B-type Hinges

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

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

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

For wood doors

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

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

### Technical details

- Interaxis 45mm
- Interaxis 48mm

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### Accessories

- 820-6308-050 10000 Pcs

Legend of hinge cup symbols

- Screw-on ready (← screws)
- Cover caps for hinge arm (→ see page 3.151)
Concealed Hinges

**Mounting details**

Drawings show application on D=0mm thick mounting plate

**Mounting plate drilling distance**

For further explanation → see page 3.11

**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

**Door adjustment**

For further explanation → see page 3.12

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D=-2+K+F

**Door clearance**

For further explanation → see page 3.12

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Gap Z_{min}=0

For further explanation → see page 3.25
### 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

#### Technical details

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**Cranking 9mm**

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

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

#### Mounting plates

- **Steel mounting plates** → see page 3.135
- **Zinc diecast mounting plates** → see page 3.135

#### Hinge cup screws

- **820-6308-050** 10000 Pcs

#### Accessories

- **Cover caps for hinge arm** → see page 3.151

#### Legend of hinge cup symbols

- Screw-on ready
- ← screws
Concealed Hinges

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  D

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

Door adjustment

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}

Gap Z_{MN}=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

For further explanation → see page 3.25
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

Technical details

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<th>Cup type</th>
<th>Item number</th>
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<td>Interaxis 48mm</td>
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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 3.135
- Zinc diecast mounting plates → see page 3.135

Hinge cup screws
- 6.9
- 10000 Pcs
- 820-6308-050
- Not pre-mounted

Legend of hinge cup symbols
- Screw-on ready ← screws
- Cover caps for hinge arm → see page 3.151
Concealed Hinges

**Side adjustment**
- $+3/-0.5\text{mm}$

**Height adjustment**
- $+2/-2\text{mm}$

**Depth adjustment**
- $+4/-0\text{mm}$

For further explanation → see page 3.25

For further explanation → see pages 3.20-3.23

---

**Mounting details**

**Mounting plate thickness table**

For further explanation → see page 3.11

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**Door adjustment**

**Mounting plate drilling distance**

For further explanation → see page 3.12

**Door clearance**

For further explanation → see page 3.12

<table>
<thead>
<tr>
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<th>17</th>
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$D=3\text{mm}$ thick mounting plate

$D=2\text{mm}$ thick mounting plate

$D=1\text{mm}$ thick mounting plate

$D=0\text{mm}$ thick mounting plate
### 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>Item number</th>
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#### Technical details

- Cranking 18mm

#### Cup type

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#### Drilling patterns for hinge cups

→ see page 3.15

- Steeel mounting plates
  → see page 3.135
- Zinc diecast mounting plates
  → see page 3.135

- Hinge cup screws
  * If not pre-mounted

- Accessories
  - Cover caps for hinge arm
    → see page 3.151

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

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

- 820-6308-050 10000 Pcs

---

3.111 Titus
Concealed Hinges

**Mounting details**

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

For further explanation → see page 3.11

**Mounting plate drilling distance**

For further explanation → see page 3.11

**Mounting plate thickness table**

For further explanation → see page 3.11

**For further explanation** → see pages 3.20-3.23

**Drawings show application on**
- D=0mm 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

**Door clearance**

For further explanation → see page 3.12

<table>
<thead>
<tr>
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<td>1.2</td>
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**Gap Z_{MIN}=0**
### B-type-i 110/90°

For wood door cabinets with blind panels

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

#### Technical details

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<thead>
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<th>Item number</th>
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#### Cranking

18mm

#### Mounting plates

- **Blind panel mounting plate**
  - 200 Pcs
  - Cup made of steel and plastic, arm made of zinc

- **Mounting plates**
  - 200 Pcs
  - Cup made of steel and plastic, arm made of zinc

#### Accessories

- **Cover caps for hinge arm**
  - → see page 3.151

#### Legend of hinge cup symbols

- Screw-on ready (← screws)

---

**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 3.135

---

These hinges can only be used with blind panel mounting plates

---

820-6308-050

10000 Pcs

---

Cover caps for hinge arm

→ see page 3.151
Concealed Hinges

Damping adjustment
Door adjustment

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

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

Mounting details
Mounting plate drilling distance

Damping adjustment
Door adjustment

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 \( F_{\text{MIN}} \)

