CR  
→ see page 2.15

Accessories



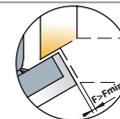
Cover caps for hinge arm  
→ see page 3.137



Push latch  
→ see page 3.139

Door clearance

For further explanation → see page 3.7

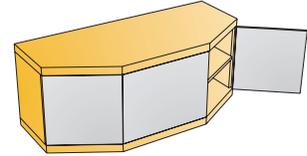
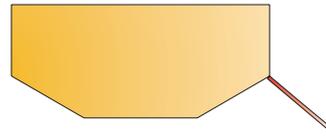
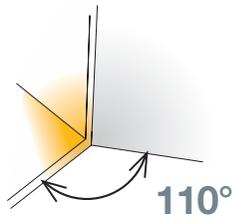


V	16	17	18	19	20	21	22	
3	0.3	0.5	0.7	1.0	1.3	1.7	2.5	
K 4	0.3	0.5	0.7	0.9	1.2	1.6	2.1	
5	0.3	0.5	0.7	0.9	1.2	1.5	2.0	F <sub>MIN</sub>

Gap Z<sub>MIN</sub>=0

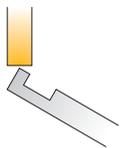
# Basic 110/30°

30° angled application for wooden doors



	Interaxis 45 mm	Interaxis 48 mm
Cup type	Item number	Item number

Cranking  
9mm



	248.0G57.050	248.0G52.050
	248.0G82.050	248.0L72.050

Drilling patterns for hinge cups → see page 3.10

200 Pcs

Cup made of steel, arm made of zinc

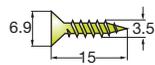
### Mounting plates



Steel mounting plates  
→ see page 3.115

Zinc diecast mounting plates  
→ see page 3.115

### Hinge cup screws If not pre-mounted



820.6308.050

10000 Pcs

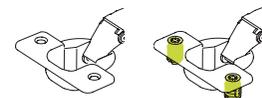
### Legend of hinge cup symbols



Screw-on ready  
← screws



Machine insertion ready

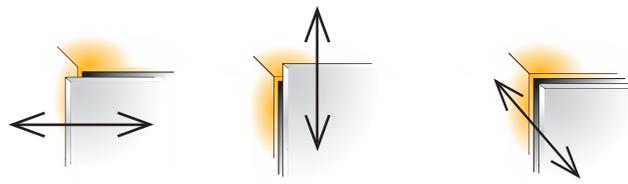


3.99

**Titus**

- Opening angle
- Drilling diameter for hinge cup
- Drilling depth
- Hinge on plate mounting system

110°  
35mm  
11.5mm  
slide-on



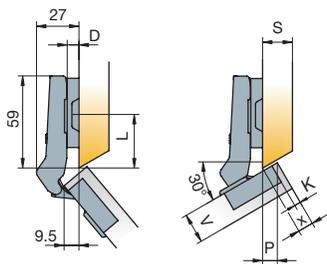
Side adjustment  
+3/-0.5mm

Height adjustment  
+2/-2mm

Depth adjustment  
+4/-0mm

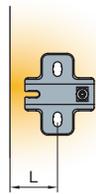
For further explanation → see pages 3.14 - 3.16

Mounting details



Drawings show application on D=3mm thick mounting plate

Mounting plate drilling distance

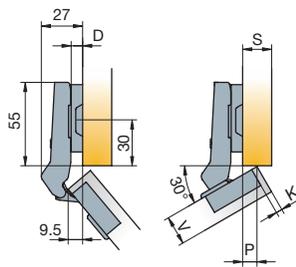


L=37 for thickness D=0  
L=36 for thickness D=1  
L=35 for thickness D=2  
L=34 for thickness D=3  
L=31 for thickness D=9

Mounting plate thickness table

For further explanation → see page 3.7

x	2	3	4	9	10	11	12	13	14	15
3	9			3	2			0		
K	4	9			3	2			0	
5			9			3	2			0 D



Drawings show application on D=3mm thick mounting plate

P	2.5	3.5	4.5	8.5	9.5	10.5	11.5	12.5	13.5
3	9			3	2	1	0		
K	4	9			3	2	1	0	
5			9			3	2	1	0 D

Soft closing systems



Glissando TL  
→ see page 2.11

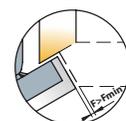
Accessories



Cover caps for hinge arm  
→ see page 3.137

Door clearance

For further explanation → see page 3.7

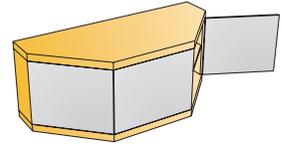
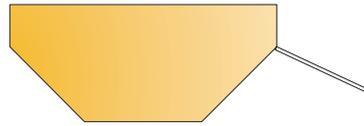
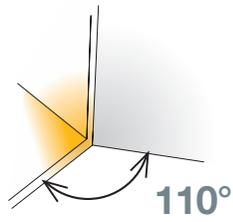


V	16	17	18	19	20	21	22
3	0.3	0.5	0.7	1.0	1.3	1.7	2.5
K	4	0.3	0.5	0.7	0.9	1.2	1.6
5	0.3	0.5	0.7	0.9	1.2	1.5	2.0 F <sub>MIN</sub>

Gap Z<sub>MIN</sub>=0

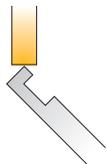
# Basic 110/45°

45° angled application for wooden doors



	Interaxis 45 mm	Interaxis 48 mm
Cup type	Item number	Item number
	248.0L32.650	248.0L27.650
	248.0N38.050	248.0L71.050

Cranking  
9mm



Drilling patterns for hinge cups → see page 3.10

200 Pcs

Cup made of steel, arm made of zinc

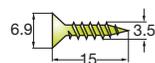
### Mounting plates



Steel mounting plates  
→ see page 3.115

Zinc diecast mounting plates  
→ see page 3.115

### Hinge cup screws If not pre-mounted



820.6308.050

10000 Pcs

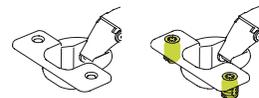
### Legend of hinge cup symbols



Screw-on ready  
← screws

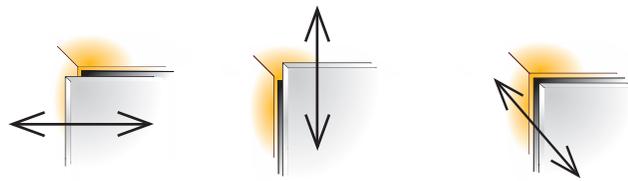


Machine insertion ready



- Opening angle
- Drilling diameter for hinge cup
- Drilling depth
- Hinge on plate mounting system

110°  
35mm  
11.5mm  
slide-on



Side adjustment  
+3/-0.5mm

Height adjustment  
+2/-2mm

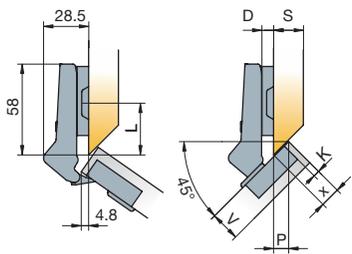
Depth adjustment  
+4/-0mm

For further explanation → see pages 3.14 - 3.16

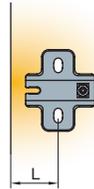
Mounting details

Mounting plate drilling distance

Mounting plate thickness table  
For further explanation → see page 3.7

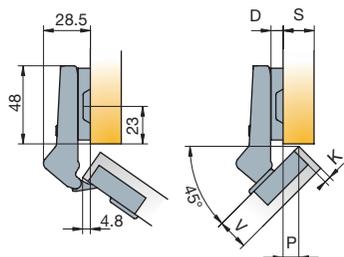


Drawings show application on D=3mm thick mounting plate



L=36 for thickness D=0  
L=35 for thickness D=1  
L=34 for thickness D=2  
L=33 for thickness D=3

x	11.5	12.5	13	13.5	14	14.5	15	15.5	16	16.5	17	18
3	3		2			1			0			
K	4		3		2		1			0		
5				3			2			1	0	D



Drawings show application on D=3mm thick mounting plate

P	9	9.5	10	10.5	11	11.5	12	12.5	13.5	
3	3		2		1		0			
K	4		3		2		1		0	
5				3		2		1	0	D

Soft closing systems



Glissando TL  
→ see page 2.11

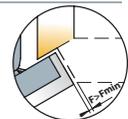
Accessories



Cover caps for hinge arm  
→ see page 3.137

Door clearance

For further explanation → see page 3.7

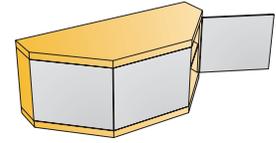
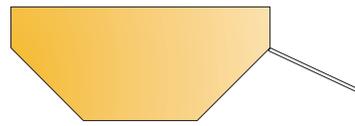
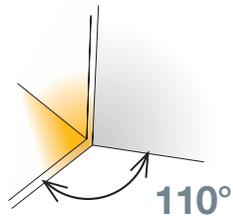


V	16	17	18	19	20	21	22	
3	0.3	0.5	0.7	1.0	1.3	1.7	2.5	
K	4	0.3	0.5	0.7	0.9	1.2	1.6	2.1
5	0.3	0.5	0.7	0.9	1.2	1.5	2.0	F <sub>MIN</sub>

Gap Z<sub>MIN</sub>=0

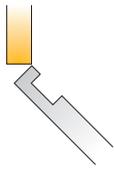
# Basic 110/45°

45° angled application for wooden doors



	Interaxis 45 mm	Interaxis 48 mm
Cup type	Item number	Item number

Cranking  
**18mm**



	248.0L33.050	248.0L28.050
	248.0L46.050	248.0L70.050

Drilling patterns for hinge cups → see page 3.10

100 Pcs

Cup made of steel, arm made of zinc

### Mounting plates

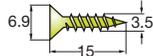


Steel mounting plates  
→ see page 3.115



Zinc diecast mounting plates  
→ see page 3.115

### Hinge cup screws If not pre-mounted



820.6308.050

10000 Pcs

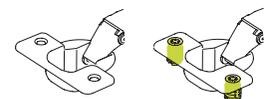
### Legend of hinge cup symbols



Screw-on ready  
← screws

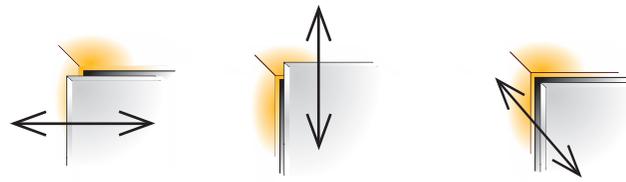


Machine insertion ready



- Opening angle
- Drilling diameter for hinge cup
- Drilling depth
- Hinge on plate mounting system

