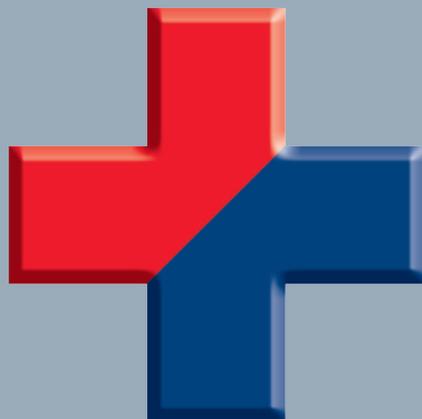


Titus



**Concealed
Hinges
Soft Closing
Systems**

2022

Important Information

Technical information

While every effort has been made in the production of this catalogue to ensure the accuracy of information, our products are continually being revised and users should confirm the up to date specification before ordering. Due to constant improvement of products presented in the catalogue, we can make changes at any time and without notice.

Responsibility

It is the responsibility of the user to ensure the fitness of hardware for the intended purpose. We recommend assessment by appropriate testing in the application and by technical enquiry to our representatives.

Intellectual property

Titus Group owns the intellectual property rights in its products worldwide whether as trademarks, patents, intellectual, copyright, designs, illustrations, drawings and the 'know how' contained in their design and production. Titus Group respects the equivalent rights in competitors and all other relevant product design rights. To our knowledge our products do not infringe any intellectual property rights of competitors or other parties. Titus Group takes infringements of its rights seriously and will rigorously defend these rights to the full extent of the law.

*Non preferred articles

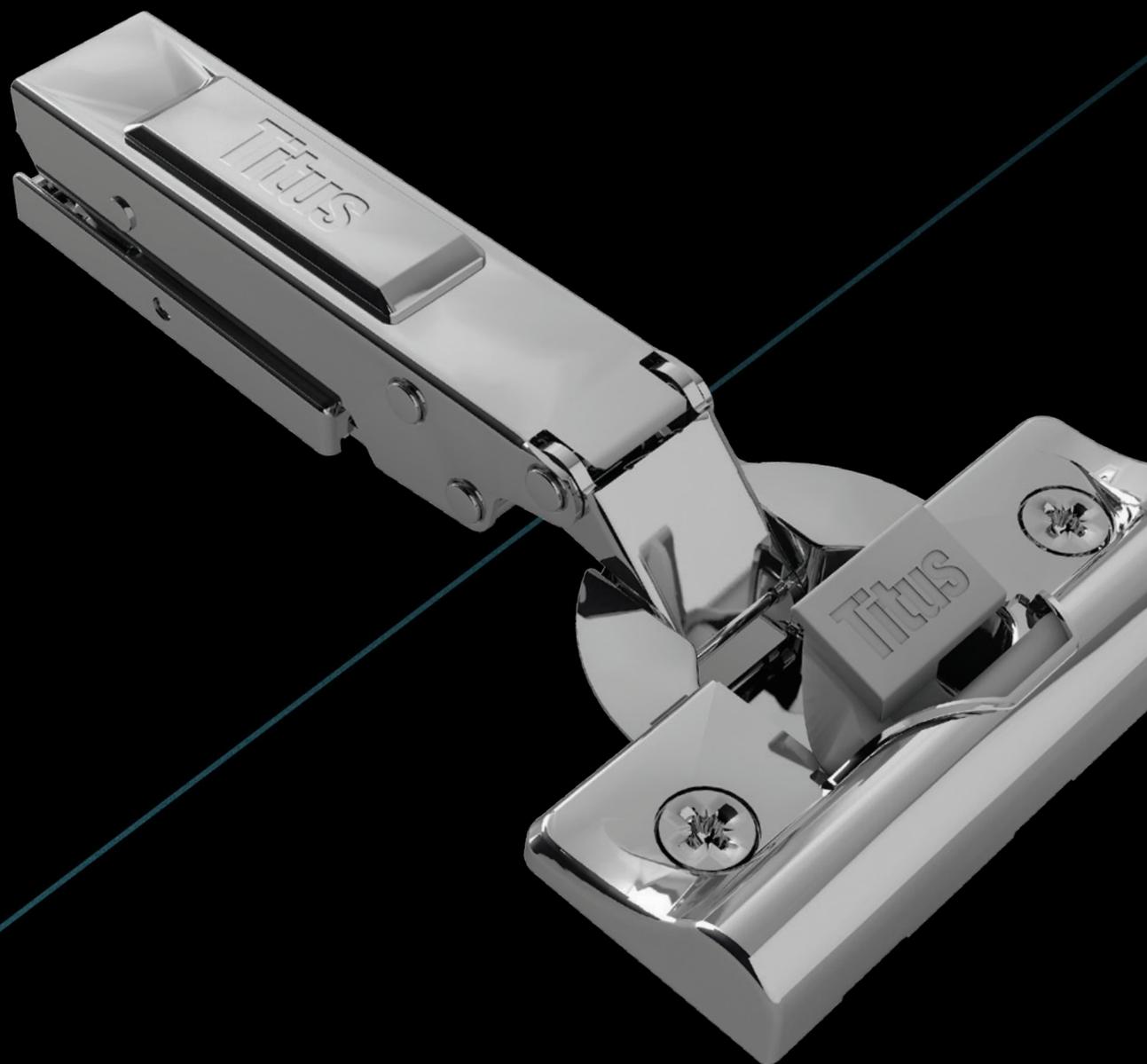
All Item numbers in the catalogue marked with * are for non preferred items available on extended delivery times.

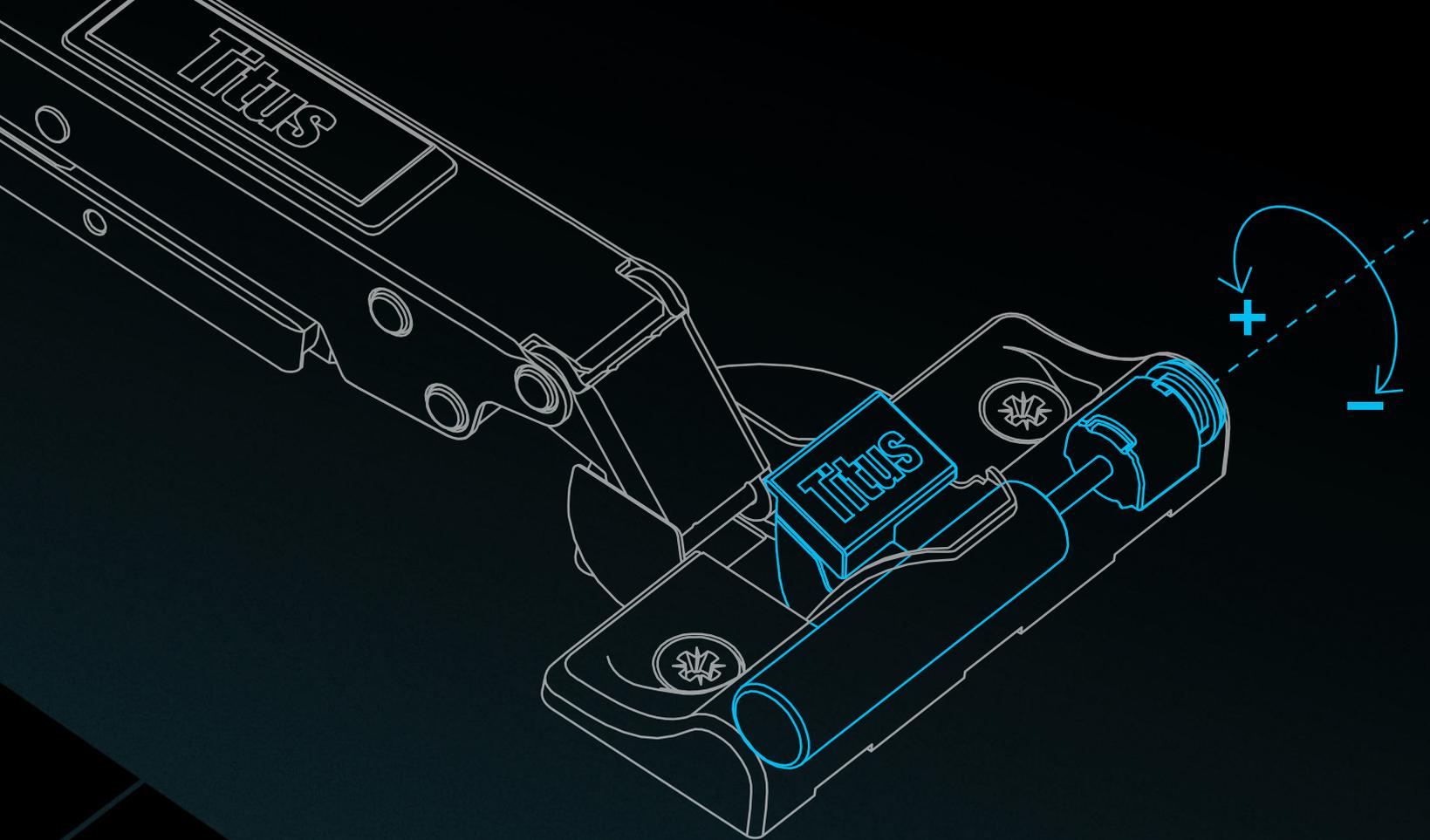
Trademarks

Titus and Titusonic are registered trademarks of Titus International Ltd. Lama is a registered trademark of Titus d.o.o. Dekani, WoodWelding is a registered trademark of WW SA.

Concealed hinges

Concealed Hinges





ConfidentClose

The hinge is designed to provide consumer preferred way of soft closing action.

- Fast closing
- Late start of deceleration action
- Quiet landing with SoftTouch

Based on independent consumer researches.

One-for-All

- Damping on the hinge cup
- Damper, positioned transversal to the hinge allows for easy introduction of various hinge versions
- Damped and non-damped version on one mounting plate platform

Adjustable Damping

- Flexibility to tune performance to wide range of applications
- Consistent performance over a wide range of doors of different sizes and weights
- Easy accessible button for intuitive and quick adjustment

Titus Damper Inside

- Efficient damping at any closing speed
- Reliable closing
- Damping force consistency

Concealed Hinges

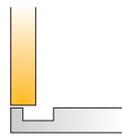
Door Overlay

How to Achieve the Desired Door Overlay?

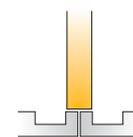
By choosing the hinge of appropriate cranking

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. Partial overlay for double doors**
Use a hinge with 5mm or 9mm cranking

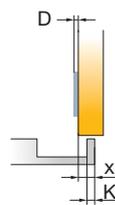


- 3. Inset door**
Use a hinge with 15mm or 17mm cranking

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 or calculated with given formula.

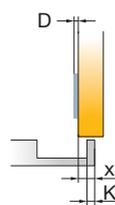


x	4	5	6	7	8	9
3	3	2	1	0		
K 4		3	2	1	0	
5			3	2	1	0

$$D = 4 + K - x$$

By choosing the appropriate drilling distance K

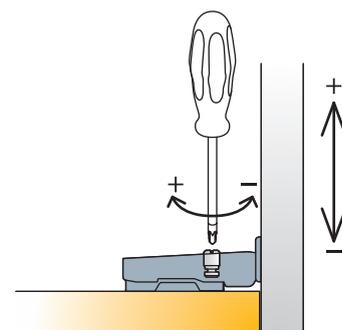
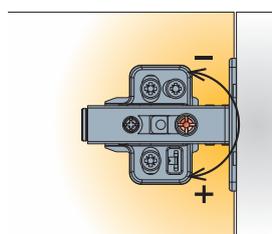
To achieve the desired door overlay (x) while using a determined mounting plate thickness (D), an appropriate drilling distance K must be chosen.



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

Through side adjustment

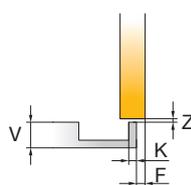
Side adjustment is made by rotating the appropriate screw on the hinge arm.



Door clearance and gap

Door clearance ($F \geq F_{min}$) 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 on product pages → see Door clearance chart. When using hinges with partial overlay the door clearance must be twice as large ($F \geq 2F_{min}$).



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_{min}

Gap $Z_{min}=0$

Concealed Hinges

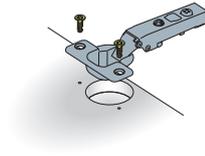
Hinge Cup Types

How to Mount the Hinge on the Door?

There are cup type symbols listed on product pages beside item numbers. Below you can find their explanation.

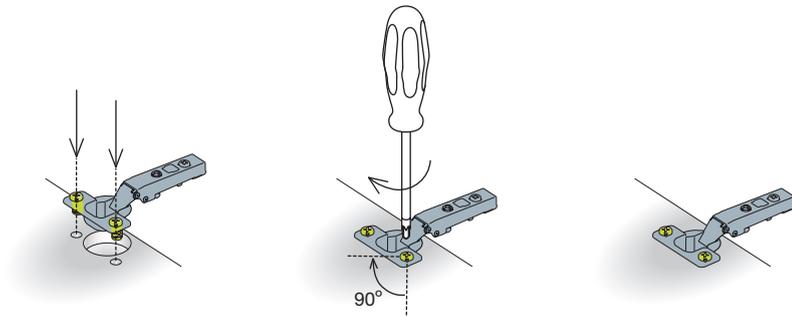
No pre-mounting

The hinge is fixed on the door with two screws. 3mm pilot holes recommended.



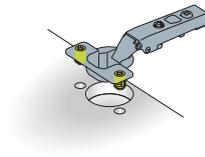
EasyFix

Quarter turn fixing for 8mm holes (interaxis 45/9.5) or 10mm holes (interaxis 48/6 and 52/5.5).



Machine insertion ready hinge cup

Pre-mounted dowels suitable for machine insertion into 8mm holes



Concealed Hinges

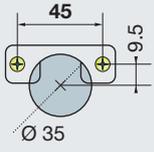
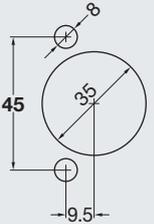
Boring Details

Drilling Patterns for Hinge Cup

Interaxis 45mm

- T-type
- S-type

*Available on special request → see page 0.3

Hinge cup type	Drilling pattern
 <p>Screw-on ready</p>	<p>Interaxis 45mm</p> 
 <p>Machine insertion ready</p>  <p>Easy-fix system</p>	

Interaxis is the distance between the centers of the two fixing screw holes on the hinge cup.

Concealed Hinges

Mounting Plate Type

How to Fix the Mounting Plate on the Cabinet Side?

There are mounting plate type symbols listed on product pages beside item numbers. Below you can find their explanation.



Chipboard screw-on ready

Mounting plate is fixed with two chipboard screws or equivalent. 3mm pilot holes recommended.



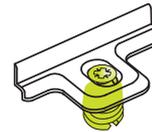
Euro screw ready

Fixing with 6.3mm euro screws into pre-drilled 5mm holes. To choose appropriate head and length for use with this mounting plate is recommended.



Machine insertion ready

Pre-mounted dowels for machine insertion into pre-drilled holes.



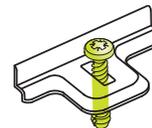
Pre-mounted euro screws

Euro screws for 5mm holes are pre-mounted on the mounting plate. Available lengths: 11mm, 13mm and 15mm



Pre-mounted expanding dowels

Pre-mounted expanding dowels for 5mm holes. Available lengths: 7.5mm and 10.5mm



Pre-mounted Ø4.5mm screws

Mounting plate is fixed with two pre-mounted chipboard screws. 3mm pilot holes recommended.



Concealed Hinges

Hinge-to-plate Mounting

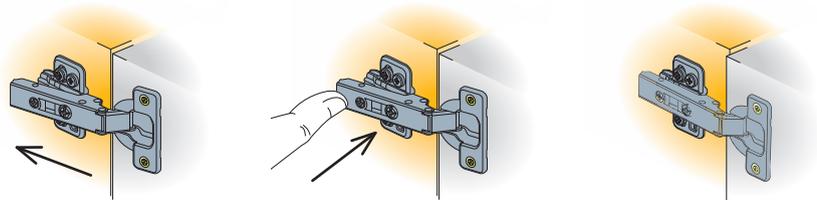
How to Assemble the Hinge and the Mounting Plate?

T-type 3Way snap-on

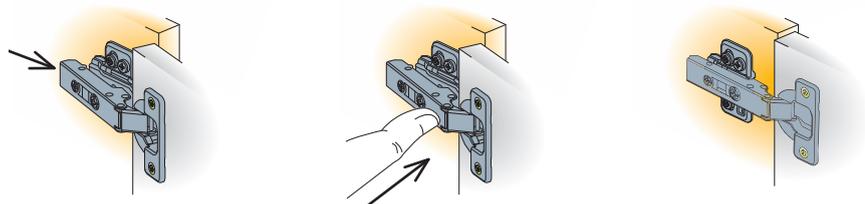
3Way snap-on mounting for intuitive hinge-to-plate assembly in three directions:

- from the hinge arm front
- from the hinge arm rear
- from the top

front assembly



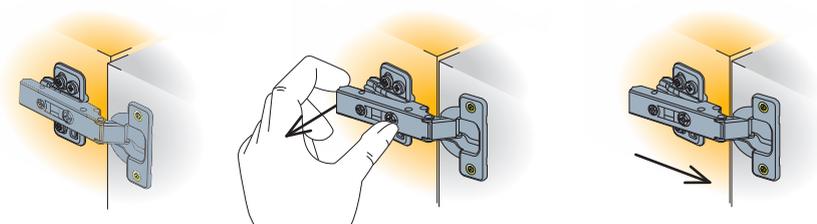
rear assembly



top assembly



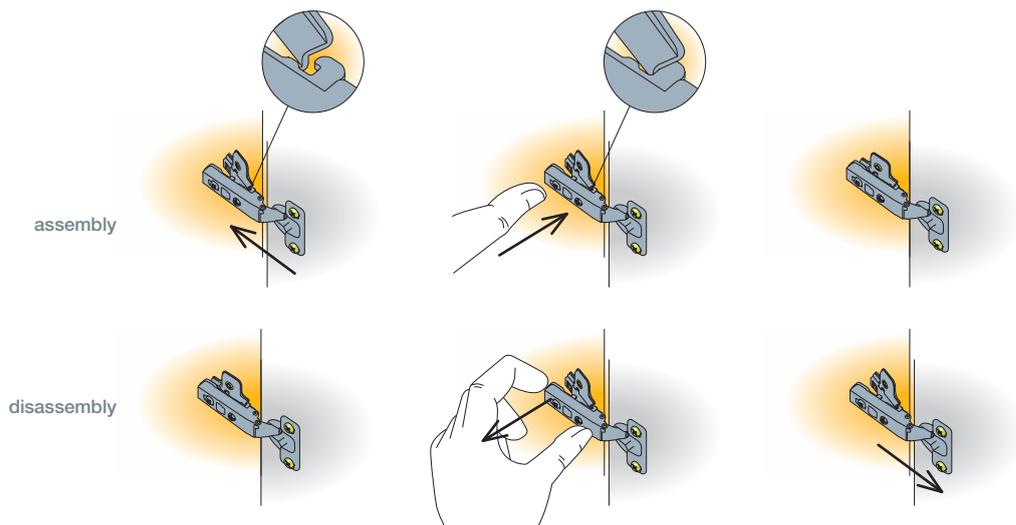
disassembly:
for disassembly press rear
lever on the hinge arm.



**S-type
snap-on**

Door is assembled on the cabinet side simply by positioning 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 rear button on the hinge arm.



Concealed Hinges

Loadings

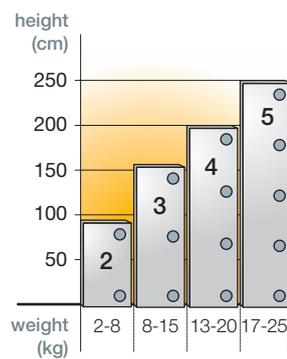
How Many Hinges per Door?

Check the enclosed recommendation for the number of recommended hinges per door by considering door height and weight.

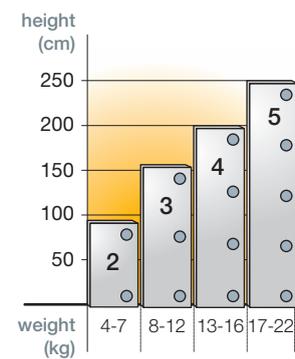
Recommendation: Use the appropriate number of hinges, not exceeding door height and weight as shown below.

Concealed hinges with Ø35mm hinge cup diameter

- Standard hinges

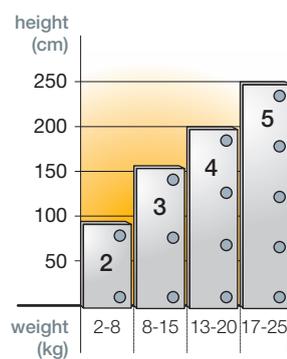


T-type



S-type

- Hinges with integrated damping



T-type-i

Hinges with integrated damping can be combined with non-damped hinges from standard hinge range. A trial mounting is always recommended.

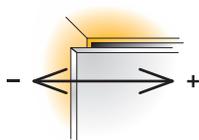
Concealed Hinges

Adjustment



Adjustment range can be found on the product pages.

Side Adjustment

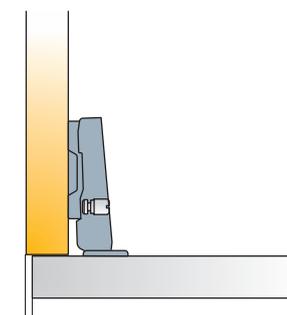
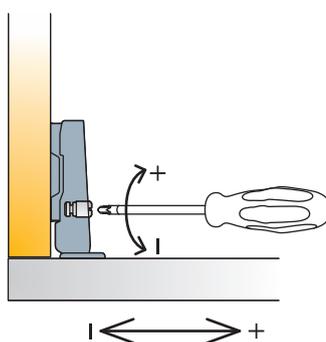
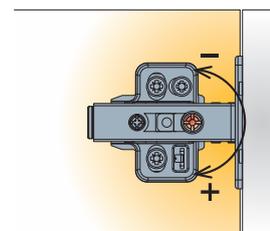


Side adjustment aligns the door with the side of the cabinet.

By rotating the adjustment screw

- T-type
- S-type

Side adjustment is made by rotating the screw on the hinge arm.

