Hinge with perfect damping and fine design.
sensys.

Technik für Möbel
sensys.
Perfect design and perfect action

Unique closing experience with emotional appeal

sensys marks the latest generation in hinge technology: The damping element is integrated invisibly into the hinge – an innovation that meets the highest criteria for convenience and functionality. Just a light touch – and the door closes smoothly and silently. The unique pull-in function closes the door gently and automatically as soon as the open angle is less than 35°. sensys delivers an exclusive closing experience loaded with emotional appeal. Doors will never stand open again.

Clean, elegant design

sensys has an elegant, contemporary look and meets all customer expectations for outstanding design and quality. The simple and harmonious lines of the design – from the cup and the arm cover cap to the mounting plate – give the hinge its perfectly modern look. All edges and radii contribute to the perfect harmony of hinge and mounting plate. Silent System damping is integrated invisibly in the hinge, as is the unlatch tab.
Engineered for easy use

With its shallow cup depth, sensys is a versatile solution for many applications, for example, with thinner doors or bigger outside radii. The sensys hinge design also permits minimal visible reveals currently popular even with thick doors. The direct adjustment feature makes it easy to set door depth. A special guard prevents accidental disengagement of the overlay adjustment screw. Cam screws in the mounting plate allow fast door height adjustment.

sensys is a low, slimline design; it leaves ample space for inside drawers, so that only very narrow gaps need be planned between the side panels and drawers.

sensys stands for tested quality, compliance with all current standards, excellent damping performance, durability and high stability. sensys meets the highest design criteria and is sure to be a long-time favourite.
Wide product range

The sensys hinge family includes products for all popular door mounting options, so that sensys hinges can be used in a wide variety of cabinet designs. Designed-in compatibility means that sensys mounting plates can also be combined with hinges from the Intermat range.

sensys cups and mounting plates can be mounted using any of the commonly accepted methods. The cup can be secured in place by screws, knock-in sockets or by toolless Fix fast assembly.

Mounting plates are available for securing with screws, press-in or expanding sockets, pre-mounted Euro screws or with the patented Hettich Direkt system.
A glance at the benefits

- **High-performance Silent System damping system** invisibly integrated in the hinge arm
- **Eccentric height adjustment** ± 2 mm saves an enormous amount of time
- **Depth adjustment** + 3 / -2 mm and direct adjustment for millimetre precision
- **Integrating overlay adjustment** ± 2 mm with stop limitation for perfect gap alignment
- **Mounting plate compatible with Intermat hinge range**
- **Elegant cover cap for the hinge cup**
- **Shallow cup depth**: 12.8 mm
- **Depth adjustment** + 3 / -2 mm and direct adjustment for millimetre precision
- **Eccentric height adjustment** ± 2 mm saves an enormous amount of time
- **Hinge and mounting plate** - a perfect design match

**Concealed release latch**
Simple, safe, reliable

**Toolless assembly**
Press gently and the hinge arm engages securely in the mounting plate

**Minimum door protrusion**
Narrow gaps maximize space available for inside drawers

**Unique self-closing angle**
Gentle, smooth closing from an opening angle of 35°

**Narrow reveals**
Only 4 mm for 22 mm door thickness
Fast-assembly concealed hinges with integrated damping
sensys
Product overview

Technical information

sensys 8645i
Opening angle 110°
for door thickness up to 22 mm

sensys 8639i
Opening angle 95°
for door thickness up to 28 mm

sensys 8639i W30
Opening angle 95°
for cabinet face angle 30°

sensys 8639i W45
Opening angle 95°
for cabinet face angle 45°

sensys 8639i W90
Opening angle 95°
for cabinets with blind panels 90°

Intermat 9956
Opening angle 165°

Mounting plate system 8099
for sensys and Intermat hinges
Fast-assembly concealed hinge with integrated damping
sensys

Technical information

**Mounting options**
- **Full overlay**
- **Half overlay**
- **Inset**

**Minimum door reveal**
- **Minimum door reveal for half overlay**
- **Minimum door reveal for inset**

**Cup distance C**
The cup distance C is the distance between the edge of the door and the edge of the cup hole. The larger the cup distance, the smaller the required minimum reveal.

