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**INSTRUCTIONS
FOR
HIT-145N
SCHLAGE AD
CYLINDRICAL TEMPLATE**

**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 the use of the HIT-145N, a standard 2-1/8" door prep can easily and accurately be retrofitted to accept the Schlage AD lock in just a few minutes.



The template set consists of both inside and outside drill guides. All required holes are lined with hardened bushings.



On the inside of the template set are alignment washers. They will drop into the existing cross bore and align the guide to the door.



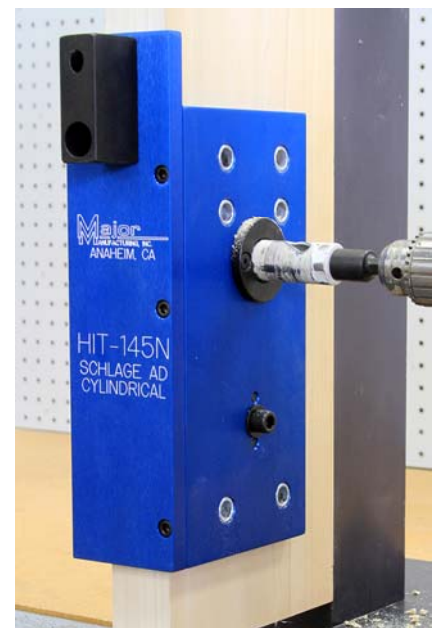
Install both templates to the door with the alignment washers in the cross bore. Next fasten in place with the supplied socket cap screw.. Snug the two templates together with the allen wrench.



There are six 7/16" drill bushings on both sides of the drill guide. Drill through the door going half way from both sides of the template. Pull the drill out several times when drilling to clear chips from the drill bit.



If you are adding a door position switch, drill a 3/4" hole through the door using the drill guide in the center of the template. Use a hole saw or twist drill on a wood or steel door. A brad point bit can be used on a wood door only.





The hole into the door edge for the DPS needs to be 3/4" diameter and 1-1/2" deep. Use a twist or brad point drill in a wood door. For best results in a steel door, use the supplied 5/16" drill adapter (as shown on right) a 5/16" hole and enlarge to 3/4" with a step drill. **DO NOT USE A HOLE SAW FOR DRILLING THIS HOLE.** You will end up with a oversize hole and a poor friction fit for the switch.



You will need an extra long drill bit to drill the angle hole from the door edge to the 3/4" cross bore hole.



When drilling this angled hole be sure to pull the drill bit completely out of the guide to remove chip build up. Drill 1/2" at a time then clear out chips. This will produce a clean hole and longer drill bit life.



Completed lock install.

That's all there is to it!