110°  
35mm  
11.5mm  
slide-on



Side  
adjustment  
+3/-0.5mm

Height  
adjustment  
+2/-2mm

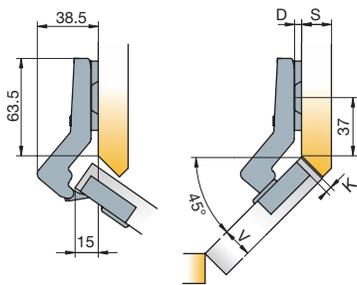
Depth  
adjustment  
+4/-0mm

For further explanation → see pages 3.14 - 3.16

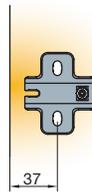
Mounting  
details

Mounting plate  
drilling distance

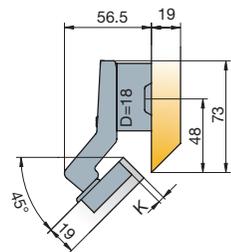
Mounting plate thickness table  
For further explanation → see page 3.7



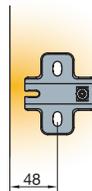
Drawings show application on D=0mm thick mounting plate



	3	0	
K	4	1	
	5	2	D



Drawings show application on D=18mm thick mounting plate



Soft closing systems



Glissando TL  
→ see page 2.11

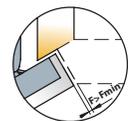
Accessories



Cover caps for hinge arm  
→ see page 3.137

Door clearance

For further explanation → see page 3.7

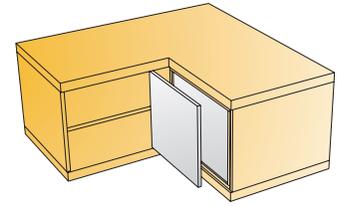
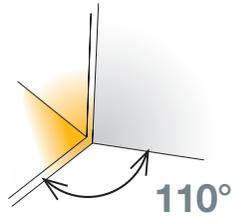


V	16	17	18	19	20	21	22	
3	0.3	0.5	0.7	1.0	1.3	1.7	2.5	
K	4	0.3	0.5	0.7	0.9	1.2	1.6	2.1
5	0.3	0.5	0.7	0.9	1.2	1.5	2.0	F <sub>MIN</sub>

Gap Z<sub>MIN</sub>=0

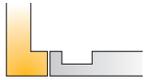
# Basic 110/90°

For wooden door cabinets with blind panels



	Interaxis 45 mm	Interaxis 48 mm
Cup or mounting plate type	Item number	Item number

Cranking  
**18mm**



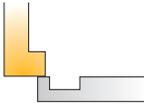
200 Pcs

Cup made of steel, arm made of zinc

	248.0G58.050	248.0G53.050
	248.0G83.050	248.0L73.050

Drilling patterns for hinge cups → see page 3.10

Cranking  
**0mm**



200 Pcs

Cup made of steel, arm made of zinc

	248.0255.050	248.0V66.050
--	--------------	--------------

Drilling patterns for hinge cups → see page 3.10

Blind panel  
mounting  
plate



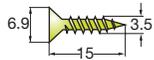
200 Pcs

Made of zinc

	244.0810.650	
15	244.0P28.650	

This mounting plate can be used only with Basic 110/90° hinges.  
Information about mounting plate symbols → see page 3.116

Hinge cup screws  
If not pre-mounted



820.6308.050

10000 Pcs



Legend of hinge cup symbols



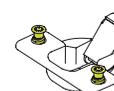
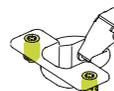
Screw-on ready  
← screws



Machine insertion ready

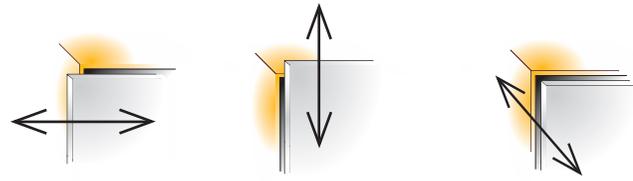


Pre-mounted euro screws



- Opening angle
- Drilling diameter for hinge cup
- Drilling depth
- Hinge on plate mounting system

110°  
35mm  
11.5mm  
slide-on



Side adjustment  
+3/-0.5mm

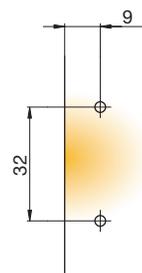
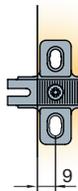
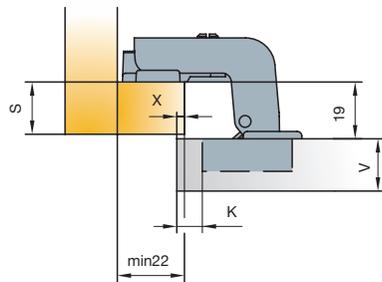
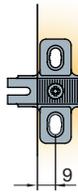
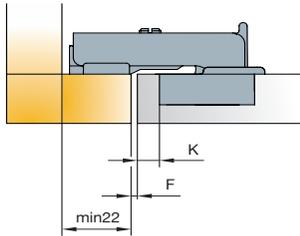
Height adjustment  
+2/-2mm

Depth adjustment  
+4/-0mm

For further explanation → see pages 3.14 - 3.16

Mounting details

Mounting plate drilling distance

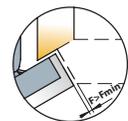


Mounting plates



These hinges can only be used with blind panel mounting plates

Door clearance  
For further explanation → see page 3.7

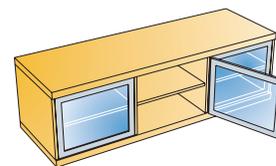
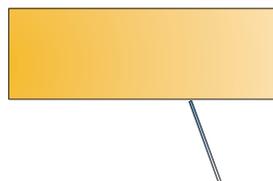
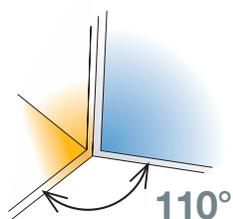


V	16	17	18	19	20	21	22	
3	0.3	0.5	0.7	1.0	1.3	1.7	2.5	
K	4	0.3	0.5	0.7	0.9	1.2	1.6	2.1
5	0.3	0.5	0.7	0.9	1.2	1.5	2	F <sub>MIN</sub>

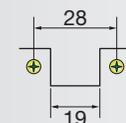
Gap Z=0

# Basic 110

For aluminium frame doors



Aluminium frame cup  
28 mm



Cup type

Item number



950.0T26.050

Cranking  
0mm



200 Pcs

Cup made of zinc, arm made of steel

### Mounting plates



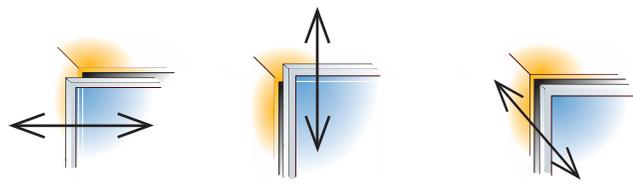
Steel mounting plates  
→ see page 3.115



Zinc diecast mounting plates  
→ see page 3.115

- Opening angle
- Hinge on plate mounting system

110°  
slide-on



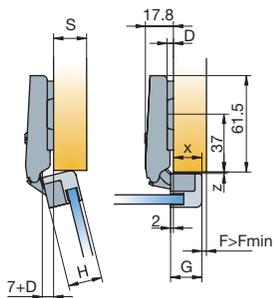
Side  
adjustment  
+3/-0.5mm

Height  
adjustment  
+2/-2mm

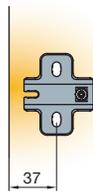
Depth  
adjustment  
+4/-0mm

For further explanation → see pages 3.14 - 3.16

Mounting  
details



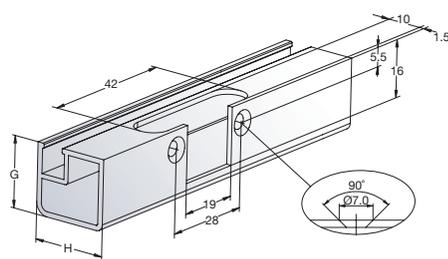
Mounting plate  
drilling distance



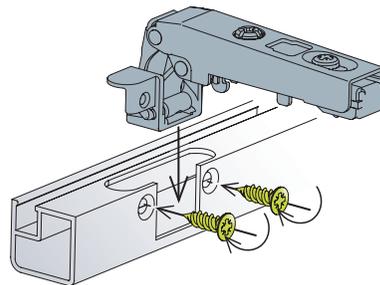
Mounting plate thickness table

For further explanation → see page 3.7

x	12	13	14	15	16	17	18		
17	3	2	1	0					
18	4	3	2	1	0				
G	19	5	4	3	2	1	0		
	20	6	5	4	3	2	1	0	D



Drilling pattern for aluminium frame hinges



Screws included

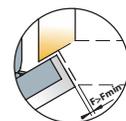
Accessories



Cover caps for hinge arm  
→ see page 3.137

Door clearance

For further explanation → see page 3.7

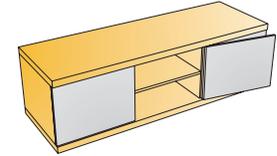
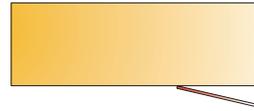
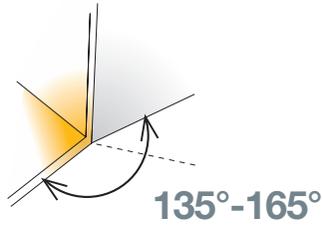


H	17	18	19	20	21	22		
17	0.5	0.7	1.1	1.4	1.8	2.9		
G	18	0.5	0.7	1.0	1.3	1.7	2.5	
	19	0.5	0.7	0.9	1.2	1.6	2.1	
	20	0.5	0.7	0.9	1.2	1.5	2.0	F <sub>MIN</sub>

Gap Z<sub>MIN</sub>=0.5

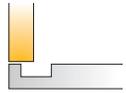
# Basic 170

For wooden doors



Cup type	Interaxis 45 mm	Interaxis 48 mm
	Item number	Item number

Cranking  
0mm



50 Pcs

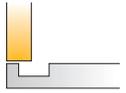
Made of steel and zinc

	248.0R10.050	248.0P43.050
	248.0L51.050	248.0R12.050

Drilling patterns for hinge cups → see page 3.10

Cranking  
0mm

With adjustable  
opening angle



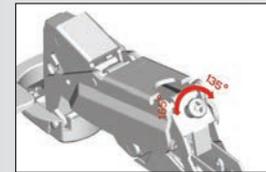
50 Pcs

Made of steel and zinc

	*248.0S05.050	*248.0S06.050
--	---------------	---------------

Drilling patterns for hinge cups → see page 3.10

\* Available upon special request → see page 0.3



Adjustable opening angle

Cranking  
9mm



50 Pcs

Made of steel and zinc

	248.0160.050	248.0161.050
--	--------------	--------------

Drilling patterns for hinge cups → see page 3.10

Mounting plates



Steel mounting plates  
→ see page 3.115



Zinc diecast mounting plates  
→ see page 3.115

Hinge cup screws  
If not pre-mounted



820.6308.050

10000 Pcs



Legend of hinge cup symbols

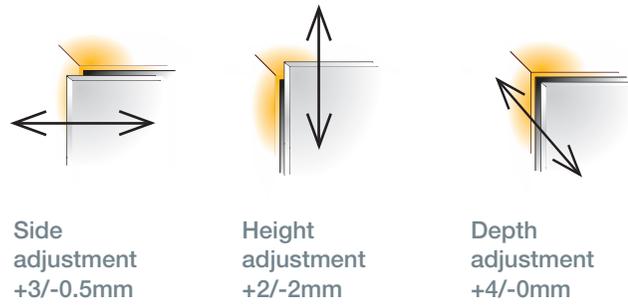
Screw-on ready  
← screws

Machine insertion ready



- Opening angle 135°-165°
- Drilling diameter for hinge cup 35mm
- Drilling depth 12mm
- Hinge on plate mounting system slide-on