**Overlay (door overlay) / Base**
The overlay (A) is the distance by which the door projects over the side panel. The Base (B) is the distance by which the hinge cup extends over the side panel when MPL distance is 0.

**Number of hinges per door**
- **Door width, height and weight as well as the material quality of the door are decisive factors determining the number of hinges required.**
- **The factors encountered in each individual case in practice differ enormously.**
  - For this reason, the number of hinges shown in the diagram should only be taken as a guide.
  - If in doubt, it is advisable to produce a trial mounting to increase the number of hinges.
  - For reasons of stability, distance X between the hinges must always be made as large as possible.

**General method for calculating distances**
Mounting plates are available in different distances (0/1.5/3 and 6 mm). The height of the mounting plate is defined by distance D.

- **Distance D is shown on the top of each mounting plate.**
- **A larger distance D reduces the overlay for corner and centre stops.**

**Calculating distance for inset doors**
The mounting plate distance shown in the table for inset doors automatically allows for the reveal. This minimum reveal is dependent on the cup distance C and the door thickness; minimum reveals are shown in a table. If a bigger visible reveal is preferred, then a greater mounting plate distance must be selected.

**Calculating distance for overlay doors**

- **Once the minimum reveal has been defined, the specific distance D can be read off in the table for the required door overlay and specific cup distance C.**
  - **Ideally, the door overlay and value C should be selected to yield a distance D which is available as a mounting plate.**
  - **Example:** Overlay = 16 mm and cup distance C = 5 mm yield a distance D equal to 1.5 mm. This distance is available as a mounting plate.

**Calculating distance for inset doors**
The mounting plate distance shown in the table for inset doors automatically allows for the reveal. This minimum reveal is dependent on the cup distance C and the door thickness; minimum reveals are shown in a table. If a bigger visible reveal is preferred, then a greater mounting plate distance must be selected.

**Example:**
- Door thickness = 19 mm and cup distance C = 6 mm.
- The mounting plate distance read off from the table is 3 mm. This will produce the required minimum reveal of 1 mm. If instead the design requires, e.g., a visible reveal of 3 mm, then the mounting plate distance should be selected to be 2 mm greater. In the example, this would mean a distance of 5 mm instead of 3 mm. Intermediate distances not available as standard mounting plate distances are achieved via the hinge overlay adjustment.

**Characteristic for sensys hinges is the ergonomical snap-on assembly.**
First, slide all the hinges, from the front, onto the mounting plates (1) then press lightly on each successive hinge until the arm latches onto the mounting plate (2) with an audible click.

The hinge arm is now securely clamped, via five points, with zero play. Doors are clipped on zipper style from top to bottom.

Disassembly is carried out in the opposite direction from bottom to top. The hinge is unlatched by pressing lightly on latch (1) which is hidden under the side arm for safety reasons. In one movement, the hinge arm is lifted off the mounting plate (3) and the door is removed from the cabinet (4).
Fast-assembly concealed hinge with integrated damping
sensys 8645i
Opening angle 110°

Fast-assembly concealed hinge with integrated damping
sensys 8645i
Opening angle 110°

- Concealed hinge for snap-on attachment
- For door thicknesses of 15 - 22 mm
- Cup diameter 35 mm
- Integrated overlay adjustment: ± 2 mm
- Integrated depth adjustment: + 3 mm / – 2 mm
- Cup depth: 12,8 mm
- "Fix" toolless assembly version on request

**Cup assembly**

| Screw-on: TH52 | 907 120 5 | 907 120 6 | 907 120 7 | 200 |
| Press-in: TH53 | 907 120 8 | 907 120 9 | 907 121 0 | 200 |
| Screw-on: TB52 | 907 122 3 | 907 122 4 | 907 122 5 | 200 |
| Press-in: TB53 | 907 122 6 | 907 122 7 | 907 122 8 | 200 |

Hinge-arm cover cap
- Nickel-plated steel

Hinge cup cover cap
- Nickel-plated steel

**Cup version**

<table>
<thead>
<tr>
<th>Cup version</th>
<th>X mm</th>
<th>Y mm</th>
<th>Order no. PU</th>
</tr>
</thead>
<tbody>
<tr>
<td>TH 52 / TH 53 / TS 52 / TS 53</td>
<td>68,2</td>
<td>4,5</td>
<td>908 261 4</td>
</tr>
<tr>
<td>TB52 / TB53</td>
<td>61,4</td>
<td>4,5</td>
<td>908 492 4</td>
</tr>
</tbody>
</table>

