

COURSE TITLE: INSTALLING BLUM HINGES

COURSE HOURS: 2

NOTICE

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COURSE OBJECTIVE:

- To learn the variables involved in order to install Blum concealed hinges;
- Simplify the installation process.

LESSON PLAN:

Blum hinges have two parts:

A CLIP - which fits on the side of the cabinet or on the face frame.

THE HINGE - which fits on the door.

After both are assembled, the door can be snapped in place.

Because there are so many variations of clips and hinges, the process seems complicated.

SOME VARIATIONS:

CLIP -

Panel vs Face-Frame applications

Different overlay distances

Inset vs Overlay doors

Vertically adjustable clips

HINGES -

Degree of door opening

Inset vs Overlay

Vertically adjustable hinges

Horizontally adjustable hinges

Specialties for corner cabinets, full clearance doors, etc.

Three types to be attached to the door.

FRAMELESS (PANEL) VS FACE-FRAME

Cabinets are normally constructed with plywood, and some form of frame is placed on the edge. This could be edge banding, a small strip, or more

likely a 3/4-inch-thick frame. If this frame is flush with the plywood side, it is frameless or a panel cabinet. If the frame extends beyond the thickness of the plywood, then it is called a face-frame cabinet. The frameless cabinet will have a clip that attaches to the side of the cabinet, whereas a face-frame cabinet has the clip on the face-frame. Wider face-frame cabinets tend to be more decorative because of the designs that can be made on the frame.

INSET OR OVERLAY DOORS

Inset door simply means the door fits in the opening of the door, whereas overlay doors overlay the opening. Overlay widths can be from 1/8 inch to approximately 5/8 inch. Varying the overlay width changes the look of the cabinet.

HINGE FASTENING

There are three types of hinges to fasten to a door.

1. SCREW ON: drill a 35mm hole and screw the hinge to the door;
2. PRESS IN: drill a 35mm hole and two 8mm holes and press in;
3. INSERTA: drill a 35mm hole and two 8mm holes and snap in.

Hinges and clips can be purchased for each of the above variables. Furthermore, the other variables mentioned, i.e., degree of door opening, specialty hinges, etc., can be purchased in any of the above. This provides a large host of options.

DETERMINING THE WIDTH OF AN OVERLAY DOOR:

- ONE DOOR - overlay X 2, plus the width of the door opening;
- TWO DOORS - overlay plus half the width of opening, minus 1/16 inch.

DETERMINING THE LENGTH OF AN OVERLAY DOOR:

- Overlay X 2 plus the length of the door opening.

DECIDING ON AN OVERLAY:

- Overlay distances are a matter of appearance or a need to fit the door in a certain way on the cabinet.
- OUR MACHINE IS SET TO USE A 1/2 INCH OVERLAY ON SIDES, TOP, AND BOTTOM.

MATCHING THE HINGE TO THE DOOR:

OUR MACHINE IS SET TO DRILL THE CENTER OF THE 35MM HOLE AT 3 1/2 INCHES FROM THE TOP AND BOTTOM EDGE. This sets the center of the clip at 3 inches from the top and bottom of the opening assuming a 1/2-inch overlay.

The actual machining and fitting the clip of the door is contained in the training manual for the Minipress P and is not repeated here.