Silentia+ Series 100
page 9

Silentia+ Series 200 for thicker doors
page 19

Silentia+ Series 300
page 31

Silentia+ Series 700
page 37

Silentia+ For metal profiles
page 51

Silentia Series 800
page 57

Silentia Series 900
page 63

Accessories
page 69
The state of the soft-close art.

Silentia+ allows a perfect and constant closing of the door in any condition, use and application.

The innovative soft-close technology guarantees excellent performances to the complete range of hinges. Silentia+ includes numerous technological elements in the required spaces and maintains the aesthetics of the hinges of the first generation.
**Second generation**

Integrated soft-close technology with two silicone oil dampers.

The two integrated dampers guarantee an exceptional regularity of the decelerating strength providing a perfect closing to any kind of door and condition.
Ever-optimal soft-close action

Silentia+ is also equipped with the innovative switch to delay the decelerating action. The activation of this switch allows, even to special doors, to obtain the ideal decelerating strength.
Silentia+ • Series 100
Hinges with adjustable integrated soft-close mechanism operated by twin silicone-oil dampers housed in the hinge cup.

The decelerating effect is adjusted by using a simple switch.

Bright nickel plated steel cup and arm.
Dimensions of the Ø 35 mm cup.
Hinges for doors of small weight and thickness.

Constant “L” value of 1.3 mm (it does not change during side adjustment).

Approx. number of hinges required according to the door dimension and weight.

Adjustments
Compensated side adjustment from -1.5 mm to +4.5 mm.
Height adjustment ±2 mm.
Depth adjustment with Series 200 mounting plates +2.8 mm.
Depth adjustment with Domi snap-on mounting plates from -0.5 mm to +2.8 mm.
Anti-sliding safety stop.

Mounting plates
Symmetrical and asymmetrical bright nickel plated steel or die-cast Series 200 mounting plates.
Snap-on assembly on Domi mounting plates.
Positioning with pre-determined stop on traditional Series 200 mounting plates.

N.B.: Use POZIDRIVE No. 2 screwdrivers for all screws.
### Drillings and fixings

<table>
<thead>
<tr>
<th>Wood screw</th>
<th>105° opening</th>
<th>Drillings and fixings and complementary hinges</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Use this table to identify the available drillings and fixings. Fill the third position of the hinge code number with the letter or the number corresponding to your choice. I.e.: C1_6AE9. Fill this position with the chosen letter or number.</td>
</tr>
</tbody>
</table>

#### Drillings and fixings

<table>
<thead>
<tr>
<th>Drillings and Fixings</th>
<th>105° Opening</th>
<th>105° Opening</th>
<th>105° Opening</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wood screw</td>
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<td>P</td>
<td>U</td>
</tr>
<tr>
<td>Rapido</td>
<td>6</td>
<td>7</td>
<td>2</td>
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<tr>
<td>Dowel</td>
<td>B</td>
<td>R</td>
<td>W</td>
</tr>
<tr>
<td>Logica</td>
<td>I</td>
<td>J</td>
<td>Q</td>
</tr>
</tbody>
</table>

#### 105° opening and complementary hinges

![Diagram of 105° opening and complementary hinges]
Technical information

Hinges with adjustable integrated soft-close mechanism operated by twin silicone-oil dampers housed in the hinge cup. The decelerating effect is adjusted by using a simple switch.

Hinges for doors of small weight and thickness.

12 mm deep cup.

105° opening.

Possible drilling distance on the door (K): from 3 to 6 mm.

Compatible with all traditional Series 200 mounting plates and with all Domi snap-on mounting plates.

Space needed to open the door

<table>
<thead>
<tr>
<th>T=</th>
<th>15</th>
<th>16</th>
<th>17</th>
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<td>1.1</td>
<td>1.2</td>
<td>1.4</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>T=</th>
<th>15</th>
<th>16</th>
<th>17</th>
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<td>K=3</td>
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<tr>
<td>K=5</td>
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<td>1.0</td>
<td>1.2</td>
<td>1.8</td>
<td>2.0</td>
</tr>
<tr>
<td>K=6</td>
<td>L=</td>
<td>1.6</td>
<td>1.8</td>
<td>2.0</td>
<td>2.1</td>
<td>2.3</td>
</tr>
</tbody>
</table>

The above values are calculated on the assumption that the doors have square edges. They are reduced if the doors have radius edges.

Projection of the door

Projection of the door from the cabinet side at the max. opening.
The figures are based on a straight arm hinge, H=0 mm thickness of mounting plate and K value = 3 mm.

“C” value

With this formula you can obtain the max. thickness of the moulded door that can be opened without touching adjacent carcase sides, doors or walls, whilst bearing in mind the above L·K·T values.

\[ C = 20.5 + K + A \]
Use these formulas to determine the type of hinge arm, the drilling distance "K" and the height of the mounting plate “H” which is necessary to solve each application problem.

Use the tables “Drillings and fixings” at page 11 to complete the code number of the desired hinge.

Arm 0

\[ H = 15 + K - (D) \]

Arm 5

\[ H = 10 + K - (D) \]

Arm 9

\[ H = 6 + K - (D) \]

Arm 17

\[ H = -2 + K + A \]
Technical Information

Hinges with adjustable integrated soft-close mechanism operated by twin silicone-oil dampers housed in the hinge cup. The decelerating effect is adjusted by using a simple switch.