**Version**

<table>
<thead>
<tr>
<th>Version</th>
<th>Order no.</th>
<th>PU</th>
</tr>
</thead>
<tbody>
<tr>
<td>without Hettich logo</td>
<td>908 261 2</td>
<td>200</td>
</tr>
<tr>
<td>with Hettich logo</td>
<td>908 277 4</td>
<td>200</td>
</tr>
</tbody>
</table>

**Mounting options**

<table>
<thead>
<tr>
<th>H/T mm</th>
<th>Full overlay</th>
<th>Half overlay</th>
<th>Inset door</th>
</tr>
</thead>
<tbody>
<tr>
<td>25,0/8,5</td>
<td>31,0/18,0</td>
<td>38,0/25,0</td>
<td></td>
</tr>
</tbody>
</table>

**Distance D = C + B - A = cup distance C + 12,5 mm - overlay A**

**Distance D = C + B + F = cup distance C - 4,0 mm + reveal F**

The minimum reveal is reduced for a door thickness of, for example, 22 mm with radii:
1 mm radius: table entry = 0,4 mm
3 mm radius: table entry = 1,0 mm

**Minimum reveal per door – allow for in distance calculation**

Table entries apply to doors with 0 mm radius

- 3 mm radius: table entry = 4,0 mm
- 5 mm radius: table entry = 6,0 mm
- 7 mm radius: table entry = 8,0 mm

Mounting plates, see pages 30 - 31
Technical information, see pages 12 - 13
Fast-assembly concealed hinge with integrated damping
sensys 8639i
Opening angle 95°

- Concealed hinge for snap-on attachment, with integrated damping
- For door thicknesses of 15 - 28 mm
- Cup diameter 35 mm
- Integrated overlay adjustment ± 2 mm
- Integrated depth adjustment +3 mm / –2 mm
- Height adjustment at mounting plate
- Cup depth 12.8 mm
- "FIX" toolless assembly version on request

Hinge-arm cover cap
- Nickel-plated steel

Version | Order no. | PU
---|---|---
without Hettich logo | 908 261 2 | 200
with Hettich logo | 908 277 4 | 200

Hinge cup cover cap
- Nickel-plated steel

Version | Order no. | PU
---|---|---
without Hettich logo | 908 261 4 | 200
with Hettich logo | 908 492 4 | 200

### Cup assembly

<table>
<thead>
<tr>
<th>Full overlay</th>
<th>Half overlay</th>
<th>Inset</th>
</tr>
</thead>
<tbody>
<tr>
<td>Screw-on: TH 52</td>
<td>908 499 5</td>
<td>908 499 6</td>
</tr>
<tr>
<td>Press-in: TH 53</td>
<td>908 499 8</td>
<td>908 499 9</td>
</tr>
<tr>
<td>Screw-on: TB 52</td>
<td>908 501 0</td>
<td>908 501 1</td>
</tr>
<tr>
<td>Screw-on: TS 52</td>
<td>908 508 5</td>
<td>908 508 6</td>
</tr>
<tr>
<td>Press-in: TS 53</td>
<td>908 508 8</td>
<td>908 508 9</td>
</tr>
</tbody>
</table>

**Hinge protrusion H / door protrusion T**

| Minimum reveal per door | – Allows for in distance calculation
| --- | --- |
| Table entries apply to doors with 0 mm radius
| 3 | 0.3
| 4 | 0.5
| 4.5 | 0.5
| 5 | 0.4
| 6 | 0.4

### Mounting options

<table>
<thead>
<tr>
<th>Full overlay</th>
<th>Overlap mm</th>
<th>Cup distance C mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>11</td>
<td>12</td>
</tr>
<tr>
<td>3</td>
<td>5.5</td>
<td>4.5</td>
</tr>
<tr>
<td>4</td>
<td>6.5</td>
<td>5.5</td>
</tr>
<tr>
<td>4.5</td>
<td>7.0</td>
<td>6.0</td>
</tr>
<tr>
<td>5</td>
<td>7.5</td>
<td>6.5</td>
</tr>
<tr>
<td>6</td>
<td>8.5</td>
<td>7.5</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Half overlay</th>
<th>Overlap mm</th>
<th>Cup distance C mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>0.1</td>
<td>0.4</td>
</tr>
<tr>
<td>4</td>
<td>0.3</td>
<td>0.5</td>
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<tr>
<td>4.5</td>
<td>0.8</td>
<td>1.0</td>
</tr>
<tr>
<td>5</td>
<td>1.3</td>
<td>1.4</td>
</tr>
<tr>
<td>6</td>
<td>2.3</td>
<td>2.4</td>
</tr>
</tbody>
</table>