Gap Z_{MIN}=0
### B-type 110

**For wood doors**

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

#### Technical details

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*Drilling patterns for hinge cups* → see page 3.15

#### Cranking

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*Drilling patterns for hinge cups* → see page 3.15

#### Mounting plates

- Steel mounting plates → see page 3.135
- Zinc diecast mounting plates → see page 3.135

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

- Legend of hinge cup symbols:
  - Screw-on ready
  - Machine insertion ready
Concealed Hinges

For further explanation → see pages 3.20-3.23

Drawings show application on D=0mm thick mounting plate

Drawings show application on D=0mm thick mounting plate

Drawings show application on D=3mm thick mounting plate

Soft closing systems

Glissando TL
→ see page 2.15

Glissando CR
→ see page 2.19

Accessories

Cover caps for hinge arm
→ see page 3.151

Push latch
→ see page 3.149

Door adjustment

Side adjustment
+3/-0.5mm

Height adjustment
+2/-2mm

Depth adjustment
+4/-0mm

For further explanation → see page 3.11

<table>
<thead>
<tr>
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D=-2+K+F

Door clearance
For further explanation → see page 3.12

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Gap Z_{MIN}=0
### B-type 110/30°

**110°**

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

![Diagram showing B-type 110/30° application](image)

#### Technical details

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- Cranking: 9mm

**Cup made of steel, arm made of zinc**

- 200 Pcs

#### Drilling patterns for hinge cups

---

**Mounting plates**

- Steel mounting plates  
  → see page 3.135
- Zinc diecast mounting plates  
  → see page 3.135

#### Hinge cup screws

- 820-6308-050  
  10000 Pcs

- Screw-on ready  
- Machine insertion ready

---

**Legend of hinge cup symbols**

---

---

---
**Concealed Hinges**

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

For further explanation → see pages 3.20-3.23

---

### Mounting details

**Mounting plate thickness table**

*For further explanation → see page 3.11*

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**Drillings show application on D=3mm thick mounting plate**

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**Soft closing systems**

- **Glissando TL** → see page 2.15
- **Cover caps for hinge arm** → see page 3.15

**Accessories**

**Door clearance**

*For further explanation → see page 3.12*

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Gap $Z_{\text{MIN}}=0$
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

Technical details

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Drilling patterns for hinge cups -> see page 3.15

- Cranking
9mm

200 Pcs Cup made of steel, arm made of zinc

- Mounting plates
  - Steel mounting plates
    -> see page 3.135
  - Zinc diecast mounting plates
    -> see page 3.135

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

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

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

Door adjustment

Soft closing systems
Glissando TL → see page 2.15

Accessories
Cover caps for hinge arm → see page 3.151

Door clearance
For further explanation → see page 3.12

<table>
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Gap Z_{MIN}=0
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

Technical details

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

Cup made of steel, arm made of zinc

200 Pcs

Mounting plates

- Steel mounting plates → see page 3.135
- Zinc diecast mounting plates → see page 3.135

Legend of hinge cup symbols

- Screw-on ready
- Machine insertion ready

820-6308-050

6.9 3.5 15

820-6308-050

10000 Pcs

248-0L33-050

248-0L28-050

248-0M84-050
Concealed Hinges

### Door adjustment

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

For further explanation → see pages 3.20-3.23

### Mounting details

#### Door adjustment

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

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

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

### Mounting plate drilling distance

For further explanation → see page 3.11

### Mounting plate thickness table

For further explanation → see page 3.11

### Soft closing systems

- Glissando TL → see page 2.15

### Accessories

- Cover caps for hinge arm → see page 3.151

### Door clearance

For further explanation → see page 3.12

<table>
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Gap Z_{MIN}=0
B-type 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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Drilling patterns for hinge cups → see page 3.15

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

These hinges can only be used with blind panel mounting plates

Legend of hinge cup symbols

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

Mounting plates

Hinge cup screws if not pre-mounted

820-6308-050 10000 Pcs

Information about mounting plate symbols → see page 3.135

110°

110°

Interaxis

Interaxis

Interaxis

45

48

52

Ø 35

Ø 35

Ø 35

11.5

15

9.5

35mm

48mm

52mm

9.5

6

11.5

35mm

9.5

6

11.5
Concealed Hinges

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

For further explanation → see page 3.12

Soft closing systems
Glissando TL  → see page 2.15

Accessories
Cover caps for hinge arm  → see page 3.151

Door clearance
For further explanation → see page 3.12

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Gap $Z_{\text{MN}}=0$
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