For wooden doors with positive angled assembly.  
Hinges for doors of small weight and thickness.  
12 mm deep cup.  
105° opening.  
Possible drilling distance on the door (K): from 3 to 6 mm.  
Compatible with all traditional Series 200 mounting plates and with all Domi snap-on mounting plates.

Packing • Boxes 150 pcs. • Pallets 3,600 pcs.

The solution of assembly problems where doors are mounted at a positive angle requires the verification of drilling distances by a practical trial. Please do not hesitate to consult our technical support department for assistance.

Use the tables “Drillings and fixings” at page 11 to complete the code number of the desired hinge.
Technical Information

Hinges with adjustable integrated soft-close mechanism operated by twin silicone-oil dampers housed in the hinge cup. The decelerating effect is adjusted by using a simple switch.

Crampon hinges. For cabinet sides with 37x32 standard drilling. Hinges for doors of small weight and thickness. 12 mm deep cup. 105° opening. Possible drilling distance on the door (K): from 3 to 6 mm. Compatible with all traditional Series 200 mounting plates and with all Domi snap-on mounting plates.

Use the tables “Drillings and fixings” at page 11 to complete the code number of the desired hinge.

Packing • Boxes 150 pcs. • Pallets 3,600 pcs.

Heights of mounting plates for every assembly.

- **C1_6NE9AC**
  - \( H = 0 \)
  - \( H = 3 \)
  - \( H = 6 \)

- \( E_{min} \):
  - 61 mm for Series 200 mounting plates.
  - 70 mm for Domi snap-on mounting plates.
  - 74 mm for Domi snap-on mounting plates with back cam.
Technical information

Hinges with adjustable integrated soft-close mechanism operated by twin silicone-oil dampers housed in the hinge cup. The decelerating effect is adjusted by using a simple switch.

Crampon hinges. For smaller spaces with 15x32 mm drilling. Hinges for min. 18 mm thick doors.
12 mm deep cup.
94° opening.
Possible drilling distance on the door (K): from 3 to 9 mm.
Compatible with all traditional Series 200 mounting plates, 28x32 mm drilling.
NOT COMPATIBLE with Domi snap-on mounting plates.

Packing • Boxes 150 pcs. • Pallets 3,600 pcs.

Use the tables “Drillings and fixings” at page 11 to complete the code number of the desired hinge.

Heights of mounting plates for every assembly.

C1_6NE9
Silentia • Series 200 for thicker doors
Hinges with adjustable integrated soft-close mechanism operated by twin silicone-oil dampers housed in the hinge cup.

The decelerating effect is adjusted by using a simple switch.

Bright nickel plated steel cup and arm.
Dimensions of the Ø 35 mm cup.

Constant "L" value of 1.3 mm (it does not change during side adjustment).

Approx. number of hinges required according to the door dimension and weight.

Adjustments
Compensating side adjustment from -1.5 mm to +4.5 mm.
Height adjustment ±2 mm.
Depth adjustment with Series 200 mounting plates +2.8 mm.
Depth adjustment with Domi snap-on mounting plates from -0.5 mm to +2.8 mm.
Anti-sliding safety stop.

Mounting plates
Symmetrical and asymmetrical bright nickel plated steel or die-cast Series 200 mounting plates.
Snap-on assembly on Domi mounting plates.
Positioning with pre-determined stop on traditional Series 200 mounting plates.

N.B. : Use POZIDRIVE No. 2 screwdrivers for all screws.
Drillings and fixings

<table>
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<tr>
<th></th>
<th>94°</th>
<th>155°</th>
<th>94°</th>
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<td></td>
<td>A</td>
<td>A</td>
<td>P</td>
<td>P</td>
<td>U</td>
<td>U</td>
</tr>
<tr>
<td><strong>Rapido</strong></td>
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<td>6</td>
<td>6</td>
<td>7</td>
<td>7</td>
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<td>2</td>
</tr>
<tr>
<td><strong>Dowel</strong></td>
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<td></td>
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<td>B</td>
<td>B</td>
<td>R</td>
<td>R</td>
<td>W</td>
<td>W</td>
</tr>
<tr>
<td><strong>Logica</strong></td>
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<td>J</td>
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<td>Q</td>
<td>Q</td>
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</tbody>
</table>

Use this table to identify the available drillings and fixings. Fill the third position of the hinge code number with the letter or the number corresponding to your choice. I.e.: C2_BAE9.

Fill this position with the chosen letter or number.

94° opening and complementary hinges

155° opening
Technical information

Hinges with adjustable integrated soft-close mechanism operated by twin silicone-oil dampers housed in the hinge cup. The decelerating effect is adjusted by using a simple switch.

Hinges for min. 18 mm thick doors. 15.5 mm deep cup. 94° opening.
Possible drilling distance on the door (K): from 3 to 9 mm. Compatible with all traditional Series 200 mounting plates and with all Domi snap-on mounting plates.