### Cup assembly

<table>
<thead>
<tr>
<th>Cup distance C mm</th>
<th>Door thickness mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
<td>16</td>
</tr>
<tr>
<td>3</td>
<td>0.3</td>
</tr>
<tr>
<td>4</td>
<td>0.3</td>
</tr>
<tr>
<td>4.5</td>
<td>0.3</td>
</tr>
<tr>
<td>5</td>
<td>0.3</td>
</tr>
<tr>
<td>6</td>
<td>0.3</td>
</tr>
</tbody>
</table>

The minimum reveal is reduced for a door thickness of, for example, 22 mm with radii:
- 1 mm radius: table entry – 0.4 mm
- 3 mm radius: table entry – 1.0 mm

Mounting plates, see pages 30 - 31
Technical information, see pages 12 - 13
Fast-assembly concealed hinge with integrated damping
sensys 8639i W30
for cabinets with 30° face angle, opening angle 95°

- Concealed hinge for snap-on attachment
- For cabinets with 30° face angle
- For door thicknesses of 15 - 28 mm
- Cup diameter 35 mm
- Integrated overlay adjustment ± 2 mm
- Integrated depth adjustment + 3 mm / – 2 mm
- Height adjustment at mounting plate
- Cup depth 12,8 mm
- “FIX” toolless assembly version on request

Fast-assembly concealed hinge with integrated damping
sensys 8639i W30
for cabinets with 30° face angle, opening angle 95°

- Concealed hinge for snap-on attachment
- For cabinets with 30° face angle
- For door thicknesses of 15 - 28 mm
- Cup diameter 35 mm
- Integrated overlay adjustment ± 2 mm
- Integrated depth adjustment + 3 mm / – 2 mm
- Height adjustment at mounting plate
- Cup depth 12,8 mm
- “FIX” toolless assembly version on request

---

### Cup assembly

**Full overlay** | **Inset** | **PU**
--- | --- | ---
Screw-on: | TH 52 | 908 516 6
| | 908 516 7 | 200
Press-in: | TH 53 | 908 517 1
| | 908 517 2 | 200
Screw-on: | TB 52 | 908 519 1
| | 908 519 2 | 200
Press-in: | TB 53 | 908 519 6
| | 908 519 7 | 200
Screw-on: | TS 52 | 908 530 6
| | 908 530 7 | 200
Press-in: | TS 53 | 908 531 1
| | 908 531 2 | 200

**Hinge-arm cover cap**
- Nickel-plated steel

**Hinge cup cover cap**
- Nickel-plated steel

### Cup distance

<table>
<thead>
<tr>
<th>C mm</th>
<th>Door thickness mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>12,1 14,1 16,1 18,1 20,1 22,1 24,1 26,1 28,1</td>
</tr>
<tr>
<td>4</td>
<td>1,1 1,3 1,5 1,7 1,9 2,1 2,3 2,5 2,7</td>
</tr>
<tr>
<td>4,5</td>
<td>0,1 0,3 0,5 0,7 0,9 1,1 1,3 1,5 1,7</td>
</tr>
<tr>
<td>5</td>
<td>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 4,6 4,8 5,0 5,2 5,4 5,6 5,8 6,0 6,2 6,4 6,6 6,8 7,0 7,2 7,4 7,6 7,8 8,0 8,2 8,4 8,6 8,8 9,0 9,2 9,4 9,6 9,8 10,0</td>
</tr>
</tbody>
</table>

### Minimum reveal per door – allow for in distance calculation

Table entries apply to doors with 0 mm radius

- 1 mm radius: table entry – 0,4 mm
- 3 mm radius: table entry – 1,0 mm

### Calculating distance

**Overlay doors:**
- Distance D = 0,87 x \((C + B - A)\) = 0,87 x \((\text{cup distance } C + 2 \text{ mm} - \text{overlay } A)\)

