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**INSTRUCTIONS  
FOR  
HIT-66-272 TEMPLATE  
FOR  
SARGENT  
MORTISE LOCKS**

**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.



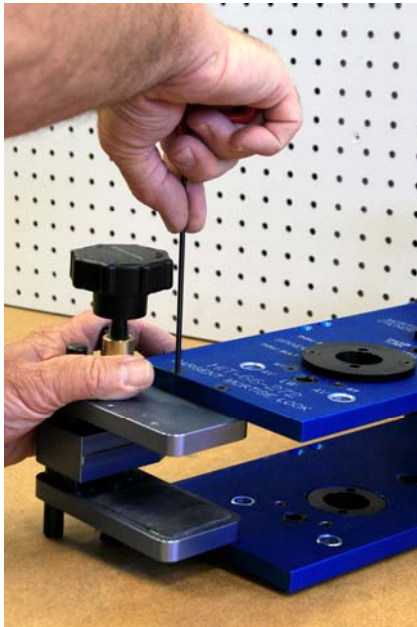
Shown above and at right is a brad point bit. They will produce a very clean hole in a wood door. Use at a low speed and back the bit out to clear chips. Do not use on a steel door.



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.



**NOTE: The HIT-66 clamps shown are not part of the HIT-66-272 template set and must be purchased as a separate item.**

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 Sargent Mortise Lock install.



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



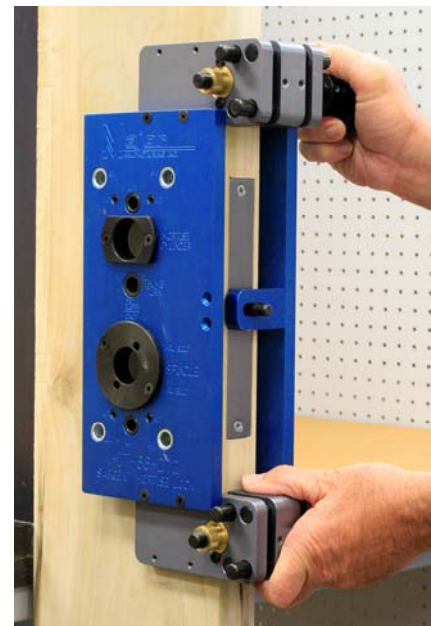
Use a center drill and drill the two holes that will mount the mortise body.

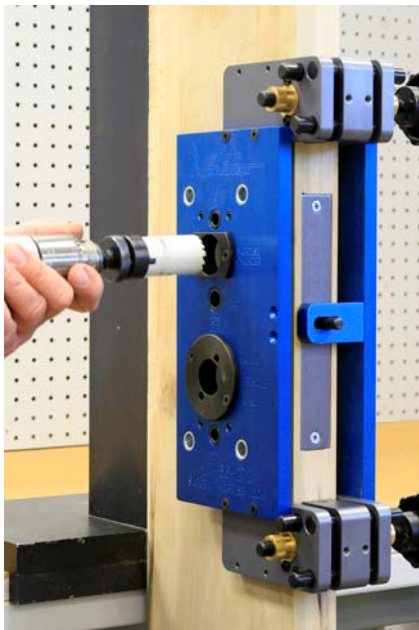
Last, install the two mortise lock screws to hold the plate during the install. This will also make the lock body easier to install when completed.



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.



