



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

**INSTRUCTIONS
FOR
HIT-66-282 TEMPLATE
FOR
SCHLAGE “L” 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 2011—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.



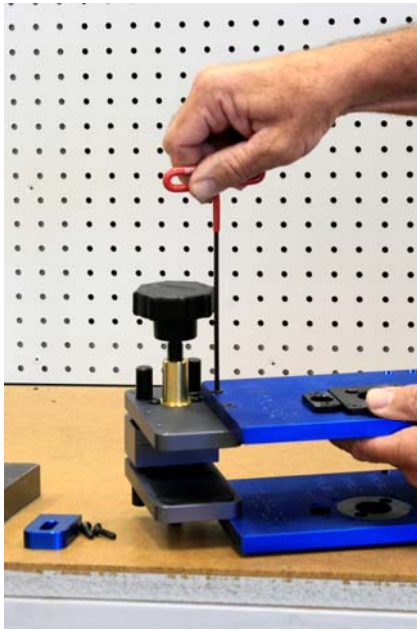
Shown above and at right is a brad point bit. They will produce a very clean hole in a wood door. Use at a low speed and back the bit out to clear chips. Do not use on a steel door.



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-66-282 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 Schlage L 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.



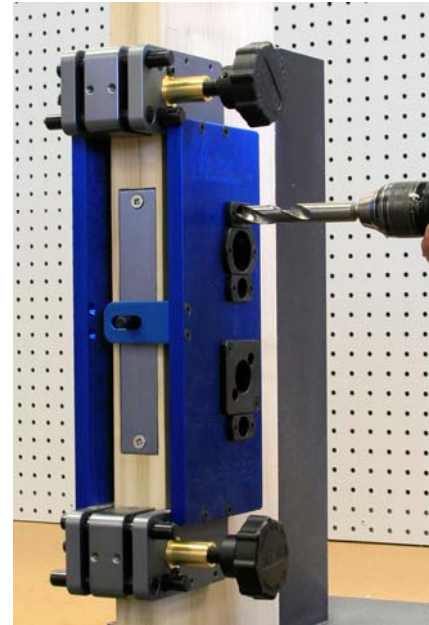
Slide the HIT-66 alignment fixture over the alignment pin and tighten to door. Alternate tightening between the top and bottom clamp. Do not attempt to tighten one clamp all the way at once.



Start by drilling all of the required 5/8" diameter holes used for the thumb turn and escutcheon trim. A brad point bit can be used on a wood door, or a hole saw may be used on both wood or steel doors.



The top and bottom 5/8" diameter holes for the escutcheon trim are being drilled in this step. Be sure to drill only half way from both sides of the template. In the picture we are using a brad point bit, a quality hole saw may also be used on both wood and metal doors.



With the 5/8" bit still in the drill, drill the hole required for the thumb turn if required. This hole is drilled only on the inside and not through to the outside of the door.

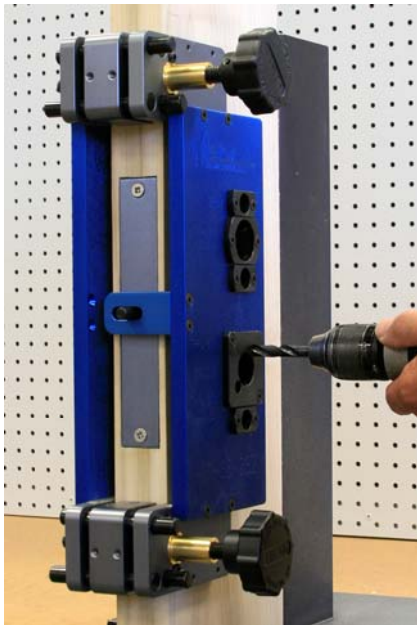


Drill the 1" hole used for the lock spindle with a hole saw.

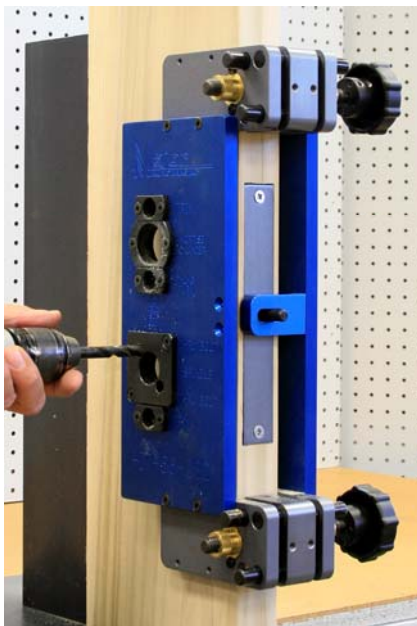
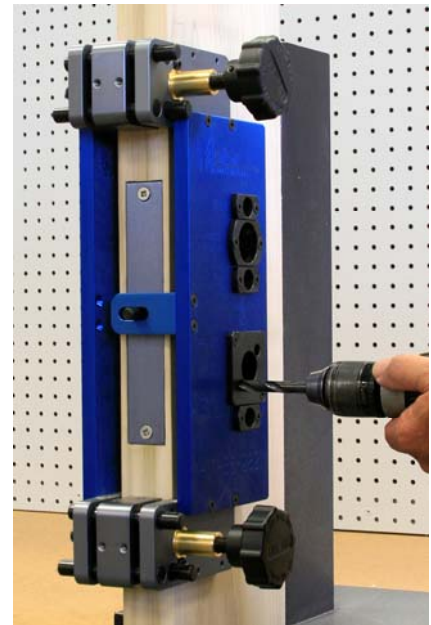
Our HIT-48-100 carbide tip hole saw shown on the right may be used on wood doors only.



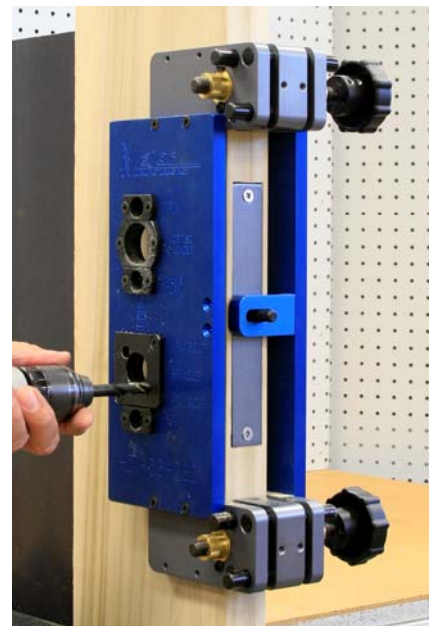
Drill to the mortise pocket from both sides of the door. Back the hole saw out once or twice when drilling to clear the chips from the cut.



With a 3/8" twist drill, drill the through bolt holes next. Drill to the mortise pocket from both sides of the door.



Opposite side of door being drilled.





Use a 1-1/4" hole saw and drill for the mortise cylinder. A standard hole saw will work on wood or steel door. Our HIT-48-114 carbide tip hole saw can also be used on wood doors only.



Mortise cylinder hole being drilled.



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



Finished lock prep.



Install lock per manufacturers directions.



Completed installation

That's all there is to it!

Visit our web site at 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.