Concealed Hinges
Titus 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 cup 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
A Comprehensive Range

T-type hinge

Titus New Generation hinge for quick furniture assembly and consistent performance on wide range of doors
3Way snap-on mounting
Highly tolerant
Adjustable damping
Low hinge cup depth

S-type hinge

Simple and quick snap-on mounting system
Easy assembly and disassembly
Adjustable damping
ConfidentClose
Push to open for handleless furniture

B-type hinge

Reliable slide-on mounting system
Simplicity in use
Adjustable damping
ConfidentClose
Reliable door closing
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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:

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 the given formula.

\[ D = 4 + K 	imes x \]

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.
Through side adjustment

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

Door clearance and gap

The door clearance (F ≥ Fmin) 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 ≥ 2Fmin).

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Gap Z_{min} = 0
Concealed Hinges
Hinge Cup Types

How to Mount the Hinge on the Door?

- **No pre-mounting**
  The hinge is fixed on the door with two screws. 3mm pilot holes recommended.

- **Easy-Fix time saving system**
  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**
  Premounted dowels suitable for machine insertion into 8mm holes (interaxis 45/9.5) or 10mm holes (interaxis 48/6 and 52/5.5).

- **Pre-mounted expando dowels**
  Pre-mounted expanding dowels with triple-start screw for fast fixing, suitable for 8mm holes.
Hinge cup with pre-mounted euro screws
Pre-mounted euro screws for 5mm holes. Where not specified otherwise, euro screws are 13mm long.

Hinge cup with pre-mounted Ø4.5mm screws
Pre-mounted chipboard screws. 3mm pilot holes recommended.

Aluminium frame screw-on hinge cup
The hinge is fixed onto a specific drilling on the aluminium frame.
Concealed Hinges
Boring Details

Drilling Patterns for Hinge Cup

**Interaxis**
45mm, 48mm and 52mm*

- T-type
- S-type
- B-type

*Available on special request → see page 0.3

<table>
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<tr>
<th>Hinge cup type</th>
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</table>

Interaxis is the distance between two holes for fixing screws 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.

1. **No pre-mounting, chipboard screw ready**
   - The mounting plate is fixed with two chipboard screws or equivalent. 3mm pilot holes recommended.

2. **No pre-mounting, 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.

3. **Machine insertion ready**
   - Pre-mounted dowels for machine insertion into 10mm holes.

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

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

6. **Pre-mounted Ø4.5mm screws**
   - The 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 button on the hinge arm.
S-type snap-on

The 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.

---

B-type slide-on

The hinge is assembled by sliding the hinge arm over the mounting plate. The hinge adjustment screw must fit into the groove on the mounting plate.

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

---

Key-hole

- Wide angle hinge
- Refrigerator cabinet door hinge

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

After adjusting the door depth, the mounting procedure is finished by tightening the fixing screw.
Concealed Hinges
Loadings

How Many Hinges per Door?

Check the enclosed specifications for the number of required hinges per door by considering door height and weight.

Concealed hinges with Ø 35mm hinge cup diameter

Standard hinges

Hinges with integrated damping

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

Side Adjustment

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

By rotating the adjustment screw

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

T-type
S-type
B-type

By temporarily loosening the fixing screw

- Wide angle hinge 270°
- Refrigerator cabinet hinge

For the side adjustment:
1. Release the fixing screw
2. Make the necessary adjustment by rotating the appropriate screw
3. Tighten the fixing screw
Without releasing the fixing screw no side adjustment is possible.
Concealed Hinges
Adjustment

Height Adjustment

Height adjustment is necessary to achieve optimal vertical door position.

By rotating the cam adjuster

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

T-type with cam adjustable cruciform mounting plate

T-type with cam adjustable horizontal mounting plate

S-type with cam adjustable cruciform mounting plate
By releasing the screw slot

- T-type and S-type with cruciform mounting plate
- B-type
- Wide angle hinge

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

Depth Adjustment

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

By rotating the cam adjuster

- T-type

- S-type plus

By releasing the fixing or adjustment screw

- S-type
- B-type

The depth adjustment is made by temporarily releasing the adjustment screw (S-type) or fixing screw (B-type, Hinge Ø40). After the adjustment is made the screw has to be re-tightened.
Door Closing Type

There are two door closing systems:

**Concealed hinges with self-closing angle**
- T-type
- S-type
- B-type

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

**Free-swinging door hinges**
- all series

Optionally most of Titus concealed hinges can be supplied without self-closing mechanism. These hinges may be ordered upon request. Soft closing devices cannot be used with free-swinging door hinges.

*Available upon special request → see page 3.9
Concealed Hinges
Adjustment

Damping Adjustment

T-type Glissando

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

S-type-i plus series
S-type-i series
B-type-i series

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

The damping reduction switch in a pre-set position.

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

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

Damping force change

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

‘One-for-all’ efficiency principle
Damping on the hinge cup
Damper, positioned transversal to the hinge cup allows for easy introduction of various 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

Titus Damper Inside
- Efficient damping at any closing speed
- Reliable closing
- Damping force consistency
T-type Hinges

Easy door installation even in cases of 4-5 hinges per door
- Easy and quick assembly and disassembly
- Flexibility for the furniture user
- Tight hinge-to-plate joint improves hinge stability and reduces door sag

Highly tolerant
- Efficient performance in marginal values of tolerances
- Reliable door closing in case of accidental misalignment
- ConfidentClose assured

Rigidity
- Hinge-to-plate attachment assures stability and rigidity
- Smooth performance
Adjustable damping
- Consistent performance on doors of different dimensions and weights
- Intuitive adjustment procedure

'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 Glissando 110

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

110° 35mm 12mm 3Way snap-on

### Cranking 0mm

- 150 Pcs  Made of steel

### Cranking 5mm

- 150 Pcs  Made of steel

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Drilling patterns for hinge cups → see page 3.15

### Mounting plates

- Cam adjustable cruciform mounting plate → see page 3.67
- Cruciform mounting plate → see page 3.69
- Cam adjustable horizontal mounting plate → see page 3.67
- Face frame adapter plate

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### Legend of hinge cup symbols

- Screw-on ready ← screws
- Machine insertion ready
- Easy-fix system

Cover caps for hinge arm → see page 3.169
Damping adjustment

Door adjustment

Side adjustment
+3/-1mm

Height adjustment
+2/-2mm

Depth adjustment
+4/-1mm

For further explanation -> see page 3.25
For further explanation -> see pages 3.20-3.23

Mounting details

Mounting plate drilling distance

Mounting plate thickness table

For further explanation -> see page 3.11

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D=13+K-x

Drawing show application on D=0mm thick mounting plate

Door clearance at R=1mm

For further explanation -> see page 3.12

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# T-type Glissando 110

## Technical Details
- Opening angle: 110°
- Drilling diameter for hinge cup: 35mm
- Drilling depth: 12mm
- Hinge on plate mounting system: 3Way snap-on

## Cranking
### 9mm
- 150 Pcs Made of steel
- Drilling patterns for hinge cups → see page 3.15

## Cranking
### 17mm
- 150 Pcs Made of steel
- Drilling patterns for hinge cups → see page 3.15

## Mounting Plates
- Cam adjustable cruciform mounting plate → see page 3.67
- Cruciform mounting plate → see page 3.69
- Cam adjustable horizontal mounting plate → see page 3.67
- Face frame adapter plate

## Hinge Cup Screws
- If not pre-mounted

## Accessories
- Cover caps for hinge arm → see page 3.169

## Legend of Hinge Cup Symbols
- Screw-on ready → screws
- Machine insertion ready
- Easy-fix system

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## Specifications
- 820-6328-050 10000 Pcs
Damping adjustment

Door adjustment

Side adjustment
+3/-1mm

Height adjustment
+2/-2mm

Depth adjustment
+4/-1mm

For further explanation → see page 3.25

For further explanation → see pages 3.20-3.23

Mounting details

Mounting plate drilling distance

Mounting plate thickness table

For further explanation → see page 3.11

\[
\begin{array}{cccccccccc}
\text{x} & 4 & 5 & 6 & 7 & 8 & 9 & 10 \\
3 & 3 & 2 & 1 & 0 \\
4 & 4 & 3 & 2 & 1 & 0 \\
5 & 4 & 3 & 2 & 1 & 0 \\
6 & 4 & 3 & 2 & 1 & 0 & D \\
\end{array}
\]

\[D=4+K\times\]

Drawing show application on
\[D=0\text{mm thick mounting plate}\]

V

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\[D= -4+K+F\]

Door clearance at \(R=1\text{mm}\)

For further explanation → see page 3.12

V

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</table>
T-type Glissando 120

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

120°
35mm
12mm
3Way snap-on

Technical details

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Drilling patterns for hinge cups → see page 3.15

Cranking
0mm

150 Pcs Made of steel

Legend of hinge cup symbols

- Screw-on ready
- Machine insertion ready
- Easy-fix system

Mounting plates:
- Cam adjustable cruciform mounting plate
  → see page 3.67
- Cruciform mounting plate
  → see page 3.69
- Cover caps for hinge arm
  → see page 3.169

Hinge cup screws
If not pre-mounted

820-6328-050
10000 Pcs
T-type Glissando 110/15°

15° angled application for wood doors

- Opening angle
- Drilling diameter for hinge cup
- Drilling depth
- Hinge on plate mounting system
  - 110°
  - 35mm
  - 12mm
  - 3Way snap-on

Cranking

9mm

Table:

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Drilling patterns for hinge cups → see page 3.15

100 Pcs

Cup made of steel, arm made of zinc

Legend of hinge cup symbols:
- Screw-on ready
- Machine insertion ready
- Easy-fix system

Mounting plates

- Cam adjustable cruciform mounting plate
  → see page 3.67
- Cruciform mounting plate
  → see page 3.69
- Cam adjustable horizontal mounting plate
  → see page 3.67
- Face frame adapter plate

Hinge cup screws

If not pre-mounted

820-6328-050

10000 Pcs

Accessories

Cover caps for hinge arm

→ see page 3.169
Damping adjustment

Door adjustment

Side adjustment
+3/-1mm

Height adjustment
+2/-2mm

Depth adjustment
+2.5/-2.5mm

For further explanation → see page 3.25

For further explanation → see pages 3.20-3.23

### Mounting details

#### Mounting plate drilling distance

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### Mounting plate thickness table

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L=45 for thickness D=0
L=44 for thickness D=1
L=43 for thickness D=2
L=42 for thickness D=3
L=41 for thickness D=4