- Enable better accessibility into cabinet interior due to the wider opening angle
- Opening angle can be easily adjusted by rotating the appropriate screw on hinge arm

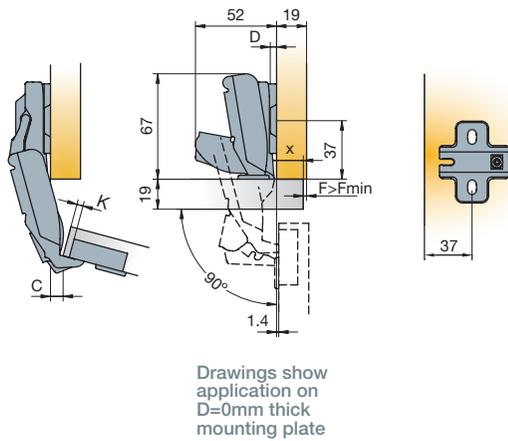


For further explanation → see pages 3.14 - 3.16

Mounting details

Mounting plate drilling distance

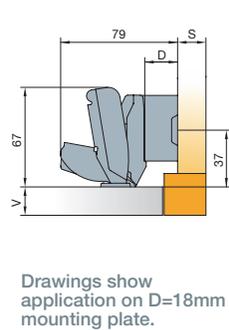
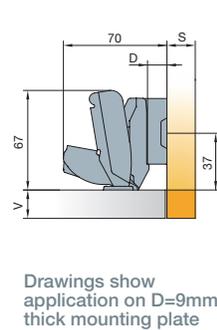
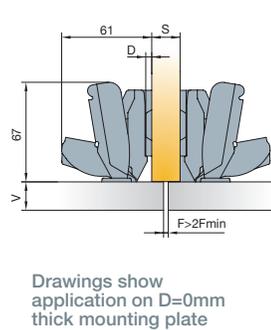
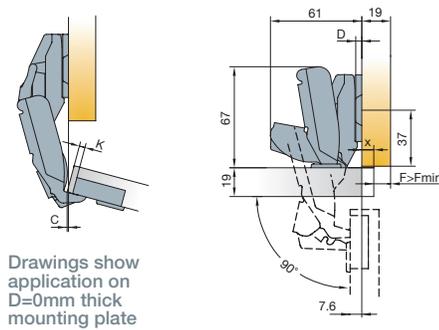
Mounting plate thickness table  
For further explanation → see page 3.7



X	10	11	12	13	14	15	16	17	18	19	20
3	6	5	4	3	2	1	0				
K	4	6	5	4	3	2	1	0			
5			6	5	4	3	2	1	0		
6				6	5	4	3	2	1	0	
7					6	5	4	3	2	1	0

C value with D=0 mounting plates

K	3	4	5	6	7
C	-9.0	-8.1	-7.1	-6.1	-5.2



Soft closing systems



Door clearance  
For further explanation → see page 3.7

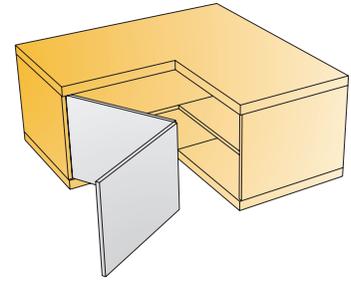
V	16	17	18	19	20	21	22	23	24
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
K	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1

Gap Z<sub>MIN</sub>=0.5

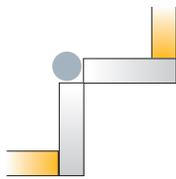
# Basic

for pie-cut corner cabinet

For wooden doors



Corner cabinet



	Interaxis 45 mm	Interaxis 48 mm
Cup type	Item number	Item number
	248.0T81.050	248.0T80.050
	248.0U13.050	248.0U14.050

Drilling patterns for hinge cups → see page 3.10

100 Pcs

Cup made of steel, arm made of zinc

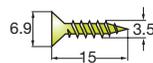
Mounting plates



Steel mounting plates  
→ see page 3.115

Zinc diecast mounting plates  
→ see page 3.115

Hinge cup screws  
If not pre-mounted



820.6308.050

10000 Pcs



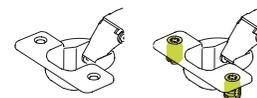
Legend of hinge cup symbols



Screw-on ready  
← screws

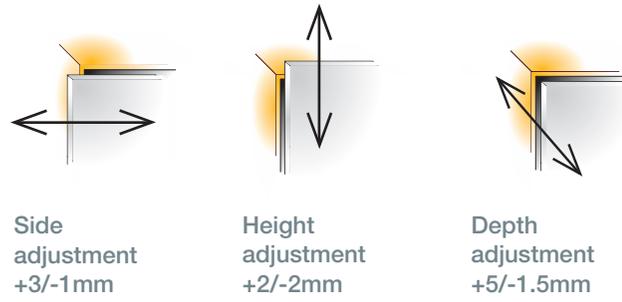


Machine insertion ready



- Drilling diameter for hinge cup 35mm
- Drilling depth 11.5mm
- Hinge on plate mounting system 35mm slide-on

- Standard drilling for hinge and mounting plate
- Hinge integrated adjustment

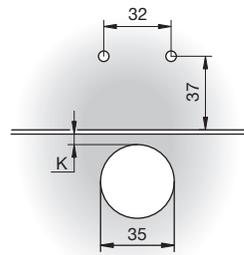
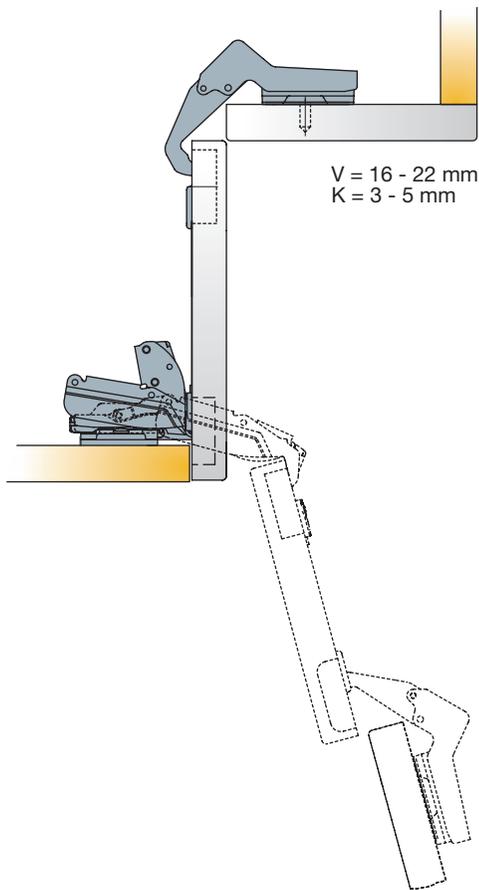


For further explanation → see pages 3.14 - 3.16

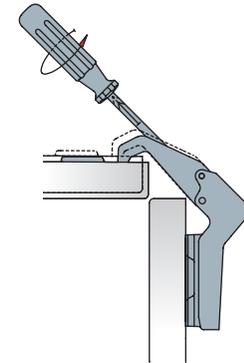
Mounting details

Drilling details

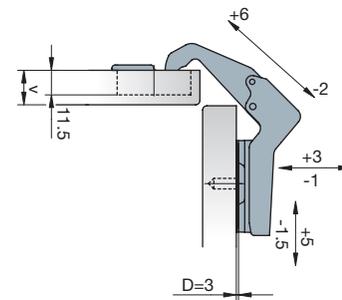
Adjustments



Any Basic mounting plate of thickness D=0 can be used.



The diagonal adjustment is made by rotating the appropriate screw as shown on the drawing.



Accessories

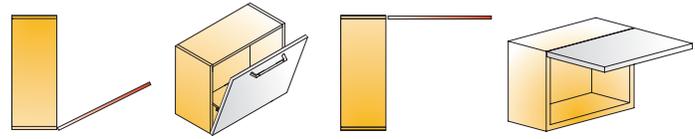
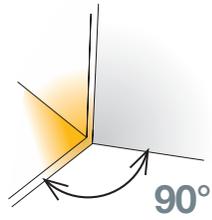


Cover caps for hinge arm  
→ see page 3.137

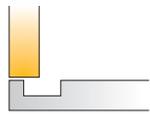
# Basic

## Flap door hinge

For wooden doors



Cranking  
0mm



		Interaxis
		24mm
Cup type	Item number	
left	926.0A26.050	
right	926.0A27.050	

200 Pcs

Made of steel

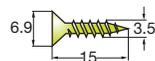
Mounting plates



Steel mounting plates  
→ see page 3.115

Zinc diecast mounting plates  
→ see page 3.115

Hinge cup screws  
If not pre-mounted



820.6308.050

10000 Pcs

Legend of hinge cup symbols

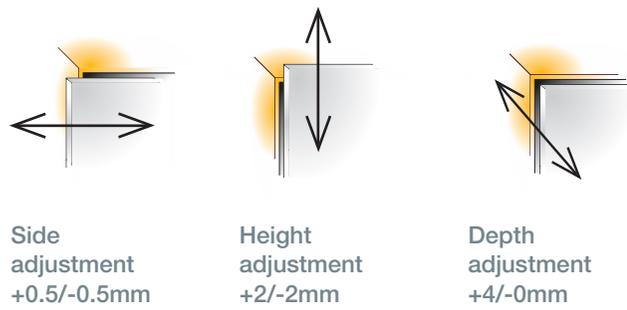


Screw-on  
← screws



- Opening angle 90°
- Mounted on the cabinet side 35mm
- Standard drillings 11,5mm
- Hinge on plate mounting mechanisms slide-on