Technical details

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Mounting plates

- Steel mounting plates → see page 3.135
- Zinc diecast mounting plates → see page 3.135
Concealed Hinges

Door adjustment

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

For further explanation → see pages 3.20-3.23

Door clearance

For further explanation → see page 3.12

Mounting details

Mounting plate drilling distance

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Drawings show application on D=0mm thick mounting plate

Drilling pattern for aluminium frame hinges

Screws included

Accessories

Cover caps for hinge arm → see page 3.151

Door clearance

For further explanation → see page 3.12

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Gap ZMIN=0.5
B-type 170

For wood doors

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

135°-165°

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Cranking 0mm

- Made of steel and zinc

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Mounted plates

- Steel mounting plates
- Zinc diecast mounting plates

Legend of hinge cup symbols

- Screw-on ready
- Machine insertion ready

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

For further explanation → see pages 3.20-3.23

Door adjustment

<table>
<thead>
<tr>
<th>Side adjustment</th>
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<td>+3/-0.5mm</td>
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For further explanation → see page 3.11

Mounting details

Mounting plate drilling distance

Mounting plate thickness table

C value with D=0 mounting plates

Soft closing systems

- Gilissando TL 170
  → see page 2.17

- Gilissando CR
  → see page 2.19

Accessories

- Push latch
  → see page 3.149

Door clearance

For further explanation → see page 3.12

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Gap ZMIN=0
### B-type 170

For wood doors

- Opening angle: 135°-165°
- Drilling diameter for hinge cup: Ø35mm
- Drilling depth: 35mm
- Hinge on plate mounting system: slide-on

#### Cranking 9mm

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</table>

- Drilling patterns for hinge cups → see page 3.15

#### Made of steel and zinc

- 50 Pcs

#### Mounting plates

- Steel mounting plates → see page 3.135
- Zinc diecast mounting plates → see page 3.135

#### Hinge cup screws

- If not pre-mounted
- 820-6308-050 10000 Pcs

#### Legend of hinge cup symbols

- Screw-on ready ← screws

---

3.129

Titus
Concealed Hinges

- 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/-0mm

*For further explanation → see pages 3.20-3.23*

---

**Mounting details**

**Mounting plate drilling distance**

*For further explanation → see page 3.11*

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**C value with D=0 mounting plates**

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**Drawings show application on**

- D=0mm thick mounting plate
- D=9mm thick mounting plate
- D=18mm thick mounting plate

---

**Soft closing systems**

- **Glissando TL 170**: → see page 2.17
- **Glissando CR**: → see page 2.19

**Accessories**

- **Push latch**: → see page 3.149

**Door clearance**

*For further explanation → see page 3.12*

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Gap Z_{MIN}=0
**B-type**

for Pie-cut Corner Cabinet

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

### Interaxis

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### Drilling patterns for hinge cups

→ see page 3.15

<table>
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<th>100 Pcs</th>
<th>Cup made of steel, arm made of zinc</th>
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</table>

**Mounting plates**

- **Steel mounting plates**
  → see page 3.135
- **Zinc diecast mounting plates**
  → see page 3.135

**Hinge cup screws**

| 820-6308-050 | 10000 Pcs |

**Legend of hinge cup symbols**

- Screw-on ready
- Machine insertion ready
Concealed Hinges

**Mounting details**

**Mounting plate drilling distance**

**Adjustments**

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

- 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 3.151
**B-type**

*Flap door hinge*

- Opening angle: 90°
- Drilling diameter for hinge cup: 35mm
- Drilling depth: 11.5mm
- Hinge on plate mounting system: slide-on

---

**Cup made of steel**

- Steel mounting plates: see page 3.135
- Zinc diecast mounting plates: see page 3.135