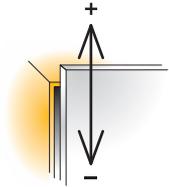


Adjustment range

Concealed Hinges

Adjustment

Height Adjustment

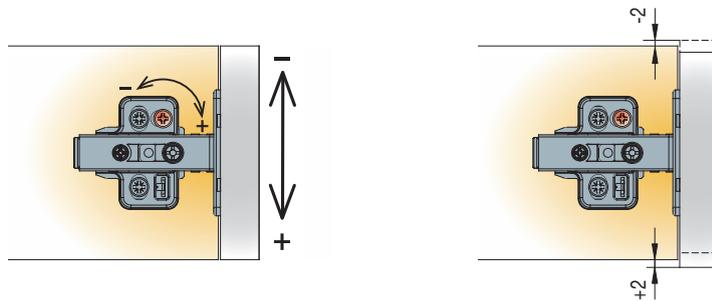


Height adjustment is necessary to achieve optimal vertical door position.

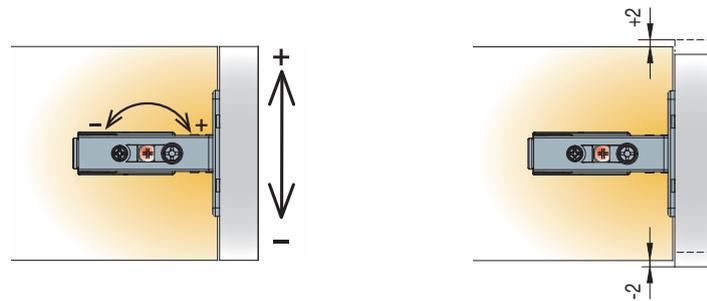
By rotating the cam adjuster

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

T-type and S-type with cam adjustable cruciform mounting plate



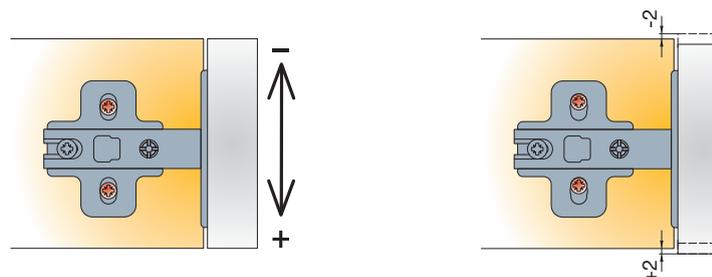
T-type with cam adjustable linear mounting plate



By releasing the fixing screws

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

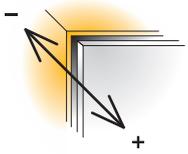
- T-type and S-type with cruciform mounting plate
- Refrigerator cabinet hinge



Concealed Hinges

Adjustment

Depth Adjustment

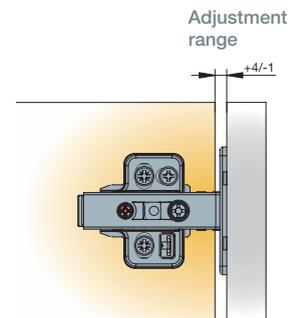
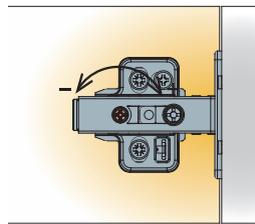


The system enables easy adjustment of the gap between door and cabinet.

By rotating the cam adjuster

Rotate the cam adjuster on the hinge arm.

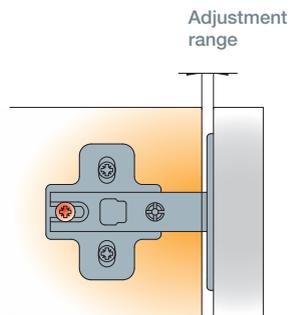
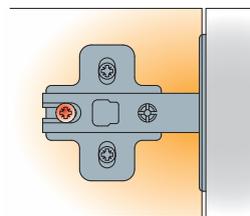
- T-type



By releasing the fixing or adjustment screw

The depth adjustment is made by temporarily releasing the adjustment screw. After the adjustment is made the screw has to be re-tightened.

- S-type



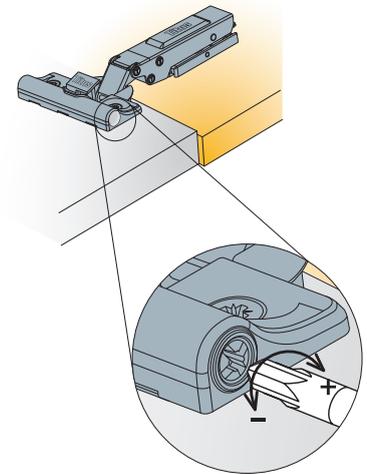
Concealed Hinges

Damping Adjustment

Damping Adjustment

T-type-i

The damping action can be adjusted to fit different door weights and sizes which enables optimal door functioning.



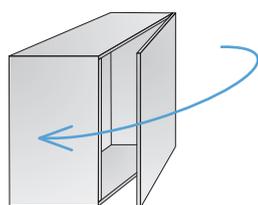
Damping is factory pre-set to the medium damping value. Turn towards '+' to increase and '-' to decrease the damping.

Key Design Choices

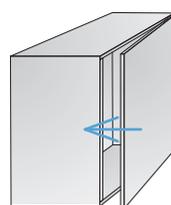
ConfidentClose

The hinge is designed to provide consumer preferred way of soft closing action.

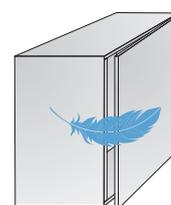
Based on results of Titus researches made in UK, Germany and Slovenia



Fast closing



Late start of deceleration action



Quiet landing with SoftTouch

One-for-All efficiency principle

Damping on the hinge cup
Damper, positioned transversal to the hinge cup allows for easy introduction of hinge versions

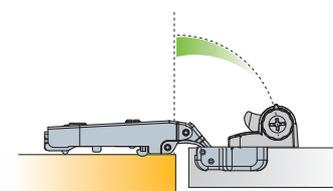
Damped and non-damped version on one mounting plate platform



Adjustable damping

Flexibility to tune performance for all applications

- Consistent performance over a wide range of doors of different sizes and weights
- Easy accessible adjustment button for intuitive and quick adjustment



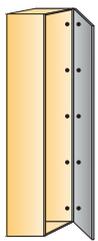
Adjustable damping zone and force

Titus Damper Inside

- Efficient damping at any closing speed
- Reliable closing
- Damping force consistency

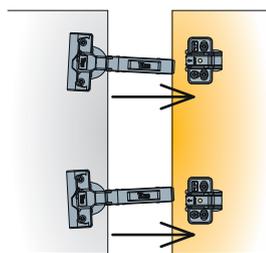


T-type Hinges



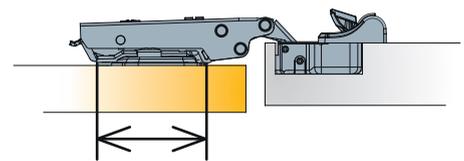
Easy door installation even in cases of 3-5 hinges per door

- Easy and quick assembly and disassembly



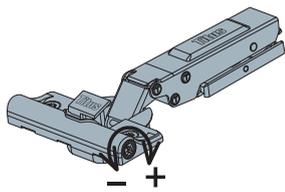
Highly tolerant

- Efficient performance in edge value of tolerances
- Reliable door closing in case of accidental misalignment
- ConfidentClose assured



Rigidity

- Rigid hinge-to-plate attachment assures door stability
- Tight hinge-to-plate joint improves hinge stability and reduces door sag
- Smooth performance



Adjustable damping

- Consistent performance on doors of different dimensions and weights
- Intuitive adjustment



Titus Damper Inside

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

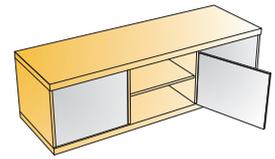
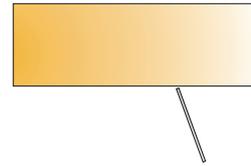
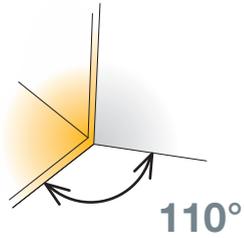


Proven Glissando concept

- Damper is positioned transversal on the hinge cup
- Reliable performance

T-type-i 110

For wood doors



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

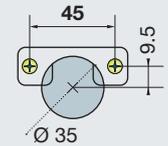
110°
35mm
12mm
3Way snap-on



Technical details

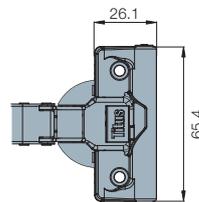
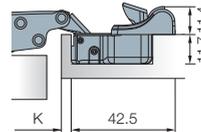
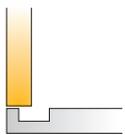
Cup type

Interaxis
45mm



Item number

Cranking
0mm



701.0AT0.054



701.0AT1.054



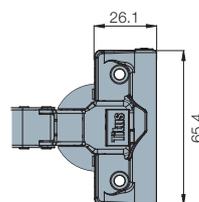
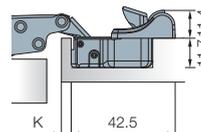
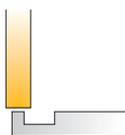
701.0AT4.054

Drilling patterns for hinge cups
→ see page 1.9

150 Pcs

Made of steel

Cranking
5mm



701.0BT0.054



701.0BT1.054



701.0BT4.054

Drilling patterns for hinge cups
→ see page 1.9

150 Pcs

Made of steel

Mounting plates



Cam adjustable cruciform mounting plate
→ see page 1.37



Cruciform mounting plate
→ see page 1.39

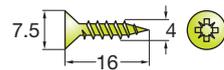


Cam adjustable linear mounting plate
→ see page 1.37



Face frame adapter plate
→ see page 1.39

Hinge cup screws
If not pre-mounted



820.6328.050

10000 Pcs

Accessories



Cover caps for hinge arm
→ see page 1.63

Hinge angle restrictor
→ see page 1.61

Legend of hinge cup symbols



Screw-on ready
→ screws



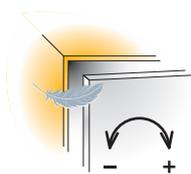
Machine insertion ready



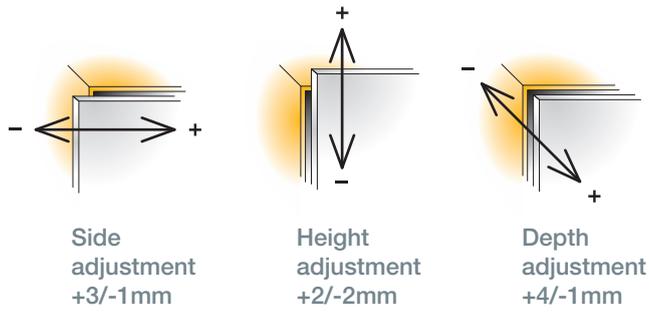
EasyFix system



Damping adjustment



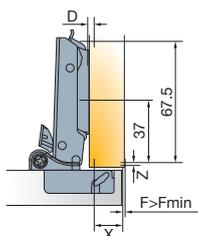
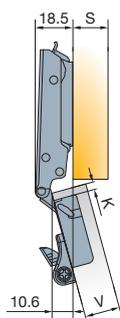
Door adjustment



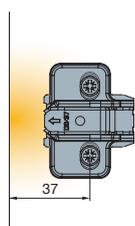
For further explanation → see page 1.17

For further explanation → see pages 1.14-1.16

Mounting details



Mounting plate drilling distance



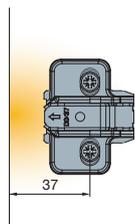
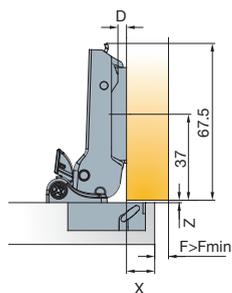
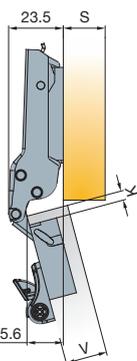
Mounting plate thickness table

For further explanation → see page 1.5

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

$D=13+K-X$

Drawings show application on D=0mm mounting plate



X	8	9	10	11	12	13	14
3	3	2	1	0			
4	4	3	2	1	0		
K							
5		4	3	2	1	0	
6			4	3	2	1	0
							D

$D=8+K-X$

Drawings show application on D=0mm mounting plate

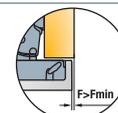
Touch opening solution



Push Latch
→ see page 1.59

Door clearance at R=1mm

For further explanation → see page 1.6

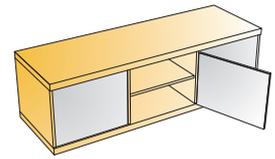
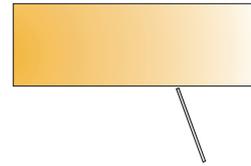
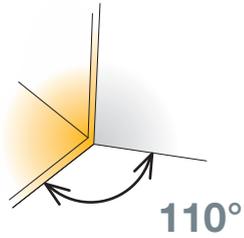


V	16	17	18	19	20	21	22	23	24	25	26
3	0.5	0.7	0.8	1	1.2	1.5	1.7	2.1	2.8	4.1	5.5
4	0.4	0.7	0.8	1	1.2	1.5	1.7	2.1	2.3	3.1	4.5
K											
5	0.4	0.6	0.7	0.9	1.1	1.4	1.6	2	2.2	2.6	3.5
6	0.4	0.6	0.7	0.9	1.1	1.4	1.6	2	2.2	2.6	2.9
											F _{MIN}

Gap Z_{MIN}=0

T-type-i 110

For wood doors



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

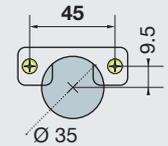
110°
35mm
12mm
3Way snap-on



Technical details

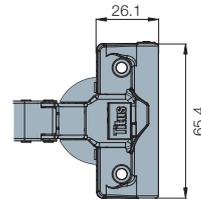
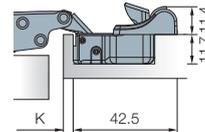
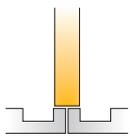
Cup type

Interaxis
45mm



Item number

Cranking
9mm



150 Pcs

Made of steel



701.OCT0.054



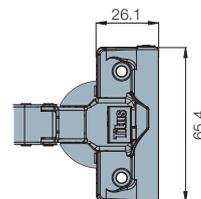
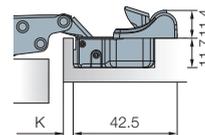
701.OCT1.054



701.OCT4.054

Drilling patterns for hinge cups
→ see page 1.9

Cranking
17mm



150 Pcs

Made of steel



701.0DT0.054



701.0DT1.054



701.0DT4.054

Drilling patterns for hinge cups
→ see page 1.9

Mounting plates



Cam adjustable cruciform mounting plate
→ see page 1.37



Cruciform mounting plate
→ see page 1.39



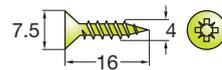
Cam adjustable linear mounting plate
→ see page 1.37



Face frame adapter plate
→ see page 1.39

Hinge cup screws

If not pre-mounted



820.6328.050

10000 Pcs

Accessories



Cover caps for hinge arm
→ see page 1.63



Hinge angle restrictor
→ see page 1.61

Legend of hinge cup symbols



Screw-on ready
→ screws



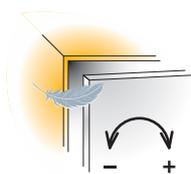
Machine insertion ready



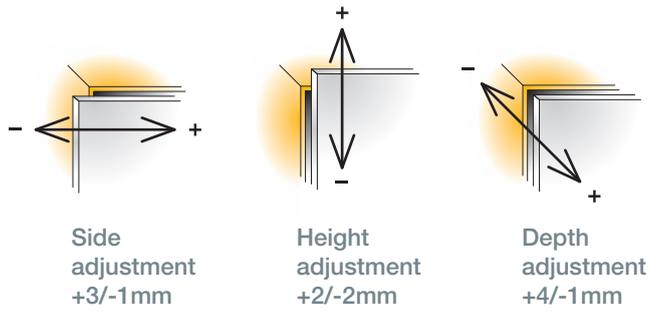
EasyFix system



Damping adjustment



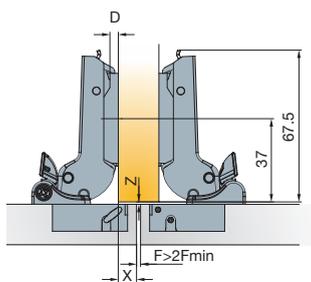
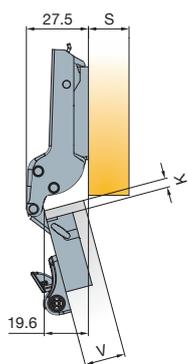
Door adjustment



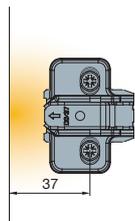
For further explanation → see page 1.17

For further explanation → see pages 1.14-1.16

Mounting details



Mounting plate drilling distance

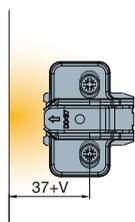
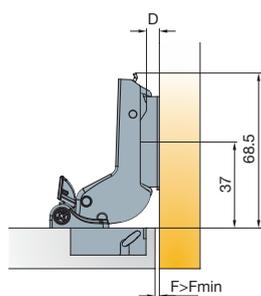
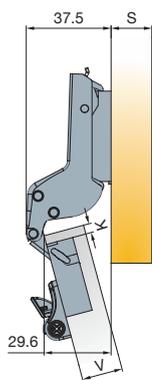


Mounting plate thickness table
For further explanation → see page 1.5

X	4	5	6	7	8	9	10
3	3	2	1	0			
4	4	3	2	1	0		
5		4	3	2	1	0	
6			4	3	2	1	0

$D=4+K-X$

Drawings show application on D=0mm mounting plate



V	16	17	18	19	20	21	22	23	24
3	0	0	0	0	1	1	1	1	2
4	1	1	1	1	2	2	2	2	3
5	2	2	2	2	3	3	3	3	4
6	3	3	3	3	4	4	4	4	D

$D=-4+K+F$

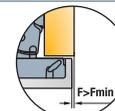
Drawings show application on D=2mm mounting plate

Touch opening solution



Push Latch
→ see page 1.59

Door clearance at R=1mm
For further explanation → see page 1.6

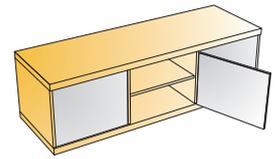
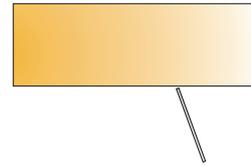
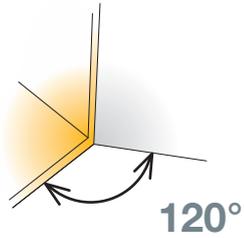


V	16	17	18	19	20	21	22	23	24	25	26
3	0.5	0.7	0.8	1	1.2	1.5	1.7	2.1	2.8	4.1	5.5
4	0.4	0.7	0.8	1	1.2	1.5	1.7	2.1	2.3	3.1	4.5
5	0.4	0.6	0.7	0.9	1.1	1.4	1.6	2	2.2	2.6	3.5
6	0.4	0.6	0.7	0.9	1.1	1.4	1.6	2	2.2	2.6	2.9

Gap $Z_{MIN}=0$

T-type-i 120

For wood doors



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

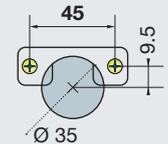
120°
35mm
12mm
3Way snap-on



Technical details

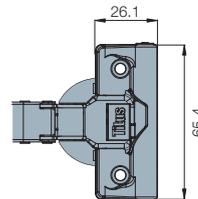
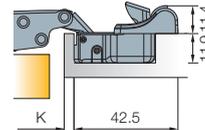
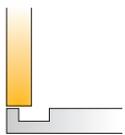
Cup type

Interaxis
45mm



Item number

Cranking
0mm



701.0UT0.054



701.0UT1.054



701.0UT4.054

Drilling patterns for hinge cups
→ see page 1.9

150 Pcs

Made of steel

Mounting plates



Cam adjustable cruciform mounting plate
→ see page 1.37



Cruciform mounting plate
→ see page 1.39



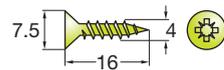
Cam adjustable linear mounting plate
→ see page 1.37



Face frame adapter plate
→ see page 1.39

Hinge cup screws

If not pre-mounted



820.6328.050

10000 Pcs

Accessories



Cover caps for hinge arm
→ see page 1.63

Legend of hinge cup symbols



Screw-on ready
→ screws



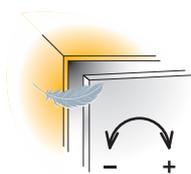
Machine insertion ready



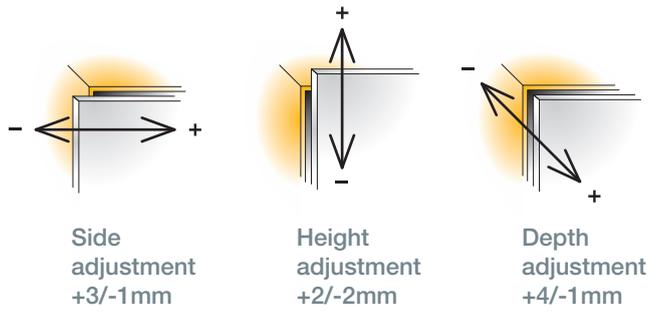
EasyFix system



Damping adjustment



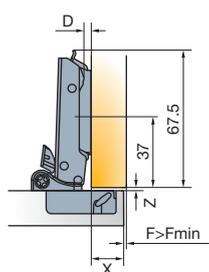
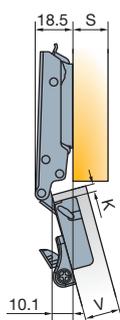
Door adjustment



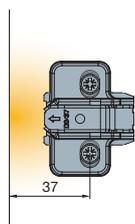
For further explanation → see page 1.17

For further explanation → see pages 1.14-1.16

Mounting details



Mounting plate drilling distance



Mounting plate thickness table

For further explanation → see page 1.5

X	13	14	15	16	17	18	19
3	3	2	1	0			
4	4	3	2	1	0		
K		4	3	2	1	0	
6			4	3	2	1	0

$D=13+K-X$

Drawings show application on D=0mm mounting plate

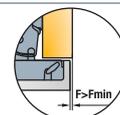
Touch opening solution



Push Latch
→ see page 1.59

Door clearance at R=1mm

For further explanation → see page 1.6

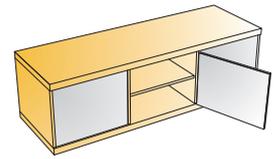
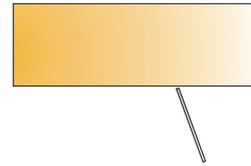
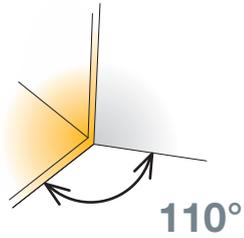