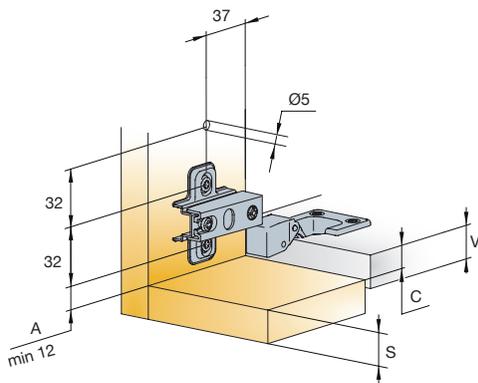
- To be used with flap stay mechanisms
- Mounted on the cabinet side
- Standard drillings



For further explanation → see pages 3.14 - 3.16

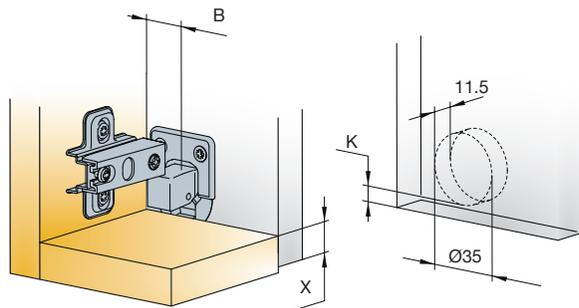
Mounting details

Mounting plate thickness table  
For further explanation → see page 3.7



D	0	1	2	3
<b>B (mm)</b>	20	21	22	23

D=mounting plate height  
X=22.5 + K - A +/-2mm height adjustment

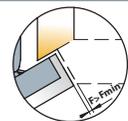


Accessories



Cover caps for hinge arm  
→ see page 3.137

Door clearance  
For further explanation → see page 3.7



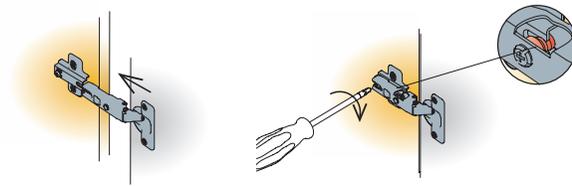
V	16	17	18	19	20	21	22	
<b>3</b>	0.3	0.5	0.7	1.0	1.3	1.7	2.5	
<b>K</b>	4	0.3	0.5	0.7	0.9	1.2	1.6	2.1
<b>5</b>	0.3	0.5	0.7	0.9	1.2	1.5	2.0	<b>F<sub>MIN</sub></b>

Gap Z<sub>MIN</sub>=0

# Basic

## Mounting plates

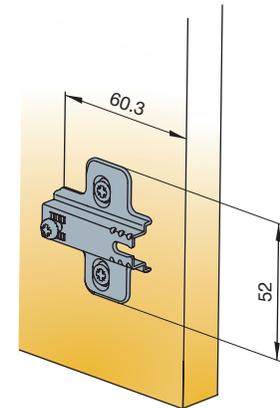
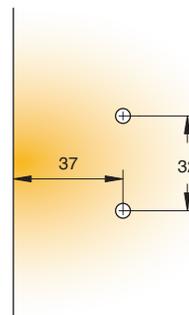
For Basic concealed hinges



Drilling pattern

Dimensions

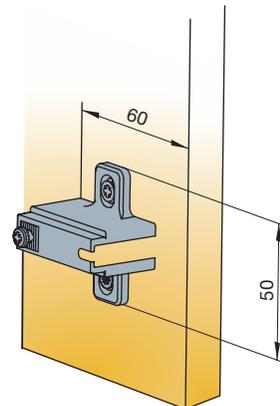
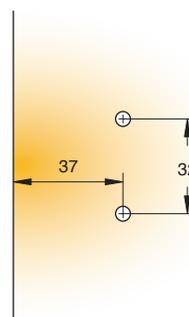
Steel mounting plates



200 Pcs

Made of steel

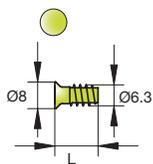
Zinc diecast mounting plates



200 Pcs

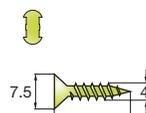
Made of zinc

Fixing screws for mounting plates  
*If not pre-mounted*



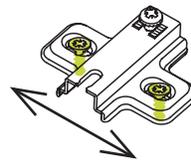
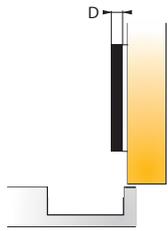
Euro screws  
821.6304.050 L=11  
821.6323.050 L=13  
821.6332.050 L=15

10000 Pcs



Chipboard screws  
820.6328.050

10000 Pcs



Mounting plate thickness

Height adjustment +/- 2mm

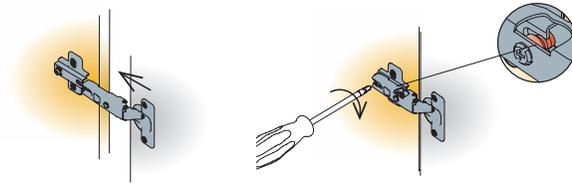
Mounting plate type			11	13	15			7.5	10.5
Mounting plate thickness (D)									
Item number									
0mm	244.0866.050	*244.0L29.050	244.0963.050	244.0965.050	244.0929.050	*244.0L26.050	*244.0L50.050	244.0H64.050	244.0P24.050
1mm	244.0T40.050		244.0307.050	244.0K95.050		*244.0S65.050		244.0S67.050	
2mm	244.0T28.050		244.0Z64.050	244.0K96.050		*244.0S66.050	*244.0V64.050	244.0S68.050	
3mm	244.0867.050	*244.0L39.050	244.0L66.050	244.0G19.050	244.0930.050	*244.0L98.050	*244.0L40.050	244.0H65.050	244.0P25.050
* Available upon special request → see page 0.3									
4mm	244.0L37.650			244.0K97.650				244.0M28.650	
5mm	244.0L38.650			244.0K98.650	244.0T14.650			244.0M29.650	
6mm	244.0232.650			244.0914.650			*244.0B12.650		
9mm	244.0062.650			244.0067.650	244.0P41.650				
18mm	244.0063.650			244.0068.650	244.0175.650				
* Available upon special request see page 0.3									

Legend of mounting plate type symbols

		11	13	15			7.5	10.5
Screw on ready for euro screws ← screws	Screw-on ready for chipboard screws	Pre-mounted 11mm euro screws	Pre-mounted 13mm euro screws	Pre-mounted 15mm euro screws	Pre-mounted chipboard screws	Machine insertion ready	Premounted 7.5mm expanding dowels	Pre-mounted 10.5mm expanding dowels

# Basic Mounting plates

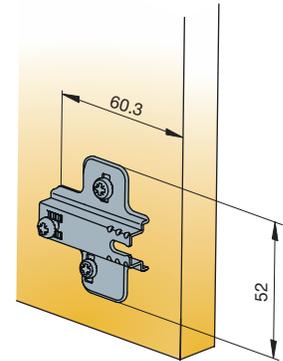
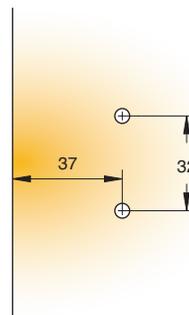
For Basic concealed hinges



Drilling pattern

Dimensions

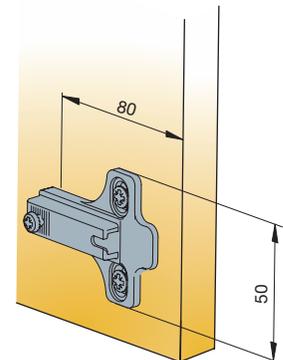
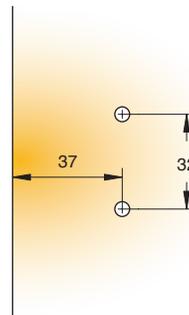
Steel mounting plates  
· Back-to-back application



200 Pcs

Made of steel

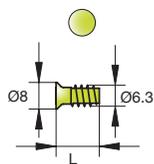
Zinc diecast mounting plates  
· For 18mm inset doors



200 Pcs

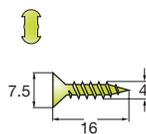
Made of zinc

Fixing screws for mounting plates  
*If not pre-mounted*



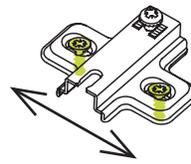
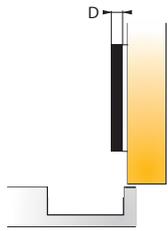
Euro screws  
821.6304.050 L=11  
821.6323.050 L=13  
821.6332.050 L=15

10000 Pcs



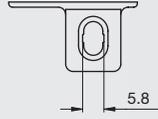
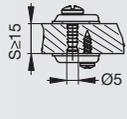
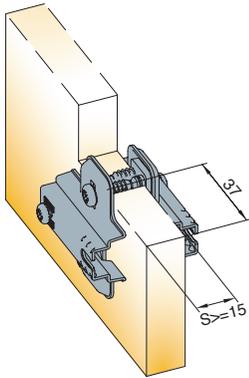
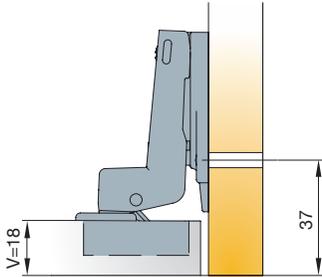
Chipboard screws  
820.6328.050

10000 Pcs



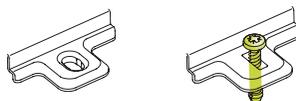
Mounting plate thickness

Height adjustment +/- 2mm

	Mounting plate type	Item number	
		 10.5	
	 Mounting plate thickness (D) Item number	 Item number	
 Minimum panel thickness is 15mm.	3mm	244.0V50.050	
 Fits standard 37mm drilling	2mm	244.0036.650	

Legend of mounting plate type symbols

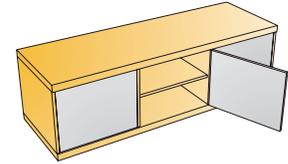
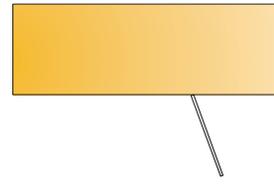
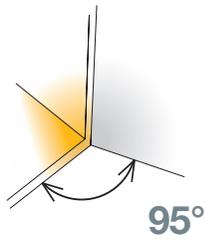
-  Screw on ready for euro screws ← screws
-  10.5 Pre-mounted 10.5mm expanding dowels



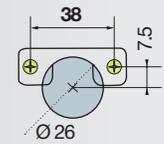
Concealed hinges

# Miniprimat 95

For wooden doors



Interaxis  
**38 mm**



Cup type

Item number

Cranking  
**0mm**



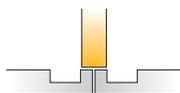
	243.0B35.050
	243.0B38.050
	*243.0M64.050
	243.0L88.050
	*243.0E06.050

Drilling patterns for hinge cups  
→ see page 3.10  
\* Available upon special request  
→ see page 0.3