### Drawings show application

D=9mm thick mounting plate

Drawing show application on
D=9mm thick mounting plate

**Door clearance at R=1mm**

For further explanation → see page 3.12

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T-type Glissando 110/30°

30° angled application for wood doors

- Opening angle
- Drilling diameter for hinge cup
- Drilling depth
- Hinge on plate mounting system 110°
  35mm
  12mm
  3Way snap-on

Cup type | Item number | Item number |
---|---|---|
Interaxis | 45mm | 48mm |
Ø 35 | 45 | 48 |
Ø 35 | 45 | 48 |

Technical details

Cranking

9mm

Drilling patterns for hinge cups → see page 3.15

100 Pcs  Cup made of steel, arm made of zinc

Legend of hinge cup symbols

- Screw-on ready
- Machine insertion ready
- Easy-fix system

Mounting plates

- Cam adjustable cruciform mounting plate
  → see page 3.67
- Cruciform mounting plate
  → see page 3.69
- Cam adjustable horizontal mounting plate
  → see page 3.67

Hinge cup screws

- 701-0E52-650 701-0E54-650
- 701-0E58-650 701-0E60-650
- 701-0E64-650 701-0E66-650

Legend of hinge cup symbols

- Screw-on ready
- Machine insertion ready
- Easy-fix system

Cover caps for hinge arm → see page 3.169
### Mounting details

- **Damping adjustment**
- **Door adjustment**

#### Mounting plate drilling distance

**For further explanation → see page 3.11**

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#### Mounting plate thickness table

**For further explanation → see page 3.11**

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#### Drawings show application
- On D=0mm thick mounting plate
- L=41 for thickness D=0
  - L=41 for thickness D=1
  - L=40 for thickness D=2
  - L=40 for thickness D=3
  - L=39 for thickness D=4

### Door clearance at R=1mm

**For further explanation → see page 3.12**

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**T-type Glissando 110/45°**

45° angled application for wood doors

- Opening angle: 110°
- Drilling diameter for hinge cup: 35mm
- Drilling depth: 12mm
- Hinge on plate mounting system: 3Way snap-on

---

### Cranking

9mm

---

### Technical details

<table>
<thead>
<tr>
<th>Cup type</th>
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Drilling patterns for hinge cups → see page 3.15

---

**Legend of hinge cup symbols**

- Screw-on ready:
- Machine insertion ready:
- Easy-fix system:

---

**Mounting plates**

- Cam adjustable cruciform mounting plate → see page 3.67
- Cruciform mounting plate → see page 3.69
- Cam adjustable horizontal mounting plate → see page 3.67
- Face frame adapter plate

**Hinge cup screws**

- If not pre-mounted

- Accessories

- 820-6328-050 10000 Pcs

**Cover caps for hinge arm** → see page 3.169

---

100 Pcs Cup made of steel, arm made of zinc
Damping adjustment

Door adjustment

Side adjustment
+3/-1mm

Height adjustment
+2/-2mm

Depth adjustment
+2.5/-2.5mm

For further explanation → see page 3.25
For further explanation → see pages 3.20-3.23

Mounting details

Mounting plate drilling distance

Mounting plate thickness table
For further explanation → see page 3.11

P
7 7.5 8 8.5 9 9.5 10 10.5 11 11.5 12 12.5 13 13.5
3 4 3 2 1 0

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

X
10 11 12 13 14 15 16 17
3 4 3 2 1 0

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

L=49 for thickness D=0
L=48 for thickness D=1
L=47 for thickness D=2
L=46 for thickness D=3
L=45 for thickness D=4

Drawings show application on D=0mm thick mounting plate

Drawings show application on D=1mm thick mounting plate

Door clearance at R=1mm
For further explanation → see page 3.12

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

K
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
T-type Glissando 110/45°

45° angled application for wood doors

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

110°
35mm
12mm
3Way snap-on

Cup type

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100 Pcs Cup made of steel, arm made of zinc

Mounting plates
- Cam adjustable cruciform mounting plate — see page 3.67
- Cruciform mounting plate — see page 3.69
- Cam adjustable horizontal mounting plate — see page 3.67
- Face frame adapter plate

Hinge cup screws
- If not pre-mounted 820-6328-050 10000 Pcs

Legend of hinge cup symbols
- Screw-on ready
- Machine insertion ready
- EasyFix system

Drilling patterns for hinge cups — see page 3.15
T-type Glissando 110/90° For wood door cabinets with blind panels

- Opening angle: 110°
- Drilling diameter for hinge cup: 35mm
- Drilling depth: 12mm
- Hinge on plate mounting system: 3Way snap-on

Cranking 17mm

Technical details

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Drilling patterns for hinge cups → see page 3.15

100 Pcs Cup made of steel, arm made of zinc

Legend of hinge cup symbols

- Screw-on ready
- Machine insertion ready
- Easy-fix system

Mounting plates
- Cam adjustable cruciform mounting plate → see page 3.67
- Cruciform mounting plate → see page 3.69
- Cam adjustable horizontal mounting plate → see page 3.67

Hinge cup screws
- If not pre-mounted: 820-6328-050 10000 Pcs
Damping adjustment

Door adjustment

Side adjustment
+3/-1mm

Height adjustment
+2/-2mm

Depth adjustment
+2.5/-2.5mm

For further explanation → see page 3.25

For further explanation → see pages 3.20-3.23

Mounting details

Mounting plate drilling distance

Drawings show application on D=2mm thick mounting plate

Drawings show application on D=2mm thick mounting plate

Door clearance at R=1mm
For further explanation → see page 3.12

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# 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

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Cranking 0mm

- 150 Pcs
- Made of steel

Cranking 5mm

- 150 Pcs
- Made of steel

### Mounting plates
- Cam adjustable cruciform mounting plate
  → see page 3.67
- Cruciform mounting plate
  → see page 3.69
- Cam adjustable horizontal mounting plate
  → see page 3.67
- Face frame adapter plate
- Push latch

### Hinge cup screws
- 7.5 x 16

### Accessories
- 820-6328-050
  10000 Pcs

### Legend of hinge cup symbols
- Screw-on ready (−) screws
- Machine insertion ready
- EasyFix system

Drilling patterns for hinge cups → see page 3.15
Door adjustment

Side adjustment  
+3/-1mm

Height adjustment  
+2/-2mm

Depth adjustment  
+4/-1mm

For further explanation → see pages 3.20-3.23

Mounting details

Mounting plate drilling distance

Mounting plate thickness table

For further explanation → see page 3.11

D=13+K-x

D=8+K-x

Soft closing systems

Glissando TT  
→ see page 2.15

Glissando CR  
→ see page 2.21

Door clearance at R=1mm

For further explanation → see page 3.12

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</table>
Door adjustment

Side adjustment
+3/-1 mm

Height adjustment
+2/-2 mm

Depth adjustment
+4/-1 mm

For further explanation → see pages 3.20-3.23

Mounting details

Mounting plate drilling distance

Mounting plate thickness table
For further explanation → see page 3.11

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D=4+K×x

Drawing show application on
D=0mm thick mounting plate

Soft closing systems

Glissando TT
→ see page 2.15

Glissando CR
→ see page 2.21

Door clearance at R=1mm
For further explanation → see page 3.12

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D=-4+K+F
**T-type 120**

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

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**Cranking**

0mm

**Technical details**

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**Legend of hinge cup symbols**

- Screw-on ready
- Machine insertion ready
- Easy-fix system

- Hinge cup screws
- If not pre-mounted

- 150 Pcs
- Made of steel

- Mounting plates
- Cam adjustable cruciform mounting plate
  → see page 3.67
- Cruciform mounting plate
  → see page 3.59
- Cam adjustable horizontal mounting plate
  → see page 3.67
- Face frame adapter plate
- Push latch

- Accessories
- 820-6328-050
- 10000 Pcs

- Cover caps for hinge arm
  → see page 3.169
Door adjustment

Side adjustment  +3/-1mm
Height adjustment +2/-2mm
Depth adjustment +2.5/-2.5mm

For further explanation — see pages 3.20–3.23

Mounting details

Mounting plate drilling distance

Mounting plate thickness table

For further explanation — see page 3.11

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D=13+K-x

Drawing shows application on D=10mm thick mounting plate

Soft closing systems

Glissando TT
— see page 2.19

Glissando CR
— see page 2.21

Door clearance at R=1mm

For further explanation — see page 3.12

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Gap Z_{MN} ≥ 2
**T-type 110/15°**

- Opening angle: 110°
- Drilling diameter for hinge cup: 35mm
- Drilling depth: 12mm
- Hinge on plate mounting system: 3Way snap-on

**Technical details**

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![Drilling patterns for hinge cups → see page 3.15](Image)

**Cocking**

9mm

- 100 Pcs: Cup made of steel, arm made of zinc

**Legend of hinge cup symbols**

- Screw-on ready
- Machine insertion ready
- Easy-fix system
### Door adjustment

- **Side adjustment**: +3/-1 mm
- **Height adjustment**: +2/-2 mm
- **Depth adjustment**: +2.5/-2.5 mm

*For further explanation → see pages 3.20-3.23*

---

#### Mounting details

![Mounting details diagram](image)

**Drawings show application on D=0mm thick mounting plate**

---

#### Mounting plate drilling distance

![Mounting plate drilling distance diagram](image)

**For further explanation → see page 3.11**

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#### Mounting plate thickness table

![Mounting plate thickness table diagram](image)

**L=40 for thickness D=0**

**L=40 for thickness D=1**

**L=39 for thickness D=2**

**L=39 for thickness D=3**

**L=38 for thickness D=4**

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#### Soft closing systems

![Soft closing systems diagram](image)

*Glissando TT → see page 2.75*

---

#### Door clearance at R=1mm

*For further explanation → see page 3.12*

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T-type 110/30°

30° angled application 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

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Cup made of steel, arm made of zinc

100 Pcs

Mounting plates
- Cam adjustable cruciform mounting plate
  → see page 3.67
- Cruciform mounting plate
  → see page 3.69
- Cam adjustable horizontal mounting plate
  → see page 3.67
- Face frame adapter plate

Hinge cup screws
- If not pre-mounted
  7.5
  16

820-6328-050
10000 Pcs

Legend of hinge cup symbols
- Screw-on ready
- Machine insertion ready
- Easy-fix system

Drilling patterns for hinge cups → see page 3.15
For further explanation → see pages 3.20-3.23