V	16	17	18	19
3	1.1	0.4	0	0
K	4	2	1.4	0.7
5	3	2.3	1.6	1

Gap Z_{MIN} = 2

T-type 110

For wood doors



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

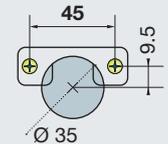
110°
35mm
12mm
3Way snap-on



Technical details

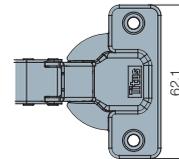
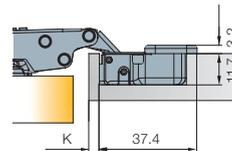
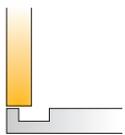
Cup type

Interaxis
45mm



Item number

Cranking
0mm



702.0AK0.054



702.0AK1.054



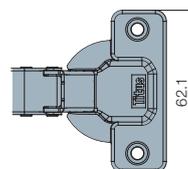
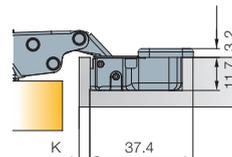
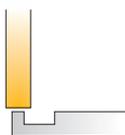
702.0AK4.054

Drilling patterns for hinge cups
→ see page 1.9

150 Pcs

Made of steel

Cranking
5mm



702.0BK0.054



702.0BK1.054



702.0BK4.054

Drilling patterns for hinge cups
→ see page 1.9

150 Pcs

Made of steel

Mounting plates



Cam adjustable cruciform mounting plate
→ see page 1.37



Cruciform mounting plate
→ see page 1.39



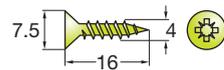
Cam adjustable linear mounting plate
→ see page 1.37



Face frame adapter plate
→ see page 1.39

Hinge cup screws

If not pre-mounted



820.6328.050

10000 Pcs

Accessories



Cover caps for hinge arm
→ see page 1.63

Hinge angle restrictor
→ see page 1.61

Legend of hinge cup symbols



Screw-on ready
→ screws



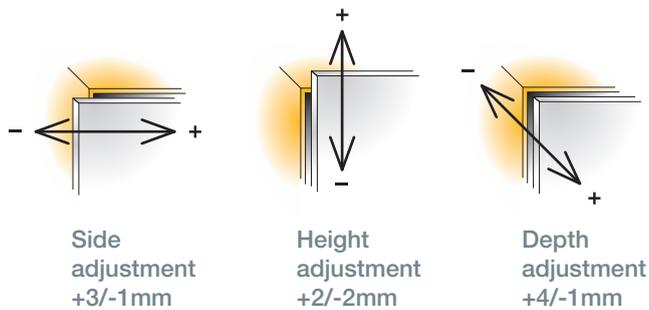
Machine insertion ready



EasyFix system

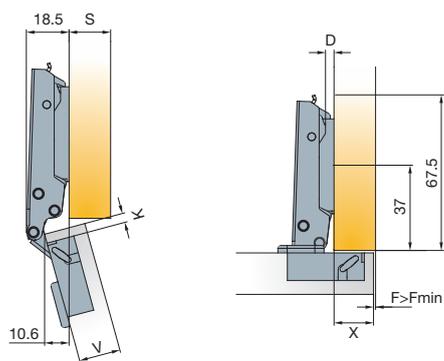


Door adjustment



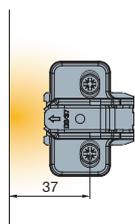
For further explanation → see pages 1.14-1.16

Mounting details



Drawings show application on D=0mm mounting plate

Mounting plate drilling distance

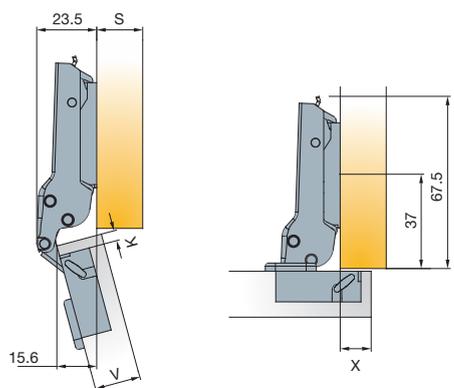


Mounting plate thickness table

For further explanation → see page 1.5

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

$D=13+K-X$



Drawings show application on D=0mm mounting plate

x	8	9	10	11	12	13	14
3	3	2	1	0			
4	4	3	2	1	0		
K							
5		4	3	2	1	0	
6			4	3	2	1	0
							D

$D=8+K-X$

Soft closing systems



Glissando TT
→ see page 2.5

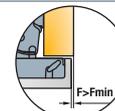
Touch opening solution



Push Latch
→ see page 1.59

Door clearance at R=1mm

For further explanation → see page 1.6

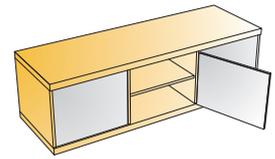
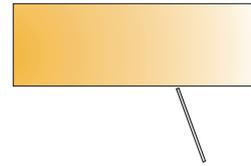
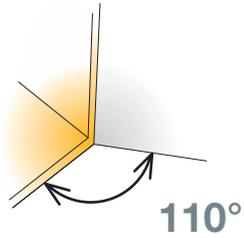


V	16	17	18	19	20	21	22	23	24	25	26
3	0.5	0.7	0.8	1	1.2	1.5	1.7	2.1	2.8	4.1	5.5
4	0.4	0.7	0.8	1	1.2	1.5	1.7	2.1	2.3	3.1	4.5
K											
5	0.4	0.6	0.7	0.9	1.1	1.4	1.6	2	2.2	2.6	3.5
6	0.4	0.6	0.7	0.9	1.1	1.4	1.6	2	2.2	2.6	2.9
											F _{MIN}

Gap Z_{MIN}=0

T-type 110

For wood doors



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

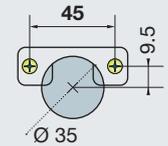
110°
35mm
12mm
3Way snap-on



Technical details

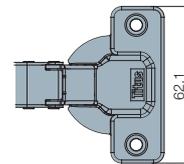
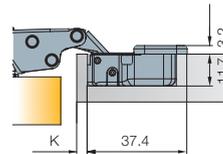
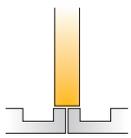
Cup type

Interaxis
45mm



Item number

Cranking
9mm



702.0CK0.054



702.0CK1.054



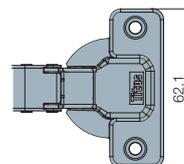
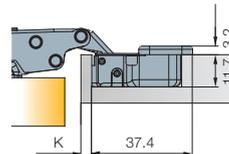
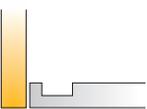
702.0CK4.054

Drilling patterns for hinge cups
→ see page 1.9

150 Pcs

Made of steel

Cranking
17mm



702.0DK0.054



702.0DK1.054



702.0DK4.054

Drilling patterns for hinge cups
→ see page 1.9

150 Pcs

Made of steel

Mounting plates



Cam adjustable cruciform mounting plate
→ see page 1.37



Cruciform mounting plate
→ see page 1.39



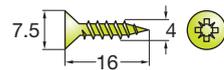
Cam adjustable linear mounting plate
→ see page 1.37



Face frame adapter plate
→ see page 1.39

Hinge cup screws

If not pre-mounted



820.6328.050

10000 Pcs

Accessories



Cover caps for hinge arm
→ see page 1.63



Hinge angle restrictor
→ see page 1.61

Legend of hinge cup symbols



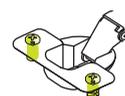
Screw-on ready
→ screws



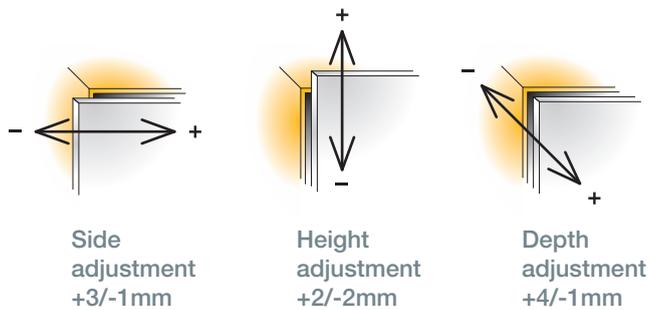
Machine insertion ready



EasyFix system

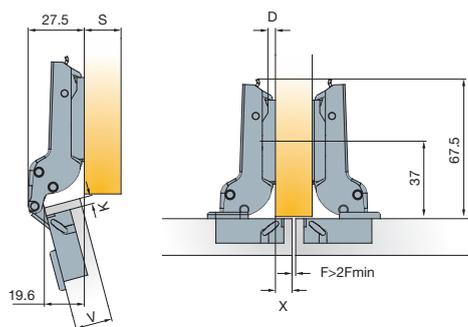


Door adjustment



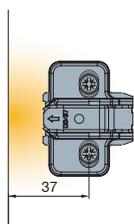
For further explanation → see pages 1.14-1.16

Mounting details



Drawings show application on D=0mm mounting plate

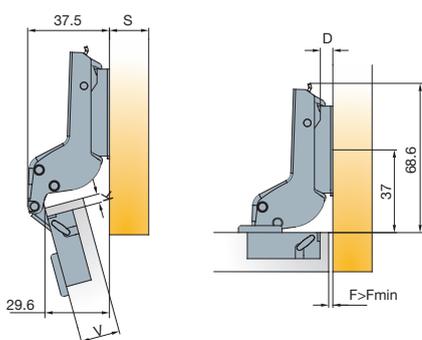
Mounting plate drilling distance



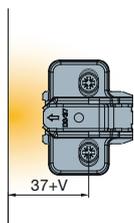
Mounting plate thickness table
For further explanation → see page 1.5

X	4	5	6	7	8	9	10
3	3	2	1	0			
4	4	3	2	1	0		
K							
5		4	3	2	1	0	
6			4	3	2	1	0
							D

$D=4+K-X$



Drawings show application on D=2mm mounting plate



V	16	17	18	19	20	21	22	23	24
3	0	0	0	0	1	1	1	1	2
4	1	1	1	1	2	2	2	2	3
K									
5	2	2	2	2	3	3	3	3	4
6	3	3	3	3	4	4	4	4	
									D

$D=-4+K+F$

Soft closing systems



Glissando TT
→ see page 2.5

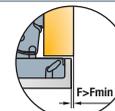
Touch opening solution



Push Latch
→ see page 1.59

Door clearance at R=1mm

For further explanation → see page 1.6

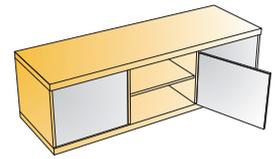
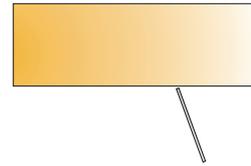
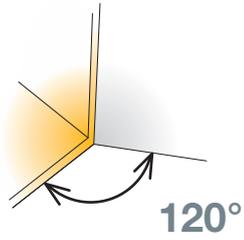


V	16	17	18	19	20	21	22	23	24	25	26
3	0.5	0.7	0.8	1	1.2	1.5	1.7	2.1	2.8	4.1	5.5
4	0.4	0.7	0.8	1	1.2	1.5	1.7	2.1	2.3	3.1	4.5
K											
5	0.4	0.6	0.7	0.9	1.1	1.4	1.6	2	2.2	2.6	3.5
6	0.4	0.6	0.7	0.9	1.1	1.4	1.6	2	2.2	2.6	2.9
											F _{MIN}

Gap Z_{MIN}=0

T-type 120

For wood doors



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

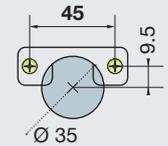
120°
35mm
12mm
3Way snap-on



Technical details

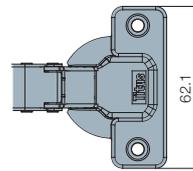
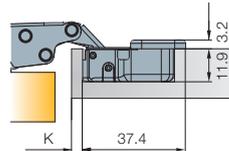
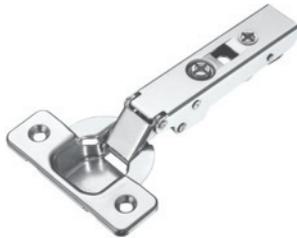
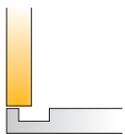
Cup type

Interaxis
45mm



Item number

Cranking
0mm



702.0UK0.054



702.0UK1.054

EasyFix



702.0UK4.054

Drilling patterns for hinge cups
→ see page 1.9

150 Pcs

Made of steel

Mounting plates



Cam adjustable cruciform mounting plate
→ see page 1.37



Cruciform mounting plate
→ see page 1.39

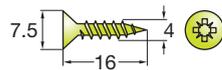


Cam adjustable linear mounting plate
→ see page 1.37



Face frame adapter plate
→ see page 1.39

Hinge cup screws
If not pre-mounted



820.6328.050

10000 Pcs

Accessories



Cover caps for hinge arm
→ see page 1.63

Legend of hinge cup symbols



Screw-on ready
→ screws



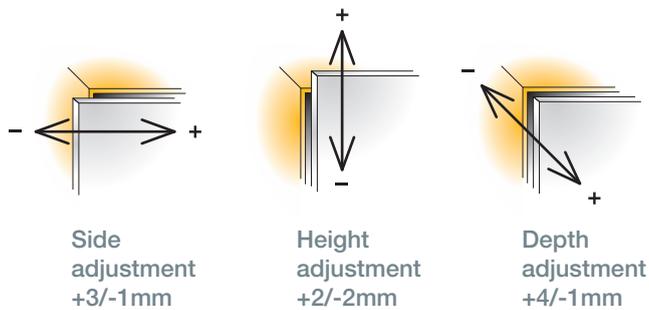
Machine insertion ready



EasyFix system

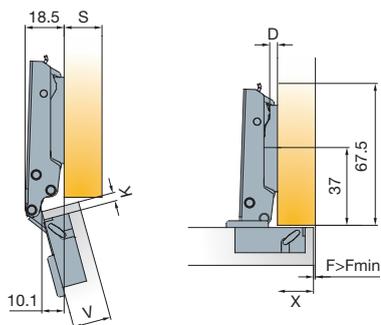


Door adjustment



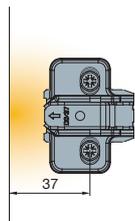
For further explanation → see pages 1.14-1.16

Mounting details



Drawings show application on D=0mm mounting plate

Mounting plate drilling distance



Mounting plate thickness table

For further explanation → see page 1.5

X	13	14	15	16	17	18	19
3	3	2	1	0			
4	4	3	2	1	0		
K		4	3	2	1	0	
6			4	3	2	1	0

$D=13+K-X$

Soft closing systems



Glissando TT
→ see page 2.5

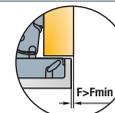
Touch opening solution



Push Latch
→ see page 1.59

Door clearance at R=1mm

For further explanation → see page 1.6

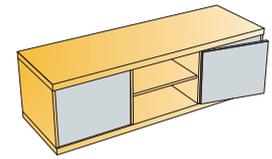
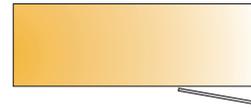
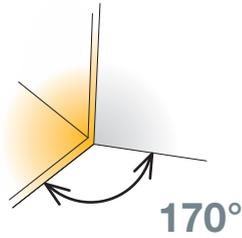


V	16	17	18	19
3	1.1	0.4	0	0
K	4	2	1.4	0.7
5	3	2.3	1.6	1

Gap Z_{MIN} =2

T-type 170

For wood doors



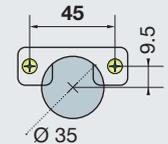
- Opening angle
- Drilling diameter for hinge cup
- Drilling depth
- Hinge on plate mounting system

170°
35mm
12mm
3Way snap-on



Technical details

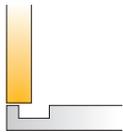
Interaxis
45mm



Cup type

Item number

Cranking
0mm



702.0EK0.054



702.0EK1.054



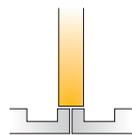
702.0EK4.054

Drilling patterns for hinge cups
→ see page 1.9

50 Pcs

Made of steel and zinc

Cranking
9mm



702.0GK0.054



702.0GK1.054



702.0GK4.054

Drilling patterns for hinge cups
→ see page 1.9

50 Pcs

Made of steel and zinc

Mounting plates



Cam adjustable cruciform mounting plate
→ see page 1.37



Cruciform mounting plate
→ see page 1.39



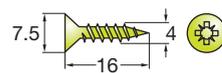
Cam adjustable linear mounting plate
→ see page 1.37



Face frame adapter plate
→ see page 1.39

Hinge cup screws

If not pre-mounted



820.6328.050

10000 Pcs

Accessories



Hinge angle restrictor
→ see page 1.61

Legend of hinge cup symbols



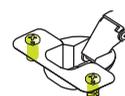
Screw-on ready
→ screws



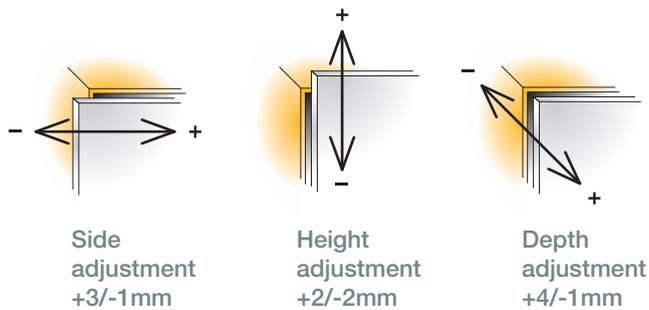
Machine insertion ready



EasyFix system

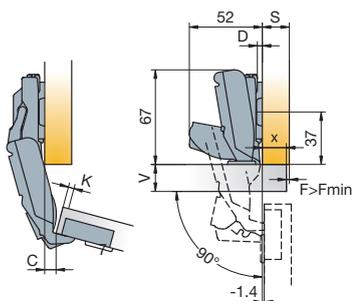


Door adjustment



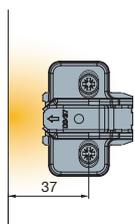
For further explanation → see pages 1.14-1.16

Mounting details



Drawings show application on D=0mm mounting plate
No door protrusion in 90° position

Mounting plate drilling distance

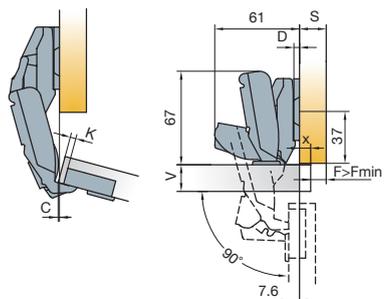


Mounting plate thickness table

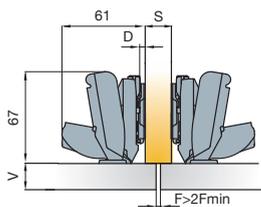
For further explanation → see page 1.5

X	13	14	15	16	17	18	19
3	3	2	1	0			
4	4	3	2	1	0		
5		4	3	2	1	0	
6			4	3	2	1	0

$D=13+K-X$



Drawings show application on D=0mm mounting plate



Drawing show application on D=0mm mounting plate

X 1 2 3 4 5 6 7 8 9 10 11

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

$D=4+K-X$

Soft closing systems



Glissando TL 170
→ see page 2.7

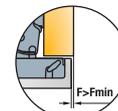
Touch opening solution



Push Latch
→ see page 1.59

Door clearance at R=1mm

For further explanation → see page 1.6

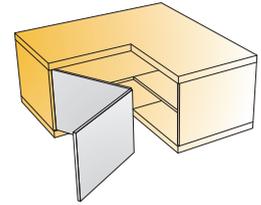


V	16	17	18	19	20	21	22	23	24
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1

Gap $Z_{MIN}=0.5$

T-type for Pie-cut Corner Cabinet

For wood doors

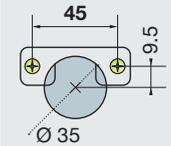


- Opening angle
- Drilling diameter for hinge cup
- Drilling depth
- Hinge on plate mounting system

