



1825 VIA BURTON  
ANAHEIM CA 92806  
714-772-5202 / FAX 714-772-2302  
EMAIL: MAIL@MAJORMFG.COM  
WEB: WWW.MAJORMFG.COM

**INSTRUCTIONS  
FOR  
HIT-66-295 TEMPLATE  
FOR  
YALE 8700/8800 SERIES  
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.**

Copyright 2016—Major Manufacturing

# 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.



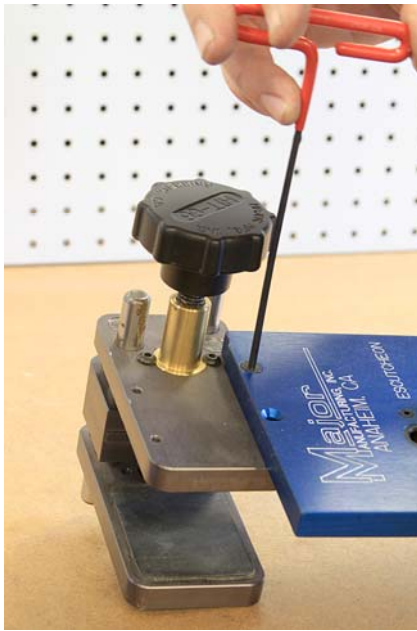
Shown above and at right is a brad point bit. They will produce a very clean hole in a wood door. Use at a low speed and back the bit out to clear chips. Do not use on a steel door.



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.

**NOTE: The HIT-66 clamps shown are not part of the HIT-66-295 template set and must be purchased as a separate item.**



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



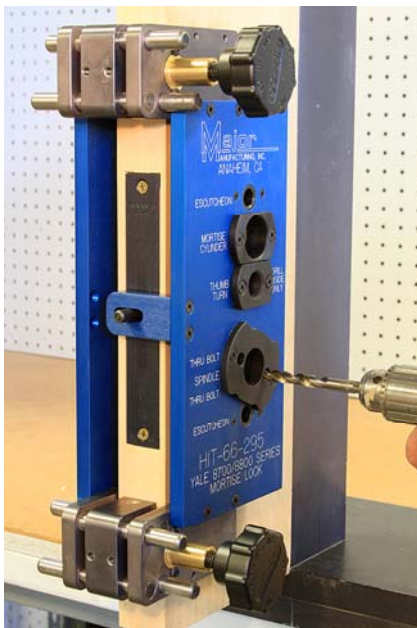
Shown is a standard mortise pocket, we will use this as a basis for the Yale mortise lock install.



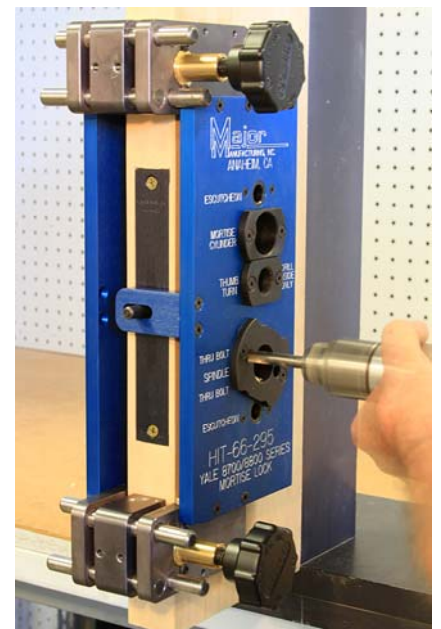
Install the mortise lock positioning plate. The plate will fit into the 1-1/4" x 8" faceplate cut out. There will be a 3/8" diameter pin centered on the plate. There is no top or bottom to worry about.