Door adjustment

Side adjustment +3/-1mm
Height adjustment +2/-2mm
Depth adjustment +2.5/-2.5mm

Mounting details
Mounting plate drilling distance
Mounting plate thickness table
For further explanation → see page 3.11

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Soft closing systems

Glissando TT
→ see page 2.15

Door clearance at R=1mm
For further explanation → see page 3.12

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T-type 110/45°

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

Cup type

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Crankinig 9mm

Drilling patterns for hinge cups → see page 3.15

Legend of hinge cup symbols

- Screw-on ready
- Machine insertion ready
- Easy-fix system

100 Pcs Cup made of steel, arm made of zinc

Mounting plates

Cam adjustable cruciform mounting plate → see page 3.67
Cruciform mounting plate → see page 3.69
Cam adjustable horizontal mounting plate → see page 3.67
Face frame adapter plate

Hinge cup screws

7.5mm 16 - 4 screws
820-6328-050 10000 Pcs

Cover caps for hinge arm → see page 3.169
Door adjustment

Side adjustment: +3/-1mm
Height adjustment: +2/-2mm
Depth adjustment: +2.5/-2.5mm

For further explanation → see pages 3.20-3.23

Mounting details

Mounting plate drilling distance

Mounting plate thickness table

For further explanation → see page 3.11

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Drawings show application on D=9mm thick mounting plate

Drawings show application on D=9mm thick mounting plate

L=49 for thickness D=0
L=48 for thickness D=1
L=47 for thickness D=2
L=46 for thickness D=3
L=48 for thickness D=4

Soft closing systems

Glissando TT

→ see page 2.19

Door clearance at R=1mm

For further explanation → see page 3.12

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**T-type 110/45°**

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

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**Cranking**

17mm

**Mounting plates**
- Cam adjustable cruciform mounting plate → see page 3.67
- Cruciform mounting plate → see page 3.69
- Cam adjustable horizontal mounting plate → see page 3.67
- Face frame adapter plate

**Legend of hinge cup symbols**
- Screw-on ready
- Machine insertion ready
- Easy-fix system

**Legend of accessory symbols**
- Cover caps for hinge arm → see page 3.169

---

**Technical details**

- Cup type
- Item number
- Item number

**Drilling patterns for hinge cups** → see page 3.15

**100 Pcs**

Cup made of steel, arm made of zinc
Mounting details

Mounting plate drilling distance

Mounting plate thickness table

For further explanation → see page 3.11

For further explanation → see page 3.12

Soft closing systems

Door clearance at R=1mm

For further explanation → see page 2.15

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L=45 for thickness D=0
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L=43 for thickness D=2
L=42 for thickness D=3
L=41 for thickness D=4

Door adjustment

Height adjustment

Depth adjustment

+$3/-1$ mm

+$2/-2$ mm

+$2.5/-2.5$ mm

For further explanation → see pages 3.20-3.23
T-type 110/90°

For wood door cabinets with blind panels

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

110°
35mm
12mm
3Way snap-on

Cup type
Item number
Interaxis 45mm
702-0A95-650
702-0A97-650
Interaxis 48mm
702-0D35-650
702-0D37-650
Easyfix
702-0D29-650
702-0D31-650

Drilling patterns for hinge cups → see page 3.15

100 Pcs Cup made of steel, arm made of zinc

Legend of hinge cup symbols

- Screw-on ready
- Machine insertion ready
- Easyfix system

Mounting plates

- Cam adjustable cruciform mounting plate
  → see page 3.67
- Cruciform mounting plate
  → see page 3.69
- Cam adjustable horizontal mounting plate
  → see page 3.67
- Face frame adapter plate

Hinge cup screws
If not pre-mounted
820-6328-050
10000 Pcs
Door adjustment

- Side adjustment: +3/-1 mm
- Height adjustment: +2/-2 mm
- Depth adjustment: +2.5/-2.5 mm

For further explanation → see pages 3.20-3.23

Mounting details  Mounting plate drilling distance

Drawings show application on D=2mm thick mounting plate

Drawings show application on D=2mm thick mounting plate

Soft closing systems
Glissando TT

→ see page 2.19

Door clearance at R=1mm
For further explanation → see page 3.12

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T-type 170

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

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Drilling patterns for hinge cups → see page 3.15

---

Cranking

0mm

- 50 Pcs
- Made of steel and zinc

Cranking

5mm

- 50 Pcs
- Made of steel and zinc

Mounting plates

- Cam adjustable cruciform mounting plate  
  → see page 3.69
- Cruciform mounting plate  
  → see page 3.69
- Cam adjustable horizontal mounting plate  
  → see page 3.67
- Face frame adapter plate

Hinge cup screws

If not pre-mounted

- 820-6328-050  
  10000 Pcs

Legend of hinge cup symbols

- Screw-on ready  
  ← screws
- Machine insertion ready
- EasyFix system

Push latch  
→ see page 3.167
Door adjustment

Side adjustment +3/-1mm
Height adjustment +2/-2mm
Depth adjustment +4/-1mm

For further explanation —> see pages 3.20-3.23

Mounting details

Mounting plate drilling distance

Mounting plate thickness table
For further explanation —> see page 3.11

\[ x \quad 13 \quad 14 \quad 15 \quad 16 \quad 17 \quad 18 \quad 19 \]
\[ K \]
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\[ D=13+K\cdot x \]

Drawings show application on D=20mm mounting plate
In 90° position the door is only 1.4mm distant from side panel

Soft closing systems

Glissando TL 170
—> see page 2.17

Glissando CR
—> see page 2.21

Door clearance at R=1mm
For further explanation —> see page 3.12

\[ V \quad 16 \quad 17 \quad 18 \quad 19 \quad 20 \quad 21 \quad 22 \quad 23 \quad 24 \]
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T-type 170

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

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Drilling patterns for hinge cups → see page 3.15

50 Pcs Made of steel and zinc

Legend of hinge cup symbols
- Screw-on ready
  - → see page 3.67
- Machine insertion ready
  - → see page 3.67
- Easy-fix system
  - → see page 3.67
### Mounting details

- **Diagram 1:** Illustration of mounting details showing dimensions and application on a mounting plate.
- **Diagram 2:** Additional illustration with similar dimensions for a different mounting plate.

**Drawings show application on D=0mm thick mounting plate.**

### Mounting plate drilling distance

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**D=4+K×x**

### Mounting plate thickness table

- **Diagram 1:** Illustration of mounting details showing dimensions and application on a mounting plate.
- **Diagram 2:** Additional illustration with similar dimensions for a different mounting plate.

**Drawings show application on D=0mm thick mounting plate.**

---

### Soft closing systems

- **Glissando TL 170:** (Diagram) See page 2.17
- **Glissando CR:** (Diagram) See page 2.21

---

### Door clearance at R=1mm

For further explanation → see page 3.12

<table>
<thead>
<tr>
<th>V</th>
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**For further explanation → see page 3.20-3.23**
T-type for Pie-cut Corner Cabinet

- Opening angle: 70°
- Drilling diameter for hinge cup: 35mm
- Drilling depth: 11mm
- Hinge on plate mounting system: 3Way snap-on

For wood doors

Corner cabinet

<table>
<thead>
<tr>
<th>Cup type</th>
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<th>Item number</th>
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<td>Interaxis</td>
</tr>
<tr>
<td>Ø 35</td>
<td>45</td>
<td>Ø 35</td>
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</table>

Drilling patterns for hinge cups → see page 3.15

100 Pcs
Cup made of zinc, arm made of steel

Legend of hinge cup symbols

- Screw-on ready screws
- Easy-4x system

Mounting plates
- Cam adjustable cruciform mounting plate → see page 3.67
- Cruciform mounting plate → see page 3.69
- Cam adjustable horizontal mounting plate → see page 3.67

Hinge cup screws
- If not pre-mounted: 820-6328-050 10000 Pcs

Accessories

Cover caps for hinge arm → see page 3.169
Door adjustment

Side adjustment
+2.5/-2.5mm

Height adjustment
+2/-2mm

Depth adjustment
+3/-1mm

For further explanation → see pages 3.20-3.23

Mounting details

Mounting plate drilling distance

Adjustments

Any T-type mounting plate can be used

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

V-16-25mm
K=4-6

25°

70°
T-type Mounting Plates

Cam adjustable cruciform mounting plate 37mm

- 150 Pcs
- Made of steel

Cam adjustable horizontal mounting plate

- 150 Pcs
- Made of steel and zinc
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<thead>
<tr>
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<td>700-0KF0-054</td>
<td>700-0KA0-054</td>
<td>700-0KE0-054</td>
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<td>700-0KA3-054</td>
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| Mounting plate thickness (D) | Item number | Item number | Item number | Item number |
| 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: Pre-mounted 15mm euro screws
- 10.5: Machine insertion ready
- 15: Pre-mounted 10.5mm expanding clowels
- 14.5: Premounted chipboard screw
- 14.5: Premounted chipboard screw
T-type Mounting Plates

3Way snap-on mounting

Cruciform mounting plate 37mm

Drilling pattern
Dimensions

150 Pcs Made of steel

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
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<th>Item number</th>
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<th>Item number</th>
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<td><img src="image" alt="Screw-on ready for chipboard screws" /></td>
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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

**Adjustable damping**
- Adjustable damping assures perfect functioning on every door

**Touch opening**
- Guarantees effortless opening
- Elegant cabinet design
- Doors without handles
S-type-i Plus 110

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

110°
35mm min, 11mm snap-on

**Technical details**

<table>
<thead>
<tr>
<th>Cup type</th>
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<th>Item number</th>
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**Cranking 0mm**

- Made of steel and plastic

**Cranking 9mm**

- Made of steel and plastic

**Mounting plates**
- Cam adjustable mounting plate
- Steel mounting plates
- Zinc diecast mounting plates
- Face frame adapters

**Hinge cup screws**
- If not pre-mounted
- 6.9 15 3.5
- 820-6308-050 10000 Pcs

**Accessories**
- Cover caps for hinge arm
  - See page 3.169

**Legend of hinge cup symbols**
- Screw-on ready
- ← screws

---

Drilling patterns for hinge cups → see page 3.15
**Damping adjustment**

**Door adjustment**

**Side adjustment**
+3/-1 mm

**Height adjustment**
+2/-2 mm

**Depth adjustment**
+1.5/-1.5 mm

For further explanation → see page 3.25

For further explanation → see pages 3.20-3.23

---

### Mounting details

**Mounting plate drilling distance**

**Mounting plate thickness table**
For further explanation → see page 3.11

<table>
<thead>
<tr>
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\[ D = 13 + K \times x \]