70°
35mm
11mm
3Way snap-on



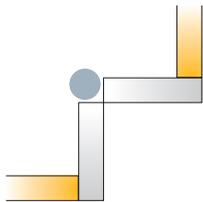
Interaxis
45mm



Cup type

Item number

Corner cabinet



721.0PK0.650

EasyFix



721.0PK4.650

Drilling patterns for hinge cups
→ see page 1.9

100 Pcs

Cup made of zinc, arm made of steel

Mounting plates



Cam adjustable cruciform mounting plate
→ see page 1.37

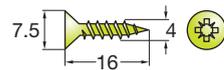


Cruciform mounting plate
→ see page 1.39



Cam adjustable linear mounting plate
→ see page 1.37

Hinge cup screws If not pre-mounted



820.6328.050

10000 Pcs

Accessories



Cover caps for hinge arm
→ see page 1.63

Legend of hinge cup symbols



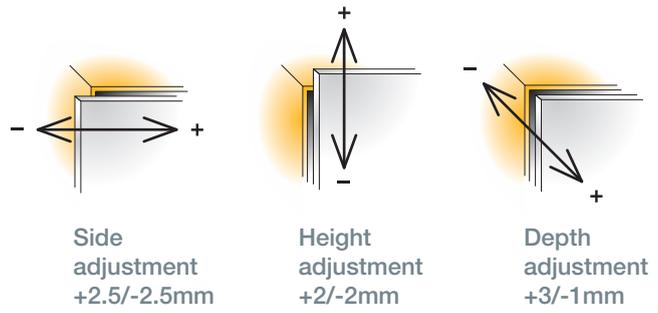
Screw-on ready
→ screws



EasyFix

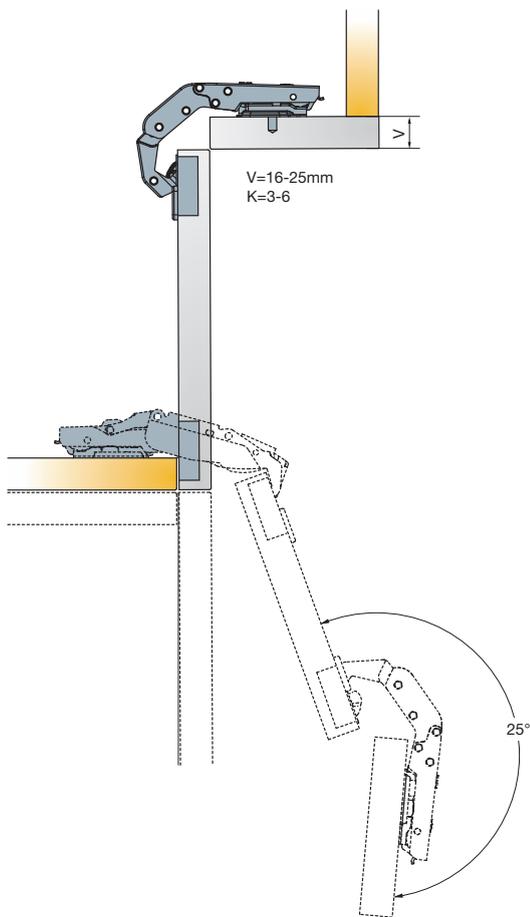


Door adjustment

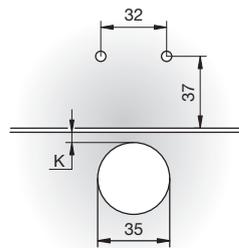


For further explanation → see pages 1.14-1.16

Mounting details

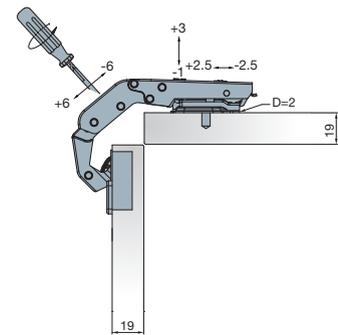


Mounting plate drilling distance

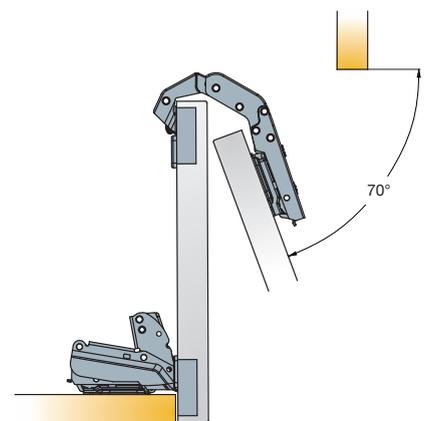


Any T-type mounting plate can be used

Adjustments



The adjustment of the gap between two doors is done by rotating the adjustment screw as shown on the drawing



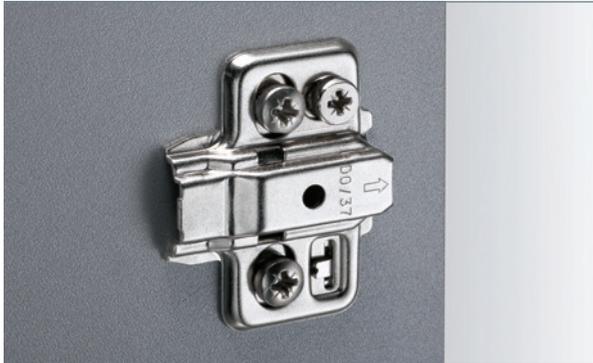
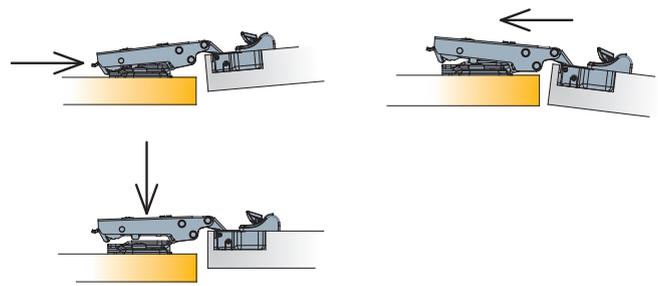
Touch opening solution



Push Latch
→ see page 1.59

T-type Mounting Plates

3Way snap-on mounting

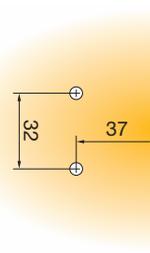


Cam adjustable cruciform mounting plate 37mm

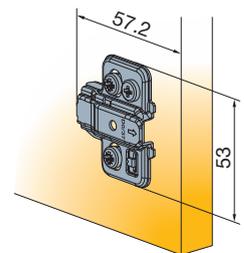


150 Pcs Made of steel

Drilling pattern



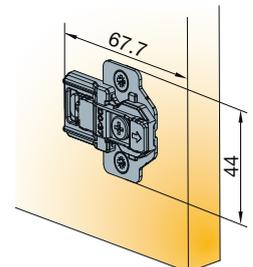
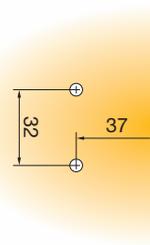
Dimensions



Cam adjustable cruciform mounting plate



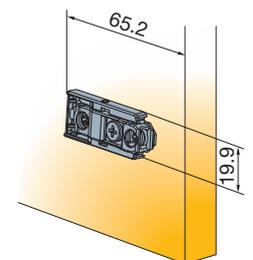
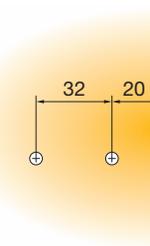
150 Pcs Made of steel



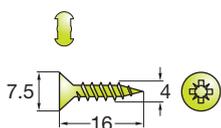
Cam adjustable linear mounting plate



150 Pcs Made of steel and zinc



Fixing screw for cruciform mounting plate
If not pre-mounted

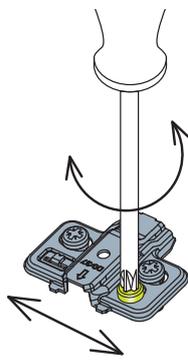


Chipboard screws
820.6328.050

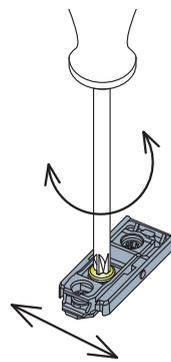
10000 Pcs



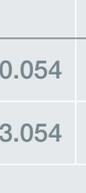
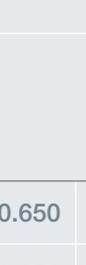
Mounting plate thickness



Height adjustment +2/-2mm



Height adjustment +2/-2mm

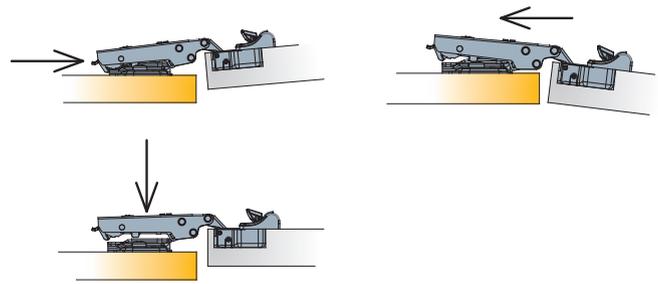
Mounting plate type		 15		 10.5	 15		
Mounting plate thickness (D)						no pre-drilling required	
Item number							
0mm	700.0NA0.054	700.0KC0.054	700.0KB0.054	700.0KF0.054	700.0KA0.054		
3mm	700.0NA3.054	700.0KC3.054	700.0KB3.054	700.0KF3.054	700.0KA3.054		
0mm	700.0625.650						
3mm	700.0667.650						
0mm		700.0LC0.650	700.0LB0.650	700.0LF0.650			
2mm		700.0LC2.650	700.0LB2.650	700.0LF2.650			
3mm		700.0LC3.650	700.0LB3.650	700.0LF3.650			

Legend of mounting plate type symbols

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

T-type Mounting Plates

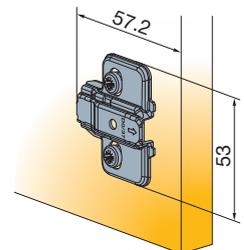
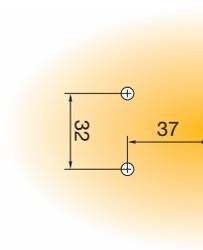
3Way snap-on mounting



Cruciform mounting plate 37mm

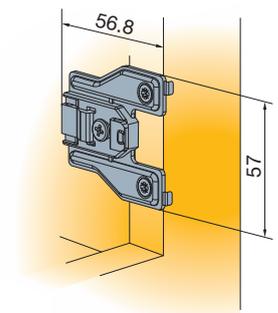
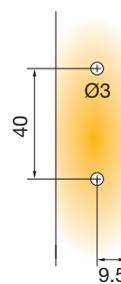
Drilling pattern

Dimensions



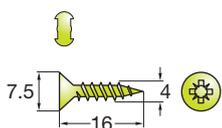
150 Pcs Made of steel

Cam adjustable
face frame mounting plate



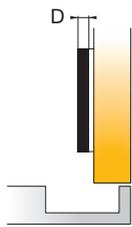
150 Pcs Made of steel and zinc

Fixing screw for cruciform mounting plate
If not pre-mounted

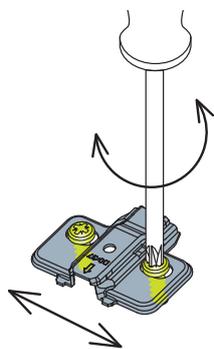


Chipboard screws
820.6328.050

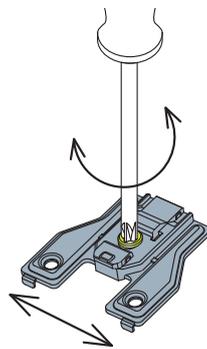
10000 Pcs



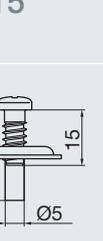
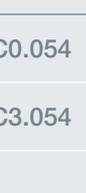
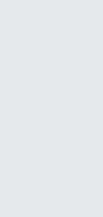
Mounting plate thickness



Height adjustment +2/-2mm



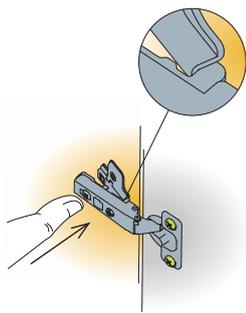
Height adjustment +2/-2mm

Mounting plate type		 15		 10.5	 14.5		
Mounting plate thickness (D)							
Item number							
0mm	700.0NA0.054	700.0NC0.054	700.0NB0.054	700.0NF0.054	700.0NE0.054		
3mm	700.0NA3.054	700.0NC3.054	700.0NB3.054	700.0NF3.054	700.0NE3.054		
0mm						700.0KW0.054	
3mm						700.0KW3.054	

Legend of mounting plate type symbols

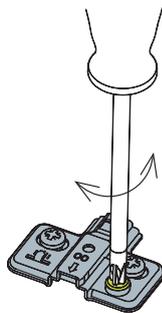
	 15		 10.5	 15	 14.5
Screw-on ready for chipboard screws ← screws	Pre-mounted 15mm euro screws	Machine insertion ready	Pre-mounted 10.5mm expanding dowels	Pre-mounted chipboard screw	Pre-mounted chipboard screw
					

S-type Hinges



Snap-on mounting system

- Easy and quick assembly and disassembly
- Flexibility for the furniture user
- Tight hinge-to-plate joint improves hinge stability and reduces door sag



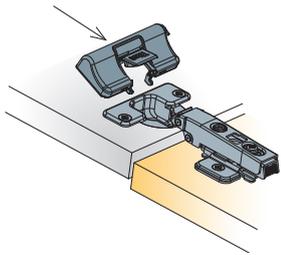
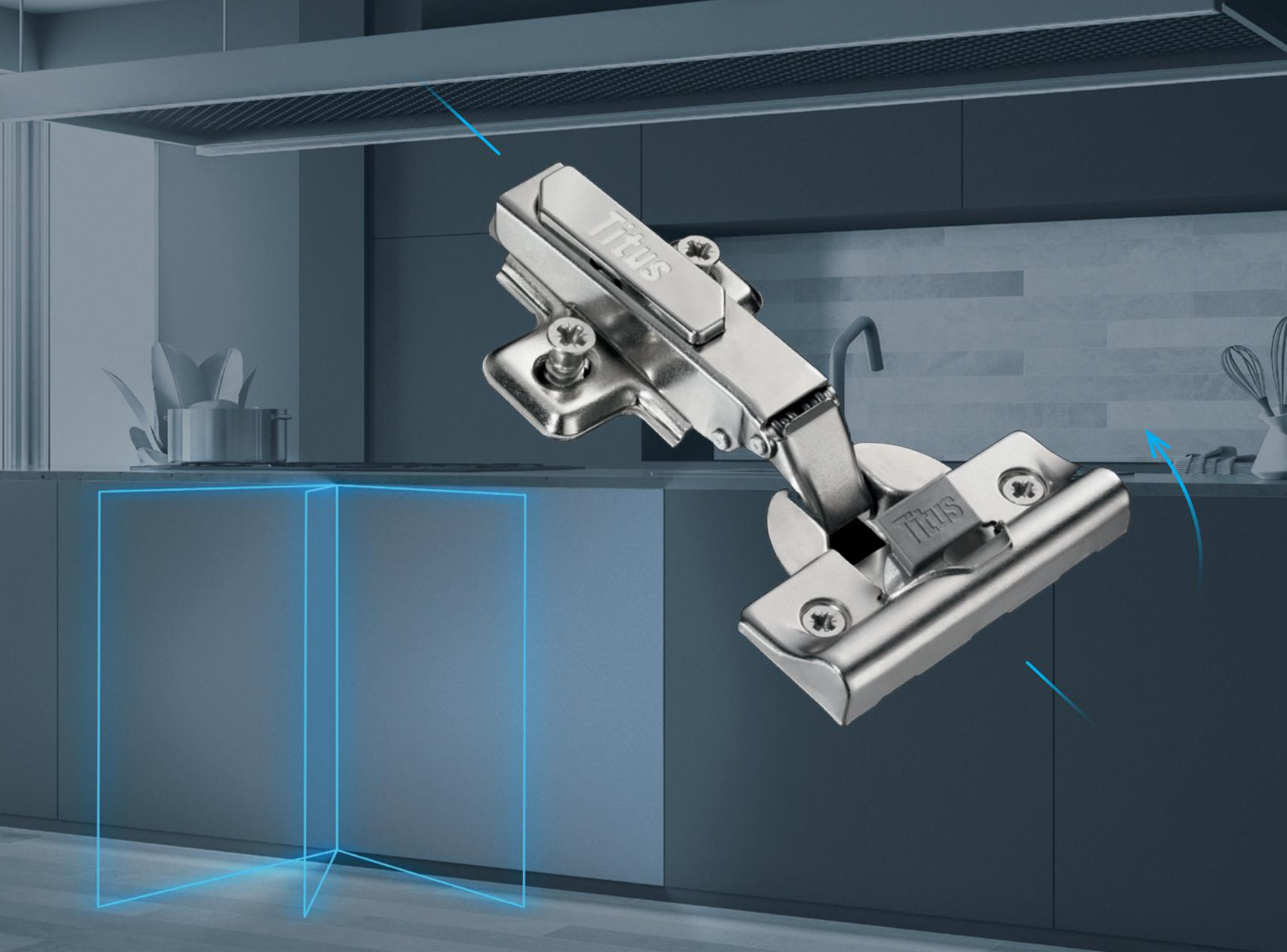
Easily accessible height adjustment with cam

- Intuitive and quick height adjustment
- Consumer friendly



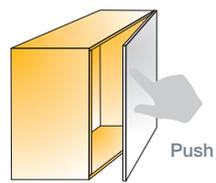
ConfidentClose

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



Soft closing options

- Hinge integrated
- Add-on with Glissando ready hinge cup
- Stand-alone

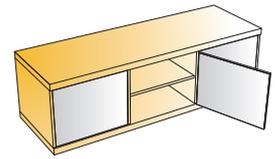
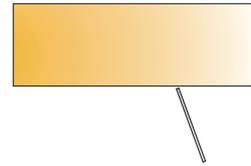
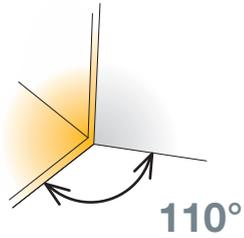


Touch opening

- Guarantees effortless opening
- Elegant cabinet design
- Doors without handles

S-type 110

For wood doors



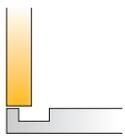
- Opening angle
- Drilling diameter for hinge cup
- Drilling depth
- Hinge on plate mounting system

110°
35mm
11.5mm
snap-on



	Interaxis 45mm
Cup type	Item number

Cranking
0mm



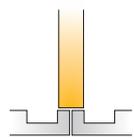
200 Pcs

Made of steel

	248.0535.050
	248.0171.050
	248.0186.050

Drilling patterns for hinge cups
→ see page 1.9

Cranking
9mm



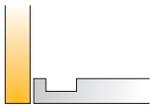
200 Pcs

Made of steel

	248.0536.050
	248.0279.050
	248.0482.050

Drilling patterns for hinge cups
→ see page 1.9

Cranking
15mm



200 Pcs

Made of steel

	248.0537.050
	248.0280.050
	248.0487.050

Drilling patterns for hinge cups
→ see page 1.9

Mounting plates



Cam adjustable cruciform mounting plate
→ see page 1.51

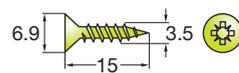


Cruciform mounting plate
→ see page 1.53



Face frame adapter
→ see page 1.55

Hinge cup screws If not pre-mounted



820.6308.050

10000 Pcs

Accessories



Cover caps for hinge arm
→ see page 1.63



Hinge angle restrictor
→ see page 1.61

Legend of hinge cup symbols

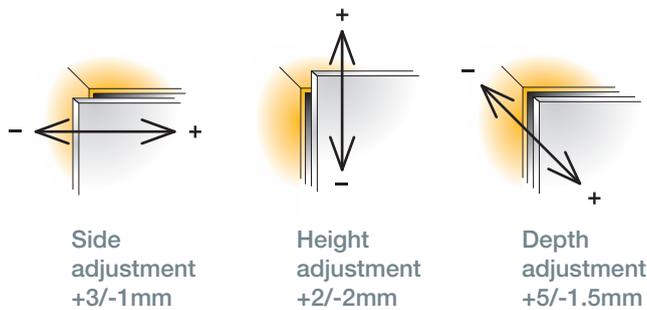
Screw-on ready
→ screws

Machine insertion ready

EasyFix system

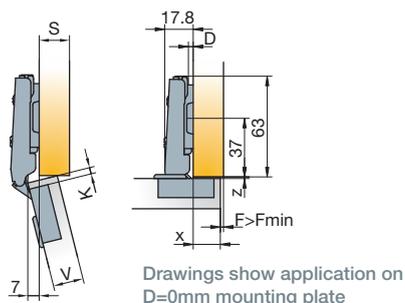


Door adjustment

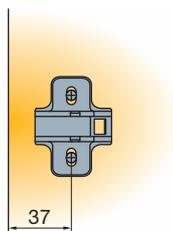


For further explanation → see pages 1.14-1.16

Mounting details



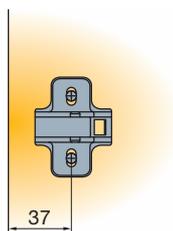
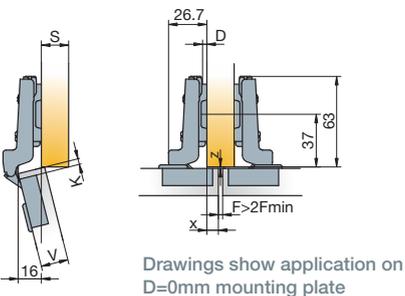
Mounting plate drilling distance



Mounting plate thickness table
For further explanation → see page 1.5

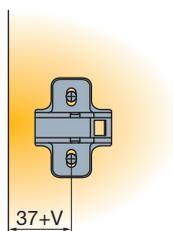
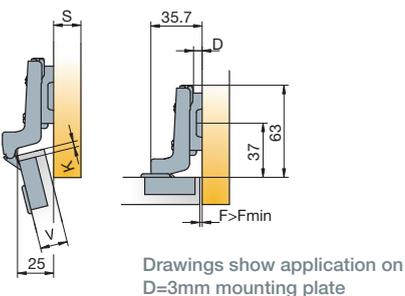
X	13	14	15	16	17	18
3	3	2	1	0		
K	4	3	2	1	0	
5			3	2	1	0

$D=13+K-X$



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

$D=4+K-X$



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

$D=-2+K-F$

Soft closing systems



Glissando TL3
→ see page 2.5

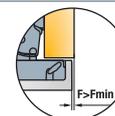
Touch opening solution



Push Latch
→ see page 1.59

Door clearance

For further explanation → see page 1.6

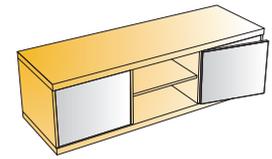
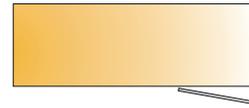
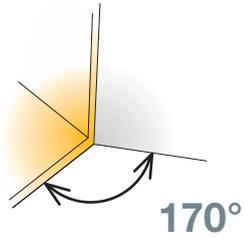


V	16	17	18	19	20	21	22
3	0.3	0.5	0.7	1.0	1.3	1.7	2.5
K	4	0.3	0.5	0.7	0.9	1.2	1.6
5	0.3	0.5	0.7	0.9	1.2	1.5	2.0

Gap Z_{MIN}=0

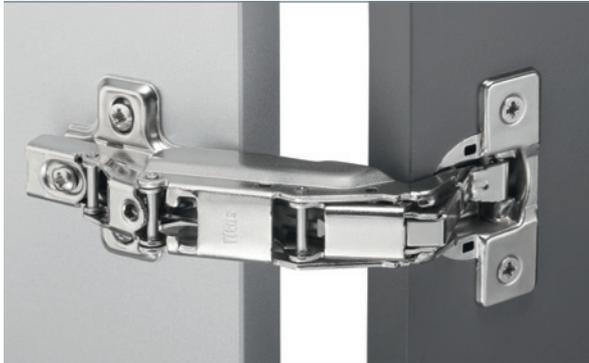
S-type 170

For wood doors

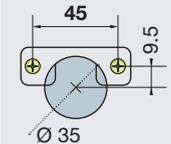


- Opening angle
- Drilling diameter for hinge cup
- Drilling depth
- Hinge on plate mounting system

