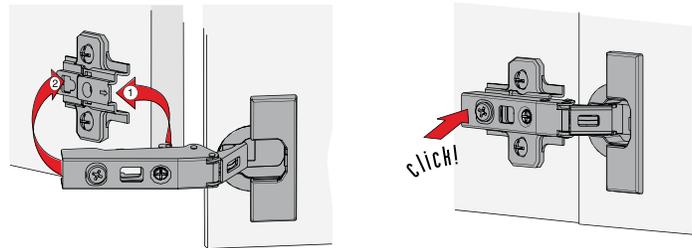## Installation / removal

Intermat hinges are distinguished by ergonomic snap-on assembly. The hinge is first threaded into the front of the mounting plate (1). The hinge arm can now be heard to engage on the mounting plate in response to a light press of the finger (2).

The hinge arm is now securely clamped to the plate at five points and with zero play.
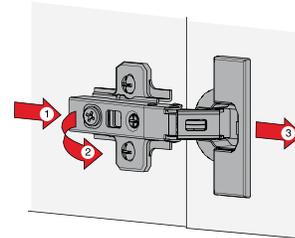
As a general rule, hinges are snapped on from top to bottom. Once fitted, the top-most hinge supports part of the door's weight.

Hinges are removed in the opposite sequence, i.e. from bottom to top, equally as ergonomically.

The hinge is released by lightly pressing the engagement catch (1) which is concealed beneath the side arm for safety reasons.

The hinge arm is now lifted off the mounting plate (2) and the door can be removed towards the front (3).

Distance D

Mounting plates are available in various thicknesses, with their effective height being identified by the distance value.
The starting point for calculating the required distance is the chosen mounting option with defined door overlay or reveal.
Proceeding from cup distance and door thickness, the first step is to determine the necessary minimum reveal from the table. If this is too large for the chosen overlay, the minimum reveal can be reduced by increasing cup distance C as well as by rounding the door edges.
The distance required for the mounting plate is now determined using the formula relating to hinge cranking.

Example:
Half-overlay door, total reveal between two doors being 5 mm
Hinge 9943 (9.5 mm cranking)
Side panel thickness 18 mm, door thickness 22 mm,
ideal cup distance 3 mm

1. **Value given in the table for minimum reveal: 3.1 mm,** i.e. total reveal should be at least 6.2 mm.
   Yet to obtain a total reveal of 5 mm, cup distance is increased to 5 mm and the door edges are rounded with a radius of 1 mm. The table now shows a minimum reveal of 2.4 mm, providing a total reveal of 5 mm.
2. **Door overlay A** = (side panel thickness - reveal) / 2 doors =
   (18 mm - 5 mm) / 2 = **6.5 mm**
3. The formula for calculating distance for a 9.5 mm cranked hinge produces:
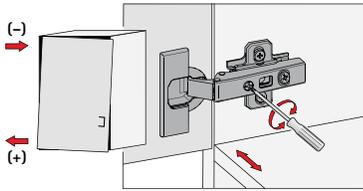   **Distance D** = cup distance C + 3.5 mm - overlay =
   5 mm + 3.5 mm - 6.5 mm = **2 mm**
   If the distance calculated is not available, the next smaller distance is selected.
   So, in this example, a distance of 1.5 mm is selected and the hinge is moved across 0.5 mm by means of a side adjustment screw.
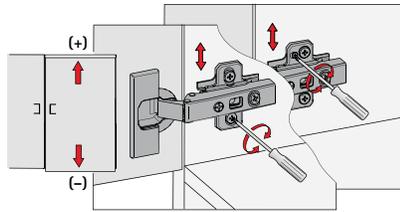
Door adjustment:

Overlay adjustment

(–)

(+)

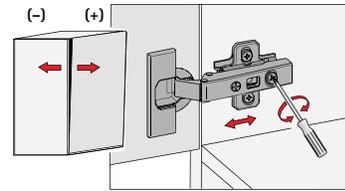Screw adjustment screw (A) in or out until the door is hanging straight.

Height adjustment

(+)

(–)

Undo fixing screws a short distance and adjust height of door. Now retighten fixing screw.

Optionally, the adjustment cam on the mounting plate can be used for aligning door height

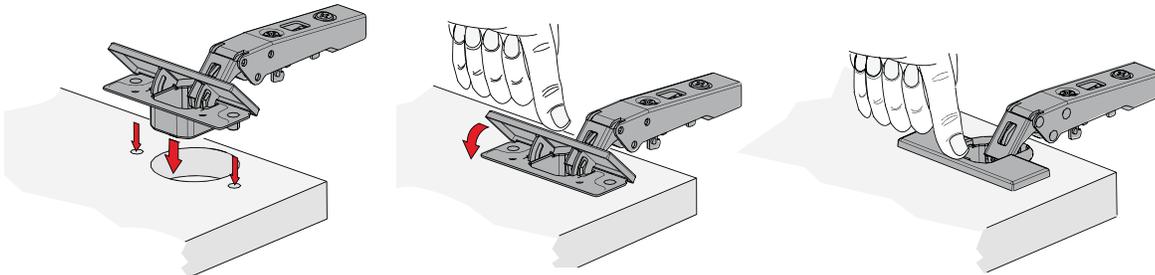**Depth adjustment by eccentric cam**

(–)   (+)

Correct the distance between door and cabinet side by turning the adjustment cam.

Turning anticlockwise: increases distance.

Turning clockwise: reduces distance

Fix toolless fast assembly:

As shown in these diagrams, installation of Intermat Fix hinges is toolless, while for safety reasons removing them requires a screwdriver.

Installation

Removal