Space needed to open the door

<table>
<thead>
<tr>
<th>K</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
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<td>A</td>
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<td>0.0</td>
<td>0.0</td>
<td>0.3</td>
<td>1.3</td>
</tr>
</tbody>
</table>

The above values are calculated on the assumption that the doors have square edges. They are reduced if the doors have radiusussed edges.

Projection of the door

Projection of the door from the cabinet side at the max. opening. The figures are based on a straight arm hinge, H=0 mm thickness of mounting plate and K value = 3 mm.

“C” value

With this formula you can obtain the max. thickness of the moulded door that can be opened without touching adjacent carcase sides, doors or walls, whilst bearing in mind the above L·K·T values.
Use these formulas to determine the type of hinge arm, the drilling distance “K” and the height of the mounting plate “H” which is necessary to solve each application problem.

Use the tables “Drillings and fixings” at page 21 to complete the code number of the desired hinge.
Technical information

Hinges with integrated soft-close mechanism operated by twin silicone-oil dampers housed in the hinge cup.

Hinges for thick doors 16 mm min.
Hinge with greater opening angle and reduced operating profile 13.5 mm deep cup.
155° opening.

Possible drilling distance on the door (K): from 3 to 8 mm.
Compatible with all traditional Series 200 mounting plates and with all Domi snap-on mounting plates.

Space needed to open the door

<table>
<thead>
<tr>
<th>$T$</th>
<th>16</th>
<th>18</th>
<th>20</th>
<th>22</th>
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<td>$K=3$</td>
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<td>0.0</td>
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<td>0.45</td>
<td>0.85</td>
<td>1.35</td>
</tr>
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<td>$A$</td>
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<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.20</td>
<td>0.50</td>
<td>0.95</td>
<td>120° 1.70</td>
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<tr>
<td>$K=6$</td>
<td>$A$</td>
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<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.25</td>
<td>0.60</td>
<td>1.10</td>
<td>120° 1.95</td>
</tr>
<tr>
<td>$K=7$</td>
<td>$A$</td>
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<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.30</td>
<td>0.70</td>
<td>1.30</td>
<td>92° 2.30</td>
</tr>
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<td>$A$</td>
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<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.35</td>
<td>0.85</td>
<td>120° 1.70</td>
<td>92° 2.80</td>
</tr>
<tr>
<td>$K=9$</td>
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<td>0.0</td>
<td>0.15</td>
<td>0.55</td>
<td>1.20</td>
<td>92° 2.15</td>
</tr>
</tbody>
</table>

With opening stop device to 92° art. S2BM37XG
With opening stop device to 120° art. S2AM37XG

The above values are calculated on the assumption that the doors have square edges.
They are reduced if the doors have radiussedd edges.

Spaces with removable components.

The door combined with a mounting plate $H=0$ and a straight arm hinge opens at 90° with lateral door protrusion of 6 mm.
Use these formulas to determine the type of hinge arm, the drilling distance “K” and the height of the mounting plate “H” which is necessary to solve each application problem.

To limit the opening of the hinge, see page 69 chapter “Accessories”.

Use the tables “Drillings and fixings” at page 21 to complete the code number of the desired hinge.

**Packing** • Boxes 100 pcs. • Pallets 2,400 pcs.
**Technical information**

**Hinges with adjustable integrated soft-close mechanism operated by twin silicone-oil dampers housed in the hinge cup.**
The decelerating effect is adjusted by using a simple switch.

For wooden doors with positive angled assembly.
**Hinges for min. 18 mm thick doors.**
15.5 mm deep cup.
94° opening.
Possible drilling distance on the door (K): from 3 to 9 mm.
Compatible with all traditional Series 200 mounting plates and with all Domi snap-on mounting plates.

**Packing** • Boxes 150 pcs. • Pallets 3,600 pcs.

The solution of assembly problems where doors are mounted at a positive angle requires the verification of drilling distances by a practical trial.
Please do not hesitate to consult our technical support department for assistance.

Use the tables “Drillings and fixings” at page 21 to complete the code number of the desired hinge.

---

**Arm 15°**

---

**Arm 24°**

---

**Arm 30°**
Technical information

Hinges with adjustable integrated soft-close mechanism operated by twin silicone-oil dampers housed in the hinge cup. The decelerating effect is adjusted by using a simple switch.

Crampon hinges.
For cabinet sides with 37x32 mm standard drilling.
Hinges for min. 18 mm thick doors.
15.5 mm deep cup.
94° opening.
Possible drilling distance on the door (K): from 3 to 9 m.
Compatible with all traditional Series 200 mounting plates and with all Domi snap-on mounting plates.

Use the tables “Drillings and fixings” at page 21 to complete the code number of the desired hinge.

Heights of mounting plates for every assembly.

C2_BNE9AC

E min:
- 61 mm for Series 200 mounting plates.
- 70 mm for Domi snap-on mounting plates.
- 74 mm for Domi snap-on mounting plates with back cam.
Technical information

Hinges with adjustable integrated soft-close mechanism operated by twin silicone-oil dampers housed in the hinge cup. The decelerating effect is adjusted by using a simple switch.