170°
35mm
12mm
snap-on



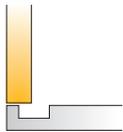
Interaxis
45mm



Cup type

Item number

Cranking
0mm



248.0R14.050



248.0M73.050

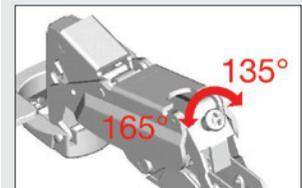
Drilling patterns for hinge cups
→ see page 1.9

Made of steel and zinc

Cranking
0mm
With adjustable
opening angle

248.0R18.050

Drilling patterns for hinge cups
→ see page 3.15
* Available upon special request
→ see page 0.3



Adjustable opening
angle 135°

50 Pcs

Made of steel and zinc

Mounting plates



Cam adjustable cruciform
mounting plate
→ see page 1.51



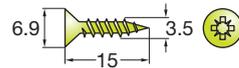
Cruciform mounting plate
→ see page 1.53



Face frame adapter
→ see page 1.55

Hinge cup screws

If not pre-mounted



820.6308.050

10000 Pcs

Accessories



Hinge angle restrictor
→ see page 1.61

Legend of hinge cup symbols



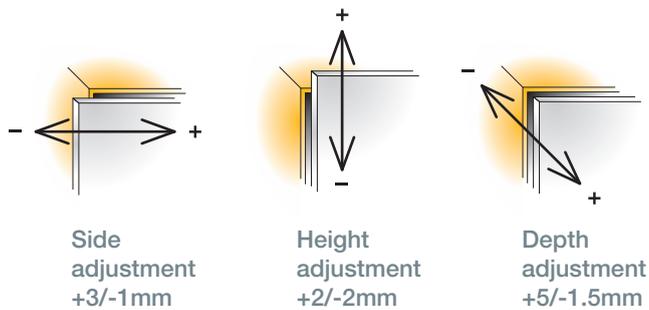
Screw-on
ready
→ screws



Machine insertion
ready



Door adjustment

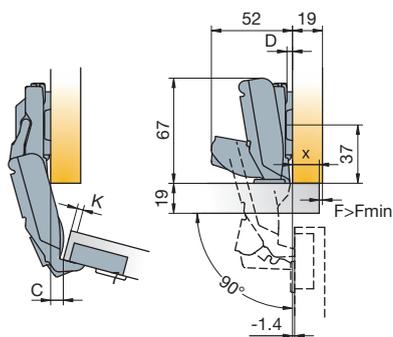


For further explanation → see pages 1.14-1.16

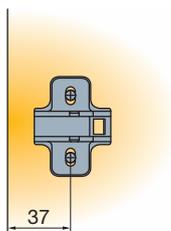
Mounting details

Mounting plate drilling distance

Mounting plate thickness table
For further explanation → see page 1.5



Drawings show application on D=0mm mounting plate
No protrusion in 90° position



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

$D=13+K-X$

C value with D=0 mounting plates

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

Soft closing systems



Glissando TL 170
→ see page 2.7

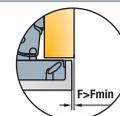
Touch opening solution



Push Latch
→ see page 1.59

Door clearance

For further explanation → see page 1.6

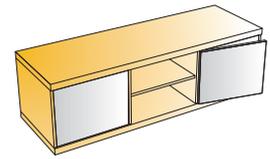
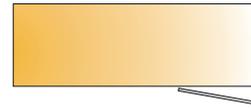
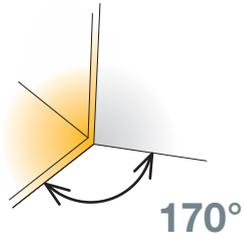


V	16	17	18	19	20	21	22	23	24
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
K 5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1 F _{MIN}

Gap Z_{MIN}=0.5

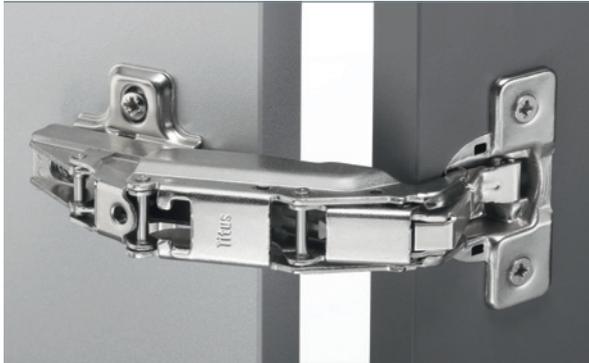
S-type 170

For wood doors

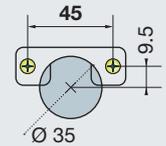


- Opening angle
- Drilling diameter for hinge cup
- Drilling depth
- Hinge on plate mounting system

170°
35mm
12mm
snap-on



Interaxis
45mm



Cup type

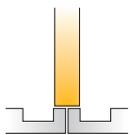
Item number



248.0162.050

Drilling patterns for hinge cups → see page 1.9

Cranking
9mm



50 Pcs

Made of steel and zinc

Mounting plates



Cam adjustable cruciform mounting plate
→ see page 1.51



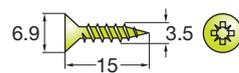
Cruciform mounting plate
→ see page 1.53



Face frame adapter
→ see page 1.55

Hinge cup screws

If not pre-mounted



820.6308.050

10000 Pcs

Accessories



Hinge angle restrictor
→ see page 1.61

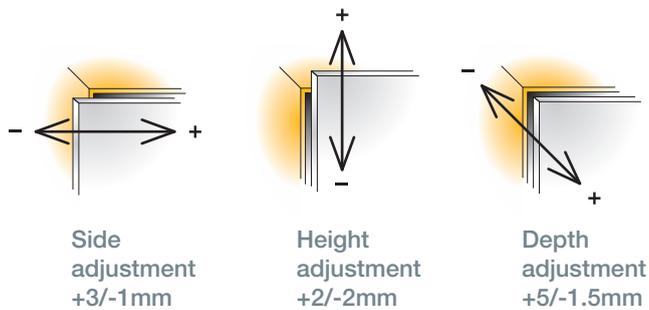
Legend of hinge cup symbols



Screw-on ready
→ screws

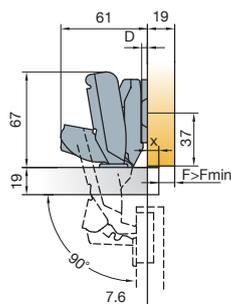
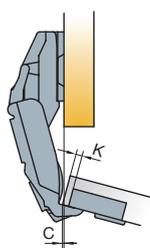


Door adjustment

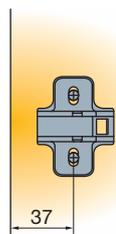


For further explanation → see pages 1.14-1.16

Mounting details



Mounting plate drilling distance



Mounting plate thickness table

For further explanation → see page 1.5

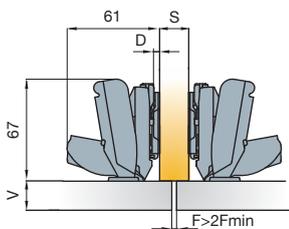
X	1	2	3	4	5	6	7	8	9	10	11
3	6			3	2	1	0				
4		6			3	2	1	0			
K 5			6			3	2	1	0		
6				6			3	2	1	0	
7					6			3	2	1	0

$D=4+K-X$

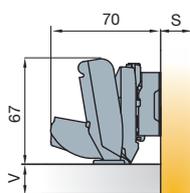
C value with D=0 mounting plates

K	3	4	5	6	7
C	0	0.9	1.9	2.9	3.8

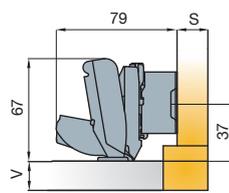
Drawings show application on D=0mm mounting plate



Drawing shows application on D=0mm mounting plate



Drawing shows application on D=9mm mounting plate



Drawing shows application on D=18mm mounting plate

Soft closing systems



Glissando TL 170
→ see page 2.7

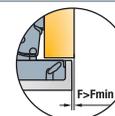
Touch opening solution



Push Latch
→ see page 1.59

Door clearance

For further explanation → see page 1.6



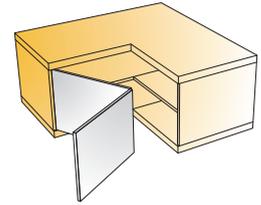
V	16	17	18	19	20	21	22	23	24
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
K 5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1 F _{MIN}

Gap Z_{MIN}=0.5

S-type

for Pie-cut Corner Cabinet

For wood doors

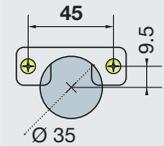


- Opening angle
- Drilling diameter for hinge cup
- Drilling depth
- Hinge on plate mounting system

90°
35mm
11.5mm
snap-on



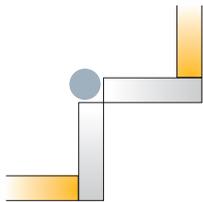
Interaxis
45mm



Cup type

Item number

Corner cabinet



248.0U21.050



248.0U22.050

Drilling patterns for hinge cups → see page 1.9



100 Pcs

Cup made of steel, arm made of zinc

Mounting plates



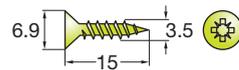
Cam adjustable cruciform mounting plate
→ see page 1.51



Cruciform mounting plate
→ see page 1.53

Hinge cup screws

If not pre-mounted



820.6308.050

10000 Pcs

Accessories



Cover caps for hinge arm
→ see page 1.63

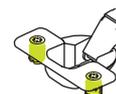
Legend of hinge cup symbols



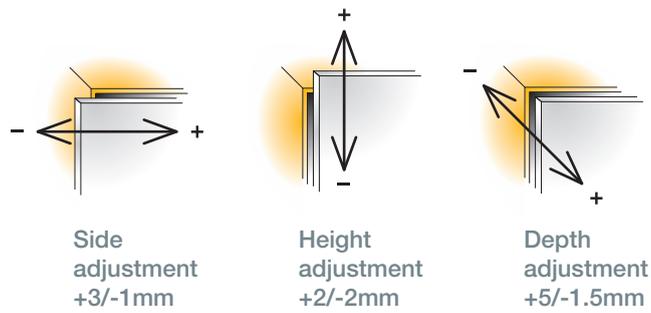
Screw-on ready
→ screws



Machine insertion ready

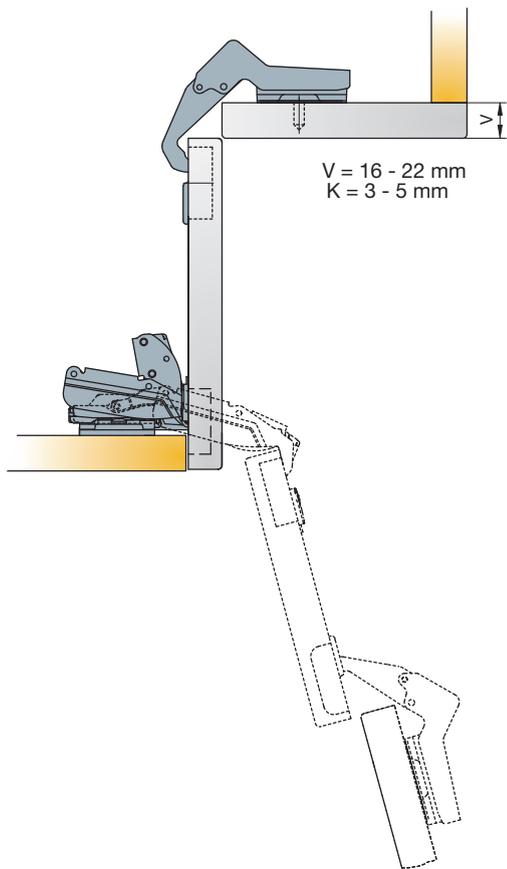


Door adjustment

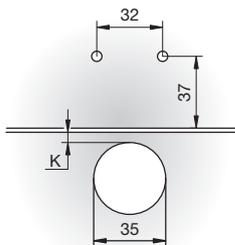


For further explanation → see pages 1.14-1.16

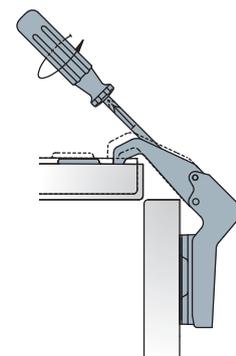
Mounting details



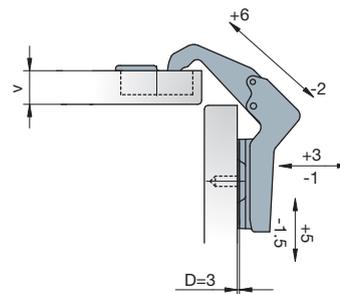
Mounting plate drilling distance



Adjustments



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



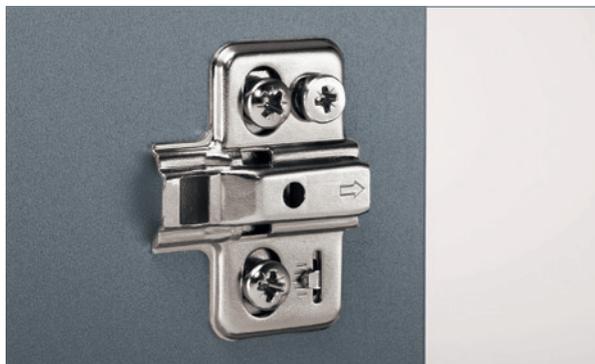
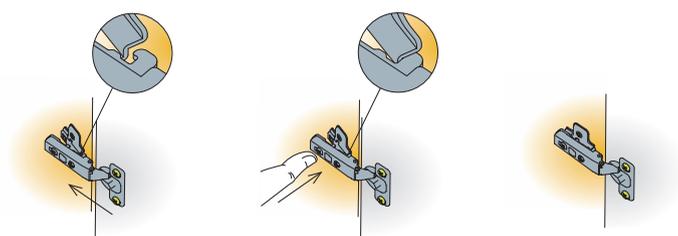
Touch opening solution



Push Latch
→ see page 1.59

S-type Mounting Plates

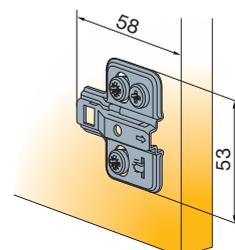
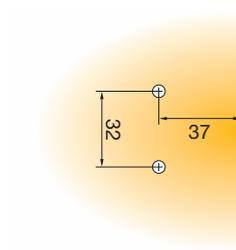
S-type snap-on mounting



Cam adjustable cruciform
mounting plate 37mm

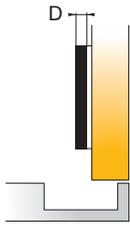
Drilling pattern

Dimensions

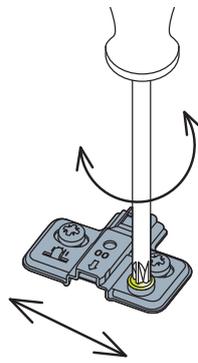


200 Pcs

Made of steel



Mounting plate thickness



Height adjustment +/- 2mm

Mounting plate type	13	15			10.5	
Mounting plate thickness (D)						
Item number						
0mm	244.0258.050	244.0261.050	*244.0264.050	*244.0342.050	244.0270.050	
3mm	244.0260.050	244.0263.050	*244.0266.050	*244.0344.050	244.0272.050	

* Available upon special request → see page 0.3

Legend of mounting plate type symbols



13

Pre-mounted
13mm euro screws



15

Pre-mounted
15mm euro screws



Pre-mounted
chipboard screws

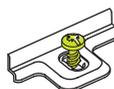


Machine
insertion ready



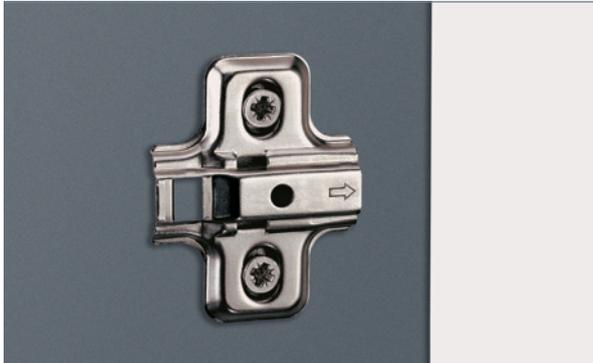
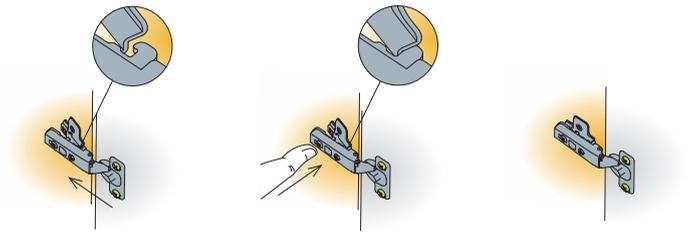
10.5

Pre-mounted
10.5mm
expanding dowels



S-type Mounting Plates

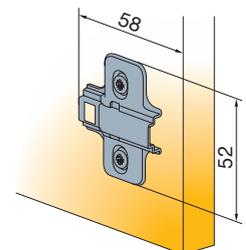
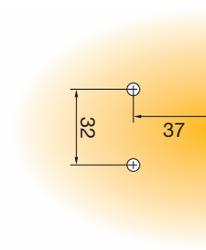
S-type snap-on mounting



Cruciform mounting plate

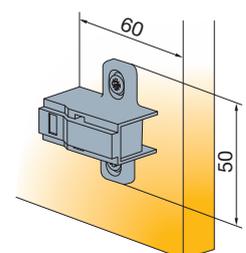
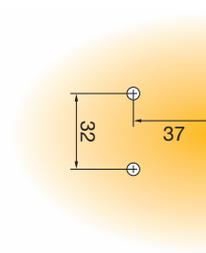
Drilling pattern

Dimensions



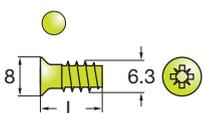
 200 Pcs Made of steel

Zinc diecast cruciform mounting plate 37mm



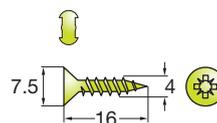
 200 Pcs Made of zinc

Fixing screws for mounting plates
If not pre-mounted



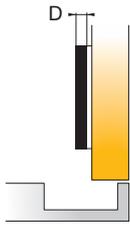
Euro screws
821.6304.050 L=11
821.6323.050 L=13
821.6332.050 L=15

 5000 Pcs

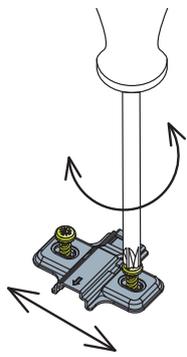


Chipboard screws
820.6328.050

 10000 Pcs



Mounting plate thickness



Height adjustment +/- 2mm

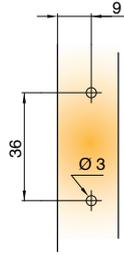
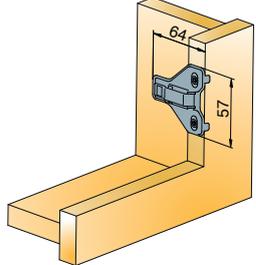
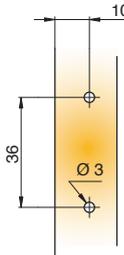
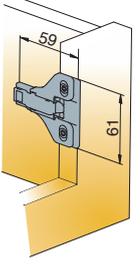
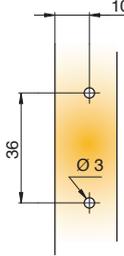
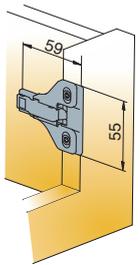
Mounting plate type								
Mounting plate thickness (D)								

S-type

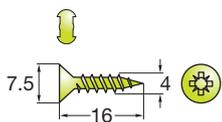
Face Frame

Mounting Plates

S-type snap-on mounting

	Drilling pattern	Dimensions
<p>Face frame adapter for S-type hinges</p>  <p>200 Pcs Made of zinc alloy</p>		
<p>Face frame adapter for S-type hinges</p>  <p>200 Pcs Made of zinc alloy</p>		
<p>Face frame adapter for S-type hinges cam adjustable</p>  <p>200 Pcs Made of zinc alloy</p>		

Fixing screw for mounting plates
If not pre-mounted

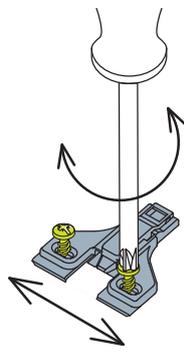


Chipboard screws
820.6328.050

10000 Pcs



Mounting plate thickness



Height adjustment +/- 2mm

Mounting plate type		
Mounting plate thickness (D)	Item number	
		
0mm	244.1638.050	
3mm	244.1639.050	
6mm	244.1640.050	
0mm	244.3653.650	
3mm	244.3603.650	
6mm	244.3655.650	
0mm	244.3600.650	
3mm	244.3603.650	

Legend of mounting plate type symbols



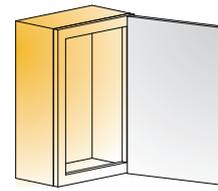
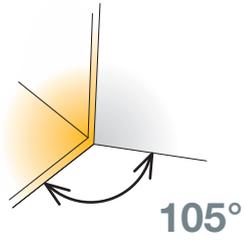
Screw-on ready for chipboard screws
 ← screws



Face frame hinges

6-way adjustment hinge

For wooden doors on face frame cabinets

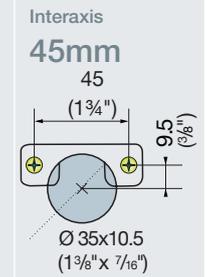


- Opening angle
- Drilling diameter for hinge cup
- Drilling depth

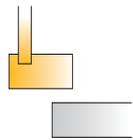
105°
35mm
11mm



Technical details



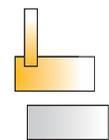
1/2" overlay



300 Pcs

Made of steel and zinc

1 1/4" overlay



300 Pcs

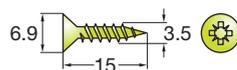
Made of steel and zinc

Overlay	Cup type	Item number
1/2"		970.9816.050
1/2"		970.9812.050
1 1/4"		970.9822.050
1 1/4"		970.9819.050

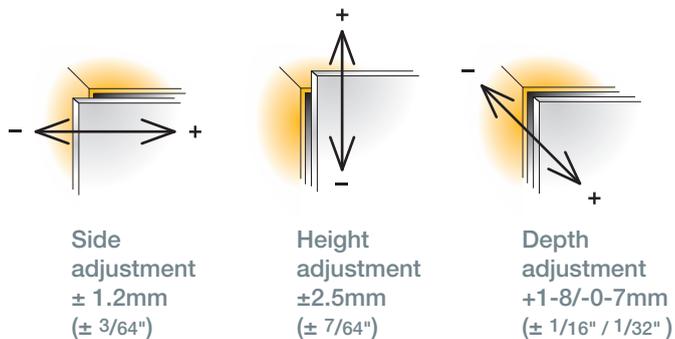
Legend of hinge cup symbols

Screw-on ready
→ screws

Machine insertion ready

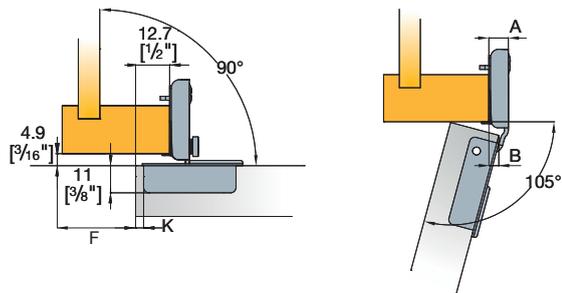


Door adjustment



Mounting details

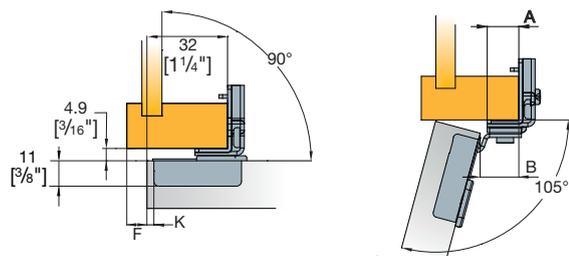
Minimum reveal



door thickness	16 (5/8")	17 (43/64")	18 45/16")	19 (3/4")
2 (3/32")	4 (5/32")	4.8 (3/16")	5.6 (7/32")	6.4 (1/4")
K 2.5 (7/64")	4.3 (11/46")	5.1 (7/32")	5.9 (15/64")	6.7 (17/64")
3 (1/8")	4.6 (3/16")	5.4 (7/32")	6.2 (1/4")	7 (9/32") F

F=minimum reveal

door protrusion (B) = 4.2mm (11/64")
arm protrusion (A) = 7.8mm (5/16")



door thickness	16 (5/8")	17 (43/64")	18 45/16")	19 (3/4")
2 (3/32")	3 (6/32")	4.6 (3/16")	5.4 (7/32")	6.2 (1/4")
K 2.5 (7/64")	2.5 (6/32")	4.9 (3/16")	5.9 (7/2")	6.5 (1/4")
3 (1/8")	3 (1/8")	5.2 (11/64")	6 (16/64")	6.8 (17/64") F

F=minimum reveal

door protrusion (B) = 15.8mm (5/8")
arm protrusion (A) = 13mm (33/64")

Number of hinges per door

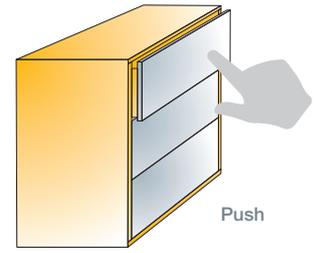
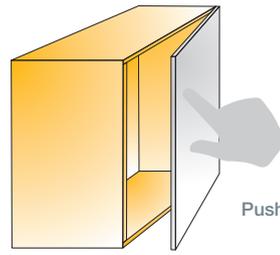


The number of hinges is determined by the door height and door weight. For the user safety please don't exceed the recommended number of hinges in the chart.