200 Pcs

Made of steel

Cranking  
**9mm**



	243.0B36.050
	243.0B39.050
	*243.0M65.050
	243.0L89.050
	*243.0E07.050

Drilling patterns for hinge cups  
→ see page 3.10  
\* Available upon special request  
→ see page 0.3

200 Pcs

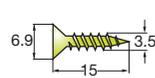
Made of steel

Mounting plates



Zinc diecast mounting plates  
→ see page 3.131

Hinge cup screws  
If not pre-mounted



**820.6308.050**  
 10000 Pcs



Legend of hinge cup symbols



Screw-on ready  
← screw



Machine insertion ready  
8mm



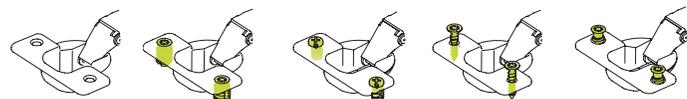
Easy-fix system



Pre-mounted chipboard screws

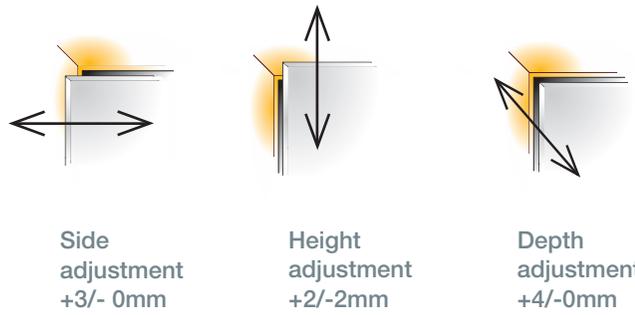


Pre-mounted euro screws



- Opening angle
- Drilling diameter for hinge cup
- Drilling depth
- Hinge on plate mounting system

95°  
26mm  
12mm  
key-hole



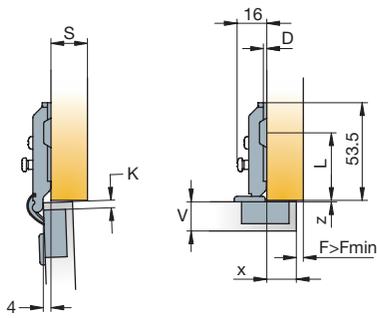
All Miniprimat steel made mounting plates can be used for L=28mm or 37mm drilling distance by simple rotation

For further explanation → see pages 3.14 - 3.16

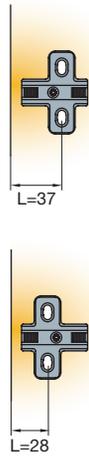
Mounting details

Mounting plate drilling distance

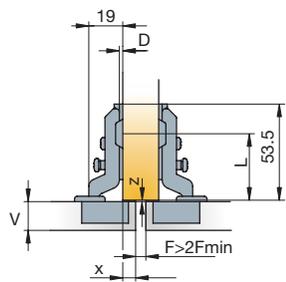
Mounting plate thickness table  
For further explanation → see page 3.7



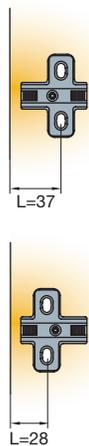
Drawings show application on D=0mm thick mounting plate



x	9.5	10.5	11.5	12.5	13.5	14.5	15.5	16.5	17.5	18.5	19.5
3	6			3	2	1	0				
4		6			3	2	1	0			
K 5			6			3	2	1	0		
6				6			3	2	1	0	
7					6			3	2	1	0
											D



Drawings show application on D=0mm thick mounting plate



x	0.5	1.5	2.5	3.5	4.5	5.5	6.5	7.5	8.5	9.5	10.5
3	6				3	2	1	0			
4		6				3	2	1	0		
K 5			6				3	2	1	0	
6				6				3	2	1	0
7					6				3	2	1
											D

Soft closing systems



Glissando CR  
→ see page 2.15

Accessories



Push latch  
→ see page 3.139

Gap

For further explanation → see page 3.7

V	13	14	15	16	17	18	19	20
	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
	1.3	1.4	1.7	1.4	1.4	1.5	1.5	1.5
	2.3	2.4	2.7	2.4	2.4	2.5	2.5	2.6
	3.3	3.4	3.7	3.4	3.4	3.5	3.5	3.6
								Z <sub>MIN</sub>

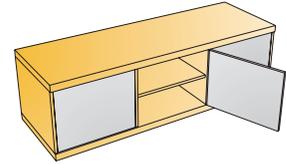
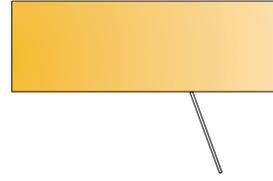
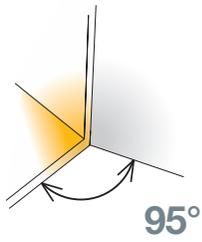
Door clearance

For further explanation → see page 3.7

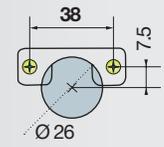
V	13	14	15	16	17	18	19	20
3	0.2	0.3	0.5	0.8	1.1	1.5	2.2	3.0
4	0.2	0.3	0.5	0.8	1.0	1.4	1.9	2.6
K 5	0.2	0.3	0.5	0.7	1.0	1.3	1.7	2.3
6	0.2	0.3	0.5	0.7	0.9	1.2	1.6	2.0
7	0.2	0.3	0.5	0.7	0.9	1.2	1.5	1.9
								F <sub>MIN</sub>

# Miniprimat 95

For wooden doors



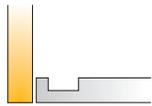
Interaxis  
**38 mm**



Cup type

Item number

Cranking  
**15mm**



	243.0B37.050
	243.0B40.050
	*243.0M42.050
	243.0L90.050
	*243.0E08.050

Drilling patterns for hinge cups  
→ see page 3.10  
\* Available upon special request  
→ see page 0.3

200 Pcs

Made of steel

Cranking  
**18mm**



	243.0F92.050
	243.0P42.050
	*243.0K71.050
	243.0K69.050
	*243.0K70.050

Drilling patterns for hinge cups  
→ see page 3.10  
\* Available upon special request  
→ see page 0.3

200 Pcs

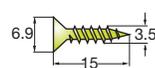
Made of steel

Mounting plates



Zinc diecast mounting plates  
→ see page 3.131

Hinge cup screws  
If not pre-mounted



820.6308.050

10000 Pcs



Legend of hinge cup symbols



Screw-on ready  
← screw



Machine insertion ready  
ready 8mm



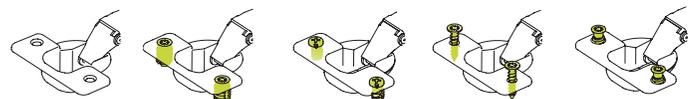
Easy-fix system



Pre-mounted chipboard screws

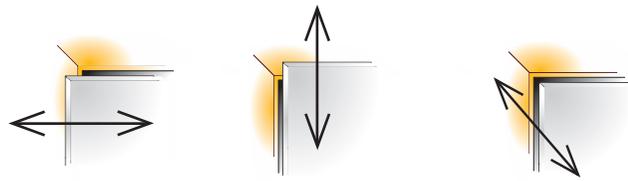


Pre-mounted euro screws



- Opening angle
- Drilling diameter for hinge cup
- Drilling depth
- Hinge on plate mounting system

95°  
26mm  
12mm  
key-hole



Side adjustment  
+3/- 0mm

Height adjustment  
+2/-2mm

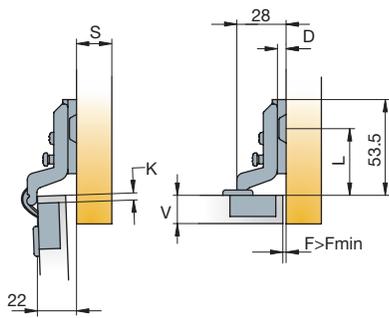
Depth adjustment  
+4/-0mm



All Miniprimat steel made mounting plates can be used for L=28mm or 37mm drilling distance by simple rotation

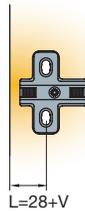
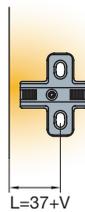
For further explanation → see pages 3.14 - 3.16

Mounting details



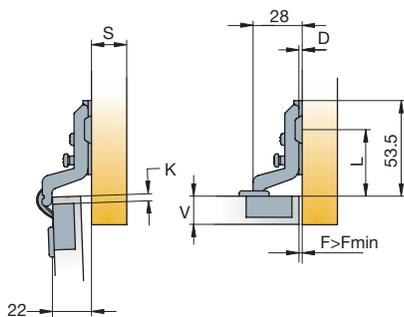
Drawings show application on D=3mm thick mounting plate

Mounting plate drilling distance

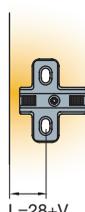
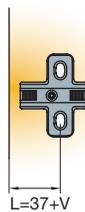


Mounting plate thickness table  
For further explanation → see page 3.7

V	13	14	15	16	17	18	19	20
3	2	2	2	2	2	3	3	3
K 4	3	3	3	3	3			
5	3	3	3					
7	6	6	6					D



Drawings show application on D=0mm thick mounting plate



V	13	14	15	16	17	18	19	20
3	0	0	0	0	0	0	0	1
4	0	0	0	0	0	0	1	2
K 5	0	0	1	1	1	1	2	3
6	1	1	2	2	2	2	3	
7	2	2	3	3	3	3		D

Gap  
For further explanation → see page 3.7

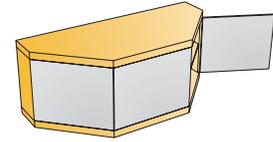
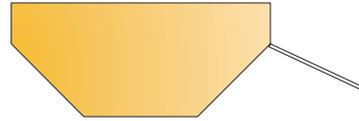
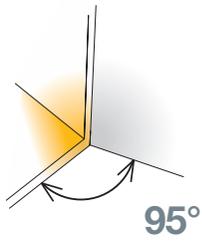
V	13	14	15	16	17	18	19	20
3	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
4	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
K 5	1.3	1.4	1.7	1.4	1.4	1.5	1.5	1.5
6	2.3	2.4	2.7	2.4	2.4	2.5	2.5	2.6
7	3.3	3.4	3.7	3.4	3.4	3.5	3.5	3.6 Z <sub>MIN</sub>

Door clearance  
For further explanation → see page 3.7

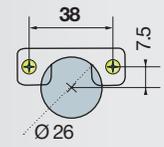
V	13	14	15	16	17	18	19	20
3	0.2	0.3	0.5	0.8	1.1	1.5	2.2	3.0
4	0.2	0.3	0.5	0.8	1.0	1.4	1.9	2.6
K 5	0.2	0.3	0.5	0.7	1.0	1.3	1.7	2.3
6	0.2	0.3	0.5	0.7	0.9	1.2	1.6	2.0
7	0.2	0.3	0.5	0.7	0.9	1.2	1.5	1.9 F <sub>MIN</sub>