Crampon hinges. For smaller spaces with 15x32 mm drilling. Hinges for min. 18 mm thick doors. 15.5 mm deep cup. 94° opening. Possible drilling distance on the door (K): from 3 to 9 mm. Compatible with all traditional Series 200 mounting plates, 28x32 mm drilling. **NOT COMPATIBLE** with Domi snap-on mounting plates.

Use the tables “Drillings and fixings” at page 21 to complete the code number of the desired hinge.

**Packing** • Boxes 150 pcs. • Pallets 3,600 pcs.

Heights of mounting plates for every assembly.
Silentia • Series 300
Hinges with adjustable integrated soft-close mechanism operated by twin silicone-oil dampers housed in the hinge cup.

The decelerating effect is adjusted by using a simple switch.

Bright nickel plated steel cup and arm.
Dimensions of the Ø 35 mm cup.

Constant "L" value of 1.3 mm (it does not change during side adjustment).

Approx. number of hinges required according to the door dimension and weight.

Adjustments
Compensating side adjustment from -1.5 mm to +3 mm.
Height adjustment ±1.5 mm by cam.
Depth adjustment with Series 300 mounting plates +2.8 mm.
Anti-sliding safety stop.

Mounting plates
Asymmetrical bright nickel plated die-cast Series 300 mounting plates.
Positioning with pre-determined stop.

N.B.: Use POZIDRIVE No. 2 screwdrivers for all screws.
Drillings and fixings

<table>
<thead>
<tr>
<th>Wood screw</th>
<th>A</th>
<th>P</th>
<th>U</th>
</tr>
</thead>
<tbody>
<tr>
<td>94°</td>
<td>94°</td>
<td>94°</td>
<td></td>
</tr>
<tr>
<td>Dowel</td>
<td>B</td>
<td>R</td>
<td>W</td>
</tr>
<tr>
<td>94°</td>
<td>94°</td>
<td>94°</td>
<td></td>
</tr>
</tbody>
</table>

Use this table to identify the available drillings and fixings. Fill the third position of the hinge code number with the letter or the number corresponding to your choice. I.e.: C3_BAE9.

Fill this position with the chosen letter or number.
**Technical information**

Hinges with adjustable integrated soft-close mechanism operated by twin silicone-oil dampers housed in the hinge cup. The decelerating effect is adjusted by using a simple switch.

Hinges for min. 18 mm thick doors. 15.5 mm deep cup. 94° opening. Possible drilling distance on the door (K): from 3 to 9 mm. Compatible with all traditional Series 300 mounting plates.

**Space needed to open the door**

<table>
<thead>
<tr>
<th>K</th>
<th>A</th>
<th>T= 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>0.1 0.2 0.3 0.4 0.5 0.7 0.8 1.0 1.6 2.6 3.5 4.5 5.4 6.4 7.4 8.3 9.3</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>0.1 0.2 0.3 0.4 0.5 0.7 0.8 1.0 1.2 1.9 2.8 3.8 4.7 5.7 6.6 7.6 8.6</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>0.1 0.2 0.3 0.4 0.5 0.7 0.8 1.0 1.2 1.4 2.2 3.1 4.1 5.0 5.9 6.9 7.8</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>0.1 0.2 0.3 0.4 0.5 0.6 0.8 1.0 1.2 1.4 1.7 2.6 3.5 4.4 5.3 6.2 7.2</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>0.1 0.2 0.3 0.4 0.5 0.6 0.8 1.0 1.1 1.3 1.6 2.1 3.0 3.8 4.7 5.6 6.5</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>0.1 0.2 0.3 0.4 0.5 0.6 0.8 0.9 1.1 1.3 1.6 1.8 2.5 3.3 4.2 5.1 6.0</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>0.1 0.2 0.3 0.4 0.5 0.6 0.8 0.9 1.1 1.3 1.5 1.8 2.1 2.9 3.7 4.6 5.4</td>
<td></td>
</tr>
</tbody>
</table>

The above values are calculated on the assumption that the doors have square edges. They are reduced if the doors have radiussed edges.

**Projection of the door**

Projection of the door from the cabinet side at the max. opening. The figures are based on a straight arm hinge, H=0 mm thickness of mounting plate and K value = 3 mm.

**“C” value**

With this formula you can obtain the max. thickness of the moulded door that can be opened without touching adjacent carcase sides, doors or walls, whilst bearing in mind the above L·K·T values.

\[ C = 22.5 + K + A \]
Use these formulas to determine the type of hinge arm, the drilling distance "K" and the height of the mounting plate "H" which is necessary to solve each application problem.

Use the tables “Drillings and fixings” at page 33 to complete the code number of the desired hinge.
**Technical features**

**Hinges with adjustable integrated soft-close mechanism operated by twin silicone-oil dampers housed in the hinge cup.**

The decelerating effect is adjusted by using a simple switch.

**Bright nickel plated steel cup and arm.**

**Dimensions of the Ø 35 mm cup.**

Constant “L” value of 1.3 mm (it does not change during side adjustment).

Approx. number of hinges required according to the door dimension and weight.

---

**Adjustments**

Compensated side adjustment from -1.5 mm to +4.5 mm.
Height adjustment ±2 mm.
Depth adjustment with Series 200 mounting plates +2.8 mm.
Depth adjustment with Domi snap-on mounting plates from -0.5 mm to +2.8 mm.
Anti-sliding safety stop.