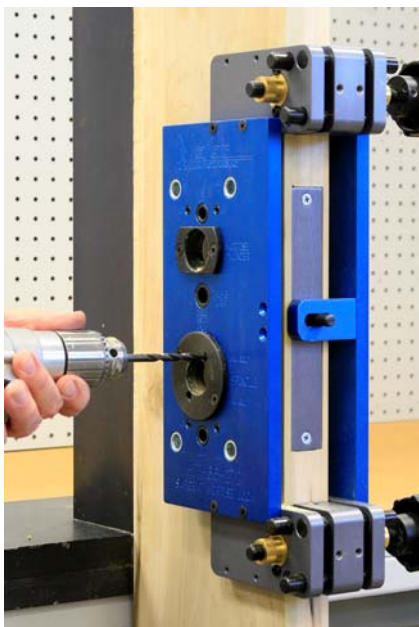
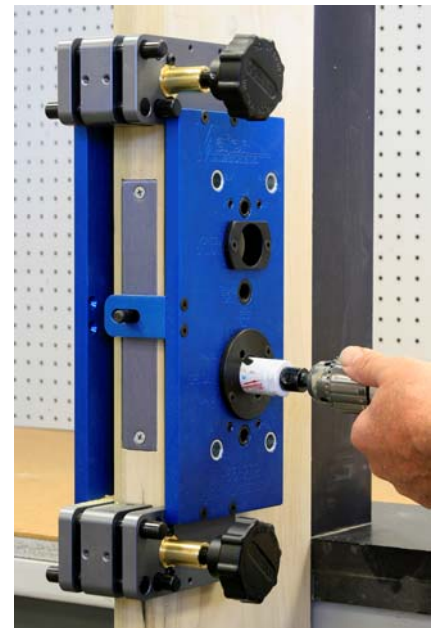


Start by drilling the mortise cylinder hole. Use a 1-1/4" hole saw and drill only on the side of door that the cylinder will be on.

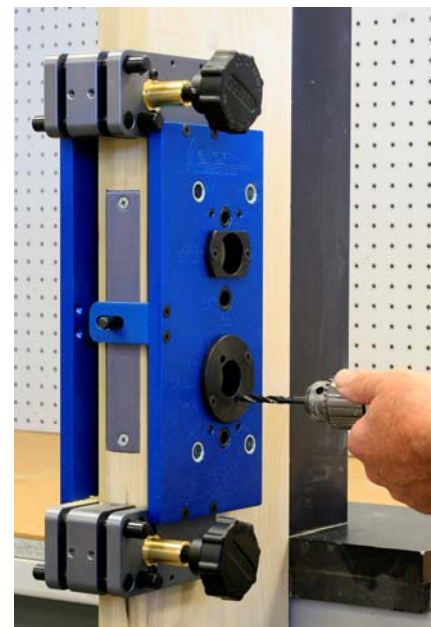
Be sure to use a slow RPM on the drill and back the drill out from time to time to help remove chips.

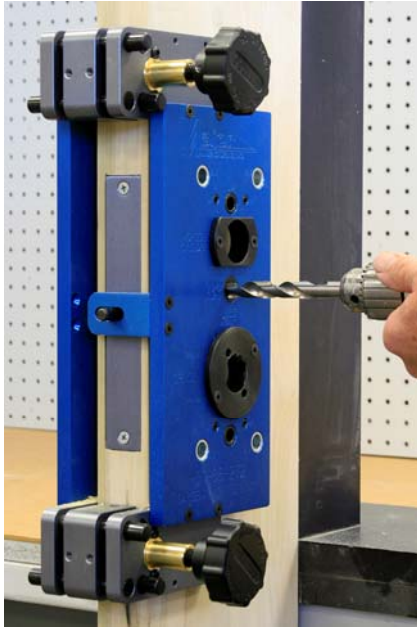


With a 1-1/8" hole saw drill the lock spindle hole. Drill both sides of the door to the mortise pocket.



Drill the thru-bolt holes with a 1/4" drill. Drill from both sides of the door to the mortise pocket.





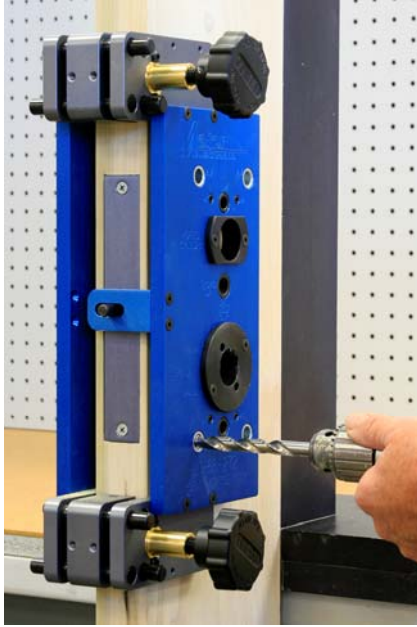
If your mortise lock requires a thumb turn inside, use a 1/2" diameter drill and drill to the mortise pocket. Drill the inside of the door only.