---

**Mounting plates**

- Steel mounting plates
- Zinc diecast mounting plates

---

**Hinge cup screws**

- Item number: 820-6308-050
- Quantity: 10000 Pcs

---

**Legend of hinge cup symbols**

- Screw-on ready
- Screws
Concealed Hinges

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

Door adjustment

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

For further explanation → see pages 3.20-3.23

Door clearance

For further explanation → see page 3.12

Accessories

- Cover caps for hinge arm → see page 3.151

Mounting details

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

Mounting plate thickness table

For further explanation → see page 3.11

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</table>

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

Gap Z_{min}=0
B-type
Mounting Plates

For B-type concealed hinges

Steel mounting plates

- 200 Pcs
- Made of steel

Zinc diecast mounting plates

- 200 Pcs
- Made of zinc

Fixing screws for mounting plates
If not pre-mounted

- Euro screws
  - 821-6304-050 L=11
  - 821-6323-050 L=13
  - 821-6332-050 L=15
  - 10000 Pcs

- Chipboard screws
  - 820-6328-050
  - 10000 Pcs
Concealed Hinges

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<th>Mounting plate thickness (D)</th>
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<td>0mm</td>
<td>244-0866-050*</td>
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Legend of mounting plate type symbols

- Screw on ready for euro screws (<– 2 crews)
- 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

For B-type concealed hinges

Steel mounting plates
- Back-to-back application

200 Pcs Made of steel

Zinc diecast mounting plates
- For 18mm inset doors

200 Pcs Made of zinc

Fixing screws for mounting plates
If not pre-mounted

Euro screws
821-6304-050 L=11
821-6323-050 L=13
821-6332-050 L=15
10000 Pcs

Chipboard screws
820-6328-050
10000 Pcs
Concealed Hinges

Mounting plate thickness
Height adjustment +/- 2mm

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Minimum panel thickness is 15mm.

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Fits standard 37mm drilling

Legend of mounting plate type symbols

- Screw on ready for euro screws
- 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

Interaxis
52mm

Cup type
Item
number

0mm

200 Pcs
Made of steel

10mm

200 Pcs
Made of steel

Mounting plates

- Steel mounting plate
  → see page 3.143

Hinge cup screws

- If not pre-mounted

820-6308-050
10000 Pcs

Legend of hinge cup symbols

- Screw-on ready

Steel mounting plate

Soft closing systems

- Glissando CR
  → see page 2.19

Accessories

- Push latch
  → see page 3.149

Drilling patterns for hinge cups
→ see page 3.15

249-7301-050

249-7302-050

Steel

820-6308-050

Screw-on ready

- Screws
### Concealed Hinges

**Side adjustment**: +2/-1mm

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

**Depth adjustment**: +4/-0mm

For further explanation — see pages 3.20-3.23

---

### Mounting details

![Diagram of mounting details](image)