**Inset doors:**
- Distance D = 0,87 x \((C + B + F)\) = 0,87 x \((\text{cup distance } C - 16 \text{ mm} + \text{reveal } F)\)

### Technical information

- Mounting plates, see pages 30 - 31
- Technical information, see pages 12 - 13

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### Notes:
- The drawings below are to full scale (1:1) and show the hinges and mounting plate distances.
- By drawing in the required cup distance \(C\) (3 – 6 mm), the door overlay can be measured directly from the applicable distance line.
- The distance from the cabinet front edge to \(X\) on the selected distance line is also equal to the hole line distance from the cabinet front edge.
- For inset-mounted doors, the cup distance and door thickness must be taken into account when determining the minimum reveal!
Fast-assemble concealed hinge with integrated damping
sensys 8639i W45
for cabinets with 45° face angle, opening angle 95°

- Concealed hinge for snap-on attachment, with integrated damping
- For cabinets with 45° face angle
- For door thicknesses of 15 - 28 mm
- Cup diameter 35 mm
- Integrated overlay adjustment ± 2 mm
- Height adjustment at mounting plate
- Cup depth 12.8 mm
- "FIX" toolless assembly version on request

The minimum reveal is reduced for a door thickness of, for example, 22 mm with radii:
1 mm radius: table entry – 0.4 mm
3 mm radius: table entry – 2.2 mm

Calculating distance

Overlay doors
Distance $D = 0.71 \times (C + B - A) = 0.71 \times (\text{cup distance } C - 2 \text{ mm} - \text{overlay } A)$

Inset doors
Distance $D = 0.71 \times (C + B + F) = 0.71 \times (\text{cup distance } C - 25 \text{ mm} + \text{reveal } F)$

Note:
The drawings below are to full scale (1:1) and show the hinges and mounting plate distances.
By drawing in the required cup distance (C - 6 mm), the door overlay can be measured directly from the applicable distance line.
The distance from the cabinet front edge to X on the selected distance line is also equal to the hole line distance from the cabinet front edge.
For inset-mounted doors, the cup distance and door thickness must be taken into account when determining the minimum reveal!
Fast-assembly concealed hinge with integrated damping
sensys 8639i W90
for cabinets with blind panels 90°, opening angle 95°

- Concealed hinge for snap-on attachment
- For blind panel cabinets 90°
- For door thicknesses 15 - 28 mm
- Cup diameter 35 mm
- Adjustment of door parallel offset +1,0/-2,0 mm
- Integrated reveal adjustment +3,0/-2,0 mm
- Height adjustment at mounting plate
- Cup depth 12,8 mm
- "FIX" toolless assembly version on request

Inset

Cup assembly

Screw-on:
TH 52

908 517 0

200

Press-in:
TH 53

908 517 5

200

Screw-on:
TB 52

908 519 5

200

Press-in:
TB 53

908 520 0

200

Screw-on:
TS 52

908 531 0

200

Press-in:
TS 53

908 531 5

200

Hinge-arm cover cap
- Nickel-plated steel

Hinge cup cover cap
- Nickel-plated steel

Cup distance C mm
<table>
<thead>
<tr>
<th>Door thickness mm</th>
<th>15</th>
<th>16</th>
<th>17</th>
<th>18</th>
<th>19</th>
<th>20</th>
<th>21</th>
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<th>23</th>
<th>24</th>
<th>25</th>
<th>26</th>
<th>27</th>
<th>28</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>0,3</td>
<td>0,5</td>
<td>0,6</td>
<td>0,8</td>
<td>1,1</td>
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<td>4</td>
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<td>0,6</td>
<td>0,8</td>
<td>1,0</td>
<td>1,3</td>
<td>1,7</td>
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<td>2,7</td>
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<td>3,7</td>
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<td>4,7</td>
<td>5,2</td>
</tr>
<tr>
<td>6</td>
<td>0,3</td>
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<td>0,6</td>
<td>0,8</td>
<td>1,0</td>
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<td>3,1</td>
<td>3,6</td>
<td>4,1</td>
<td>4,6</td>
<td>5,1</td>
</tr>
</tbody>
</table>

Minimum reveal per door - allow for in distance calculation

Table entries apply to doors with 0 mm radius.