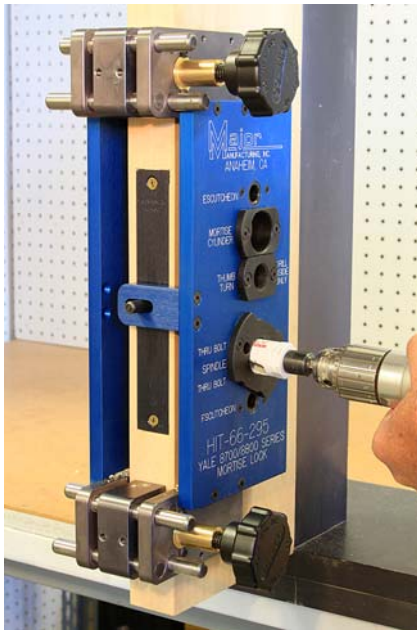
Slide the HIT-66 alignment fixture over the alignment pin and tighten to door. Alternate tightening between the top and bottom clamp. Do not attempt to tighten one clamp all the way at once.



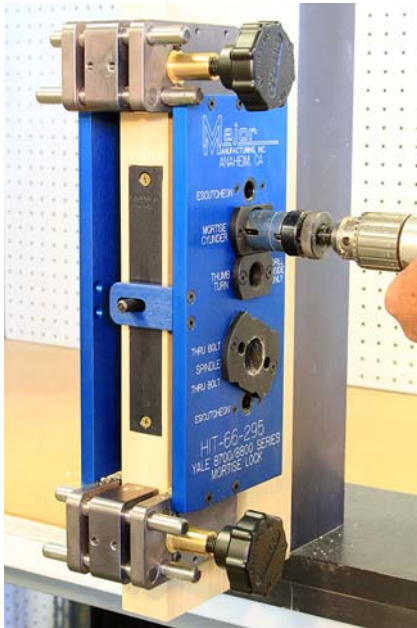
Start by drilling the 5/16" diameter thru bolt holes located around the spindle. A standard twist drill will work on both wood or steel doors. Drill to the mortise pocket from both sides of the door.



Copyright 2016  
Major Manufacturing Inc



Drill the spindle hole next with a 1-1/8" hole saw. Drill to the mortise pocket on both sides of the door. When drilling pull the hole saw out of the cut several times to clear the chips, use a low rpm.



Drill the mortise cylinder hole with a 1-1/4" hole saw. Drill to the mortise pocket only on the side of the door that the cylinder will be on. When drilling pull the hole saw out of the cut several times to clear the chips, use a low rpm.



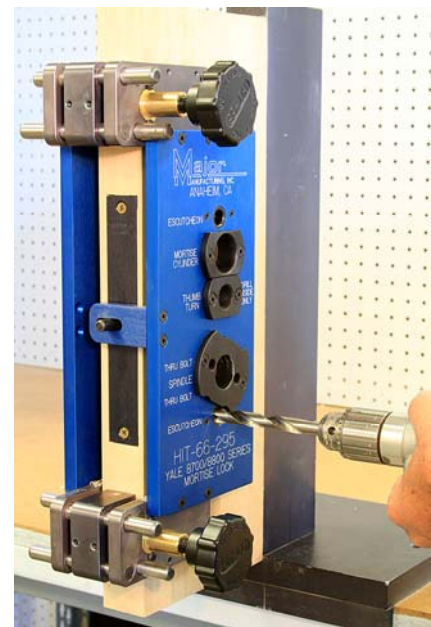
Drill the thumb turn hole with a 3/4" hole saw. Drill to the mortise pocket only on the side of the door that the thumb turn will be on. When drilling pull the hole saw out of the cut several times to clear the chips, use a low rpm.



If you are installing a rose trim, the installation is complete as seen above.  
If installing escutcheon trim, see the following steps.



If installing thru bolted trim, use a twist drill and drill the two holes marked escutcheon. Drill half way from both sides of the door.





Completed installation using thru bolted trim. If using surface mounted trim see next step



If installing on a wood door, use a 1/16" twist drill and drill the four drill bushings marked escutcheon on both sides of the door. If installing on a steel door, enlarge these holes with a #32 drill bit after removing the HIT-66 from the door.



Remove the HIT-66 clamp, template and alignment plate from door.

**Finished lock prep. That's all there is to it!**







**Completed installation**

**That's all there is to it!**

**Visit our web site at [www.majormfg.com](http://www.majormfg.com) for more information on lock templates and a complete listing of all the tools we have available. While there, sign up for our newsletter and we will email new product information directly to you.**