Drawings show application on D=0 mm thick mounting plate

---

### Door clearance
For further explanation → see page 3.12

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<tr>
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<td>1.2</td>
<td>1.6</td>
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<tr>
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<td>0.3</td>
<td>0.5</td>
<td>0.7</td>
<td>0.9</td>
<td>1.2</td>
<td>1.5</td>
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Drawings show application on D=0 mm thick mounting plate
# S-type-i 110

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

<table>
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<th>Item number</th>
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<tr>
<td>Interaxis 48mm</td>
<td>954-0230-050</td>
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</table>

## Cranking 0mm
- 200 Pcs
- Made of steel and plastic

## Cranking 9mm
- 200 Pcs
- Made of steel and plastic

## Cranking 15mm
- 200 Pcs
- Made of steel and plastic

## Mounting plates
- Cam adjustable mounting plate → see page 4.713
- Steel mounting plate → see page 4.716
- Zinc diecast mounting plates → see page 4.716
- Face frame adapters

## Hinge cup screws
- If not pre-mounted
- Cam: 6.9
- 3.5
- 15

## Accessories
- Cover caps for hinge arm → see page 3.169

## Legend of hinge cup symbols
- Screw-on ready
- Screw

Drilling patterns for hinge cups → see page 3.15
Damping adjustment

Door adjustment

Side adjustment
+3/-1 mm

Height adjustment
+2/-2 mm

Depth adjustment
+5/-1.5 mm

For further explanation → see page 3.25

For further explanation → see pages 3.20-3.23

Mounting details

Mounting plate drilling distance

Mounting plate thickness table

For further explanation → see page 3.11

<table>
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D=13+K-x

x

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<tr>
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D=4+K-x

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D=-2+K+F

Door clearance

For further explanation → see page 3.12

<table>
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<td>0.9</td>
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<td>1.5</td>
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</table>
S-type-i 110/30°

30° angled application for wood doors

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

110°

35mm

min, 11mm

snap-on

Cup type

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<tr>
<th>Cup type</th>
<th>Item number</th>
<th>Item number</th>
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Technical details

Cranking

9mm

Drilling patterns for hinge cups → see page 3.15

100 Pcs

Cup made of steel and plastic, arm made of zinc

Legend of hinge cup symbols

Screw-on ready (← screws)

Mounting plates

- Cam adjustable mounting plate
  → see page 3.113
- Steel mounting plates
  → see page 3.116
- Zinc diecast mounting plates
  → see page 3.116

Hinge cup screws

If not pre-mounted

- 6.9
- 3.5

820-6308-050

10000 Pcs

Accessories

Cover caps for hinge arm

→ see page 3.169
Damping adjustment

Door adjustment

Side adjustment +3/-1mm
Height adjustment +2/-2mm
Depth adjustment +5/-1.5mm

For further explanation → see page 3.25

For further explanation → see pages 3.20-3.23

Mounting details
Mounting plate drilling distance
Mounting plate thickness table

For further explanation → see page 3.11

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

Drawings show application on
D=3mm thick mounting plate

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

Drawings show application on
D=3mm thick mounting plate

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

Door clearance

For further explanation → see page 3.12

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
S-type-i 110/45°

45° angled application for wood doors

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

110°
35mm min, 11mm snap-on

Craning
9mm

Cup made of steel and plastic, arm made of zinc

Mounting plates
- Cam adjustable mounting plate → see page 3.113
- Steel mounting plates → see page 3.116
- Zinc diecast mounting plates → see page 3.116

Hinge cup screws
If not pre-mounted

Cam adjustable mounting plate

6.9
15
3.5

Screw-on ready

Legend of hinge cup symbols

820-6308-050
10000 Pcs

Drilling patterns for hinge cups → see page 3.15
Damping adjustment

Door adjustment

Side adjustment
+3/-1mm

Height adjustment
+2/-2mm

Depth adjustment
+5/-1.5mm

For further explanation → see page 3.25

For further explanation → see pages 3.20-3.23

Mounting details

Mounting plate drilling distance

Mounting plate thickness table
For further explanation → see page 3.11

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Drawings show application on
D=3mm thick mounting plate

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

Drawings show application on
D=3mm thick mounting plate

Door clearance
For further explanation → see page 3.12

<table>
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For further explanation → see pages 3.20-3.23
S-type-i 110/45°

45° angled application for wood doors

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

110°
35mm min, 11mm snap-on

Cranking
18mm

Technical details

<table>
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Drilling patterns for hinge cups → see page 3.15

100 Pcs Cup made of steel and plastic, arm made of zinc

Legend of hinge cup symbols:

- Screw-on ready
- Screws

Mounting plates

- Cam adjustable mounting plate → see page 3.113
- Steel mounting plates → see page 3.116
- Zinc diecast mounting plates → see page 3.116
- Face frame adapters

Hinge cup screws
If not pre-mounted

| 820-6308-050 |
| 10000 Pcs |

Cover caps for hinge arm → see page 3.169

Accessories
**Damping adjustment**

**Door adjustment**

- **Side adjustment**
  - +3/-1mm

- **Height adjustment**
  - +2/-2mm

- **Depth adjustment**
  - +5/-1.5mm

For further explanation — see page 3.25

For further explanation — see pages 3.20-3.23

---

**Mounting details**

**Mounting plate drilling distance**

**Mounting plate thickness table**

For further explanation — see page 3.11

---

Drawings show application on

- D=18mm thick mounting plate
- D=0mm thick mounting plate

---

Drawings show application on

- D=0mm thick mounting plate

---

**Door clearance**

For further explanation — see page 3.12

<table>
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<tr>
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Fmin
## S-type-i 110/90°

For wood door cabinets with blind panels

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

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### Cranking

18mm

### Technical details

- Drilling patterns for hinge cups → see page 3.15

### Mounting plates

- Cam adjustable mounting plate
  → see page 3.113
- Steel mounting plates
  → see page 3.115
- Zinc diecast mounting plate
  → see page 3.115
- Face frame adapters

### Hinge cup screws

- 820-6308-050
  10000 Pcs

- If not pre-mounted

### Accessories

- Cover caps for hinge arm
  → see page 3.169

### Legend of hinge cup symbols

- Screw-on ready
- ← screws

### Cup made of steel and plastic, arm made of zinc
Damping adjustment

Door adjustment

For further explanation → see page 3.25  For further explanation → see pages 3.20-3.23

Mounting details

Mounting plate drilling distance

Drawings show application on D=0mm thick mounting plate

Drawings show application on D=3mm thick mounting plate

Door clearance

For further explanation → see page 3.12

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For further explanation → see page 3.12
# S-type Plus 110

For wood doors

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

### Cranking 0mm

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Drilling patterns for hinge cups → see page 3.15

### Cranking 9mm

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Drilling patterns for hinge cups → see page 3.15

### Mounting plates

- Cam adjustable mounting plate → see page 3.113
- Steel mounting plates → see page 3.115
- Zinc diecast mounting plates → see page 3.115
- Face frame adapters

### Hinge cup screws

- If not pre-mounted

### Accessories

- Cover caps for hinge arm → see page 3.169
- Push latch → see page 3.167

### Legend of hinge cup symbols

- Screw-on ready (-) screws
- Machine insertion ready
- Easy-fix system

### 820-6308-050

10000 Pcs
Door adjustment

- Side adjustment: +3/-1mm
- Height adjustment: +2/-2mm
- Depth adjustment: +1.5/-1.5mm

For further explanation → see pages 3.20-3.23

Mounting details

Mounting plate drilling distance

Mounting plate thickness table

For further explanation → see page 3.11

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D=13+K·x

Drawings show application on D=9mm thick mounting plate

Soft closing systems

- Glissando TL → see page 2.15
- Glissando CR → see page 2.21

Door clearance

For further explanation → see page 3.12

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S-type Plus 110
Touch opening

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

110°
35mm
11.5mm
snap-on

Cranking
0mm

- 200 Pcs
- Made of steel

Cranking
9mm

- 200 Pcs
- Made of steel

Catches

- Catch
- Catch with base plate
- Knock-in pad
- Self adhesive pad

- 100 Pcs
- Made of plastic

Mounting plates

- Cam adjustable mounting plate
  → see page 3.113
- Steel mounting plates
  → see page 3.116
- Zinc diecast mounting plates
  → see page 3.116

Hinge screws

- 820-6308-050
  10000 Pcs

Legend of hinge cup symbols

- Screw-on ready
  ← screws

Drilling patterns for hinge cups → see page 3.15
- Hinge integrated self-opening mechanism
- Effortless opening with just a light touch

For further explanation → see pages 3.20-3.23

Door adjustment

- Side adjustment
  +3/-1mm
- Height adjustment
  +2/-2mm
- Depth adjustment
  +1.5/-1.5mm

Mounting details

Mounting plate drilling distance

Mounting plate thickness table

For further explanation → see page 3.11

<table>
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D=13+Kx

Drawings show application on D=0mm thick mounting plate

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D=4+Kx

Drawings show application on D=0mm thick mounting plate

Catch

Catch with base plate

Fixing of pad depends on the catch position pre-drilled hole Ø2 / 10mm

Door clearance

For further explanation → see page 3.12

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Cover caps for hinge arm

→ see page 3.169
S-type 110

For wood doors

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

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200 Pcs Made of steel

Drilling patterns for hinge cups → see page 3.15

Cranking 0mm

Cranking 9mm

Cranking 15mm

Mounting plates
- Cam adjustable mounting plate → see page 3.113
- Steel mounting plates → see page 3.115
- Zinc diecast mounting plates → see page 3.115
- Face frame adapters

Hinge cup screws
- If not pre-mounted
- Screw-on ready ← screws
- Machine insertion ready
- Easy-fix system
- Preinserted expando dowels

Legend of hinge cup symbols

820-6308-050 10000 Pcs

Translated by a professional translator.
Door adjustment

Side adjustment
+3/-1mm
Height adjustment
+2/-2mm
Depth adjustment
+5/-1.5mm

For further explanation → see pages 3.20-3.23

Mounting details
Mounting plate drilling distance
Mounting plate thickness table
For further explanation → see page 3.11