If you are installing a Sargent Mortise Lock with rose trim, simply remove the HIT-66 clamp fixture and install the lock per manufactures directions. If the lock requires Anti Vandal, LW Escutcheon or WT type trim, there are a few more steps.



Completed installation for rose style

## ANTI-VANDAL TRIM



To install Sargent Anti-Vandal Trim, use a 7/16" drill bit and drill the four holes marked AV on the drill guide. Drill half way from both sides of the door. Back the drill bit when drilling to clear chips from the drill bit.  
Horizontal center to center is 2.874  
Vertical center to center is 7.969



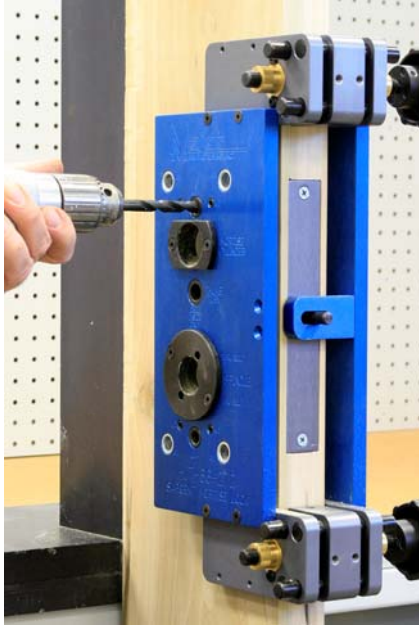
Remove HIT-66 drill fixture from door and install lock and trim per manufacturers directions.



Completed installation for Anti-Vandal trim.

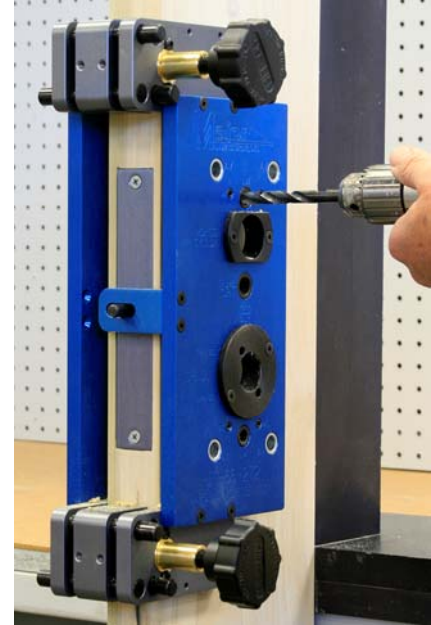


## LW ESCUTCHEON TRIM



To install Sargent LW Trim, use a 3/8" drill bit and drill the two holes marked LW on the drill guide. Drill half way from both sides of the door. Back the drill bit when drilling to clear chips from the drill bit.

Vertical center to center is 6.875



Remove HIT-66 drill fixture from door and install lock and trim per manufacturers directions.



Completed installation for LW trim.

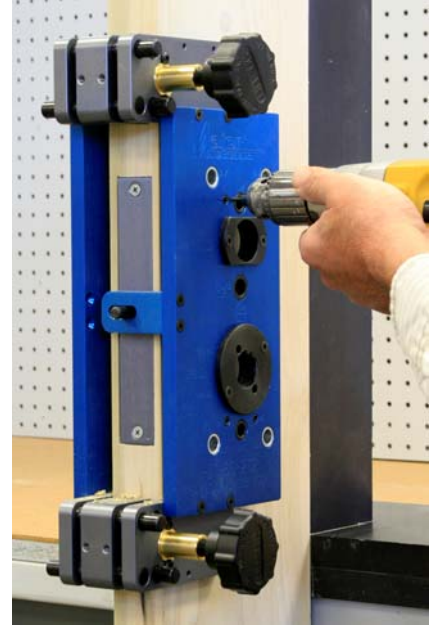
## WT WROUGHT ESCUTCHEON TRIM



To install Sargent WT Trim, use a 1/8" drill bit and drill the for holes marked WT on the drill guide. These are pilot holes for mounting screws, drill to a depth of the screw length.

Horizontal center to center is 1.530

Vertical center to center is 6.688



Remove HIT-66 drill fixture from door and install lock and trim per manufacturers directions.



Completed installation for WT trim.



Completed installation showing anti-vandal trim.

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.**