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**INSTRUCTIONS
FOR
HIT-66-283 TEMPLATE
FOR
SCHLAGE LE 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. Tighten only after the drill guide for the deadbolt function has been installed on the front of the drill guide.

NOTE: The HIT-66 clamps shown are not part of the HIT-66-283 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.

With a 5/32" allen wrench, install the DPS drill template to the clamp. Tighten all screws only after they all have been loosely installed.



Shown is a standard mortise pocket, we will use this as a basis for the Schlage LE 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 set up 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 3/8" thru bolt holes. Drill half way from both sides of the door. There are a total of four holes to drill on both sides of the door. Two around the lock spindle and two on the upper part of the template.





Using a good quality hole saw, drill the spindle hole using the drill bushing shown in the picture. The hole saw size is 1" and is drilled to the mortise pocket on both sides of the door. Use a slow speed when drilling.



There are three 5/8" holes on each side of the template. One is for escutcheon trim and are drilled thru. One is for a T-turn and drilled **INSIDE ONLY**. The last 5/8" hole is for a wire run from inside to outside of the door. A hole saw can be used or a brad point bit can be used on a wood door only.



T-turn hole being drilled on right.



With a 1-1/4" hole saw, drill the mortise cylinder hole. This hole is drilled on the **OUTSIDE ONLY** and to the mortise pocket



Upper and lower trim holes being drilled with a 5/8" drill bit. Be sure to drill half way from both sides of the door.



Upper mounting holes being drilled with a 3/8" twist drill bit. Be sure to drill half way from both sides of the door.



If the lock being installed is a deadbolt function, two more holes will be needed. A 3/4" hole to a depth of 1-1/2" and a 40 degree hole to the 5/8" wire hole located between the two top thru bolts. On a wood door, use a 3/4" brad point bit. On a steel door see special directions on page 8.



With the brad point bit touching the door, mark 1-1/2" on the bit with a felt pen or use a piece of tape. This will be your stop mark.



Using a 5/16" diameter long drill bit, drill to the DPS hole drilled in the step above. When drilling a deep hole, pull the bit out when drilling to remove chips. NOTE: Schlage template calls for a 3/8" hole, a 5/16" hole works perfectly and is easier to drill.

See step below for steel door deadbolt function.



STEEL DOOR DIRECTIONS



If installing a deadbolt function on a steel door, use the supplied 3/4" to 5/16" hardened adapter (shown on left) Slide this into the 3/4" drill guide on the front of the door and drill with a 5/16" twist drill. After all holes are completed and the HIT-66 is removed from the door, enlarge the 5/16" hole to 3/4" with the use of a step drill. Do not attempt to drill this hole with a hole saw. The finished hole will be too large.





Install the Schlage LE Mortise lock per manufacturer's instructions.

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.