PushOpen Solutions

Push Latch

For wood doors and handleless drawers



Push Latch



Push Latch



Cruciform mounting plate

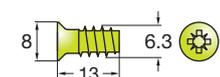


Linear mounting plate

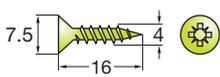
200 Pcs Made of steel and plastic

	Spring force [N] (released)	Spring force [N] (loaded)	Item number	Chrome	TeraBlack
With bumper	10	20	915.0X59 →	381	383
With bumper	13	27	915.0320 →	381	
With magnet	10	20	915.0D22 →	381	
Linear m. plate			915.4175 →	381	
Cruciform m. plate			915.4183 →	381	383
Sets:					
	Cruciform m. plate		Linear m. plate		
With bumper	915.0X59.381.K1		915.0X59.381.K2 915.0X59.383.K2		
	200 Sets		200 Sets		
With magnet	915.0D22.381.K1		915.0D22.381.K2		
	200 Sets		200 Sets		

Fixing screws for mounting plates



Euro screws
821.6323.050
 5000 Pcs



Chipboard screws
820.6328.050
 10000 Pcs

Accessories for Push Latch with magnet (Nickel plated steel)

Counter plate self adhesive



A = Ø15

915.7159.050 500 Pcs

Counter plate



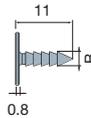
A = Ø10 B = Ø5

915.7196.050 500 Pcs

A = Ø15 B = Ø8

915.7190.050 500 Pcs

Knock-in Counter plate

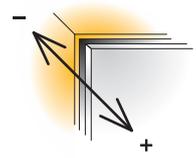


A = Ø10 B = Ø2.8

915.7199.050 500 Pcs

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

Door adjustment



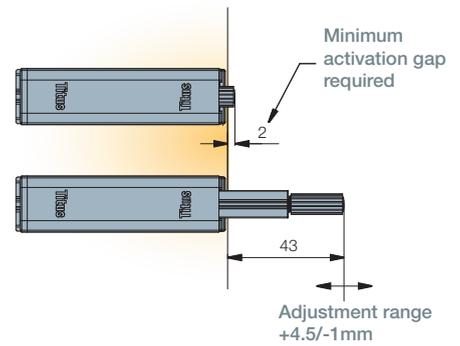
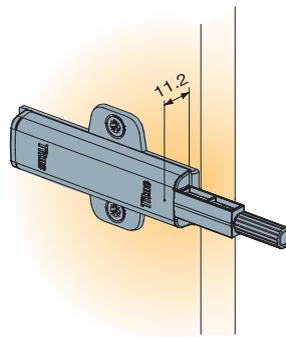
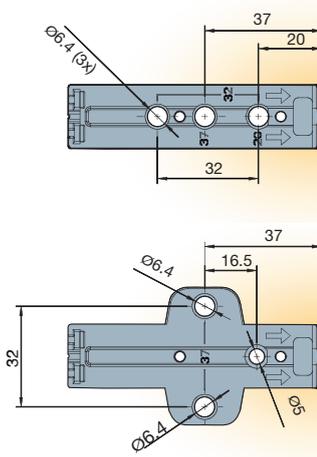
Depth adjustment
+4.5/-1mm

i Push Latch with bumper works with standard hinge
Push Latch with magnet works with reverse spring or unsprung hinges

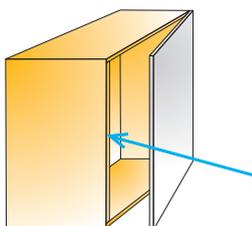
Drilling pattern

Dimensions

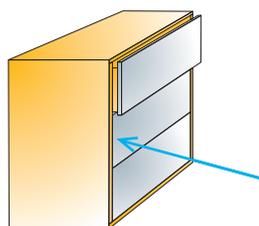
Depth adjustment



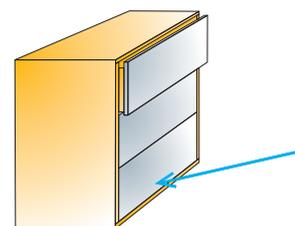
Positioning



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



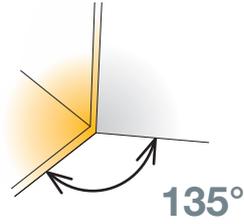
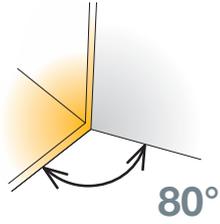
On the cabinet side; gap between drawer and cabinet side 12mm min

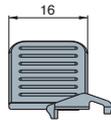
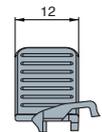
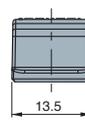


On the drawer bottom; in the middle of drawer

Hinge Angle Restrictors

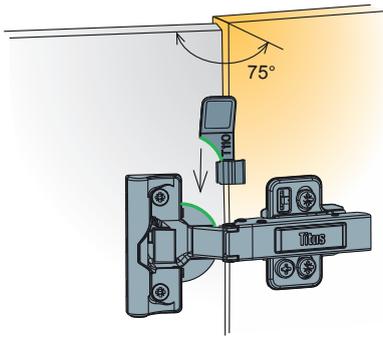
For all Titus Hinges with 110° and 170° opening angle



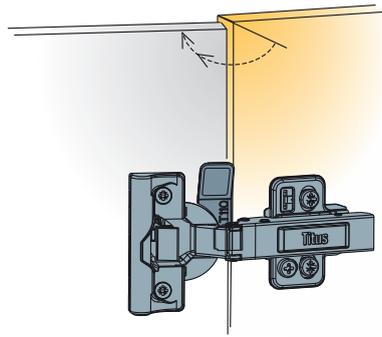
Technical details		Item number	Light grey
			
80° Hinge Angle Restrictor T-type   	For all T-type 110°	728.4669 →	380
 200 Pcs Made of plastic			
80° Hinge Angle Restrictor S-type   	For all S-type 110°	248.4668 →	380
 200 Pcs Made of plastic			
135° Hinge Angle Restrictor for 170° hinges   	For all 170° hinges	248.4672 →	380
 200 Pcs Made of plastic			

- Hinge angle restrictor limits opening angle
- Prevents door damage
- Easy and quick mounting and dismounting

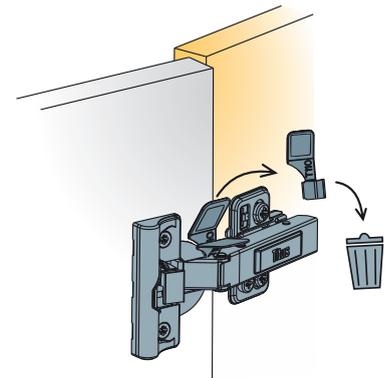
Mounting details



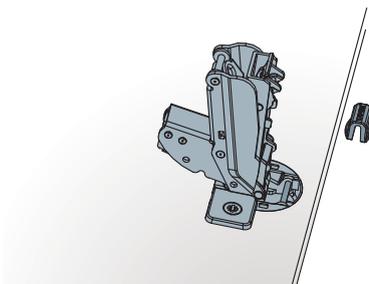
Open the door to approximately 75° and position angle restrictor to follow the hinge cup form



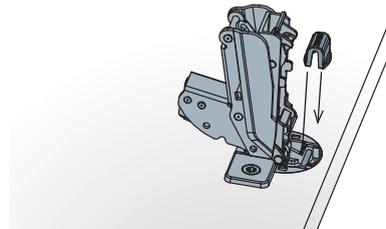
Slightly open the door to hear the click meaning angle restrictor is in the right position



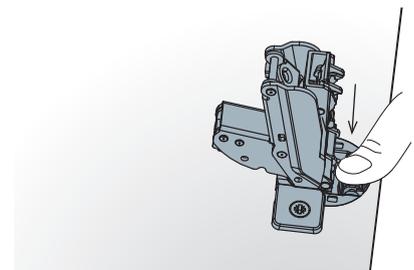
Close the door to remove the restrictor holder (cracks by itself while closing the door)



Hinge has to be in closed position



Insert angle restrictor into the hinge cup

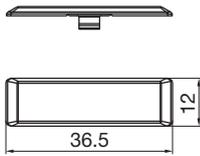
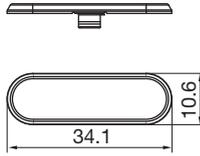
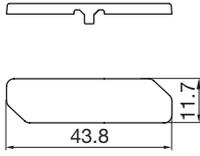


When angle restrictor is in the right position push it down

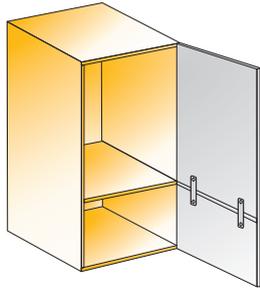
Recommended to insert the angle restrictor while doors are not mounted on the cabinet

Cover Caps

For hinge arms

Technical details		Plate type	Material/surface	Item number	Nickel plated
					
T-type  		Titus	steel	728-1286 →	054
 5000 Pcs Made of steel		neutral	steel	728-1283 →	054
<small>Only for T-type 110 0mm, 120 0mm, 110/15°, 110/30°, 110/45° 9mm, 17mm and 23mm, 110/90° 17mm</small>					
T-type  		Titus	steel	728-1287 →	054
 5000 Pcs Made of steel		neutral	steel	728-1284 →	054
<small>For all T-type range</small>					
S-type B-type  		Titus	steel	248-1646 →	050
 4000 Pcs Made of steel		neutral	steel	248-1712 →	050

Joining Plates



- Rigid and strong
- No pre-drilling
- Spacer pegs provide an even 2mm gap
- Sleek design



Technical details

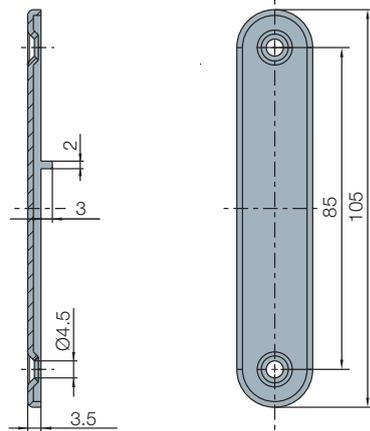
Item number

Nickel plated

Joining plate 105mm

360.1222 →

054



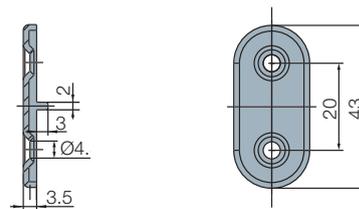
500 Pcs

Made of steel

Joining plate 43mm

360.1230 →

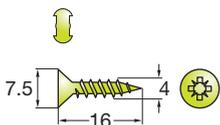
054



1000 Pcs

Made of steel

Fixing screw for cruciform mounting plate
If not pre-mounted

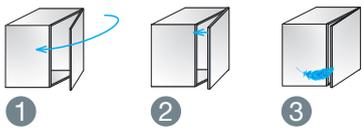


Chipboard screws
820.6328.050

10000 Pcs

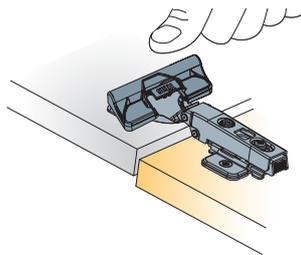
Soft Closing Systems

Glissando Soft Closing Systems for Hinges



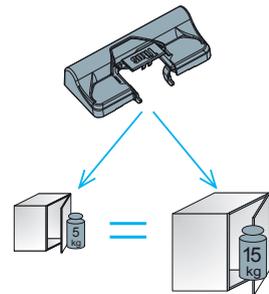
ConfidentClose

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



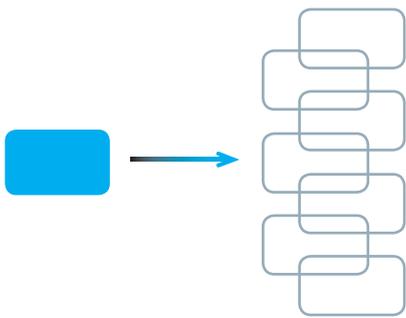
Tool-less mounting

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



Consistent Performance

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



One-for-All

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



Titus Damper Inside

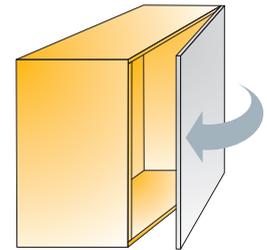
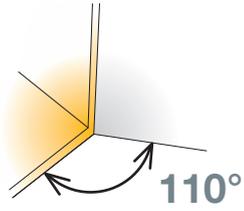
- Titus proprietary multi-purpose damping technology
- Reliable and consistent damping

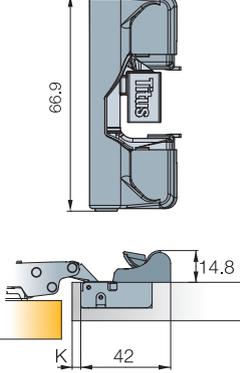
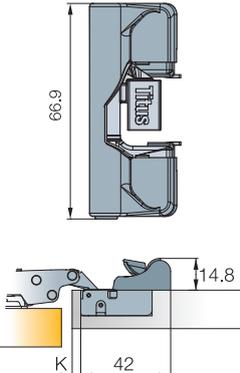
Glissando TT

Glissando TL3

Add-on Hinge Damper

For 110° and 120° hinges

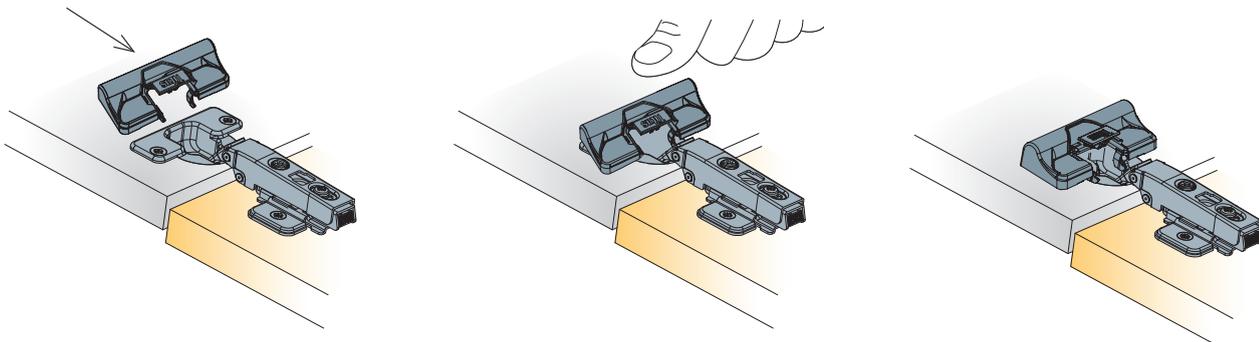


	Technical details	Hinge opening angle	Item number
<p>Glissando TT</p> <ul style="list-style-type: none"> · T-type 110 · T-type 120  <p>200 Pcs Made of steel and plastic</p>		95°, 110°, 120°	729.0K71.054
<p>Glissando TL3</p> <ul style="list-style-type: none"> · S-type 110  <p>200 Pcs Made of steel and plastic</p>		110°	951.0X94.050

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

Mounting details

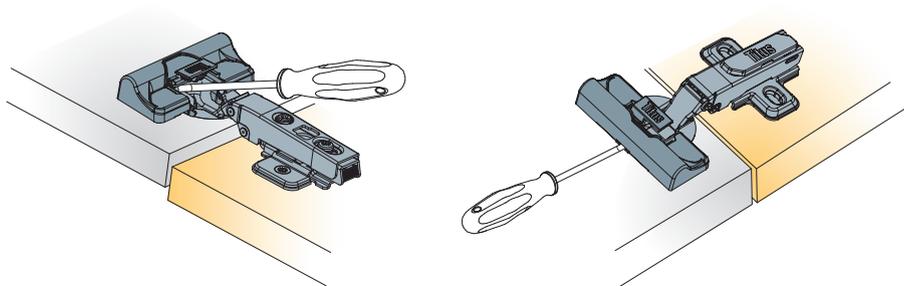
Tool-less mounting



Insert Glissando TL into the holes on the hinge

Press down

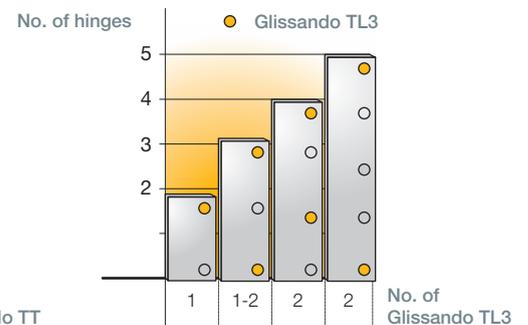
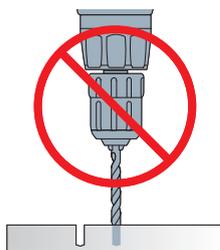
Dismounting details



Use flat screwdriver

A trial mounting is always recommended.

