



Hinge Boring Machine

Align the clamps. The clamp guards must be 1/8" higher than the work. Turn the clamp switch to "On".

Place the door against the base ruler & align with the pre-set stop. If a raised panel is higher than the rail, a shim will be needed under the rail.

Push & hold the drill/press strike button. When the drill attachment reaches the pre-set stop position, release the button, turn off the clamp switch & remove the door.

Repeat the above steps after sliding the door to the other end of the door & aligning against the base ruler & the other stop.

Doors exceeding 36" or 15 Lbs. will need one or more hinges centrally located between the two end hinges. The setting will be manually determined.

The table is designed to accommodate doors up to 51". Longer doors may need supports.

After the doors are completed, disconnect the power & air supply, turn off the dust collector and clean up.

Understanding the fixed settings:

Depth of boring:

Holes are drilled 1/2" deep. Drill stops have been installed to standardize this setting regardless of board thickness.

Distance from door edge to 35mm hole:

Holes are drilled 5mm (3/16") from the edge of the board. A scale on the front of the machine reads 22.5mm. This is calculated by determining the distance to the center hole, which is 35mm in diameter: 1/2 of 35mm equals 17.5mm. This is added to the distance to the edge of the board: 17.5 + 5 = 22.5mm.

Setting the clip on the cabinet:

The stops on the base ruler are set to bore the center of the hole 3 1/2" from the top & bottom of the door. This allows for an easy way to set the top mounting plate on the face frame. Assuming that the top & bottom door overlay is 1/2", just use one of the mounting plates as a spacer to install the top mounting plate on the face frame. Plates are exactly 2" wide. Then, the bottom plate can be installed by attaching it to the hinge & fastening it to the frame. Of course a different spacer will be required if you decide on a different overlay on the top.

AUTHORIZED SUPERVISORS:

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The Hinge Boring Machine is a power tool used to make holes to accommodate Blum hinges for casework doors. To avoid accidents the following operational safety rules must be observed by everyone working on the GWG Hinge Boring Machine. Failure to be certified or to follow the safety rules will result in loss of shop privileges.

Hinge Boring Machine Safety Rules:

1. Members are NOT permitted to operate this machine unless they are under the direction of an AUTHORIZED supervisor.
2. Only AUTHORIZED supervisors are permitted to make adjustments, perform maintenance or change or adjust drill bits.
3. Do not operate this machine with covers removed.
4. Eye protection is required.
5. Keep all body parts away from the point of operation. Remember the 3" rule.
6. Disconnect the power and air before adjusting or performing maintenance on this machine.
7. Keep work area clean.
8. Disconnect the power and air after use.

Operational Rules:

Sign in on "Operator Log" before using this machine.

Do not make ANY adjustments to this machine, as settings are fixed to accommodate:

Doors – thickness of 3/4"; plus/minus 1/8"

Clip and Clip Top, frame and panel operations.

For overlays – 5/8", 1/2", 9/32".

For openings in degrees-100, 107, 120 & 170.

Plug in the machine & connect the air supply. Air pressure must be 90 PSI.

Turn on the dust collector.

Turn on the power switch.