# Miniprimat 95/45°

45° angled application for wooden doors



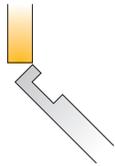
Interaxis  
**38 mm**



Cup type

Item number

Cranking  
**18mm**



	243.0002.050
	*243.0S97.050
	243.0Z11.050

Drilling patterns for hinge cups  
→ see page 3.10  
\* Available upon special request  
→ see page 0.3



200 Pcs

Cup made of steel, arm made of zinc

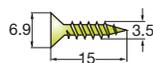
## Mounting plates



Zinc diecast mounting plates  
→ see page 3.131

## Hinge cup screws

If not pre-mounted



820.6308.050

10000 Pcs

## Legend of hinge cup symbols



Screw-on ready  
← Screw



8 Machine insertion ready 8mm



10 Machine insertion ready 10mm



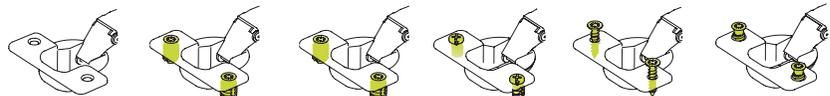
Easy-fix system



Pre-mounted chipboard screws

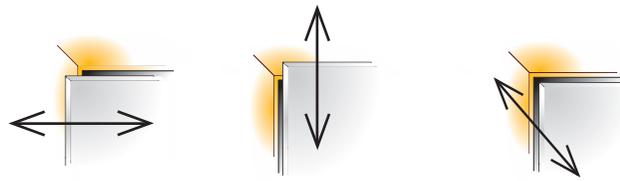


Pre-mounted euro screws



- Opening angle
- Drilling diameter for hinge cup
- Drilling depth
- Hinge on plate mounting system

95°  
26mm  
12mm  
key-hole



Side adjustment  
+3/- 0mm

Height adjustment  
+2/-2mm

Depth adjustment  
+4/-0mm



All Miniprimat steel made mounting plates can be used for L=28mm or 37mm drilling distance by simple rotation

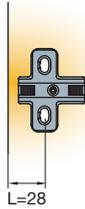
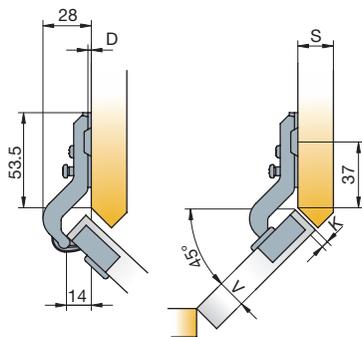
For further explanation → see pages 3.14 - 3.16

Mounting details

Mounting plate drilling distance

Mounting plate thickness table

For further explanation → see page 3.7



	3	4	5	6	7
	0	1	2	3	9

Gap

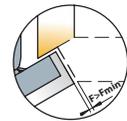
For further explanation → see page 3.7

V	13	14	15	16	17	18	19	20
3	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
4	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
K 5	1.3	1.4	1.7	1.4	1.4	1.5	1.5	1.5
6	2.3	2.4	2.7	2.4	2.4	2.5	2.5	2.6
7	3.3	3.4	3.7	3.4	3.4	3.5	3.5	3.6 Z <sub>MIN</sub>

Door clearance

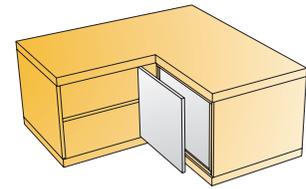
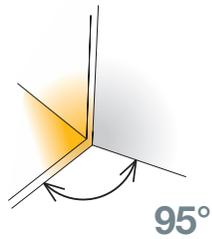
For further explanation → see page 3.7

V	13	14	15	16	17	18	19	20
3	0.2	0.3	0.5	0.8	1.1	1.5	2.2	3.0
4	0.2	0.3	0.5	0.8	1.0	1.4	1.9	2.6
K 5	0.2	0.3	0.5	0.7	1.0	1.3	1.7	2.3
6	0.2	0.3	0.5	0.7	0.9	1.2	1.6	2.0
7	0.2	0.3	0.5	0.7	0.9	1.2	1.5	1.9 F <sub>MIN</sub>

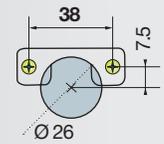


# Miniprimat 95/90°

For wooden door cabinets with blind panels



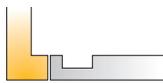
Interaxis  
**38 mm**



Cup type

Item number

Cranking  
**18mm**



200 Pcs

Cup made of steel, arm made of zinc



**243.0B51.050**



13

**\*243.0U26.050**

Drilling patterns for hinge cups  
→ see page 3.10  
\* Available upon special request  
→ see page 0.3

Cranking  
**0mm**



200 Pcs

Made of zinc



13

**243.0Z84.050**

Drilling patterns for hinge cups  
→ see page 3.10

Blind panel  
mounting  
plate



500 Pcs

Made of zinc



**244.0A49.650**

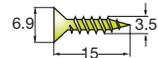


13

**\*244.0A50.650**

This mounting plate can be used  
only with Miniprimat 95/90° hinges.  
Information about mounting plate  
symbols → see page 3.132  
\* Available upon special request  
→ see page 0.3

Hinge cup screws  
If not pre-mounted



**820.6308.050**

10000 Pcs



Legend of hinge cup symbols



Screw-on  
ready  
← Screw



Machine  
insertion  
ready  
8mm



Machine  
insertion  
ready  
10mm



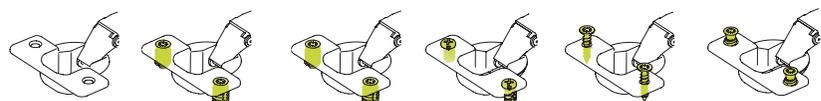
Easy-fix  
system



Pre-mounted  
chipboard  
screws

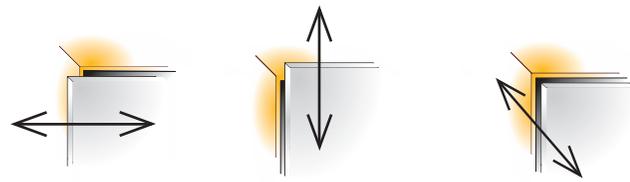


Pre-mounted  
euro screws



- Opening angle
- Drilling diameter for hinge cup
- Drilling depth
- Hinge on plate mounting system

95°  
26mm  
12mm  
key-hole



Side adjustment  
+3/- 0mm

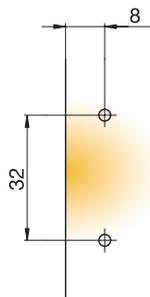
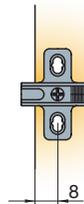
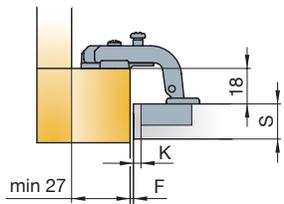
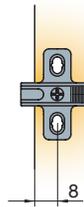
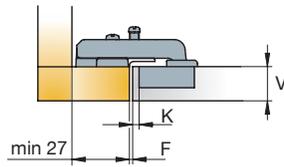
Height adjustment  
+2/-2mm

Depth adjustment  
+4/-0mm

For further explanation → see pages 3.14 - 3.16

Mounting details

Mounting plate drilling distance



Mounting plates



These hinges can only be used with blind panel mounting plates

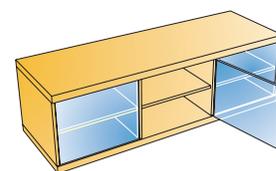
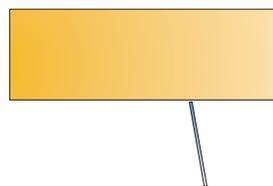
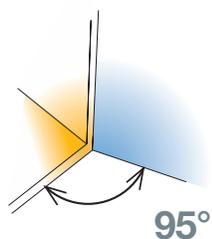
Door clearance

For further explanation → see page 3.7

V	13	14	15	16	17	18	19	20	
3	0.2	0.3	0.5	0.8	1.1	1.5	2.2	3.0	
4	0.2	0.3	0.5	0.8	1.0	1.4	1.9	2.6	
K	5	0.2	0.3	0.5	0.7	1.0	1.3	1.7	2.3
6	0.2	0.3	0.5	0.7	0.9	1.2	1.6	2.0	
7	0.2	0.3	0.5	0.7	0.9	1.2	1.5	1.9	F <sub>MIN</sub>

# Miniprimat 95

For glass door



Hinge cup for glass door



Cup type

Item number

Cranking  
0mm

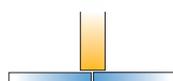


245.0659.850

 200 Pcs

Cup made of plastic, arm made of steel

Cranking  
9mm



245.0926.850

 200 Pcs

Cup made of plastic, arm made of steel

Mounting plates



Zinc diecast mounting plates  
→ see page 3.131

Legend of hinge cup symbols

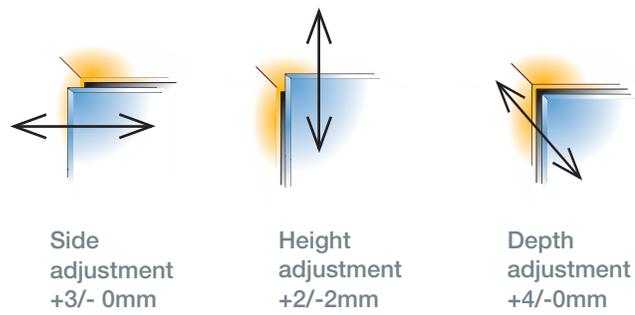


Ready to assemble on glass door. Screws and cup rings included with cover caps.



