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**INSTRUCTIONS
FOR
HIT-66-230 TEMPLATE
FOR
BEST 34H-37H
MORTISE LOCK**

**WHEN USING POWER TOOLS
ALWAYS WEAR
EYE AND EAR PROTECTION!!**

THINK SAFETY!!

**WHEN USING POWER TOOLS
ALWAYS WEAR
EYE PROTECTION!!**

Before attempting any installation know how to safely use the power tools involved. Be sure all bits and cutters are sharp and in good condition and all power tools and extension cords are in good working order and properly grounded. **AND MOST IMPORTANTLY, BE SURE TO WEAR, EYE AND EAR PROTECTION.**

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Drill Bit Types



All hole saws are not created equal. A cheap hole saw from a home improvement center or one that has been dropped can be out of round and will not fit the drill bushings in our templates.



Shown above is a standard twist drill bit. They can be used on both wood or steel doors. Be sure to back out the bit when drilling to clear chips.



Shown above and at right is a brad point bit. They will produce a very clean hole in a wood door. Use at a low speed and back the bit out to clear chips. Do not use on a steel door.



Shown above is a tri-flute drill bit. Do not attempt to use this in a drill guide. The lack of bearing surface will cause the bit to jam.



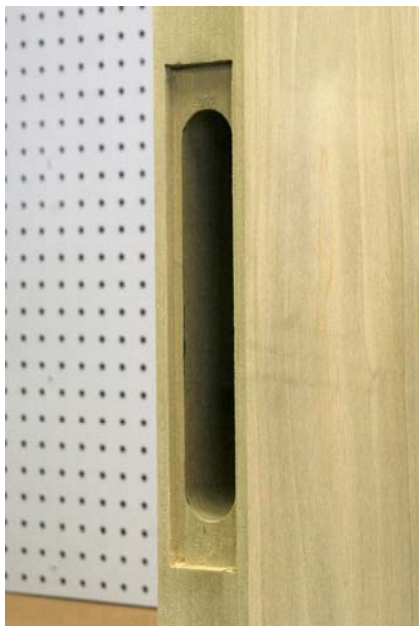
Shown above is a spade or paddle type bit. Do not attempt to use this in any drill guide. There is no bearing surface and you will jam the bit.



With both clamps opened equally, install both inside and outside templates to the HIT-66 clamp as shown. Do not tighten the 10-32 screws at this time. When all screws have been loosely installed, then it is ok to tighten.



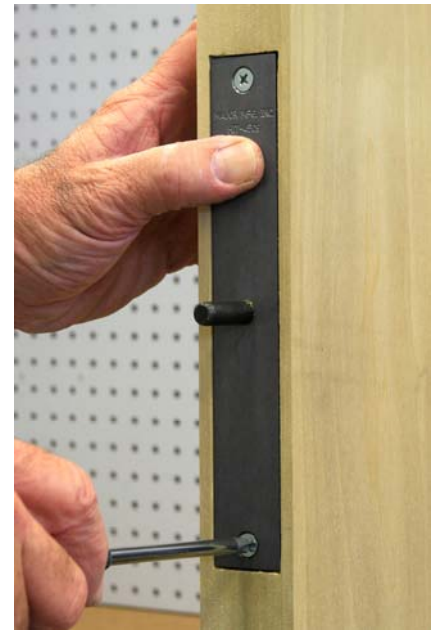
Install the alignment guide to either side of the template set. This is used to align the template with the mortise pocket.



Shown is a standard mortise pocket, we will use this as a basis for the Best Mortise Lock install.



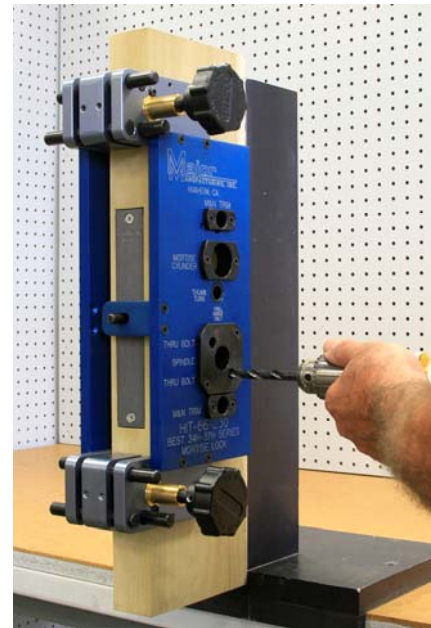
Install the mortise lock positioning plate. The plate will fit into the 1-1/4" x 8" face-plate cut out. There will be a 3/8" diameter pin centered on the plate. There is no top or bottom to worry about.