Calculating mounting plate distance (D) and hole line distance (X):
The measurements can be taken from the drawing, once the door offset (T), the cup distance (C) and the reveal (F) have been specified.

\[
D = B - T - 4 \text{ mm} \quad \text{and} \quad X = 38,5 \text{ mm} - C - F
\]

Hole line distance
\[
X = 38,5 \text{ mm} - C - F
\]

The recommended door offset is 1 mm.

Screw-on:
TH 52

Press-in:
TH 53

Screw-on:
TB 52

Press-in:
TB 53

Screw-on:
TS 52

Press-in:
TS 53

Hole line distance
\[
X = 29,5 \text{ mm} - C - F
\]

The reveal can be corrected if required via the adjusting element.

Mounting example

Mounting plates, see pages 30 - 31
Technical information, see pages 12 - 13
Fast-assembly concealed hinge with integrated damping
sensys 8638i
for aluminium-frame doors, opening angle 95°

- Concealed hinge for snap-on attachment, with integrated damping
- For 19 / 20 mm aluminium frame profiles
- Integrated overlay adjustment ± 2 mm
- Integrated depth adjustment + 3 mm / - 2 mm
- Height adjustment at mounting plate
- Includes 2 hinge cup fixing screws

**Cup mounting**

<table>
<thead>
<tr>
<th>Screw-on:</th>
<th>T32/26</th>
</tr>
</thead>
<tbody>
<tr>
<td>Order no.</td>
<td>907 142 1</td>
</tr>
<tr>
<td>PU</td>
<td>200</td>
</tr>
</tbody>
</table>

**Hinge-arm cover cap**
- Nickel-plated steel

**Version | Order no. | PU**
- without Hettich logo | 908 261 2 | 200
- with Hettich logo | 908 277 4 | 200

**Assembly:**

- Fixing screws (included)

**Milling diagram:**

- The minimum reveal for the profile we recommend is 1,6 mm (3,2 mm for half overlay version). Overlay for 0 mm distance = 17 mm

**Mounting options**

<table>
<thead>
<tr>
<th>H mm</th>
<th>T mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full overlay</td>
<td>25,0</td>
</tr>
<tr>
<td>Half overlay</td>
<td>31,0</td>
</tr>
<tr>
<td>Inset door</td>
<td>38,0</td>
</tr>
</tbody>
</table>

**Overlay mm**

<table>
<thead>
<tr>
<th>Distance D mm</th>
<th>5,0</th>
<th>4,0</th>
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<tbody>
<tr>
<td>Overlay A</td>
<td></td>
<td></td>
<td>12</td>
<td>13</td>
<td>14</td>
<td>15</td>
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<tr>
<td>Distance D mm</td>
<td></td>
<td></td>
<td>7,5</td>
<td>6,5</td>
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<td>4,5</td>
</tr>
<tr>
<td>Overlay A</td>
<td></td>
<td>12</td>
<td>14</td>
<td>16</td>
<td>17</td>
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</table>

**Reveal mm**

<table>
<thead>
<tr>
<th>Distance D mm</th>
<th>2,1</th>
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<th>3,5</th>
<th>4,5</th>
<th>5,5</th>
</tr>
</thead>
</table>

**Side**

- Door

**Distance D**

- Full overlay: $D = 4,5 + B - A = 4,5 + 12,5 mm - overlay A$
- Half overlay: $D = 4,5 + B - F = 4,5 + 3,0 mm - reveal$
- Inset: $D = 4,5 + B - F = 4,5 - 4,0 mm - reveal$

Mounting plates, see pages 30 - 31
Technical information, see pages 12 - 13
The sensys mounting plate multi-compatible

sensys mounting plates can also be used with all Intermat fast-assembly hinges. For furniture manufacturers and especially kitchen manufacturers this means cost savings thanks to a leaner production process. The same mounting plate can be used for all the cabinets in different product ranges and price categories. Differentiation, through selecting hinges with different features, takes place only towards the end of the production process.

This represents a significant gain in flexibility for manufacturers. The new mounting plate makes it easier to offer optional, integrated or no damping in line with pricing policy for each product range. It’s also easy to upgrade a product already in production at short notice, e.g., for special marketing campaigns. In addition, all of the mounting options in the Intermat hinge range can be used to expand the sensys hinge range.