**Mounting plate thickness table**

For further explanation — see page 3.11

---

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| x | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | Z |
| 3 | 0.4 | 0.6 | 0.7 | 0.8 | 1.0 | 1.2 | 1.4 | 1.6 | 1.8 | 2.0 | 2.2 | 2.3 | 2.5 | 2.6 | 2.8 | 3.0 | 3.2 | 3.4 | 3.5 | 3.6 | 3.7 | 0.4 |
| 4 | 0.4 | 0.6 | 0.7 | 0.8 | 1.0 | 1.2 | 1.4 | 1.6 | 1.8 | 2.0 | 2.2 | 2.3 | 2.5 | 2.6 | 2.8 | 3.0 | 3.2 | 3.4 | 3.5 | 3.6 | 3.7 | 0.4 |
| 5 | 0.4 | 0.5 | 0.7 | 0.8 | 1.0 | 1.2 | 1.3 | 1.5 | 1.7 | 1.9 | 2.0 | 2.2 | 2.4 | 2.5 | 2.7 | 2.8 | 3.0 | 3.2 | 3.4 | 3.5 | 3.6 | 0.4 |
| 6 | 0.4 | 0.5 | 0.7 | 0.8 | 1.0 | 1.1 | 1.3 | 1.5 | 1.7 | 1.9 | 2.0 | 2.2 | 2.4 | 2.5 | 2.7 | 2.8 | 3.0 | 3.2 | 3.4 | 3.5 | 3.6 | 0.4 |
| 7 | 0.4 | 0.5 | 0.6 | 0.8 | 1.0 | 1.1 | 1.3 | 1.5 | 1.7 | 1.9 | 2.0 | 2.2 | 2.4 | 2.5 | 2.7 | 2.8 | 3.0 | 3.2 | 3.4 | 3.5 | 3.6 | 0.4 |
| 8 | 0.4 | 0.5 | 0.6 | 0.8 | 0.9 | 1.1 | 1.3 | 1.5 | 1.7 | 1.9 | 2.0 | 2.1 | 2.3 | 2.4 | 2.5 | 2.6 | 2.7 | 2.9 | 3.0 | 3.2 | 3.4 | 0.4 |
| 9 | 0.4 | 0.5 | 0.6 | 0.8 | 0.9 | 1.1 | 1.3 | 1.5 | 1.7 | 1.9 | 2.0 | 2.1 | 2.3 | 2.4 | 2.5 | 2.6 | 2.7 | 2.9 | 3.0 | 3.2 | 3.4 | 0.4 |
| 10 | 0.4 | 0.5 | 0.6 | 0.8 | 0.9 | 1.1 | 1.2 | 1.4 | 1.6 | 1.8 | 2.0 | 2.1 | 2.2 | 2.3 | 2.4 | 2.5 | 2.7 | 2.8 | 3.0 | 3.2 | 3.4 | 0.4 |
| 11 | 0.4 | 0.5 | 0.6 | 0.8 | 0.9 | 1.1 | 1.2 | 1.4 | 1.6 | 1.8 | 2.0 | 2.1 | 2.2 | 2.3 | 2.4 | 2.5 | 2.7 | 2.8 | 3.0 | 3.2 | 3.4 | 0.4 |
| 12 | 0.4 | 0.5 | 0.6 | 0.7 | 0.9 | 1.0 | 1.2 | 1.4 | 1.6 | 1.8 | 2.0 | 2.1 | 2.2 | 2.3 | 2.4 | 2.5 | 2.7 | 2.8 | 3.0 | 3.2 | 3.4 | 0.4 |

---

**Door clearance (Fmin)**

- F ≥ Fmin
- S + V + 60

---

**FMIN**

- 0.4
- 0.6
- 0.7
- 0.8
- 0.9
- 1.0
- 1.1
- 1.2
- 1.3
- 1.4
- 1.5

---

For further explanation — see page 3.11
### B-type Hinge Ø40

For Door Thickness up to 40mm

<table>
<thead>
<tr>
<th>Interaxis</th>
<th>52mm</th>
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</thead>
<tbody>
<tr>
<td>Cup type</td>
<td>Item number</td>
</tr>
<tr>
<td>Ø 40</td>
<td>249-7303-050</td>
</tr>
<tr>
<td>17.5</td>
<td>Drilling patterns for hinge cups see page 3.15</td>
</tr>
</tbody>
</table>

- Opening angle: 93°
- Drilling diameter for hinge cup: 40mm
- Drilling depth: 14.5mm
- Hinge on plate mounting system: slide-on

#### Cranking

- **18mm**
  - Made of steel
  - 200 Pcs
  - Steel mounting plate see page 3.143
  - Hinge cup screws if not pre-mounted: 820-6308-050
  - 10000 Pcs

- **22mm**
  - Made of steel
  - 200 Pcs
  - Screw-on ready screws
  - Legend of hinge cup symbols
Concealed Hinges

Side adjustment
+2/-1mm

Height adjustment
+2/-2mm

Depth adjustment
+4/-0mm

For further explanation — see pages 3.20-3.23

Mounting details

Mounting plate thickness table
For further explanation — see page 3.11

### Door adjustment

| x  | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|----|---|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|
| 3  | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 | 0  | 0  | 0  | 0  | 0  | 0  |
| 4  | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 | 0  | 0  | 0  | 0  | 0  | 0  |
| 5  | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 | 0  | 0  | 0  | 0  | 0  | 0  |
| 6  | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 | 0  | 0  | 0  | 0  | 0  | 0  |
| 7  | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 | 0  | 0  | 0  | 0  | 0  | 0  |
| 8  | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 | 0  | 0  | 0  | 0  | 0  | 0  |
| 9  | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 | 0  | 0  | 0  | 0  | 0  | 0  |
| 10 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 | 0  | 0  | 0  | 0  | 0  | 0  |
| 11 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 | 0  | 0  | 0  | 0  | 0  | 0  |
| 12 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 | 0  | 0  | 0  | 0  | 0  | 0  |