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D=13+K-x

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D=4+K-x

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D=-2+K-F

Soft closing systems
Glissando TL → see page 2.19
Glissando CR → see page 2.21

Accessories
Cover caps for hinge arm → see page 3.169
Push latch → see page 3.167

Door clearance
For further explanation → see page 3.12

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</table>
S-type 110/-15°

-15° angled application for wood doors

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

110°
35mm
11.5mm
snap-on

Cup made of steel, arm made of zinc

100 Pcs

Cup type
Item number

Interaxis
45mm

45
Ø 35

5

248-0V14-050

Interaxis
48mm

48
Ø 35

5

248-0V39-050

Interaxis
52mm

52
Ø 35

5.5

248-0V40-050

248-0V41-050

248-0V42-050

248-0V43-050

Drilling patterns for hinge cups — see page 3.15

Legend of hinge cup symbols

Screw-on ready
Machine insertion ready

820-6308-050
10000 Pcs

Mounting plates

Cam adjustable mounting plate
Steel mounting plates
Zinc diecast mounting plates

→ see page 3.113
→ see page 3.115
→ see page 3.115
Door adjustment

Side adjustment +3/-1mm
Height adjustment +2/-2mm
Depth adjustment +5/-1.5mm

For further explanation → see pages 3.20-3.23

For further explanation → see page 3.11

Mounting details

Mounting plate drilling distance

Mounting plate thickness table

Drawings show application on Du80mm thick mounting plate

Accessories

Cover caps for hinge arm → see page 3.169

Door clearance

For further explanation → see page 3.12

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S-type 110/15°

15° angled application for wood doors

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

110°
35mm
11.5mm
snap-on

Cup type | Item number | Interaxis | Item number | Interaxis | Item number | Interaxis
---------|-------------|-----------|-------------|-----------|-------------|-----------
45mm     | 248-0080-050| 48mm     | 248-0V62-050| 52mm     | 248-0C86-050|

Cup made of steel, arm made of zinc

100 Pcs

Mounting plates
- Cam adjustable mounting plate
  → see page 3.113
- Steel mounting plates
  → see page 3.115
- Zinc diecast mounting plates
  → see page 3.115

Hinge cup screws
- If not pre-mounted

820-6308-050
10000 Pcs

Legend of hinge cup symbols
- Screw-on ready
  ← screws

Drilling patterns for hinge cups → see page 3.15
Door adjustment

Side adjustment +3/-1mm
Height adjustment +2/-2mm
Depth adjustment +5/-1.5mm

For further explanation → see pages 3.20-3.23

Mounting details
Mounting plate drilling distance
Mounting plate thickness table
For further explanation → see page 3.11

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

L=37 for thickness D=0
L=36 for thickness D=1
L=36 for thickness D=2
L=35 for thickness D=3
L=33 for thickness D=4

Door clearance
For further explanation → see page 3.12

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S-type 110/24°

24° angled application for wood doors

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

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Drilling patterns for hinge cups → see page 3.15

Cup made of steel, arm made of zinc

100 Pcs

Mounting plates
- Cam adjustable mounting plate → see page 3.113
- Steel mounting plates → see page 3.115
- Zinc diecast mounting plates → see page 3.115

Legend of hinge cup symbols
- Screw-on ready
- Machine insertion ready

820-6308-050
10000 Pcs

Hinge cup screws
- If not pre-mounted

9mm
Door adjustment

Side adjustment +3/-1mm
Height adjustment +2/-2mm
Depth adjustment +5/-1.5mm

For further explanation → see pages 3.20-3.23

Mounting details

Mounting plate drilling distance

Mounting plate thickness table

For further explanation → see page 3.11

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Drawings show application on Du9mm thick mounting plate

Soft closing systems

Glissando TL → see page 2.19

Accessories

Cover caps for hinge arm → see page 3.169

Door clearance

For further explanation → see page 3.12

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### S-type 110/30°

**30° angled application for wood doors**

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

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*Drilling patterns for hinge cups ➔ see page 3.15*

---

**Cranking 9mm**

- Cup made of steel, arm made of zinc

- **Mounting plates**
  - Cam adjustable mounting plate ➔ see page 3.113
  - Steel mounting plates ➔ see page 3.115
  - Zinc diecast mounting plates ➔ see page 3.116

- **Hinge cup screws**
  - If not pre-mounted
  - 820-6308-050
  - 10000 Pcs

- **Legend of hinge cup symbols**
  - Screw-on ready ➔ screws
  - Machine insertion ready
Door adjustment

Side adjustment +3/-1mm
Height adjustment +2/-2mm
Depth adjustment +5/-1.5mm

For further explanation → see pages 3.20-3.23

Mounting details

Mounting plate drilling distance

Mounting plate thickness table
For further explanation → see page 3.11

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Drawings show application on D=3mm thick mounting plate

| L=37 for thickness D=0 |
| L=36 for thickness D=1 |
| L=35 for thickness D=2 |
| L=34 for thickness D=3 |
| L=31 for thickness D=8 |

Door clearance
For further explanation → see page 3.12

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Soft closing systems

Glissando TL → see page 2.19

Accessories

Cover caps for hinge arm → see page 3.169
S-type 110/45°

45° angled application for wood doors

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

Cup type | Item number | Cup type | Item number | Cup type | Item number
--- | --- | --- | --- | --- | ---
Interaxis 45mm | 248-0433-050 | Interaxis 48mm | 248-0431-050 | Interaxis 52mm | 248-0518-050

Drilling patterns for hinge cups → see page 3.15

200 Pcs Cup made of steel, arm made of zinc

Mounting plates
- Cam adjustable mounting plate → see page 3.113
- Steel mounting plates → see page 3.115
- Zinc diecast mounting plates → see page 3.115

Hinge cup screws
- If not pre-mounted
- 820-6308-050 10000 Pcs

Legend of hinge cup symbols
- Screw-on ready ← screws
- Machine insertion ready

9mm Cranking

279x104 to 295x120
228x105 to 260x120
141x394 to 277x512
57x517 to 278x653
355x722 to 582x776
341x500 to 350x509
341x473 to 350x484
410x580 to 415x585
378x580 to 384x585
480x580 to 486x585
448x580 to 454x585
551x580 to 557x585
519x580 to 525x585
Door adjustment

+ -

Side adjustment +3/-1mm

Height adjustment +2/-2mm

Depth adjustment +5/-1.5mm

For further explanation → see pages 3.20-3.23

Mounting details

Mounting plate drilling distance

Mounting plate thickness table

For further explanation → see page 3.11

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Drawings show application on D=3mm thick mounting plate

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

Soft closing systems

Glissando TL → see page 2.15

Accessories

Cover caps for hinge arm → see page 3.169

Door clearance

For further explanation → see page 3.12

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S-type 110/45°

45° angled application for wood doors

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

110°
35mm
11.5mm
snap-on

Cup type | Item number | Item number | Item number
--- | --- | --- | ---
45mm | 248-0285-050 | 248-0283-050 | 248-0291-050
48mm | 248-0N21-050 | 248-0N21-050 | 248-0N22-050
52mm

Drilling patterns for hinge cups —— see page 3.15

Cup made of steel, arm made of zinc

100 Pcs

Legend of hinge cup symbols

Screw-on ready
Machine insertion ready

Mounting plates
- Cam adjustable mounting plate
  — see page 3.113
- Steel mounting plates
  — see page 3.115
- Zinc diecast mounting plates
  — see page 3.115
- Face frame adapters

Hinge cup screws
If not pre-mounted

820-6308-050
10000 Pcs
Door adjustment

- Side adjustment +3/-1mm
- Height adjustment +2/-2mm
- Depth adjustment +5/-1.5mm

For further explanation → see pages 3.20-3.23

Mounting details

Mounting plate drilling distance

Mounting plate thickness table
For further explanation → see page 3.11

Drawings show application on D=18mm thick mounting plate

Drawings show application on D=0mm thick mounting plate

Drawings show application on D=0mm thick mounting plate

K  3  4  5
D  0  1  2

Soft closing systems

Glissando TL
→ see page 2.15

Accessories

Cover caps for hinge arm
→ see page 3.169

Door clearance
For further explanation → see page 3.12

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  $F_{MN}$
S-type 110/90°

For wood door cabinets with blind panels

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

Cranking 18mm

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Drilling patterns for hinge cups — see page 3.15

100 Pcs
Cup made of steel, arm made of zinc

Mounting plates
- Cam adjustable mounting plate — see page 3.113
- Steel mounting plates — see page 3.115
- Zinc diecast mounting plates — see page 3.115

Hinge cup screws
- If not pre-mounted

Legend of hinge cup symbols
- Screw-on ready
- Machine insertion ready
- Easy-fix system

820-6308-050
10000 Pcs
S-type 110

- Opening angle
- Hinge on plate mounting system

110°

Cup made of zinc, arm made of steel

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Mounting plates:
- Cam adjustable mounting plate
  → see page 3.113
- Steel mounting plates
  → see page 3.115
- Zinc diecast mounting plates
  → see page 3.115
- Face frame adapters
Door adjustment

Side adjustment +3/-1 mm
Height adjustment +2/-2 mm
Depth adjustment +5/-1.5 mm

For further explanation → see pages 3.20-3.23

Mounting details

Mounting plate drilling distance

Mounting plate thickness table
For further explanation → see page 3.11

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<tr>
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<td>0</td>
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</table>

Drawings show application on Du10mm thick mounting plate

Drilling pattern for aluminium frame hinges

Screws included

Accessories

Cover caps for hinge arm
→ see page 3.169

Door clearance
For further explanation → see page 3.12

<table>
<thead>
<tr>
<th>H</th>
<th>17</th>
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S-type 170

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

135°-165°

<table>
<thead>
<tr>
<th>Interaxis</th>
<th>45mm</th>
<th>48mm</th>
<th>52mm</th>
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<td>Item number</td>
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</table>

Drilling patterns for hinge cups → see page 3.15

Cranking

0mm

50 Pcs Made of steel and zinc

Cranking

0mm

With adjustable opening angle

50 Pcs Made of steel and zinc

Mounting plates

- Cam adjustable mounting plate → see page 3.113
- Steel mounting plates → see page 3.115
- Zinc diecast mounting plates → see page 3.115
- Face frame adapters