The compatibility advantage
### Fast-assembly concealed hinge
**Intemat 9956**
**Opening angle 165°**

- Concealed hinge for snap-on attachment
- Silent System snap-on damping element must be ordered separately, see below
- Door thickness from 16 mm
- Cup diameter 35 mm
- Optimal reveals (hairline reveal)
- No door protrusion, ie, unobstructed interior space for pullouts
- Integrated overlay adjustment +1 / -2.5 mm
- Integrated depth adjustment 4 mm
- Height adjustment at mounting plate
- Cup depth 11.6 mm
- "FIX" toolless assembly version on request

#### Cup assembly

<table>
<thead>
<tr>
<th>Order no.</th>
<th>PU</th>
</tr>
</thead>
<tbody>
<tr>
<td>908 464 3</td>
<td>100</td>
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</tbody>
</table>

#### Full overlay

<table>
<thead>
<tr>
<th>Screw-on:</th>
<th>908 469 7</th>
<th>908 469 8</th>
</tr>
</thead>
<tbody>
<tr>
<td>Press-in:</td>
<td>908 470 1</td>
<td>908 470 2</td>
</tr>
</tbody>
</table>

#### Half overlay

<table>
<thead>
<tr>
<th>Screw-on:</th>
<th>908 472 5</th>
<th>908 472 6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Press-in:</td>
<td>908 472 9</td>
<td>908 473 0</td>
</tr>
</tbody>
</table>

#### Clip-on Silent System damping element

- Damping effect infinitely adjustable via setting wheel
- Toolless assembly / disassembly
- Easy to retrofit
- Only one damping element for 2 hinges

#### Mounting options

<table>
<thead>
<tr>
<th>Full overlay</th>
<th>58,5/66,0°* -0,8</th>
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</thead>
<tbody>
<tr>
<td>Half overlay</td>
<td>68,0/75,5* 8,7</td>
</tr>
</tbody>
</table>

#### Minimum reveal per door

<table>
<thead>
<tr>
<th>Cup distance C mm</th>
<th>Door thickness mm</th>
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<th>17</th>
<th>18</th>
<th>19</th>
<th>20</th>
<th>21</th>
<th>22</th>
<th>23</th>
<th>24</th>
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<tbody>
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<td>3</td>
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<td>0</td>
<td>0</td>
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<td>0</td>
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<td>0</td>
<td>0</td>
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<tr>
<td>4</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
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</tr>
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<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>4.5</td>
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<tr>
<td>6</td>
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<td>0</td>
<td>0</td>
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<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>4.5</td>
</tr>
</tbody>
</table>

#### Distance D = C + B - A = cup distance C + 3,0 mm - overlay A

#### Overlay

<table>
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<tr>
<th>Overlay A mm</th>
<th>0</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distance D mm</td>
<td>6,0</td>
<td>5,0</td>
<td>4,0</td>
<td>3,0</td>
<td>2,0</td>
<td>1,0</td>
<td>0,0</td>
<td>0,0</td>
<td>0,0</td>
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</table>

#### Half overlay

<table>
<thead>
<tr>
<th>Overlay A mm</th>
<th>0</th>
<th>1</th>
<th>2</th>
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<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
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</tr>
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<tbody>
<tr>
<td>Distance D mm</td>
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<td>5,0</td>
<td>4,0</td>
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#### Technical information, see pages 12 - 13

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*With damping*
Mounting plate System 8099 for sensys and Intermat hinges