- Opening angle
- Drilling diameter for hinge cup
- Glass thickness
- Hinge on plate mounting system

95°  
26mm  
4-6mm  
key-hole



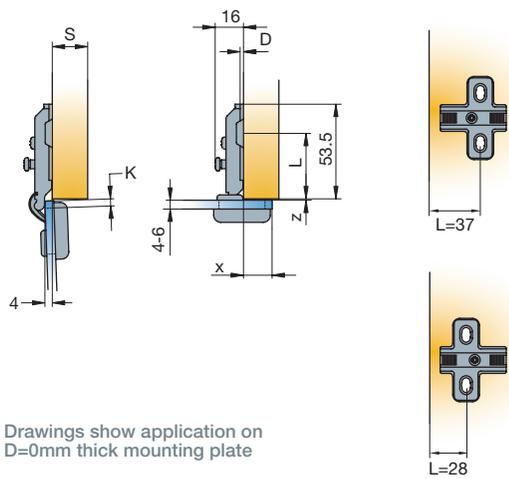
All Miniprimat steel made mounting plates can be used for L=28mm or 37mm drilling distance by simple rotation

For further explanation → see pages 3.14 - 3.16

Mounting details

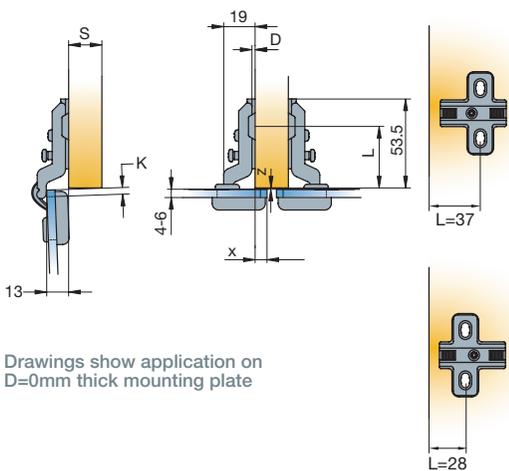
Mounting plate drilling distance

Mounting plate thickness table  
For further explanation → see page 3.7



Drawings show application on D=0mm thick mounting plate

x	9.5	10.5	11.5	12.5	13.5	14.5	15.5	16.5	17.5	18.5	19.5
3	6			3	2	1	0				
4		6			3	2	1	0			
K			6			3	2	1	0		
6				6			3	2	1	0	
7					6			3	2	1	0



Drawings show application on D=0mm thick mounting plate

x	0.5	1.5	2.5	3.5	4.5	5.5	6.5	7.5	8.5	9.5	10.5
3	6				3	2	1	0			
4		6				3	2	1	0		
K			6				3	2	1	0	
6				6				3	2	1	0
7					6				3	2	1

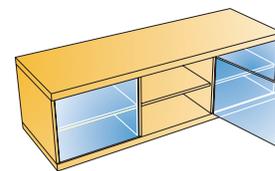
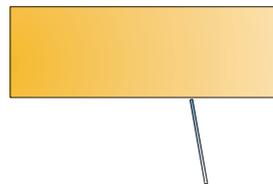
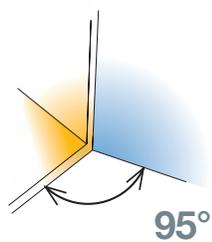
Accessories



Cover caps for hinge cup  
→ see page 3.137

# Miniprimat 95

For glass door



Hinge cup for glass door



Cup type

Item number

Cranking  
**15mm**



245.0660.850



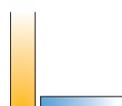
 200 Pcs

Cup made of plastic, arm made of steel

Cranking  
**18mm**



245.0009.850



 200 Pcs

Cup made of plastic, arm made of steel

### Mounting plates



Zinc diecast mounting plates  
→ see page 3.131

### Legend of hinge cup symbols

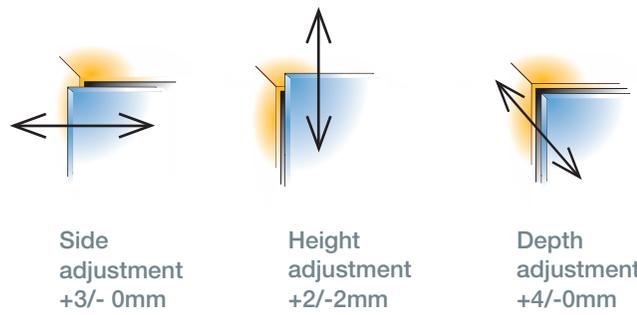


Ready to assemble on glass door. Screws and cup rings included with cover caps.



- Opening angle
- Drilling diameter for hinge cup
- Glass thickness
- Hinge on plate mounting system

95°  
26mm  
4-6mm  
key-hole



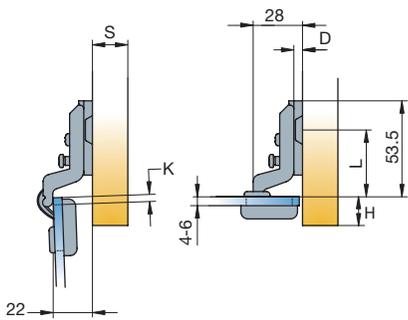
All Miniprimat steel made mounting plates can be used for L=28mm or 37mm drilling distance by simple rotation

For further explanation → see pages 3.14 - 3.16

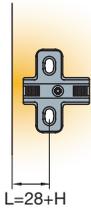
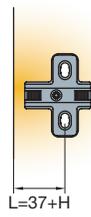
Mounting details

Mounting plate drilling distance

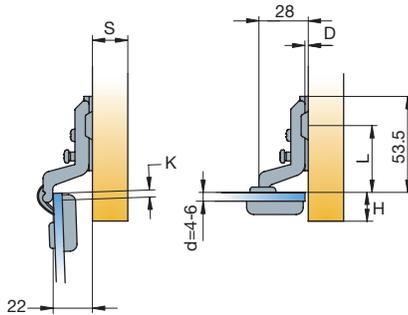
Mounting plate thickness table  
For further explanation → see page 3.7



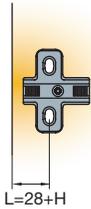
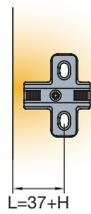
Drawings show application on D=3mm thick mounting plate



	3	2
K	4	3
	5	3
	7	6
		D



Drawings show application on D=0mm thick mounting plate



	3	0
	4	0
K	5	0
	6	1
	7	2
		D

Accessories

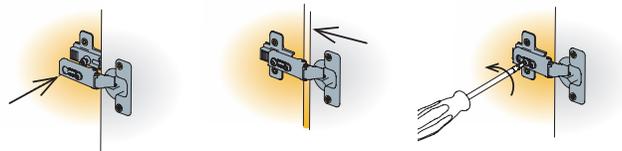


Cover caps for hinge cup  
→ see page 3.137

# Miniprimat

## Mounting plates

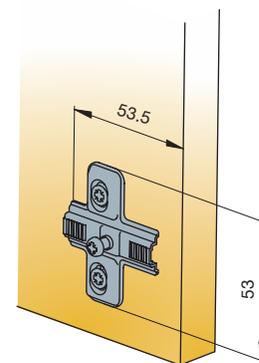
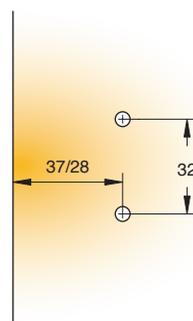
For Miniprimat concealed hinges



Drilling pattern

Dimensions

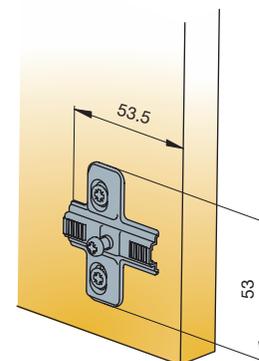
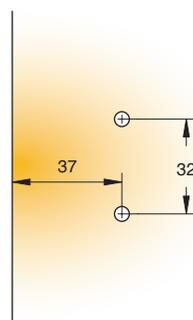
### Steel mounting plates



500 Pcs

Made of steel

### Zinc diecast mounting plates

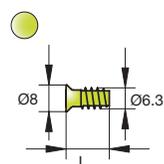


500 Pcs

Made of zinc

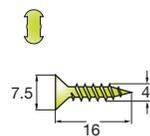
### Fixing screws for mounting plates

*If not pre-mounted*



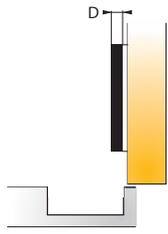
Euro screws  
 821.6304.050 L=11  
 821.6323.050 L=13  
 821.6332.050 L=15

10000 Pcs

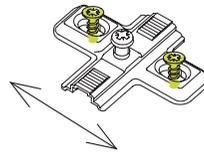


Chipboard screws  
 820.6328.050

10000 Pcs



Mounting plate thickness



Height adjustment +/- 2mm

Mounting plate type		11	13	15			7.5
Mounting plate thickness (D)							
Item number							
0mm	244.0655.050	244.0104.050	244.0846.050	*244.0868.050	*244.0M14.050	*244.0L54.050	244.0H62.050
2mm	244.0U93.050	244.0U78.050	244.0U94.050			*244.0V54.050	
3mm	244.0656.050	244.0U72.050	244.0847.050	*244.0869.050	*244.0M15.050	*244.0L55.050	244.0H63.050

\* Available upon special request → see page 0.3

1mm	244.0851.650		244.0853.650			*244.0H88.650	
6mm	244.0G21.650		244.0E90.650			*244.0T55.650	
9mm	244.0913.650	244.0022.650	244.0845.650				

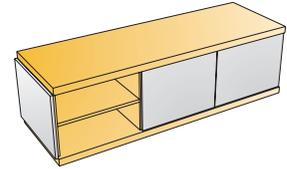
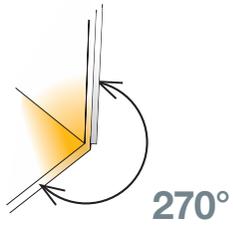
\* Available upon special request → see page 0.3

Legend of mounting plate type symbols

	11	13	15			7.5
Screw on ready for euro screws ← screws	Pre-mounted 11mm euro screws	Pre-mounted 13mm euro screws	Pre-mounted 15mm euro screws	Pre-mounted chip-board screws	Machine insertion ready	Pre-mounted 7.5mm expanding dowels

# Wide angle hinge

For wooden doors



Nickel plated



100 Pcs

Made of zinc

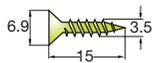
Mounting plate  
Nickel plated



500 Pcs

Made of zinc

Hinge cup screws  
If not pre-mounted



820.6308.050

10000 Pcs

### Legend of hinge cup symbols



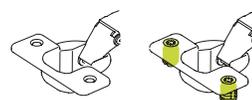
Screw-on ready  
← screws



Machine  
insertion  
ready



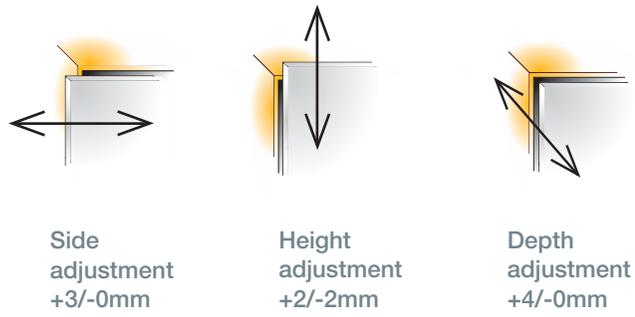
Pre-mounted  
13mm euro  
screws



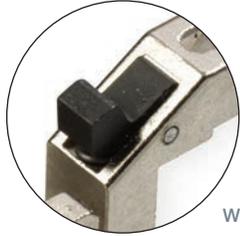
	With spring	Without spring
Cup type	Item number	Item number
	241.0043.650	241.0074.650
	241.0050.650	
D=0mm	244.0907.650	
	13 244.0848.650	
D=2mm	244.0D99.650	
	13 244.0E02.650	
D=6mm	244.0D47.650	
	13 244.0D46.650	
<p>This mounting plate can be used only with Wide angle hinge. Information about mounting plate symbols → see page 3.116</p>		

- Opening angle
- Drilling diameter for hinge cup
- Drilling depth
- Hinge on plate mounting system

270°  
35mm  
12.5mm  
key-hole



For further explanation → see pages 3.14 - 3.16

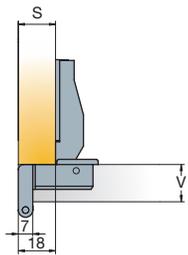


With spring

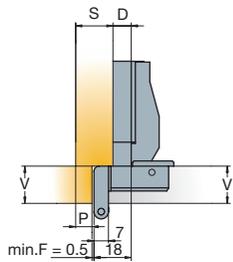


Without spring

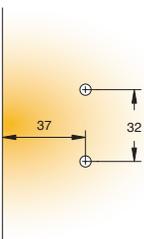
Mounting details



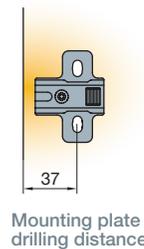
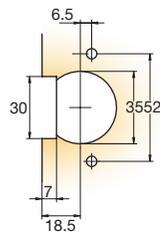
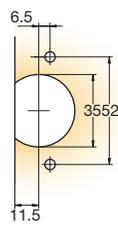
Drawings show application on D=0 mounting plate and S=18 side panel.