Hinge cup screws

If not pre-mounted

Legend of hinge cup symbols

- Screw-on ready ← screws
- Machine insertion ready
- Preinserted euroco Dowels

820-6308-050 10000 Pcs
Door adjustment

Side adjustment
+3/-1 mm

Height adjustment
+2/-2 mm

Depth adjustment
+5/-1.5 mm

For further explanation → see pages 3.20-3.23

Mounting details

Mounting plate drilling distance

Mounting plate thickness table
For further explanation → see page 3.11

\[
x \quad 10 \quad 11 \quad 12 \quad 13 \quad 14 \quad 15 \quad 16 \quad 17 \quad 18 \quad 19 \quad 20
\]

\[
3 \quad 6 \quad 5 \quad 4 \quad 3 \quad 2 \quad 1 \quad 0
\]

\[
4 \quad 6 \quad 5 \quad 4 \quad 3 \quad 2 \quad 1 \quad 0
\]

K 5

6

7

\[
D=13+K\times x
\]

C value with D=0 mounting plates

\[
K \quad 3 \quad 4 \quad 5 \quad 6 \quad 7
\]

C -9.0 -8.1 -7.1 -6.1 -5.2 D

Soft closing systems

Glissando TL 170 → see page 2.17

Glissando CR → see page 2.21

Accessories

Push latch → see page 3.167

Door clearance
For further explanation → see page 3.12

\[
V \quad 16 \quad 17 \quad 18 \quad 19 \quad 20 \quad 21 \quad 22 \quad 23 \quad 24
\]

3

4

K 5

6

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 2.6
S-type 170

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

135°-165°

Cup type
Item
type
number

Interaxis
45mm

45

8

5

35

248-0162-050

Interaxis
48mm

48

8

5

35

248-0163-050

Interaxis
52mm

52

8

5

35


Drilling patterns for hinge cups → see page 3.15

50 Pcs
Made of steel and zinc

Mounting plates
Cam adjustable mounting plate
Steel mounting plates
Zinc diecast mounting plates
Face frame adapters

Hinge cup screws
If not pre-mounted

820-6308-050
10000 Pcs

Legend of hinge cup symbols
Screw-on ready
← screws
For further explanation → see pages 3.20-3.23

For further explanation → see page 3.11

C value with D=0 mounting plates

<table>
<thead>
<tr>
<th>K</th>
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<th>5</th>
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Soft closing systems

Glissando TL 170
→ see page 2.17

Glissando CR
→ see page 2.21

For further explanation → see page 3.12

<table>
<thead>
<tr>
<th>V</th>
<th>16</th>
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</table>
S-type
for Pie-cut Corner Cabinet

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

<table>
<thead>
<tr>
<th>Cup type</th>
<th>Interaxis 45mm</th>
<th>Interaxis 48mm</th>
<th>Interaxis 52mm</th>
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<td>248-0V15-050</td>
<td>248-0Z20-050</td>
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</table>

Drilling patterns for hinge cups → see page 3.15

100 Pcs
Cup made of steel, arm made of zinc

Legend of hinge cup symbols
- Screw-on ready
- Machine insertion ready
Door adjustment

Side adjustment
+3/-1 mm

Height adjustment
+2/-2 mm

Depth adjustment
+5/-1.5 mm

For further explanation → see pages 3.20-3.23

Mounting details

Mounting plate drilling distance

Adjustments

V = 16 - 22 mm
K = 3 - 5 mm

Any S-type-i mounting plate of thickness D=0 can be used

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

Accessories

Cover caps for hinge arm
→ see page 3.169
S-type
Mounting Plates

Cam adjustable mounting plate

For all S-type concealed hinges

Drilling pattern
Dimensions

200 Pcs Made of steel
<table>
<thead>
<tr>
<th>Mounting Plate Type</th>
<th>13</th>
<th>15</th>
<th></th>
<th>10.5</th>
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<td>Item number</td>
<td>Item number</td>
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<td>244-0258-050</td>
<td>244-0261-050</td>
<td>*244-0264-050</td>
<td>*244-0342-050</td>
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<tr>
<td>2mm</td>
<td>244-0259-050</td>
<td>244-0262-050</td>
<td>*244-0265-050</td>
<td>*244-0343-050</td>
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<td>244-0263-050</td>
<td>*244-0266-050</td>
<td>*244-0344-050</td>
</tr>
</tbody>
</table>

* 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

Steel mounting plates

| 200 Pcs | Made of steel |

| 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

Chipboard screws
820-6328-050

5000 Pcs

10000 Pcs
## Mounting Plate Thickness

**Height adjustment +/- 2mm**

<table>
<thead>
<tr>
<th>Mounting Plate Type</th>
<th>Item Number</th>
<th>Item Number</th>
<th>Item Number</th>
<th>Item Number</th>
<th>Item Number</th>
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<td>244-0166-050</td>
<td>244-OP26-050</td>
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<td>1 mm</td>
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<td>244-0561-050</td>
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<td>244-0120-050</td>
<td>244-0568-050</td>
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<td>244-0562-050</td>
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</tbody>
</table>

* Available upon special request — see page 0.3

* Mounting plates with premounted 7.5mm expanding dowels available upon special request — see page 0.3

### Legend of Mounting Plate Type Symbols

- **Screw-on ready for euro screws**
- **Screw-on ready for chipboard screws**
- **Pre-mounted 11mm euro screws**
- **Pre-mounted 13mm euro screws**
- **Pre-mounted chipboard screws**
- **Machine insertion ready**
- **Pre-mounted 10.5mm expanding dowels**
S-type
Face Frame
Mounting Plates

Face frame adapter for S-type hinges

Drilling pattern
Dimensions

200 Pcs  Made of zinc alloy

Face frame adapter for S-type hinges cam adjustable

Fixing screw for mounting plates
If not pre-mounted

Chipboard screws
820-6328-050
10000 Pcs
### Mounting Plate Thickness

<table>
<thead>
<tr>
<th>Mounting Plate Type</th>
<th>Mounting Plate Thickness (D)</th>
<th>Item Number</th>
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<tbody>
<tr>
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<tr>
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Legend of mounting plate type symbols

![Symbol 1]

Screw-on ready for chipboard screws

← Screws
B-type Hinges

Slide-on mounting system
- Proven and reliable hinge-to-plate mounting solution
- Cost effectiveness

Designed for a wide use
- Solution for different applications and materials
- Proven solution for RTA furniture, household application and tall cabinets

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
- Rigid slide-on hinge design enables optimal performance when used with soft closer

Adjustable damping
- Adjustable damping assures perfect functioning on every door
**B-type-i 110**

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

110°
- 35mm min, 11mm slide-on

<table>
<thead>
<tr>
<th>Cranking</th>
<th>Technical details</th>
<th>Cup type</th>
<th>Item number</th>
<th>Item number</th>
</tr>
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<tbody>
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<td>200 Pcs</td>
<td>Made of steel and plastic</td>
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</table>

- **Mounting plates**
  - Steel mounting plates → see page 3.153
  - Zinc diecast mounting plates → see page 3.153

- **Hinge cup screws**
  - If not pre-mounted
  - 820-6308-050 10000 Pcs

- **Legend of hinge cup symbols**
  - Screw-on ready
  - Accessories
  - Cover caps for hinge arm → see page 3.169
Damping adjustment

Door adjustment

Side adjustment
+3/-0.5mm

Height adjustment
+2/-2mm

Depth adjustment
+4/-0.0mm

For further explanation — see page 3.25

For further explanation — see pages 3.20-3.23

<table>
<thead>
<tr>
<th>Mounting details</th>
<th>Mounting plate drilling distance</th>
<th>Mounting plate thickness table</th>
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<tbody>
<tr>
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</table>

Drawings show application on
D=0mm thick mounting plate

D=13+K×x

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<td>3</td>
<td>2</td>
<td>1</td>
<td>0</td>
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</table>

For further explanation — see page 3.11

D=4+K×x

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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>K</td>
<td>4</td>
<td>6</td>
<td>5</td>
<td>4</td>
<td>3</td>
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<td>1</td>
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Drawings show application on
D=3mm thick mounting plate

D=2+K+F

<table>
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Door clearance

For further explanation — see page 3.12

<table>
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<td>K</td>
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<td>0.5</td>
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<td>1.2</td>
<td>1.6</td>
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<tr>
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<td>0.5</td>
<td>0.7</td>
<td>0.9</td>
<td>1.2</td>
<td>1.5</td>
<td>2.0</td>
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</table>

D=7+Z×2
B-type-i 110/30°

30° angled application for wood doors

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

110°
35mm min., 11mm slide-on

Cup type | Item number | Item number
--- | --- | ---
Interaxis 45mm | 954-0153-650 | 954-0147-650
Interaxis 48mm | 45 | 48
Ø 35 | Ø 35

Technical details

Drilling patterns for hinge cups → see page 3.15

Cup made of steel and plastic, arm made of zinc

100 Pcs

Mounting plates
- Steel mounting plates → see page 3.153
- Zinc diecast mounting plates → see page 3.153

Hinge cup screws
If not pre-mounted

820-6308-050
10000 Pcs

Legend of hinge cup symbols

Screw-on ready ← screws

Accessories

Cover caps for hinge arm → see page 3.169
Damping adjustment

Door adjustment

Side adjustment
+3/-0.5mm

Height adjustment
+2/-2mm

Depth adjustment
+4/-0.0mm

For further explanation —> see page 3.25
For further explanation —> see pages 3.20-3.23

Mounting details

Mounting plate drilling distance

Mounting plate thickness table
For further explanation —> see page 3.11

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Drawings show application

D=3mm thick mounting plate

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

Drawings show application

D=3mm thick mounting plate

Door clearance
For further explanation —> see page 3.12

<table>
<thead>
<tr>
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For further explanation —> see pages 3.20-3.23
# B-type-i 110/45°

45° angled application for wood doors

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

<table>
<thead>
<tr>
<th>Cup type</th>
<th>Item number</th>
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<th>Interaxis 48mm</th>
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<td></td>
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<td></td>
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Cup made of steel and plastic, arm made of zinc

## Technical details

- Drilling patterns for hinge cups → see page 3.15

### Mounting plates

- Steel mounting plates
  → see page 3.153

- Zinc diecast mounting plates
  → see page 3.153

### Hinge cup screws

- If not pre-mounted

### Accessories

- Cover caps for hinge arm
  → see page 3.169

### Legend of hinge cup symbols

- Screw-on ready
- Screws

- 200 Pcs
- 820-6308-050
- 10000 Pcs
**Damping adjustment**

**Door adjustment**

- **Side adjustment**
  - +3/-0.5mm
- **Height adjustment**
  - +2/-0mm
- **Depth adjustment**
  - +4/-0mm

