Concealed hinge and mounting plate
Concealed hinges and mounting plates available at IKEA Components.

Slide Hinge with pre assembled mounting plate, cup diameter 35mm
Easy to fit in the cabinet
For large frames
Enables functionalities such as push open and soft closing

Slide Hinge with cup diameter 26mm
For small frames
Requires less space
Low price

Mounting plate for Slide hinge with cup diameter 26mm
Door positioning

The crank of the hinge arm is used to position the door sideways.

The crank is used together with a specific door position. There are three main door positions, full overlay doors, half overlay doors and inset doors, see pictures below.

**Hinge arm**

**Crank = 0**

Crank 0 is used with **Full overlay** doors.

The door covers, except for the space needed to open the door, the side of the carcass.

Critical to consider for the full overlay door is the combination between the thickness of the door and the thickness of the carcass.

**Full overlay door**

**Crank = 8**

Crank 8 is used with **Half overlay** doors.

Typical when you have a cabinet with an intermediate wall commonly shared by two doors. The gap between the doors needs to be taken into consideration to prevent the doors from colliding with each other.

Sometimes a half overlay door is also used to create a specific expression.

**Half overlay door**

**Crank = 16**

Crank 16 is used for **Inset doors**, allowing the carcass form a frame around the doors.

Here the thickness of the side walls is not important, when calculating the combination between drilling and base plate. More important is the gap between side wall and the front, this needs to be taken into consideration to prevent the door from colliding with the side wall when opening and closing the door.

**Inset door**
**Hinges per door**

The amount of hinges per door depends on factors as the width of the door, height, the weight and material.

The distance between the hinges shall be as large as possible.

The values in the picture are guideline values.

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**Gap**

The space required for opening the door, door clearance (Gap), depends on the cup distance C* and the height of the mounting plate. The dimension for C* can be determined between 4mm to 6mm.
Drilling pattern and cup distance C*

Below you can see drilling patterns for IKEA developed hinges and mounting plates

<table>
<thead>
<tr>
<th>øD</th>
<th>C-C</th>
<th>B</th>
<th>ød</th>
<th>H</th>
<th>C*</th>
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<tbody>
<tr>
<td>26</td>
<td>38</td>
<td>5.5</td>
<td>3</td>
<td>10</td>
<td>4-6</td>
</tr>
<tr>
<td>26</td>
<td>38</td>
<td>5.5</td>
<td>5</td>
<td>10</td>
<td>4-6</td>
</tr>
<tr>
<td>35</td>
<td>45</td>
<td>9.5</td>
<td>5</td>
<td>12.5</td>
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</tr>
<tr>
<td>35</td>
<td>45</td>
<td>9.5</td>
<td>3</td>
<td>12.5</td>
<td>4-6</td>
</tr>
</tbody>
</table>

Cabinet/Mounting plate

Door/Hinge
**Adjustment options**

**Side adjustment**
Adjustment screw

**Height adjustment**
Oval holes
Eccentric

**Depth adjustment**
Regular screw
Eccentric screw
The available IKEA range of opening angles (A) for concealed hinges at IKEA Components.

<table>
<thead>
<tr>
<th>Cup diameter</th>
<th>Door position</th>
<th>Angle for Full overlay door</th>
<th>Angle for Half overlay door</th>
<th>Angle for Inset door</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø26</td>
<td>100°</td>
<td>100°</td>
<td>100°</td>
<td>100°</td>
</tr>
<tr>
<td>Ø35</td>
<td>125°</td>
<td>125°</td>
<td>100°</td>
<td>100°</td>
</tr>
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</table>
Hinge features

**Soft closing**
High demand
Adds customer value
Standard hinges

Closing of the door can be improved by adding a damper for **Soft closing**. This will make the closing more silent and create a feeling of higher quality. Soft closing functionality is not available for mini hinges.

**Push open**
No need for knobs and handles
Adds customer value
Both mini and standards hinges

To allow the customer having a clean look without handles or knobs on the fronts we provide a **Push open component**. By a light push of the front, the push latch is activated, pushing the door outwards allowing the user grab and fully open the door.

Notice that **Soft closing and push open are not compatible**
Assembly options

**Slide hinge** with cup diameter **26mm**
with separate mounting plate
Click on the blue text to find shared solution article number

**Full overlay door**

**Half overlay door**

**Inset door**

**Slide hinge** with cup diameter **35mm** with preassembled mounting plate and screws
Click on the blue text to find shared solution article number

**Full overlay door**

**Half overlay door**

**Inset door**