**Mounting plates**

Symmetrical and asymmetrical bright nickel plated steel or die-cast Series 200 mounting plates.
Snap-on assembly on Domi mounting plates.
Positioning with pre-determined stop on traditional Series 200 mounting plates.

N.B. : Use POZIDRIVE No. 2 screwdrivers for all screws.
## Drillings and fixings

Use this table to identify the available drillings and fixings. Fill the third position of the hinge code number with the letter or the number corresponding to your choice. I.e.: C7_6AE9.

Fill this position with the chosen letter or number.

<table>
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<tr>
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<th>110°</th>
<th>155°</th>
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<tr>
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<td>P</td>
<td>P</td>
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<td>U</td>
</tr>
<tr>
<td>Rapido</td>
<td>6</td>
<td>6</td>
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</tr>
<tr>
<td>Dowel</td>
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<td>B</td>
<td>R</td>
<td>R</td>
<td>W</td>
<td>W</td>
</tr>
<tr>
<td>Logica</td>
<td>I</td>
<td>I</td>
<td>J</td>
<td>J</td>
<td>Q</td>
<td>Q</td>
</tr>
</tbody>
</table>

### 110° opening and complementary hinges

- **Wood screw**: A, P, U
- **Rapido**: 6, 7, 2
- **Dowel**: B, R, W
- **Logica**: I, J, Q

### 155° opening

- **Wood screw**: A, P, U
- **Rapido**: 6, 7, 2
- **Dowel**: B, R, W
- **Logica**: I, J, Q
Technical information

Hinges with adjustable integrated soft-close mechanism operated by twin silicone-oil dampers housed in the hinge cup. The decelerating effect is adjusted by using a simple switch.

Hinges for min. 16 mm thick doors.
13.5 mm deep cup.
110° opening.
Possible drilling distance on the door (K): from 3 to 6 mm.
Compatible with all traditional Series 200 mounting plates and with all Domi snap-on mounting plates.

Space needed to open the door

<table>
<thead>
<tr>
<th>T=</th>
<th>16</th>
<th>17</th>
<th>18</th>
<th>19</th>
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<tr>
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<td>A=</td>
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<td>0.8</td>
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<td>1.6</td>
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</tr>
<tr>
<td>K=5</td>
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<td>2.1</td>
<td>2.4</td>
<td>2.7</td>
<td>3.1</td>
</tr>
</tbody>
</table>

The above values are calculated on the assumption that the doors have square edges. They are reduced if the doors have radius edges.

Projection of the door

Projection of the door from the cabinet side at the max. opening.
The figures are based on a straight arm hinge, H=0 mm thickness of mounting plate and K value = 3 mm.

“C” value

With this formula you can obtain the max. thickness of the moulded door that can be opened without touching adjacent carcase sides, doors or walls, whilst bearing in mind the above L·K·T values.

C=22.5 + K + A
Use these formulas to determine the type of hinge arm, the drilling distance “K” and the height of the mounting plate “H” which is necessary to solve each application problem.

Use the tables “Drillings and fixings” at page 39 to complete the code number of the desired hinge.
Technical information

Hinges with integrated soft-close mechanism operated by twin silicone-oil dampers housed in the hinge cup.

Hinges for thick doors 16 mm min.
Hinge with greater opening angle and reduced operating profile. 13.5 mm deep cup.

155° opening.
Possible drilling distance on the door (K): from 3 to 8 mm.
Compatible with all traditional Series 200 mounting plates and with all Domi snap-on mounting plates.

Space needed to open the door

<table>
<thead>
<tr>
<th>T</th>
<th>16</th>
<th>18</th>
<th>20</th>
<th>22</th>
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</thead>
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<td>0.95</td>
<td>120°</td>
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<td>0.0</td>
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<td>120°</td>
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<td>0.70</td>
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<td>92°</td>
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<td>0.0</td>
<td>0.0</td>
<td>0.40</td>
<td>0.95</td>
<td>1.40</td>
<td>92°</td>
</tr>
</tbody>
</table>

With opening stop device a 92° art. S2BM37XG
With opening stop device a 120° art. S2AM37XG

The above values are calculated on the assumption that the doors have square edges. They are reduced if the doors have radius ed edges.

Spaces with removable components.

The door combined with a mounting plate H=0 and a straight arm hinge opens at 90° with lateral door protrusion of 2 mm.
Use these formulas to determine the type of hinge arm, the drilling distance “K” and the height of the mounting plate “H” which is necessary to solve each application problem.

To limit the opening of the hinge, see page 69 chapter “Accessories”.

Use the tables “Drillings and fixings” at page 39 to complete the code number of the desired hinge.
Technical information

Hinges with adjustable integrated soft-close mechanism operated by twin silicone-oil dampers housed in the hinge cup. The decelerating effect is adjusted by using a simple switch.

For wooden doors with positive angled assembly.
Hinges for min. 16 mm thick doors.
13.5 mm deep cup.
110° opening.
Possible drilling distance on the door (K): from 3 to 6 mm.
Compatible with all traditional Series 200 mounting plates and with all Domi snap-on mounting plates.