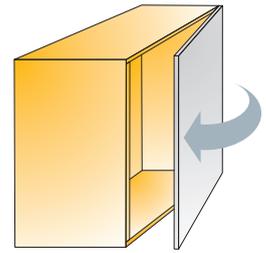
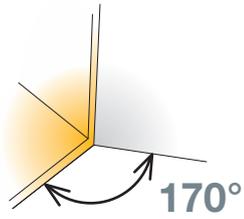
Recommended number of Glissandos per door



Glissando TL 170

Add-on Hinge
Door Soft Close

For T-type 170, S-type 170



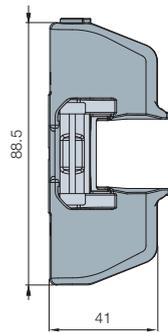
Technical details

Hinge opening angle	Item number
170°	951.0F15.650

Glissando TL 170



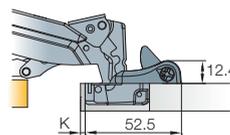
Soft closing mechanism



Box content
100 pcs soft closing mechanisms
100 pcs striking plates



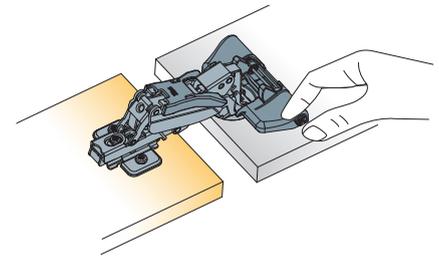
Striking plate



 100 Pcs Made of steel and plastic

- Gentle and reliable soft closing on doors with wider opening angle
- ConfidentClose
- Tool-less mounting

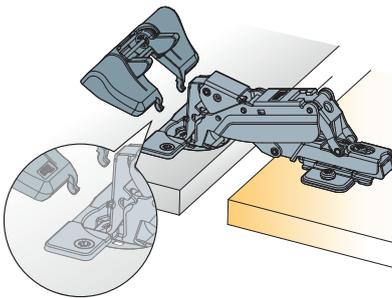
Damping adjustment



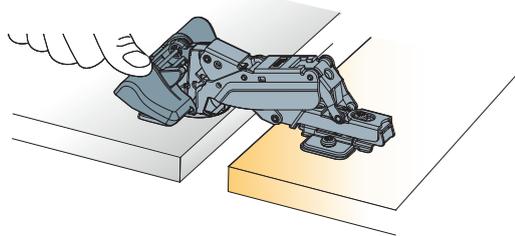
Turn towards '+' to increase and '-' to decrease the damping

Mounting details

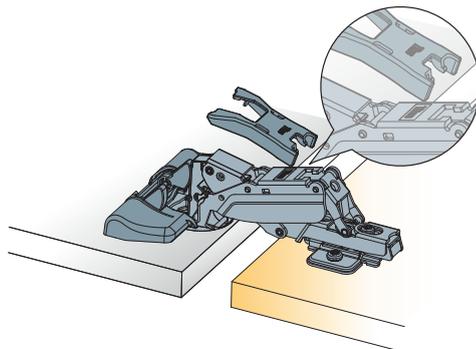
Tool-less mounting



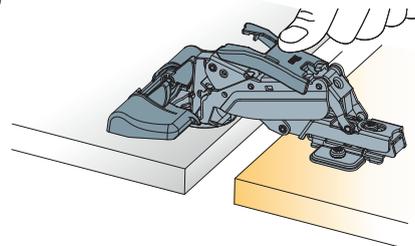
Insert Glissando TL 170 into the holes on the hinge cup



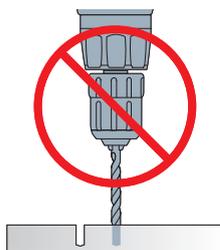
Press down



Place the striking plate into the hole on the hinge arm

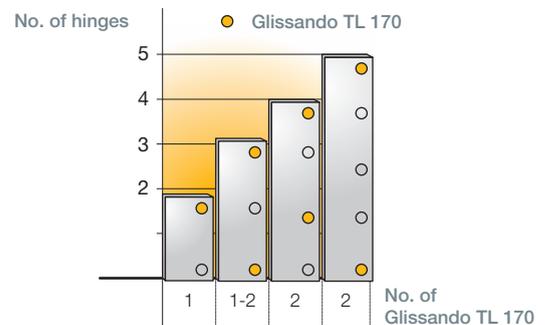


Press down



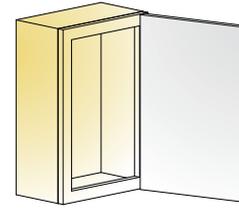
No additional drilling is required

Recommended number of Glissandos per door



Titusoft Door

For overlay doors on frame and frameless cabinets



Technical details

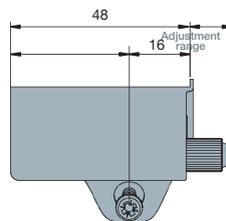
Item number	Material options		
	White housing	Grey housing	Nickel plated

Titusoft Door

972.0F09 →	350	380	650
------------	-----	-----	-----



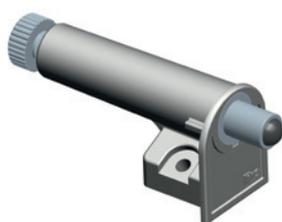
Nominal 11
(Adjustment: Nominal + 5mm)



100 Pcs Made of plastic

Titusoft Door Pro

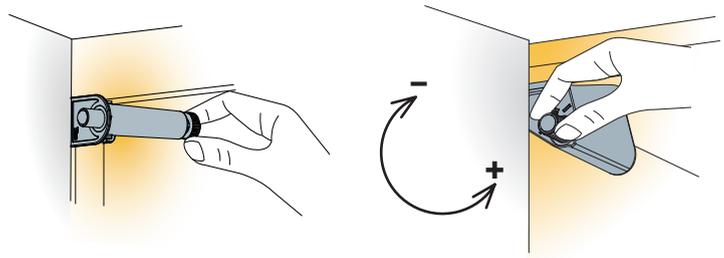
972.0X21 →	380		
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100 Pcs Made of plastic

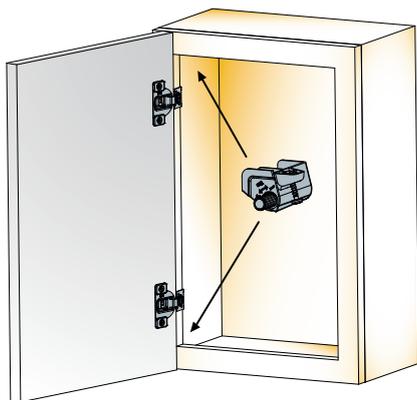
- Intuitive 'Place&Fix' installation in the corner of the cabinet
- Tool-less damping adjustment
- One item for a wide range of doors
- Reliable performance

Damping adjustment



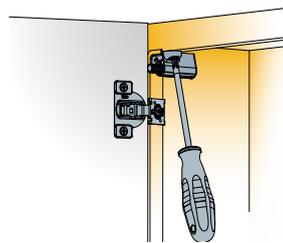
Turn towards '+' to increase and towards '-' to decrease the damping

Mounting details

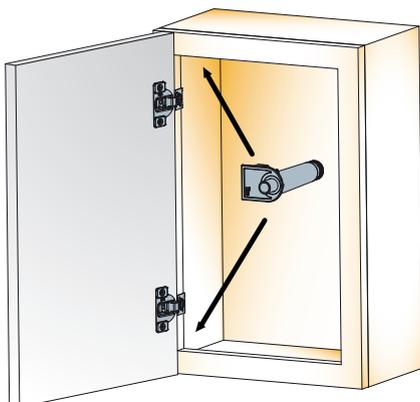


Mount Titusoft Door on the hinged side of the cabinet

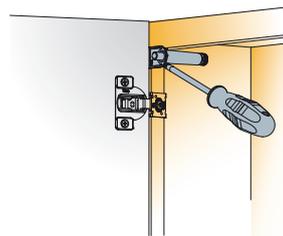
Fixing



One screw fixing

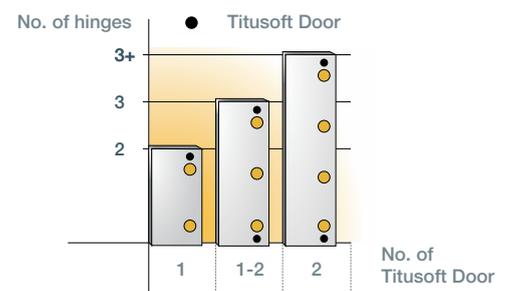


Mount Titusoft Door on the hinged side of the cabinet



One screw fixing

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

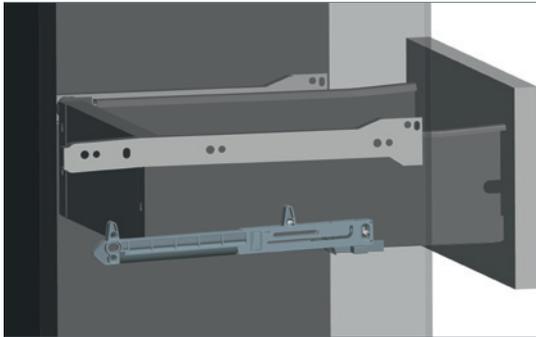
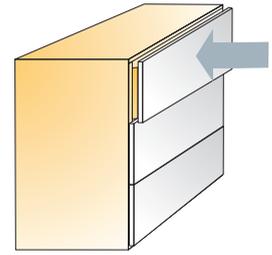


Recommended number per door

Titusoft MD

Soft Closing System for Metal Box

For metal boxes



Titusoft MD



Mounting jig

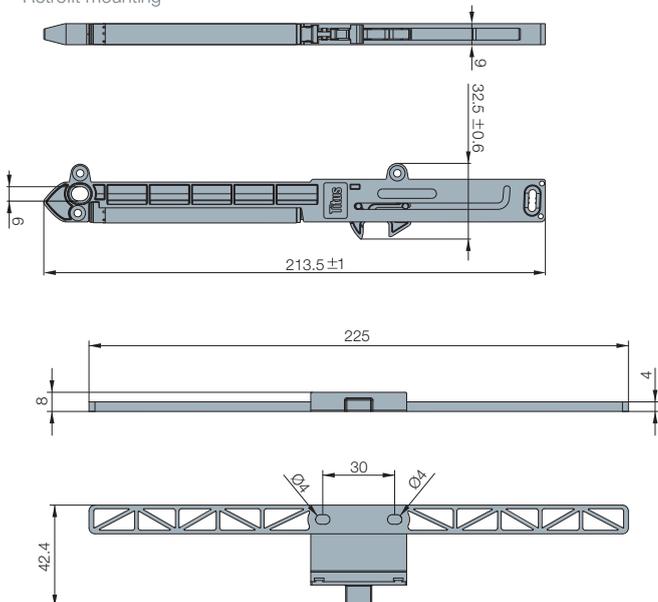
Item number	Grey	White	Light blue
Titusoft mechanism for factory mounting	380		
Titusoft mechanism for retrofit mounting	380		
Activator		350	
Mounting jig			309

- 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

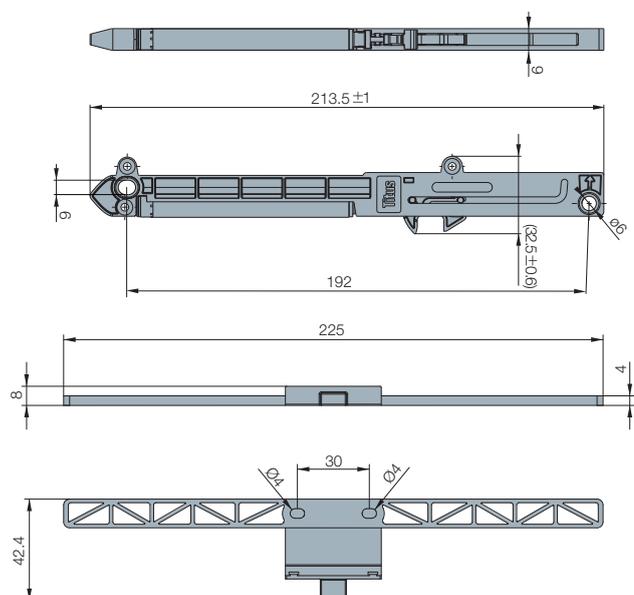
250 Pcs
 150 Pcs (973.0X39 + activator) Made of plastic

Technical details

Retrofit mounting

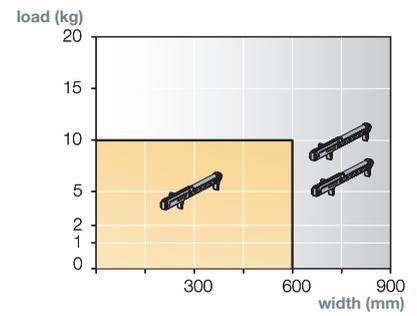


Factory mounting (system holes)



- 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

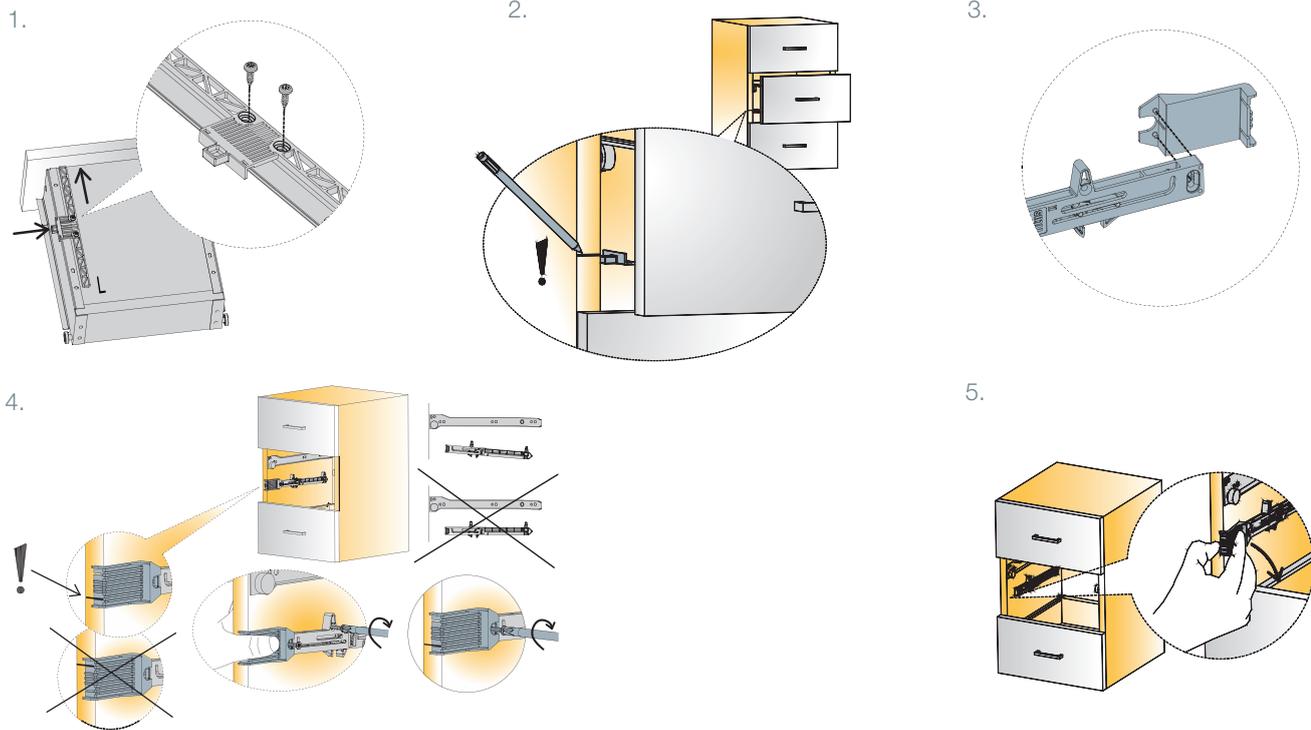
Capacity chart



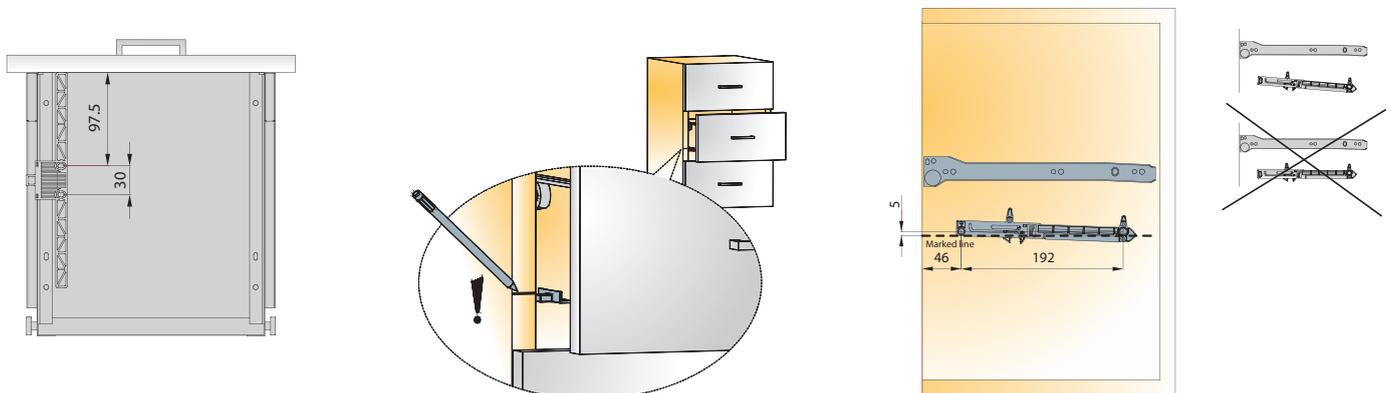
Mount 1 or 2 Titusoft mechanisms depending on drawer weight and width

Mounting details

Retrofit mounting



Factory mounting

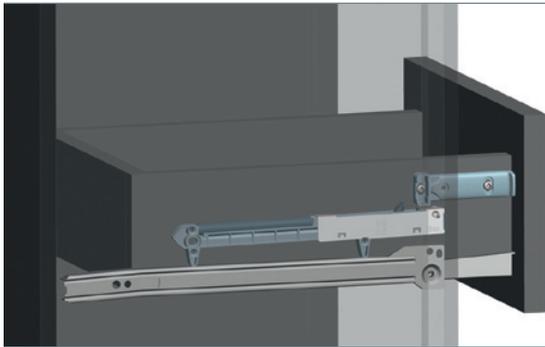
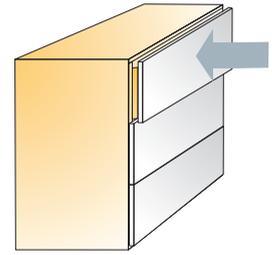


A trial mounting is always recommended. Please contact Titus Group or your local distributor for further technical assistance.

Titusoft FF

Soft Closing System
for Face Frame Cabinets
with Wooden Drawer

For wooden drawer
with roller runners



Technical details

Titusoft FF

Titusoft
mechanism

Item number

973.0M99 →

Grey

380

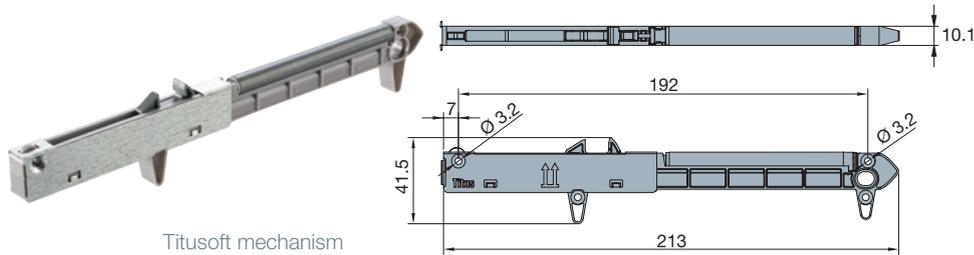
White

Activator

973.4451 →

380

350



Titusoft mechanism

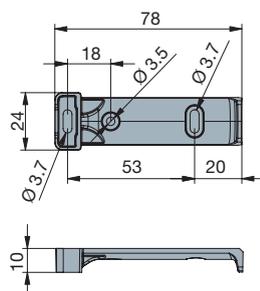
Bag of 1

973.0M99.380.K1  300 Bags

- 1 Titusoft mechanism
- 1 activator grey
- 2 screws Ø3.5mm x 25mm
- 2 screws Ø3.5mm x 12mm
- 1 mounting instruction sheet



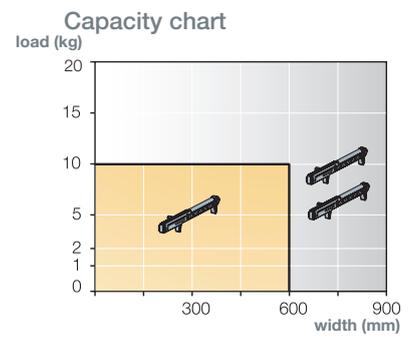
Activator



 250 Pcs

Made of plastic

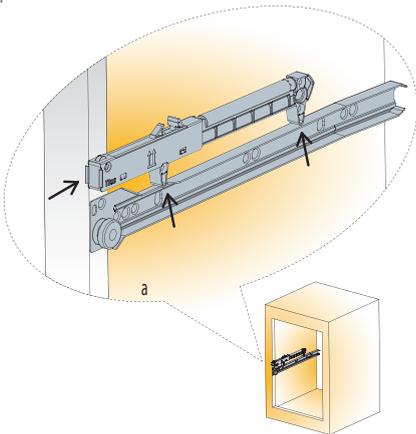
- Easy, intuitive mounting
- Universal application will fit most standard drawers
- Smooth, soft closing action independent of drawer hardware
- Non-handed design



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

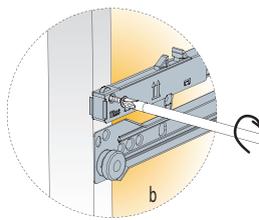
Mounting details

1.



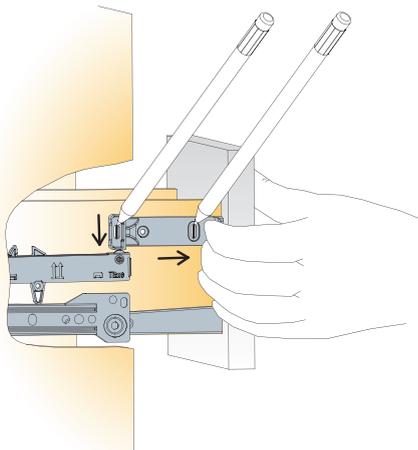
Position the Titusoft on the top of a drawer slide

2.



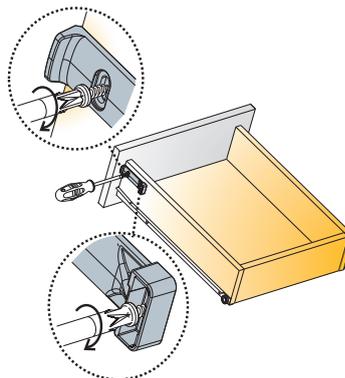
Screw the Titusoft mechanism to the face frame

3.



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

4.