### Door clearance (Fmin)

| x  | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 3  | 0.4 | 0.6 | 0.7 | 0.8 | 1.0 | 1.2 | 1.4 | 1.6 | 1.8 | 2.0 | 2.2 | 2.4 | 2.6 | 2.8 | 3.0 | 3.2 | 3.4 | 3.6 | 3.8 | 4.0 | 4.2 | 4.4 |
| 4  | 0.4 | 0.6 | 0.7 | 0.8 | 1.0 | 1.2 | 1.4 | 1.6 | 1.8 | 2.0 | 2.2 | 2.4 | 2.6 | 2.8 | 3.0 | 3.2 | 3.4 | 3.6 | 3.8 | 4.0 | 4.2 | 4.4 |
| 5  | 0.4 | 0.5 | 0.7 | 0.8 | 1.0 | 1.2 | 1.3 | 1.5 | 1.7 | 1.9 | 2.1 | 2.3 | 2.5 | 2.7 | 2.9 | 3.1 | 3.3 | 3.5 | 3.7 | 3.9 | 4.1 | 4.3 |
| 6  | 0.4 | 0.5 | 0.7 | 0.8 | 1.0 | 1.1 | 1.3 | 1.5 | 1.7 | 1.9 | 2.1 | 2.3 | 2.5 | 2.7 | 2.9 | 3.1 | 3.3 | 3.5 | 3.7 | 3.9 | 4.1 | 4.3 |
| 7  | 0.4 | 0.5 | 0.6 | 0.8 | 1.0 | 1.1 | 1.3 | 1.5 | 1.7 | 1.9 | 2.1 | 2.3 | 2.5 | 2.7 | 2.9 | 3.1 | 3.3 | 3.5 | 3.7 | 3.9 | 4.1 | 4.3 |
| 8  | 0.4 | 0.5 | 0.6 | 0.8 | 0.9 | 1.1 | 1.3 | 1.5 | 1.7 | 1.9 | 2.1 | 2.3 | 2.5 | 2.7 | 2.9 | 3.1 | 3.3 | 3.5 | 3.7 | 3.9 | 4.1 | 4.3 |
| 9  | 0.4 | 0.5 | 0.6 | 0.8 | 0.9 | 1.1 | 1.3 | 1.4 | 1.6 | 1.8 | 2.0 | 2.2 | 2.4 | 2.6 | 2.8 | 3.0 | 3.2 | 3.4 | 3.6 | 3.8 | 4.0 | 4.2 |
| 10 | 0.4 | 0.5 | 0.6 | 0.8 | 0.9 | 1.1 | 1.2 | 1.4 | 1.6 | 1.8 | 2.0 | 2.2 | 2.4 | 2.6 | 2.8 | 3.0 | 3.2 | 3.4 | 3.6 | 3.8 | 4.0 | 4.2 |
| 11 | 0.4 | 0.5 | 0.6 | 0.8 | 0.9 | 1.1 | 1.2 | 1.4 | 1.6 | 1.8 | 2.0 | 2.2 | 2.4 | 2.6 | 2.8 | 3.0 | 3.2 | 3.4 | 3.6 | 3.8 | 4.0 | 4.2 |
| 12 | 0.4 | 0.5 | 0.6 | 0.7 | 0.9 | 1.0 | 1.2 | 1.4 | 1.6 | 1.8 | 2.0 | 2.2 | 2.4 | 2.6 | 2.8 | 3.0 | 3.2 | 3.4 | 3.6 | 3.8 | 4.0 | 4.2 |
B-type Mounting Plates
For Hinge Ø40

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
### Concealed Hinges

**Mounting plate thickness**

**Height adjustment +/- 2mm**

<table>
<thead>
<tr>
<th>Mounting plate type</th>
<th>4mm</th>
<th>5mm</th>
<th>6mm</th>
<th>8mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.9</td>
<td>244-7324-050</td>
<td>244-7325-050</td>
<td>244-7326-050</td>
<td>244-7328-050</td>
</tr>
<tr>
<td>4.5</td>
<td>244-7314-050</td>
<td>244-7315-050</td>
<td>244-7316-050</td>
<td>244-7318-050</td>
</tr>
</tbody>
</table>

**Legend of mounting plate type symbols**

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