Packing • Boxes 150 pcs. • Pallets 3.600 pcs.

The solution of assembly problems where doors are mounted at a positive angle requires the verification of drilling distances by a practical trial.
Please do not hesitate to consult our technical support department for assistance.

Use the tables “Drillings and fixings” at page 39 to complete the code number of the desired hinge.

Arm 15°

Arm 24°

Arm 30°

C7_6ZE9

C7_6UE9

C7_6EE9
The solution of assembly problems where doors are mounted at a negative angle requires the verification of drilling distances by a practical trial. Please do not hesitate to consult our technical support department for assistance.

Use the tables “Drillings and fixings” at page 39 to complete the code number of the desired hinge.

**Packing**

- Boxes 150 pcs.
- Pallets 3,600 pcs.

**Technical information**

Hinges with adjustable integrated soft-close mechanism operated by twin silicone-oil dampers housed in the hinge cup. The decelerating effect is adjusted by using a simple switch.

For wooden doors with negative angled assembly.

- **Hinges for min. 16 mm thick doors.**
- **13.5 mm deep cup.**
- 110° opening.
- Possible drilling distance on the door (K): from 3 to 6 mm.
- Compatible with all traditional Series 200 mounting plates and with all Domi snap-on mounting plates.
Use the tables “Drillings and fixings” at page 39 to complete the code number of the desired hinge.

**Packing** • Boxes 150 pcs. • Pallets 3.600 pcs.

Technical information

**Hinges with adjustable integrated soft-close mechanism operated by twin silicone-oil dampers housed in the hinge cup.**
The decelerating effect is adjusted by using a simple switch.

**Crampon hinges.**
For cabinet sides with 37x32 mm standard drilling.
Hinges for min. 16 mm thick doors.
**13.5 mm deep cup.**
110° opening.
Possible drilling distance on the door (K): from 3 to 6 mm.
Compatible with all traditional Series 200 mounting plates and with all Domi snap-on mounting plates.

**Heights of mounting plates for every assembly.**

- **E min:**
  - 61 mm for Series 200 mounting plates.
  - 70 mm for Domi snap-on mounting plates.
  - 74 mm for Domi snap-on mounting plates with back cam.

**C7_6NE9AC**

- **A=1  K=3**
**Technical information**

Hinges with adjustable integrated soft-close mechanism operated by twin silicone-oil dampers housed in the hinge cup. The decelerating effect is adjusted by using a simple switch.

Long crampon hinges.
Hinges for min. 16 mm thick doors.
**13.5 mm deep cup.**
110° opening.
Possible drilling distance on the door (K): from 3 to 6 m.
Compatible with all traditional Series 200 mounting plates and with all Domi snap-on mounting plates.

**Packing** • Boxes 150 pcs. • Pallets 3.600 pcs.

Use the tables “Drillings and fixings” at page 37 to complete the code number of the desired hinge.

**C7_6NE9AM**

E min:
- 61 mm for Series 200 mounting plates.
- 70 mm for Domi snap-on mounting plates.
- 74 mm for Domi snap-on mounting plates with back cam.

Heights of mounting plates for every assembly.
Technical information

Hinges with adjustable integrated soft-close mechanism operated by twin silicone-oil dampers housed in the hinge cup. The decelerating effect is adjusted by using a simple switch.

Crampon hinges.
For smaller spaces with 15x32 mm drilling.
Hinges for min. 16 mm thick doors.
13.5 mm deep cup.
110° opening.
Possible drilling distance on the door (K): from 3 to 6 mm.
Compatible with all traditional Series 200 mounting plates, 28x32 mm drilling.
NOT COMPATIBLE with Domi snap-on mounting plates.

Use the tables “Drillings and fixings” at page 37 to complete the code number of the desired hinge.
Silentia+  •  For metal profiles
Technical information

Hinges with adjustable integrated soft-close mechanism operated by twin silicone-oil dampers housed in the hinge cup. The decelerating effect is adjusted by using a simple switch.

Hinges specially developed for use with metal profiles. 105° opening.

We recommend the use of countersunk flat head self tapping screws ø 2.9x6.5 UNI 6955 DIN 7982 to fix C1Z6 hinges. Compatible with all traditional Series 200 mounting plates and with all Domi snap-on mounting plates.

Packing • Boxes 150 pcs. • Pallets 3,600 pcs.
Technical information

Hinges with adjustable integrated soft-close mechanism operated by twin silicone-oil dampers housed in the hinge cup. The decelerating effect is adjusted by using a simple switch.

For doors with positive angled assembly.
Hinges specially developed for use with metal profiles.

105° opening.

We recommend the use of countersunk flat head self tapping screws Ø 2.9x6.5 UNI 6955 DIN 7982 to fix C1Z6 hinges.
Compatible with all traditional Series 200 mounting plates and with all Domi snap-on mounting plates.

Packing • Boxes 150 pcs. • Pallets 3,600 pcs.

Complementary hinges

Arm 30°

Arm 45°

C1Z6EE9

C1Z6ME9
Technical information

Hinges with adjustable integrated soft-close mechanism operated by twin silicone-oil dampers housed in the hinge cup. The decelerating effect is adjusted by using a simple switch.