### Mounting plate System 8099 for sensys and Intermat hinges

<table>
<thead>
<tr>
<th>Mounting plate</th>
<th>Distance Hole line mm</th>
<th>Distance mm</th>
<th>Order no. PU</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Screw-on cross mounting plate</strong></td>
<td>28</td>
<td>0,0</td>
<td>907 167 0 200</td>
</tr>
<tr>
<td>- To fix with countersunk wood screws ø 4,5 x 16 mm</td>
<td></td>
<td>1,5</td>
<td>907 167 1 200</td>
</tr>
<tr>
<td>- Hole distance 32 mm</td>
<td></td>
<td>3,0</td>
<td>907 167 2 200</td>
</tr>
<tr>
<td>- Height adjustment ± 2,5 mm</td>
<td></td>
<td>5,0</td>
<td>907 167 3 200</td>
</tr>
<tr>
<td>- Drill hole: ø 10 x 12 mm</td>
<td>37</td>
<td>0,0</td>
<td>907 167 4 200</td>
</tr>
<tr>
<td>- Height adjustment ± 2 mm</td>
<td></td>
<td>1,5</td>
<td>907 167 5 200</td>
</tr>
<tr>
<td>- Hole distance 32 mm</td>
<td></td>
<td>3,0</td>
<td>907 167 6 200</td>
</tr>
<tr>
<td>- Drill hole: ø 10 x 12 mm</td>
<td></td>
<td>5,0</td>
<td>907 167 7 200</td>
</tr>
<tr>
<td>Cross mounting plate with expansion dowels</td>
<td>28</td>
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<td>907 160 0 200</td>
</tr>
<tr>
<td>- To fix with pre-mounted expansion dowels</td>
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<td>1,5</td>
<td>907 160 1 200</td>
</tr>
<tr>
<td>- Hole distance 32 mm</td>
<td></td>
<td>3,0</td>
<td>907 160 2 200</td>
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<tr>
<td>- Height adjustment ± 2 mm</td>
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<td>- Drill hole: ø 10 x 12 mm</td>
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<td>907 160 4 200</td>
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<tr>
<td>Press-on cross mounting plate</td>
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<td>907 162 0 200</td>
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<td>- To fix with premounted Euroscrews</td>
<td></td>
<td>1,5</td>
<td>907 162 1 200</td>
</tr>
<tr>
<td>- Hole distance 32 mm</td>
<td></td>
<td>3,0</td>
<td>907 162 2 200</td>
</tr>
<tr>
<td>- Height adjustment ± 2 mm</td>
<td></td>
<td>5,0</td>
<td>907 162 3 200</td>
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<td>- Drill hole: ø 5 x 12 mm</td>
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<td>907 162 4 200</td>
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<tr>
<td>Press-in cross mounting plate</td>
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<td>- To fix with pre-mounted press-in dowels</td>
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<td>907 159 6 200</td>
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<td>- Hole distance 32 mm</td>
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<td>907 158 7 200</td>
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<td>- Drill hole: ø 10 x 12 mm</td>
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<td>5,0</td>
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<td>&quot;Hetthich Direkt&quot; cross mounting plate for centre panels</td>
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<tr>
<td>- To fix with pre-mounted locating plugs and asymmetrically-positioned pre-mounted wood screws</td>
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<td>907 168 6 200</td>
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<tr>
<td>- Hole distance 32 mm</td>
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<td>- Height adjustment ± 2,5 mm</td>
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<td>- Drill hole: ø 5 x 7,5 mm</td>
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<td>907 156 8 200</td>
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### Mounting plate System 8099 with eccentric height adjustment for sensys and Intermat hinges

<table>
<thead>
<tr>
<th>Mounting plate</th>
<th>Distance Hole line mm</th>
<th>Distance mm</th>
<th>Order no. PU</th>
</tr>
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<tbody>
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<td>- Height adjustment ± 2 mm</td>
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<td>907 166 3 200</td>
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<td>- Drill hole: ø 10 x 12 mm</td>
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<td>907 165 4 200</td>
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<tr>
<td><strong>Screw-on cross mounting plate with eccentric adjustment</strong></td>
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<td>907 167 0 200</td>
</tr>
<tr>
<td>- To fix with premounted Euroscrews</td>
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<td>907 167 1 200</td>
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<tr>
<td>- Hole distance 32 mm</td>
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<td>907 167 2 200</td>
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<tr>
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<td>- Drill hole: ø 5 x 12 mm</td>
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<td>907 168 0 200</td>
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### Mounting plate System 8099 with eccentric height adjustment for centre panels

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<tbody>
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<td>907 165 0 200</td>
</tr>
<tr>
<td>- To fix with pre-mounted locating plugs and asymmetrically-positioned pre-mounted wood screws</td>
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<td>907 165 1 200</td>
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<tr>
<td>- Hole distance 32 mm</td>
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<td>- Drill hole: ø 5 x 7,5 mm</td>
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