For further explanation → see page 3.25

**Mounting details**

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<thead>
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<th>Mounting plate thickness table</th>
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For further explanation → see page 3.11

**Mounting plate drilling distance**

- **Drawings show application on D=3mm thick mounting plate**

**Door clearance**

For further explanation → see page 3.12

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L=36 for thickness D=0
L=35 for thickness D=1
L=34 for thickness D=2
L=33 for thickness D=3
B-type-i 110/45°

45° angled application for wood doors

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

110°
35mm min, 11mm slide-on

Cranking
18mm

Technical details

<table>
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Drilling patterns for hinge cups → see page 3.15

200 Pcs
Cup made of steel and plastic, arm made of zinc

Mounting plates
- Steel mounting plates → see page 3.153
- Zinc diecast mounting plates → see page 3.153

Hinge cup screws
If not pre-mounted 820-6308-050 10000 Pcs

Legend of hinge cup symbols
- Screw-on ready ← screws
- Accessories
- Cover caps for hinge arm → see page 3.169
B-type-i 110/90°

For wood door cabinets with blind panels

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

110°
35mm min, 11mm slide-on

Technical details

<table>
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<th>Cup type</th>
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Cranking
18mm

200 Pcs
Cup made of steel and plastic, arm made of zinc

Blind panel mounting plate

200 Pcs
Cup made of steel and plastic, arm made of zinc

Mounting plates

These hinges can only be used with blind panel mounting plates

Hinge cup screws
If not pre-mounted

820-6308-050
10000 Pcs

Legend of hinge cup symbols

Screw-on ready ← screws

Accessories

Cover caps for hinge arm
→ see page 3.169

Drilling patterns for hinge cups → see page 3.15

This mounting plate can be used only with B-type-i 110/90° hinges.
Information about mounting plate symbols → see page 3.153
Damping adjustment

Door adjustment

Side adjustment +3/-0.5mm
Height adjustment +2/-2mm
Depth adjustment +4/-0.0mm

For further explanation → see page 3.25

For further explanation → see pages 3.20-3.23

Mounting details

Mounting plate drilling distance

Door clearance

For further explanation → see page 3.12

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B-type 110

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

110°
35mm min, 11.5mm slide-on

Cranking

0mm

200 Pcs Made of steel

Cranking

9mm

200 Pcs Made of steel

Cranking

15mm

200 Pcs Made of steel

Mounting plates

Steel mounting plates
→ see page 3.153

Zinc diecast mounting plates
→ see page 3.153

Hinge cup screws
If not pre-mounted

Screw-on ready
→ see page 3.153

820-6308-050
10000 Pcs

Legend of hinge cup symbols

Machine insertion ready

For wood doors
**Mounting details**

**Mounting plate drilling distance**

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**Drawings show application on**

**D=0mm thick mounting plate**

**Soft closing systems**

**Glissando TL** → see page 2.19

**Glissando CR** → see page 4.21

**Accessories**

**Cover caps for hinge arm** → see page 3.169

**Push latch** → see page 3.167

**Door clearance**

For further explanation → see page 3.12

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B-type 110/30°

30° angled application for wood doors

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

110°
35mm
11.5mm
slide-on

Cup made of steel, arm made of zinc

200 Pcs

Cup type | Item number | Item number | Item number
---|---|---|---
Interaxis 45mm | 248-0G57-050 | 248-0G52-050 | 248-0G62-050
Interaxis 48mm | 248-0G82-050 | 248-0L72-050
Interaxis 52mm

Drilling patterns for hinge cups → see page 3.15

Mounting plates
Steel mounting plates → see page 3.153
Zinc diecast mounting plates → see page 3.153

Hinge cup screws
If not pre-mounted

820-6308-050
10000 Pcs

Legend of hinge cup symbols
Screw-on ready (→) screws
Machine insertion ready
Door adjustment

- Side adjustment: +3/-0.5mm
- Height adjustment: +2/-2mm
- Depth adjustment: +4/-0mm

For further explanation → see pages 3.20-3.23

Mounting details

Mounting plate drilling distance

Mounting plate thickness table

For further explanation → see page 3.11

Drawings show application on D=3mm thick mounting plate

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Drawings show application on D=3mm thick mounting plate

L=37 for thickness D=0
L=36 for thickness D=1
L=35 for thickness D=2
L=34 for thickness D=3
L=31 for thickness D=4

Soft closing systems

Glissando TL → see page 2.15

Accessories

Cover caps for hinge arm → see page 3.169

Door clearance

For further explanation → see page 3.12

<table>
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<tr>
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B-type 110/45°

45° angled application for wood doors

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

110°
35mm
11.5mm
slide-on

Cup type | Item number | Interaxis | Item number | Interaxis | Item number | Interaxis
---------|-------------|-----------|-------------|-----------|-------------|-----------
45mm     | 248-0L32-650| Interaxis | 48mm        | 248-0L27-650| Interaxis | 52mm
         | 248-0N38-050|            | 248-0L71-050|            |

Drilling patterns for hinge cups → see page 3.15

200 Pcs  Cup made of steel, arm made of zinc

Mounting plates
- Steel mounting plates → see page 3.153
- Zinc diecast mounting plates → see page 3.153

Hinge cup screws
- If not pre-mounted

820-6308-050  10000 Pcs

Legend of hinge cup symbols
- Screw-on ready
- Machine insertion ready
Door adjustment

Side adjustment +3/-0.5mm  Height adjustment +2/-2mm  Depth adjustment +4/-0.0mm

For further explanation → see pages 3.20-3.23

Mounting details  Mounting plate drilling distance  Mounting plate thickness table

For further explanation → see page 3.11

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Drawings show application on D=3mm thick mounting plate

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Drawings show application on D=3mm thick mounting plate

L=38 for thickness D=0  L=35 for thickness D=1  L=34 for thickness D=2  L=33 for thickness D=3

Soft closing systems  Accessories

Glissando TL  → see page 2.15  Cover caps for hinge arm  → see page 3.169

Door clearance
For further explanation → see page 3.12

<table>
<thead>
<tr>
<th>V</th>
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B-type 110/45°

45° angled application for wood doors

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

<table>
<thead>
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<th>Cup type</th>
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<th>Item number</th>
<th>Item number</th>
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Cranking 18mm

200 Pcs  Cup made of steel, arm made of zinc

Mounting plates
- Steel mounting plates
  → see page 3.153
- Zinc diecast mounting plates
  → see page 3.153

Hinge cup screws
- If not pre-mounted

820-6308-050  10000 Pcs

Legend of hinge cup symbols
- Screw-on ready
- Machine insertion ready

Drilling patterns for hinge cups → see page 3.15
**B-type 110/90°**

For wood door cabinets with blind panels

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

### Cranking 18mm

- 200 Pcs
- Cup made of steel, arm made of zinc

### Cranking 0mm

- 200 Pcs
- Cup made of steel, arm made of zinc

### Cranking

- 200 Pcs
- Made of zinc

### Mounting plates

- These hinges can only be used with blind panel mounting plates

### Hinge cup screws

- If not pre-mounted

**Legend of hinge cup symbols**

- Screw-on ready (← screws)
- Machine insertion ready
- Pre-mounted euro screws

---

**Technical details**

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*Drilling patterns for hinge cups → see page 3.15*

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</table>

*Drilling patterns for hinge cups → see page 3.15*

**Legend of hinge cup symbols**

- Screw-on ready (← screws)
- Machine insertion ready
- Pre-mounted euro screws

---

**Information about mounting plate symbols → see page 3.15**

**Legend of hinge cup symbols**

- Screw-on ready (← screws)
- Machine insertion ready
- Pre-mounted euro screws
Door adjustment

Side adjustment: +3/-0.5mm
Height adjustment: +2/-2mm
Depth adjustment: +4/-0mm

For further explanation → see pages 3.20-3.23

Mounting details

Mounting plate drilling distance

Soft closing systems
- Glissando TL: → see page 2.19

Accessories
- Cover caps for hinge arm: → see page 3.169

Door clearance
For further explanation → see page 3.12

<table>
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</table>
B-type 110

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

110°
35mm
11.5mm
slide-on

Cup type
Item number

Interaxis
28mm

Cranking
0mm

200 Pcs
Cup made of zinc, arm made of steel

Mounting plates

Steel mounting plates
→ see page 3.153

Zinc die-cast mounting plates
→ see page 3.153
Door adjustment

Side adjustment +3/-0.5mm
Height adjustment +2/-2mm
Depth adjustment +4/-0.0mm

For further explanation → see pages 3.20-3.23

Mounting details

Mounting plate drilling distance

Mounting plate thickness table
For further explanation → see page 3.11

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Drawings show application on Dw6mm thick mounting plate

Drilling pattern for aluminium frame hinges

Screws included

Accessories

Cover caps for hinge arm → see page 3.169

Door clearance
For further explanation → see page 3.12

<table>
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<tr>
<th>H</th>
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## B-type 110

### For aluminium frame doors

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

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- 200 Pcs Made of steel

### Mounting plates

- Steel mounting plates → see page 3.153
- Zinc diecast mounting plates → see page 3.153
Door adjustment

- Side adjustment: +3/-0.5mm
- Height adjustment: +2/-2mm
- Depth adjustment: +4/-0mm

For further explanation → see pages 3.20-3.23

Mounting details

Mounting plate drilling distance

Mounting plate thickness table
For further explanation → see page 3.11

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Soft closing systems

- Glissando AL → see page 2.19

Accessories

- Cover caps for hinge arm → see page 3.169

Door clearance
For further explanation → see page 3.12

<table>
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<tr>
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B-type 170

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

135°-165°

For wood doors

Technical details

<table>
<thead>
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<th>Cup type</th>
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</table>

Cranking

0mm

50 Pcs

Made of steel and zinc

Cranking

0mm

With adjustable opening angle

50 Pcs

Made of steel and zinc

Mounting plates

Steel mounting plates → see page 3.153

Zinc diecast mounting plates → see page 3.153

Hinge cup screws

6.9

3.5

15

820-6308-050

10000 Pcs

Legend of hinge cup symbols

Screw-on ready ← screws

Machine insertion ready

Drilling patterns for hinge cups → see page 3.15

Drilling patterns for hinge cups → see page 3.15

* Available upon special request → see page 0.3

Adjustable opening angle

165° 135°
- Enable better accessibility into cabinet interior due to the wider opening angle
- Opening angle can be easily adjusted by rotating the appropriate screw on hinge arm