Crampon hinges.
For cabinet sides with 37x32 mm standard drilling.
Hinges specially developed for use with metal profiles.
105° opening.
We recommend the use of countersunk flat head self tapping screws ø 2.9x6.5 UNI 6955 DIN 7982 to fix C1Z6 hinges.
Compatible with all traditional Series 200 mounting plates and with all Domi snap-on mounting plates.

Packing • Boxes 150 pcs. • Pallets 3.600 pcs.

C1Z6NE9AC

E min:
• 61 mm for Series 200 mounting plates.
• 70 mm for Domi snap-on mounting plates.
• 74 mm for Domi snap-on mounting plates with back cam.

Technical information

Hinges with adjustable integrated soft-close mechanism operated by twin silicone-oil dampers housed in the hinge cup. The decelerating effect is adjusted by using a simple switch.

Crampon hinges.
For smaller spaces with 15x32 mm drilling.
Hinges specially developed for use with metal profiles.
105° opening.
We recommend the use of countersunk flat head self tapping screws ø 2.9 x 6.5 UNI 6955 DIN 7982 to fix C1Z6 hinges.
Compatible with all traditional Series 200 mounting plates, drilling 28x32 mm.
NOT COMPATIBLE with Domi snap-on mounting plates.

Packing • Boxes 150 pcs. • Pallets 3.600 pcs.

C1Z6NE9

S

min 32

15

T
Drilling of the metal profile
Countersunk flat head self tapping screws Ø 2.9x6.5 UNI 6955 - DIN 7982

D1Z6HSK
Fancy cover for hinge
(should be ordered separately)
Silentia • Series 800


**Hinges with integrated soft-close mechanism in the hinge cup.**

**Bright nickel plated steel cup and arm.**

Dimensions of the Ø 35 mm cup.

Approx. number of hinges required according to the door dimension and weight.

**Adjustments**

Side adjustment from -1.5 mm to +4.5 mm.

Height adjustment ±2 mm.

Depth adjustment from -1.5 mm to +3 mm.

**Mounting plates**

Symmetrical and asymmetrical bright nickel plated steel Series 200 mounting plates.

**NOT COMPATIBLE** with Series 200 mounting plates with negative height.

N.B. : Use POZIDRIVE No. 2 screwdrivers for all screws.
**Drillings and fixings**

<table>
<thead>
<tr>
<th>Wood screw</th>
<th>A</th>
<th>P</th>
<th>U</th>
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<tbody>
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<td>45</td>
<td>52</td>
</tr>
<tr>
<td>105°</td>
<td></td>
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</tr>
<tr>
<td>ø8</td>
<td>6</td>
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<td></td>
</tr>
<tr>
<td>ø10</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>105°</td>
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</table>

<table>
<thead>
<tr>
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</thead>
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<tr>
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<td>105°</td>
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<table>
<thead>
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<td>ø35</td>
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<td></td>
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</tbody>
</table>

**Use this table to identify the available drillings and fixings.**

**Fill the third position of the hinge code number with the letter or the number corresponding to your choice. I.e.: C8_6CD9.**

Fill this position with the chosen letter or number.

---

105° opening

**Attention:**

*it is essential to drill the door as specified for the perfect functioning of the hinge.*
**Space needed to open the door**

<table>
<thead>
<tr>
<th></th>
<th>T=15</th>
<th>T=16</th>
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<td>1.5</td>
<td>1.8</td>
</tr>
<tr>
<td>K=5</td>
<td>A=0.9</td>
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<td>1.5</td>
<td>1.8</td>
</tr>
<tr>
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<td>2.3</td>
<td>2.5</td>
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</table>

The above values are calculated on the assumption that the doors have square edges. They are reduced if the doors have radius edges.

**Projection of the door**

Projection of the door from the cabinet side at the max. opening. The figures are based on a straight arm hinge, H=0 mm thickness of mounting plate and K value = 3 mm.

**“C” value**

With this formula you can obtain the max. thickness of the moulded door that can be opened without touching adjacent carcase sides, doors or walls, whilst bearing in mind the above L·K·T values.

\[ C = 20.5 + K + A \]
Use these formulas to determine the type of hinge arm, the drilling distance “K” and the height of the mounting plate “H” which is necessary to solve each application problem.

Use the tables “Drillings and fixings” at page 59 to complete the code number of the desired hinge.
Silentia • Series 900
Silentia • Series 900

Hinges with integrated soft-close mechanism in the hinge cup.

Bright nickel plated steel cup and arm.
Dimensions of the Ø 35 mm cup.

Approx. number of hinges required according to the door dimension and weight.

Adjustments
Side adjustment from -1.5 mm to +4 mm.
Height adjustment ±2 mm.
Depth adjustment +2.5 mm.

Mounting plates
Symmetrical and asymmetrical bright nickel plated steel or die-cast Series 200 mounting plates.
NOT COMPATIBLE with Series 200 mounting plates with negative height.

N.B.: Use POZIDRIVE No. 2 screwdrivers for all screws.
Use this table to identify the available drillings and fixings. Fill the third position of the hinge code number with the letter or the number corresponding to your choice. I.e.: C9_6CD9.