Fix with 2 (3) screws L=12mm

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

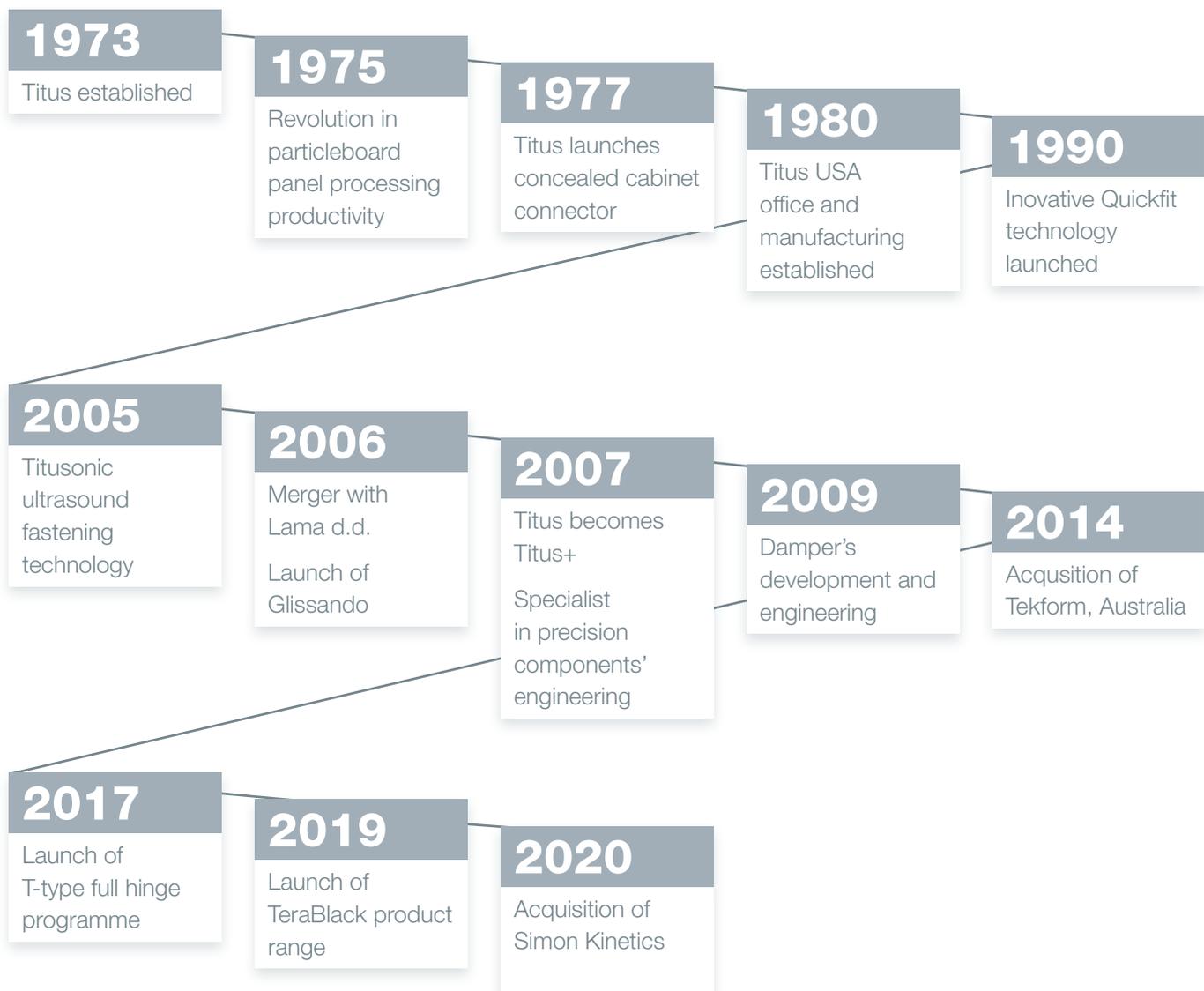
The Titus Group Profile

Titus Group

Titus focuses on the design, manufacture and distribution of connectors, concealed hinges drawers and soft closing mechanisms in furniture and household appliances.

Titus Group is owned and managed from its headquarters in United Kingdom. We are able to provide products and services to every customer around the world based on manufacturing facilities in Europe, North America, China, SE Asia, Australia and New Zealand.

Quickfit technology makes Titus the world leader in connectors for RTA furniture



Vision

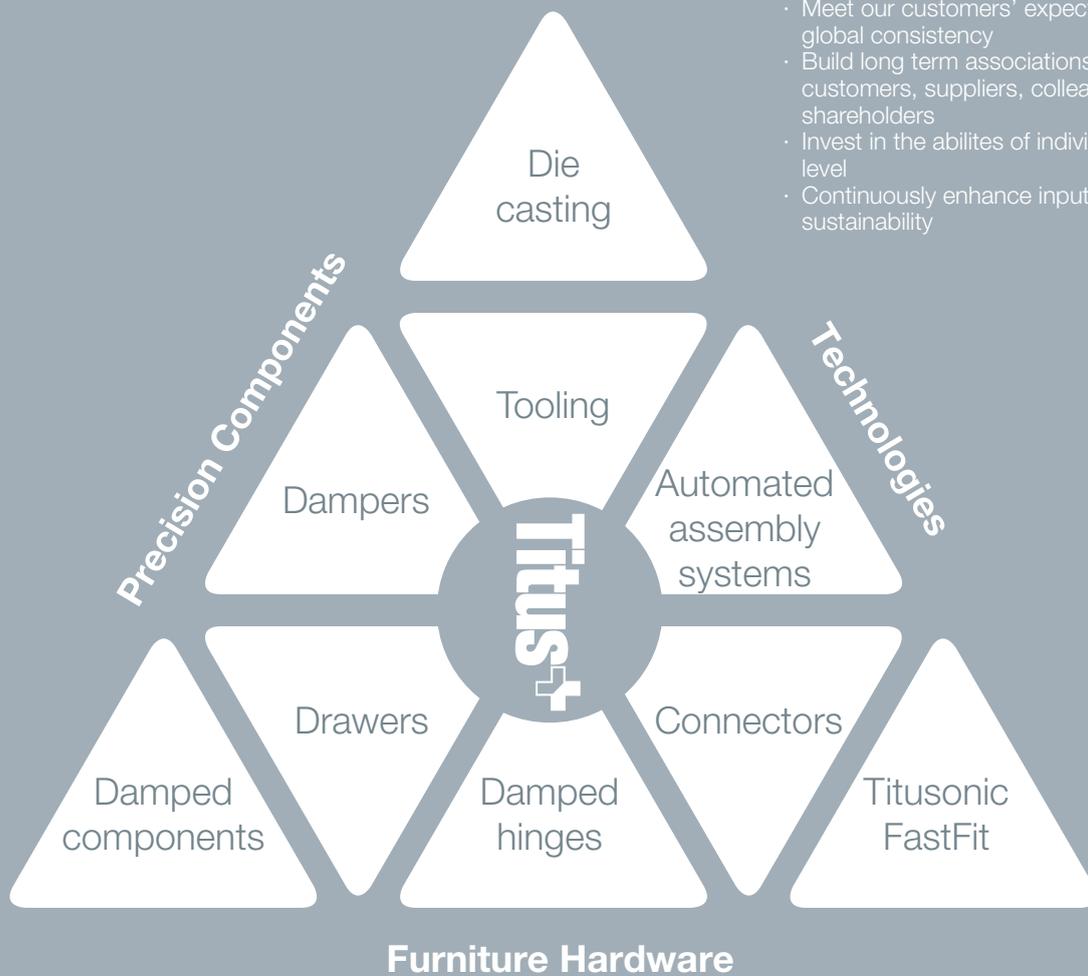
The world's best engineering for precision components

Mission

To provide manufacturers with components' solutions that improve competitiveness

Titus Business Philosophies and Principles

- Gain total knowledge of our customers and their markets
- Focus on identifying and creating high volume component niches
- Meet our customers' expectations with global consistency
- Build long term associations with customers, suppliers, colleagues and shareholders
- Invest in the abilities of individuals at every level
- Continuously enhance input efficiency and sustainability



Furniture Hardware

- Cabinet connectors
- Concealed hinges
- Soft closing systems
- Drawers and drawer systems
- Kitchen accessories
- RV hardware

Components

- Hydraulic dampers
- Precision components
- Precision die castings
- Damped mechanisms

Technologies

- Automated assembly systems
- Die casting technologies
- Tooling
- Titusonic - Ultrasound fastening
- FastFit technology

'Totally Integrated Engineering'

Product Design

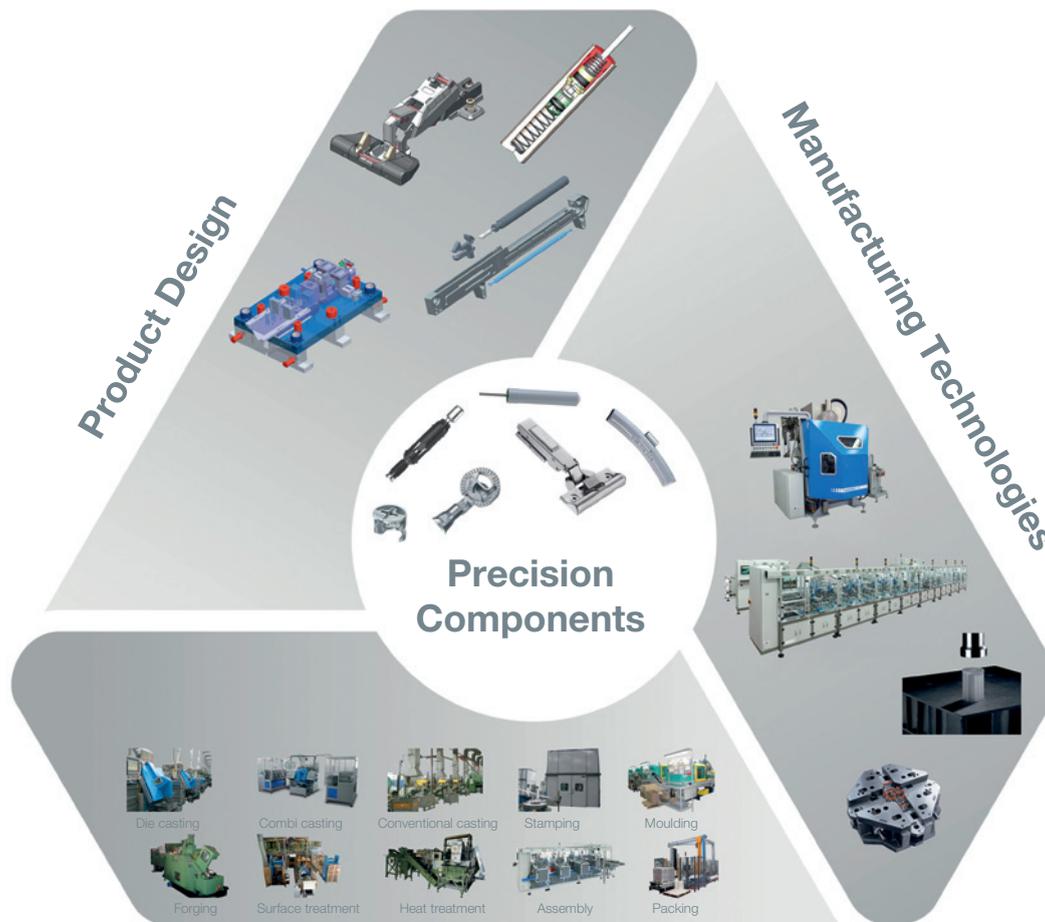
Design and engineering of unique components
Consistent and repeatable product quality

Manufacturing Technologies

To improve productivity and product quality

Manufacturing Operations

A wide array of technologies and services required for high volume production of precision components available in-house



Manufacturing Operations

Fittings for purpose

Unique product advantages for better value for money and lower 'total installed cost'

Innovations that improve

With less parts, less different parts, less preparation actions, faster assembly

Fast time-to-market

Quality

Continuous Improvement

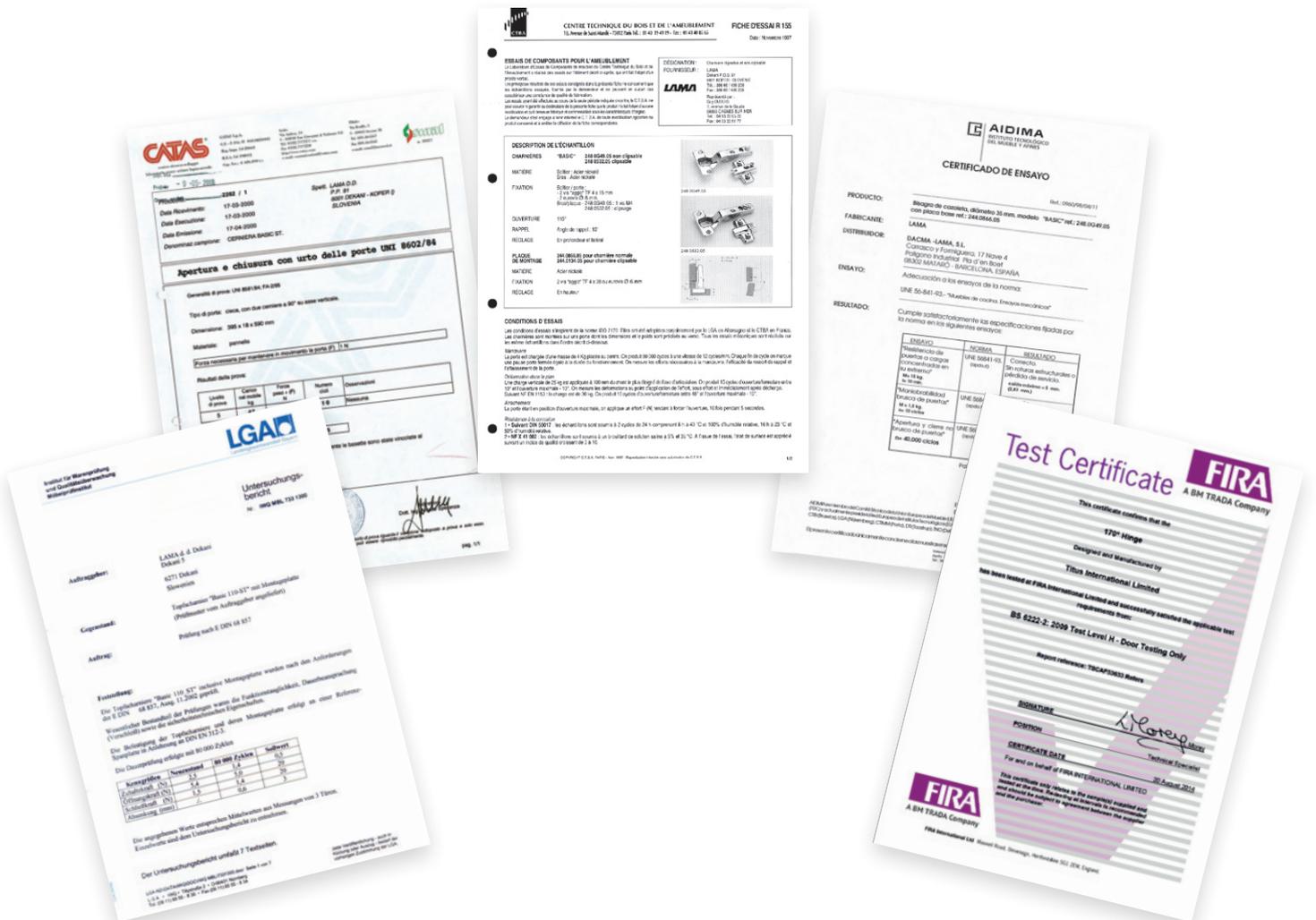
The Titus Group Mission, to improve the competitiveness of our customers, encourages us to continuously improve our products, services, processes and competencies of our employees.

Quality

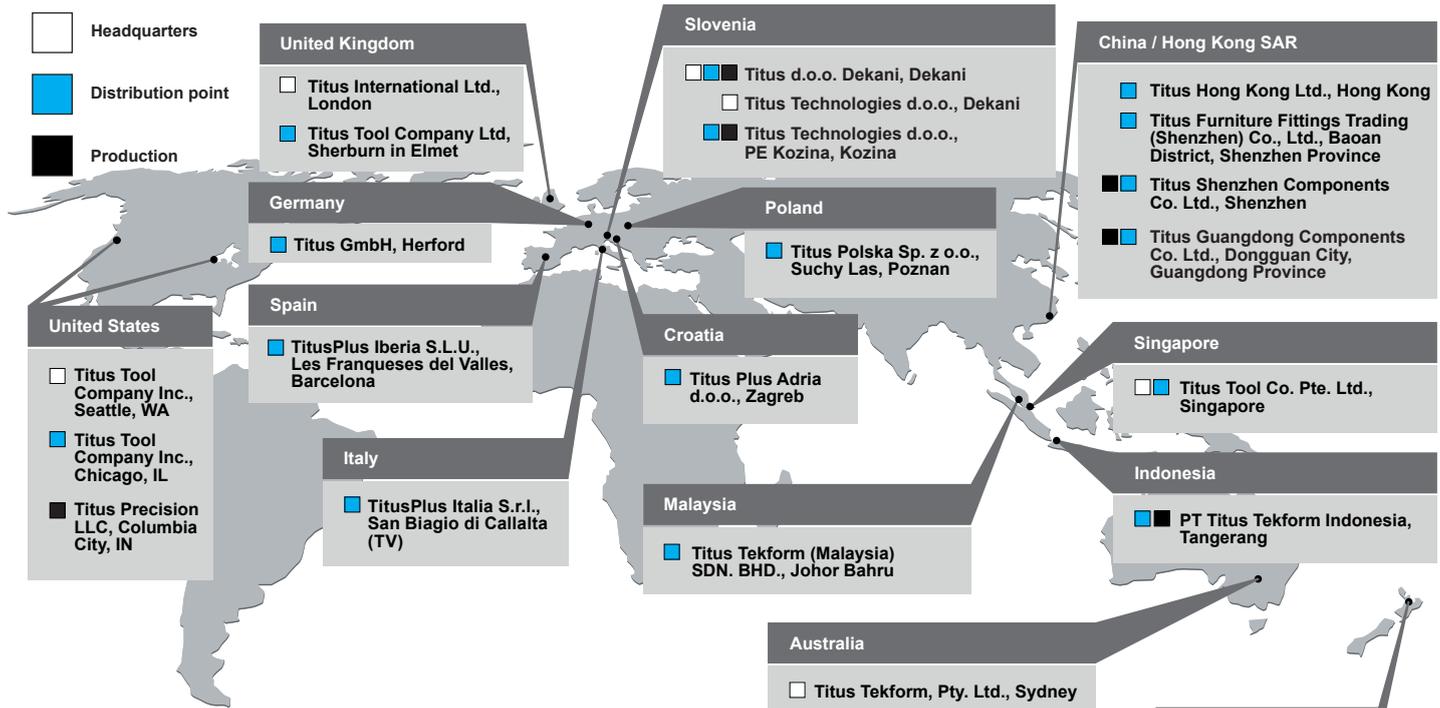
We believe that the Titus Mission is achieved most effectively through the management of our design, manufacturing and service activities in conformance with the ISO 9001 standard for quality management. Quality has a broad meaning for us: it is our guide to the selection of materials, work, processes, internal relations and cooperation with partners.

Products

Our integrated quality system produces technically optimized products of high quality. They are assessed regularly in our own test labs as well as by internationally renowned institutions, such as LGA from Germany, CTBA from France, FIRA from United Kingdom, CATAS from Italy, AIDIMA from Spain, and others.



Worldwide Design, Manufacturing and Distribution Capabilities



Europe

Titus d.o.o. Dekani
 Dekani 5
 SI-6271 Dekani
 Slovenia
 +386 5 6690 101
 +386 5 6690 205 Fax
 info@titusplus.com

Titus Technologies d.o.o.
 Dekani 5
 SI-6271 Dekani
 Slovenia
 +386 5 6690 422
 technologies@titusplus.com

Titus Technologies d.o.o., PE Kozina
 OIC Hrpelje 36
 SI-6240 Kozina
 Slovenia
 +386 5 6690 422
 technologies@titusplus.com

Titus Plus Adria d.o.o.
 Ulica Kreše Golika 3
 HR-10090 Zagreb
 Croatia
 +385 1 3323 033
 +385 1 3323 233 Fax
 croatia@titusplus.com

Titus Polska Sp. z o.o.
 Ul. Stefańskiego 17 A
 PL-62-002 Suchy Las/Poznań
 Poland
 +48 61 811 5402 Phone/Fax
 +48 61 811 5684 Phone/Fax
 +48 61 821 9362
 poland@titusplus.com

TitusPlus Italia S.r.l.
 Via Aquileia 9
 Frazione Olmi
 IT-31048 San Biagio di Callalta (TV)
 Italy
 +39 04 221 650 120
 +39 04 221 650 136 Fax
 italia@titusplus.com

TitusPlus Iberia SLU
 C/ Luxemburg 16
 ES-08520 Les Franqueses del Valles
 Spain
 +34 938 715 404
 +34 938 605 498 Fax
 iberia@titusplus.com

Titus GmbH
 Lübberlindenweg 12
 DE-32049 Herford
 Germany
 +49 5221 1024880
 germany@titusplus.com

Titus Tool Company Ltd.
 10 Blackburn Industrial Estate
 Enterprise Way
 Sherburn in Elmet
 LS256NA
 United Kingdom
 +44 1977 682582
 +44 1977 680481 Fax
 uk@titusplus.com

America

Titus Tool Company Inc.
 2800 156th Avenue SE
 Suite 135
 Bellevue, WA 98007
 USA
 +1 800 762 1616 Toll free
 +1 425 746 2080
 +1 425 746 2344 Fax
 usa@titusplus.com

Titus Tool Company Inc.
 11056 W. Addison Street
 Franklin Park, IL 60131
 USA
 +1 800 762 1616 Toll free
 +1 425 746 2080
 +1 425 746 2344 Fax
 usa@titusplus.com

Titus Precision LLC
 900 W Connexion Way
 Columbia City, IN 46725
 USA
 +1 260 244 6114
 +1 425 746 2080
 +1 425 746 2344 Fax
 usa@titusplus.com

Australia and New Zealand

Titus Tekform Pty Ltd
 83 Jemma Road
 Prestons NSW 2170
 Australia
 +61 2 9286 0007
 +61 2 9826 0074
 info@titustekform.com.au
 www.titustekform.com.au

Stefano Orlati Ltd
 34 Waipareira Avenue
 Henderson
 Auckland
 New Zealand
 +64 9 837 0886
 +64 9 837 8003 Fax
 stefano-orlati@titusplus.com
 www.stefano-orlati.co.nz

Asia

Titus Tool Co. Pte. Ltd.
 5004 Ang Mo Kio Ave 5
 Techplace II #04-01
 Singapore 569872
 Singapore
 +65 6383 3922
 +65 6383 3178 Fax
 singapore@titusplus.com

Titus Guangdong Components Co. Ltd.
 Room 101, Building No. 1
 No. 358 Daxing Road
 Yangwu Village, Dalingshan Town
 Dongguan City
 Guangdong Province
 China
 +86 769 85659801 803
 china@titusplus.com

Titus Shenzhen Components Co. Ltd.
 1st Floor Building No. 2
 Heng Changrong High-tech
 Industrial Park
 ShangNan South Road
 Shangjin Street
 Bao'an District
 Shenzhen City
 Guangdong Province
 China
 +86 755 8348 0916
 +86 8359 2676
 china@titusplus.com

Titus Tekform Indonesia, PT
 Taman Teknoblok L2 No. 7
 Bumi Serpong Damai Sektor XI
 15314 Tangerang
 Indonesia
 +62 21 70753578
 +62 21 75873574 Fax
 indonesia@titusplus.com

Headquarters

Titus International Ltd
 28 Fitzroy Square
 W1T 6DD London
 United Kingdom
 +44 20 8004 8083
 info@titusplus.com
 www.titusplus.com

Your authorized dealer

Titus Group
www.titusplus.com

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