Drawings show application on D=6mm thick mounting plate



Drilling details



Mounting plate drilling distance

Mounting plate thickness table

S	16	17	18	19	20	21	22	23	24
0	2		0						
1		2		0					
2			2		0				
3				2		0			
4	6				2		0		
5		6				2		0	
P 6			6				2		0
7				6				2	
8					6				2
9						6			
10							6		
11								6	
12									6

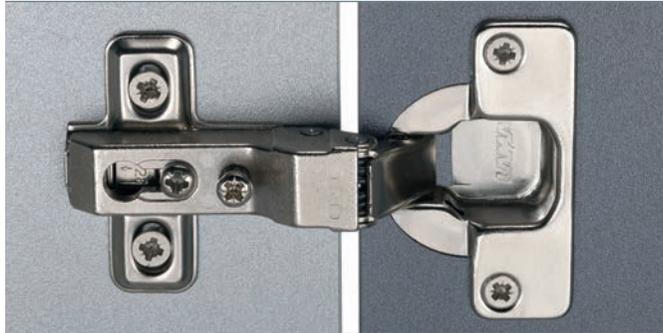
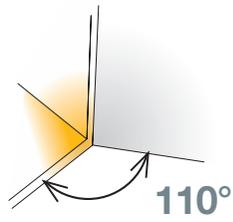
Door thickness



For correct opening the door thickness should not exceed (V<sub>MAX</sub>) 21mm

# Hinge for cabinet with refrigerator

For wooden doors



	Interaxis 45mm	Interaxis 48mm
Cup type	Item number	Item number
	248.0R09.050	248.0K10.050
		248.0M41.050

Cranking  
0mm



Drilling patterns for hinge cups → see page 3.10

200 Pcs

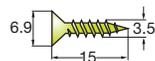
Cup made of steel, arm made of zinc

### Mounting plates



Zinc diecast mounting plates  
→ see page 3.131

### Hinge cup screws If not pre-mounted



820.6308.050

10000 Pcs



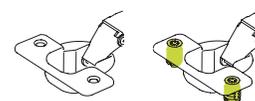
### Legend of hinge cup symbols



Screw-on ready  
← screws

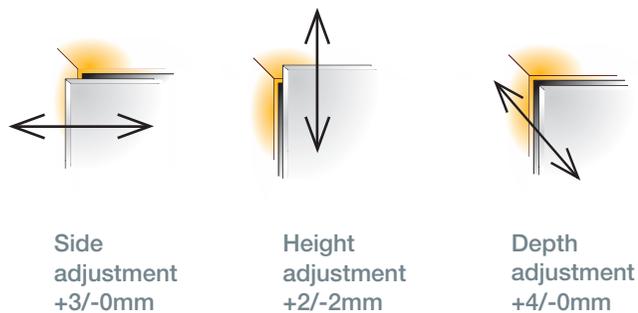


Machine insertion ready



- Opening angle 110°
- Drilling diameter for hinge cup 35mm
- Drilling depth 11,5mm
- Hinge on plate mounting system key-hole

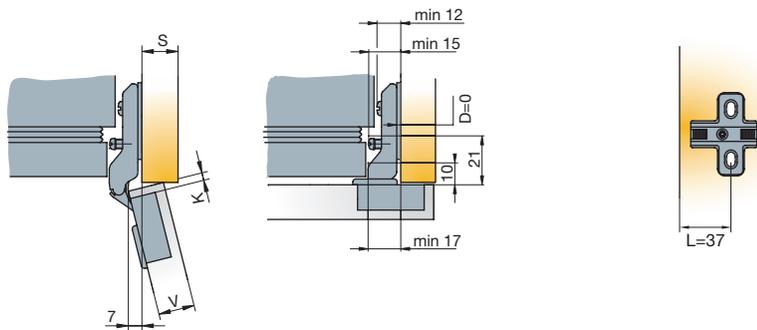
Flat hinge arm allows minimal required gap between refrigerator and cabinet side.



For further explanation → see pages 3.14 - 3.16

Mounting details

Mounting plate drilling distance



Drawings show application on D=0mm thick mounting plate



This hinge can be mounted on all Miniprimat mounting plates

Door clearance

For further explanation → see page 3.8

V	16	17	18	19	20	21	22	
3	0.3	0.5	0.7	1.0	1.3	1.7	2.5	
K	4	0.3	0.5	0.7	0.9	1.2	1.6	2.1
	5	0.3	0.5	0.7	0.9	1.2	1.5	2.0

Gap Z=0

# Cover caps

For hinge arms and glass door hinge cups



For hinge arm  
with Glissando



4000 Pcs

Made of steel

For Ø 26  
glass door cups

· Miniprimat



200 Pcs

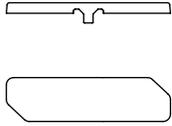
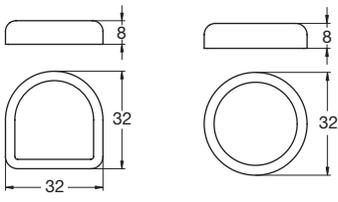
Made of plastic



**Lama recommends!**

To improve appearance Lama recommends the use of hinge arm cover plates with all compatible concealed hinges.

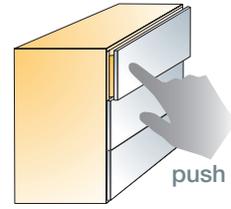
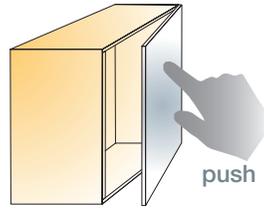
Concealed hinges

Technical details	Plate type	Material/surface	Item number	Nickel plated	Chrome	Brass	Black
	Titus	steel	248.1646 . →	050			
	neutral	steel	248.1712. →	050			
		rough	245.0652. →	261	300	390	
		rough	245.0654. →	261	300	390	
		smooth	245.0931. →	261	300		
	Fixing screws and mounting plates for cups are included						



# Push latch

For wooden doors and drawers



Push Latch



Push latch



Cross mounting plate

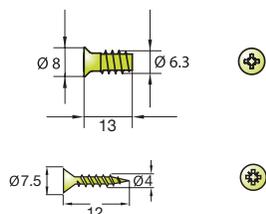


Linear mounting plate

200 Pcs

Made of steel and plastic

Fixing screws for mounting plates



**Euro screws**  
821.6323.050

10000 Pcs

**Chipboard screws**

Item number

Bronze

Push latch **915.0X59** → 381

Cross m. plate **915.4183** → 381

Linear m. plate **915.4175** → 381

**915.0X59.381.K1**



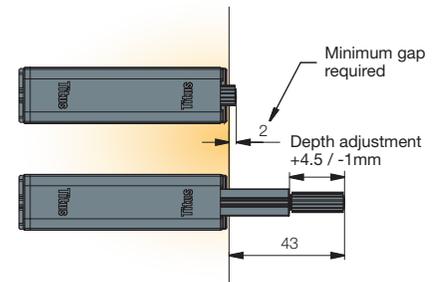
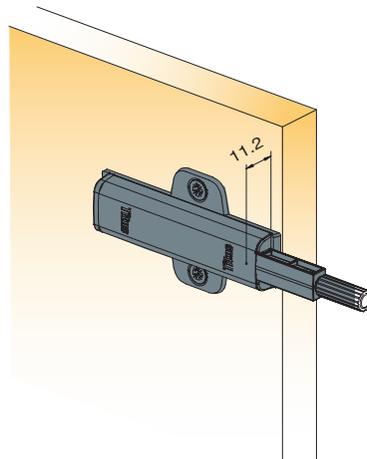
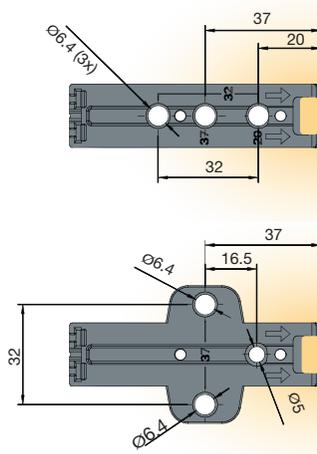
**915.0X59.381.K2**



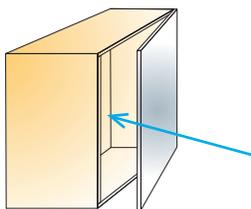
- Works with standard concealed hinges and drawers
- Effortless opening with just a light touch
- Depth adjustment ensures reliable closing and consistent performance in cases of inaccurate drilling
- 'Safety click' feature for easy detachment of the mechanism from the mounting plate

Drilling pattern

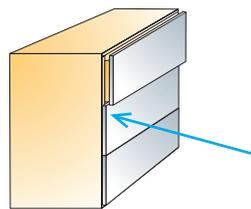
Dimensions



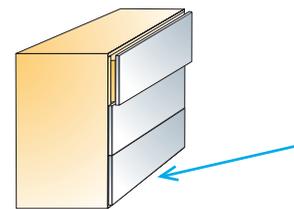
Positioning



Close to the 'touch opening point' on the side opposite to hinges



On the cabinet side; gap between drawer and cabinet side = min 12mm



On the drawer bottom; in the middle of drawer

Push latch works with standard hinges.

Push latch works on drawer; the gap between the drawer and the cabinet side = min. 12 mm