Fill this position with the chosen letter or number.

<table>
<thead>
<tr>
<th>Drillings and fixings</th>
<th>Wood screw</th>
<th>Rapido</th>
<th>Dowel</th>
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<tbody>
<tr>
<td></td>
<td>A</td>
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<td>B</td>
</tr>
<tr>
<td></td>
<td>P</td>
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<td>R</td>
</tr>
<tr>
<td></td>
<td>U</td>
<td>2</td>
<td>W</td>
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</tbody>
</table>

Attention: it is essential to drill the door as specified for the perfect functioning of the hinge.
Space needed to open the door

Projection of the door

Projection of the door from the cabinet side at the max. opening. The figures are based on a straight arm hinge, H=0 mm thickness of mounting plate and K value = 3 mm.

Technical information

Hinges with integrated soft-close mechanism in the hinge cup.

Hinges for doors of small weight and thickness.

12 mm deep cup.

105° opening.

Possible drilling distance on the door (K): from 3 to 6 mm.

Compatible with all traditional Series 200 mounting plates.

NOT COMPATIBLE with Domi snap-on mounting plates.

The above values are calculated on the assumption that the doors have square edges. They are reduced if the doors have radiused edges.

“C” value

With this formula you can obtain the max. thickness of the moulded door that can be opened without touching adjacent carcase sides, doors or walls, whilst bearing in mind the above L·K·T values.
Use these formulas to determine the type of hinge arm, the drilling distance “K” and the height of the mounting plate “H” which is necessary to solve each application problem.

Use the tables “Drillings and fixings” at page 65 to complete the code number of the desired hinge.

---

**Packing**  •  Boxes 300 pcs.  •  Pallets 7,200 pcs.

---

Arm 0

H = 15 + K - (D)

C9_6CD9

Arm 5

H = 10 + K - (D)

C9_6JD9

Arm 9

H = 6 + K - (D)

C9_6LD9

Arm 17

H = -2 + K + A

C9_6SD9
Accessories
Screw cover caps.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>S2BX83H9</td>
<td>Symmetrical steel screw cover cap, it can be personalised on request. For Series 100, 200 and 700 hinges.</td>
</tr>
<tr>
<td>S8XX83H9</td>
<td>Symmetrical steel screw cover cap, it can be personalised on request. For Series 800 hinges.</td>
</tr>
<tr>
<td>S9XX83H9</td>
<td>Steel symmetrical screw cover cap, it can be personalised on request. For Series 900 hinges and complementary hinges Series 200 and 700.</td>
</tr>
<tr>
<td>S2MX83H9</td>
<td>Symmetrical steel screw cover cap with embossed logo. For Series 100, 200 and 700 hinges.</td>
</tr>
<tr>
<td>S8CX83H9</td>
<td>Symmetrical steel screw cover cap with embossed logo. For Series 800 hinges.</td>
</tr>
<tr>
<td>S9CX83H9</td>
<td>Symmetrical steel screw cover cap with embossed logo. For Series 900 hinges and complementary hinges Series 200 and 700.</td>
</tr>
</tbody>
</table>
Flange cover caps.

**S2XX85H9**  
Steel flange cover cap, it can be personalised on request.  
For all Series 100, 200, 300, 700, 800 and 900.

**S2CX85H9**  
Steel flange cover cap with embossed logo.  
For all Series 100, 200, 300, 700, 800 and 900.

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Spacers, gauge and fancy cover for Silentia hinges.

**S2XF86**  
Spacer to reduce the drilling depth for 155° hinges.  
- **S2XF86BT** = 0.6 mm  
- **S2XF86AT** = 1.2 mm  
- **S2XF86KT** = 1.8 mm

**D_A_AC_SN**  
Gauge to check the diameter and the depth of the drilling.  
- **D1A6AC3SN** = 12 mm  
- **D2ABACGSN** = 15.5 mm  
- **D7A6ACYSN** = 13.5 mm

**D1Z6HSK**  
Fancy cover for metal profiles hinges.

**S2XX86**  
Spacer to reduce the drilling depth for 94°, 105° and 110° hinges.  
- **S2XX86BT** = 0.6 mm  
- **S2XX86AT** = 1.2 mm  
- **S2XX86KT** = 1.8 mm

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**Stop devices.**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>S2A637XF</td>
<td>For all hinges for thicker doors, it limits opening at about 86°.</td>
</tr>
<tr>
<td>S2BF37XY</td>
<td>For 155° hinges, it limits opening at 130°.</td>
</tr>
<tr>
<td>S2BM37XG</td>
<td>For 155° hinges, it limits opening at 92°.</td>
</tr>
<tr>
<td>S1E637XY</td>
<td>For all Series 100 and 700 hinges, it limits opening at about 86°.</td>
</tr>
<tr>
<td>S2AF37X3</td>
<td>For 155° hinges, it limits opening at 135°.</td>
</tr>
<tr>
<td>S2AM37XG</td>
<td>For 155° hinges, it limits opening at 120°.</td>
</tr>
</tbody>
</table>
We reserve the right to change technical specifications without notice.

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• Technical pamphlet in Pdf format
• Video