For further explanation → see pages 3.20-3.23

Door adjustment

<table>
<thead>
<tr>
<th>Side adjustment</th>
<th>Height adjustment</th>
<th>Depth adjustment</th>
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<tbody>
<tr>
<td>+3/-0.5mm</td>
<td>+2/-2mm</td>
<td>+4/-0mm</td>
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</table>

For further explanation → see page 3.11

Mounting details | Mounting plate drilling distance | Mounting plate thickness table

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=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 2.17

- Glissando CR
  → see page 4.21

Accessories

- Push latch
  → see page 3.167

Door clearance

For further explanation → see page 3.12

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B-type 170

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

135°-165°

135°-165°

- 35mm
- 112mm
- slide-on

Cup type | Item number | Interaxis | Item number | Interaxis | Item number |
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<thead>
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- Cranking
- 9mm

Drilling patterns for hinge cups → see page 3.15

Mounting plates
- Steel mounting plates
  → see page 3.153
- Zinc diecast mounting plates
  → see page 3.153

Hinge cup screws
- If not pre-mounted

Legend of hinge cup symbols
- Screw-on ready
- ← screws

50 Pcs Made of steel and zinc

820-6308-050 10000 Pcs
- Enable better accessibility into cabinet interior due to the wider opening angle
- Opening angle can be easily adjusted by rotating the appropriate screw on hinge arm

Door adjustment

Side adjustment
+3/-0.5mm

Height adjustment
+2/-2mm

Depth adjustment
+4/-0.0mm

For further explanation → see pages 3.20-3.23

Mounting details
Mounting plate drilling distance
Mounting plate thickness table

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D=4+K-x

C value with D=0 mounting plates

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Soft closing systems
Glissando TL 170 → see page 2.17
Glissando CR → see page 4.21

Accessories
Push latch → see page 3.167

Door clearance
For further explanation → see page 3.12

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B-type for Pie-cut Corner Cabinet

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

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<th>Interaxis 45mm</th>
<th>Interaxis 48mm</th>
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Drilling patterns for hinge cups → see page 3.15

100 Pcs Cup made of steel, arm made of zinc

Mounting plates
- Steel mounting plates → see page 3.153
- Zinc diecast mounting plates → see page 3.153

Hinge cup screws
- If not pre-mounted: 820-6308-050 10000 Pcs

Legend of hinge cup symbols
- Screw-on ready ← screws
- Machine insertion ready
Door adjustment

- Side adjustment +3/-1 mm
- Height adjustment +2/-2 mm
- Depth adjustment +5/-1.5 mm

For further explanation → see pages 3.20-3.23

Mounting details
Mounting plate drilling distance

V = 16 - 22 mm
K = 3 - 5 mm

Any B-type mounting plate of thickness D=0 can be used.

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

Accessories
Cover caps for hinge arm
→ see page 3.169
B-type
Flap door hinge

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

90°
35mm
11.5mm
slide-on

Cup type | Item number
--- | ---
left | 926-0A26-050
right | 926-0A27-050

Interaxis
24mm

Cup made of steel

200 Pcs

Mounting plates
Steel mounting plates
+ see page 3.153
Zinc diecast mounting plates
+ see page 3.153

Hinge cup screws
If not pre-mounted

820-6308-050
10000 Pcs

Legend of hinge cup symbols
Screw-on ready
← screws
Mounting details

Mounting plate thickness table

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D = mounting plate height

$X = 22.5 + K \times A \pm 2\text{mm height adjustment}$

Accessories

Cover caps for hinge arm

$\rightarrow$ see page 3.169

Door clearance

$\rightarrow$ see page 3.12

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Gap $Z_{\text{MIN}} = 0$
B-type
Mounting Plates

Steel mounting plates

200 Pcs  Made of steel

Zinc diecast mounting plates

200 Pcs  Made of zinc

Fixing screws for mounting plates
If not pre-mounted

Euro screws
821-6304-050 L=11
821-6323-050 L=13
821-6332-050 L=15

Chipboard screws
820-6328-050

10000 Pcs
### Mounting Plate Thickness

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* Available upon special request — see page 0.3

### Legend of Mounting Plate Type Symbols

- **Screw-on ready for euro screws**
- **Screw-on ready for chipboard screws**
- **Pre-mounted 13mm euro screws**
- **Pre-mounted 15mm euro screws**
- **Pre-mounted chipboard screws**
- **Machine insertion ready**
- **Pre-mounted 7.5mm expanding dowels**
- **Pre-mounted 10.5mm expanding dowels**
**B-type**  
**Mounting Plates**

**Steel mounting plates**
- Back-to-back application

![Steel mounting plates](image)

- 200 Pcs  Made of steel

**Zinc diecast mounting plates**
- For 18mm inset doors

![Zinc diecast mounting plates](image)

- 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

- Chipboard screws  
  820-6328-050

- 10000 Pcs
Mounting plate thickness

Height adjustment +/- 2mm

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Fits standard 37mm drilling

Legend of mounting plate type symbols:

- ![Symbol](image2)
  - Screw on ready for euro screws
- ![Symbol](image3)
  - Pre-mounted 10.5mm expanding dowels
B-type Hinge Ø40
For Door Thickness up to 40mm

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

93°
40mm
14.5mm
slide-on

Cup type
Item number

Interaxis
52mm

249-7301-050
Drilling patterns for hinge cups — see page 3.15

249-7302-050
Drilling patterns for hinge cups — see page 3.15

Cranking 0mm
Made of steel

200 Pcs

Cranking 10mm
Made of steel

200 Pcs

Mounting plates
Steel mounting plate
— see page 3.161

Hinge cup screws
If not pre-mounted
6.9
15
3.5
820-6308-050
10000 Pcs

Legend of hinge cup symbols
Screw-on ready
←— screws

Soft closing systems
Glissando CR
— see page 3.21

Accessories
Push latch
— see page 3.167
B-type Hinge Ø40
For Door Thickness up to 40mm

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

93°
40mm
14.5mm
slide-on

Cup type
Item number

Interaxis
52mm

52
7.5
Ø 40

Drilling patterns for hinge cups → see page 3.15

Cranking 18mm

200 Pcs
Made of steel

Cranking 22mm

200 Pcs
Made of steel

Mounting plates
Steel mounting plate
→ see page 3.161

Hinge cup screws
If not pre-mounted

6.9
15
3.5

820-6308-050
10000 Pcs

Legend of hinge cup symbols
Screw-on ready ←→ screws
For further explanation → see pages 3.20–3.23

**Door adjustment**

- Side adjustment: +2/-1mm
- Height adjustment: +2/-2mm
- Depth adjustment: +4/-0mm

**Mounting details**

**Mounting plate thickness table**

- For further explanation → see page 3.11

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B-type Mounting Plates
For Hinge Ø40

Drilling pattern

Steel mounting plates

Fixing screws for mounting plates
If not pre-mounted

Euro screws
821-6323-050 L=13
821-6332-050 L=15
10000 Pcs

Chipboard screws
820-6328-050
10000 Pcs
## Mounting Plate Thickness

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<th>Mounting Plate Type</th>
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### Legend of Mounting Plate Type Symbols

- Screw-on ready for chipboard screws
- Pre-mounted 14mm euro screws
Wide Angle Hinge

For wood doors

- Opening angle
  - 270°
- Drilling diameter for hinge cup
  - 35mm
- Drilling depth
  - 12,5mm
- Hinge on plate mounting system
  - key-hole

<table>
<thead>
<tr>
<th>Technical details</th>
<th>Cup type</th>
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- 6.9
- 3.5
- 15

Legend of hinge cup symbols:

- Screw-on ready
- Machine insertion ready
- Pre-mounted euro screws

820-6308-050
10000 Pcs

This mounting plate can be used only with Wide angle hinge. Information about mounting plate symbols — see page 3.153
Door adjustment

Side adjustment
+3/-0mm

Height adjustment
+2/-2mm

Depth adjustment
+4/-0mm

For further explanation — see pages 3.20-3.23

With spring

Mounting details

Mounting plate thickness table
For further explanation — see page 3.11

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

Drawings show application on D=6mm thick mounting plate.

Mounting plate drilling distance

Door thickness

For correct opening the door thickness should not exceed (Wmax) 21mm
Refrigerator Cabinet Door Hinge

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

**Cranking 0mm**

- 200 Pcs: Cup made of steel, arm made of zinc

**Steel mounting plates**

- D=0mm

- 500 Pcs: Made of steel

**Legend of hinge cup symbols**

- Screw-on ready screws
- Machine insertion ready
- Pre-mounted euro screws

**Mounting plates**

- This hinge can be mounted only with key-hole mounting plates.

**Hinge cup screws**

- If not pre-mounted

- 820-6308-050: 10000 Pcs
- Flat hinge arm allows minimal required gap between refrigerator and cabinet side.

**Door adjustment**

- Side adjustment
  - +3/-0mm
- Height adjustment
  - +2/-2mm
- Depth adjustment
  - +4/-0mm

*For further explanation → see pages 3.20-3.23*

**Mounting details**

**Mounting plate drilling distance**

*Drawings show application on D=9mm thick mounting plate*

**Door clearance**

*For further explanation → see page 3.12*

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Push Latch

For wood doors and drawers

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Push latch

Cross mounting plate

Linear mounting plate

200 Pcs  Made of steel and plastic

Fixing screws for mounting plates

- Euro screws
  - 821-6323-050
  - 10000 Pcs

- Chipboard screws
  - 7.5
  - 12
  - 1
- Works with standard concealed hinges and drawers
- Effortless opening with just a light touch
- Depth adjustment ensures reliable closing and consistent performance in cases of inaccurate drilling
- ‘Safety click’ feature for easy detachment of the mechanism from the mounting plate

Drilling pattern

Dimensions

Positioning

Close to the ‘touch opening point’ on the side opposite to hinges
On the cabinet side; gap between drawer and cabinet side = min 12mm
On the drawer bottom; in the middle of drawer

Push latch works with standard hinges.
Push latch works on drawer; the gap between the drawer and the cabinet side = min. 12 mm
Cover Caps

For hinge arms

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

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<th>Technical details</th>
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4000 Pcs Made of steel

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5000 Pcs Made of steel

For T-type 110.0mm, 110/45 17mm, 110/90 17mm

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5000 Pcs Made of steel

For T-type 110.5mm, 9mm, 17mm