Slide the HIT-66 template with the alignment guide alignment pin and tighten to door. Alternate tightening between the top and bottom clamp. Do not attempt to tighten one clamp all the way at once.



With a 3/8" twist drill, drill the thru bolt holes on both sides of the door. These holes go to the mortise cavity. Drill both top and bottom holes on both sides of the guide, do not try to drill from one side through to the other.



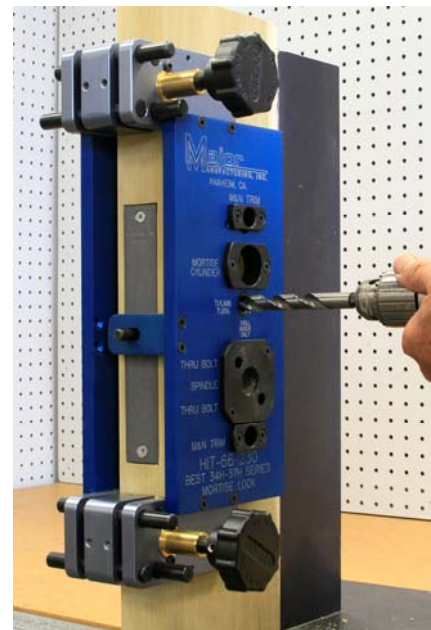


Using a 7/8" hole saw, drill the hole for the lock spindle. It is drilled to the mortise cavity. Drill from both sides of the door.



Use a 1-1/4" hole saw to drill the mortise cylinder hole on the outside of the door.

If your mortise lock installation required an inside thumb turn, use a 1/2" twist drill and drill the required hole on the inside of the door only.



When all holes have been drilled, remove the HIT-66 drill guide from the door. This is a prep for a Best mortise lock with rose trim. If installing escutcheon trim see next page.

**Completed lock prep.
Install lock per
manufacturers
directions.
That's all there is to
it!**





If installing escutcheon trim, the holes can be drilled with a twist drill, brad point bit, or hole saw. If using a brad point bit, it is for use on wood doors only.



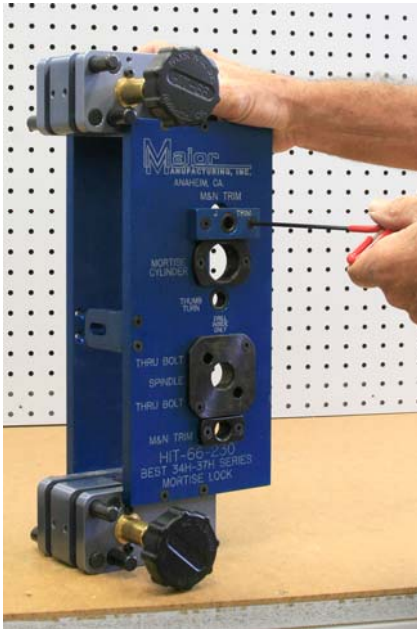
For M & N trim, use a 5/8" bit and drill holes top and bottom using the drill bushings marked M & N. Drill the escutcheon holes half way from both sides of the door. When all holes have been completed, remove the HIT-66 drill guide from the door.



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If installing J trim, see
next page.





To drill the escutcheon holes for the J trim, remove the hardened drill guides from the M&N trim at the top of the drill guide. Using the same screws, replace with the drill block marked J trim.



Using a 3/8" twist drill, drill this hole half way from both sides of the door.

DO NOT DRILL THE BOTTOM M&N TRIM HOLE.

When all holes have been completed, remove the HIT-66 drill guide from the



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