

Lenox 1779810

Lenox Tools 1779810 Pilot Drill Bit Instruction Manual

For use with Hole Saw Arbors

1. PRODUCT OVERVIEW

The Lenox Tools 1779810 Pilot Drill Bit is designed for precision drilling when used with compatible hole saw arbors. Constructed from hardened carbon steel, this bit offers durability and strength for various applications. Its split-point design facilitates faster penetration and reduces bit walking, ensuring accurate starting points for your hole saw operations.

This pilot drill bit is compatible with Lenox 2L, 5L, and 6L SNAP-BACK arbors, and also fits 2L, 3L, 5L, 6L, and 7L solid-hex arbors.



Image 1: The Lenox 1779810 Pilot Drill Bit, showcasing its hardened carbon steel construction and hex shank.

2. SAFETY INFORMATION

Always prioritize safety when operating power tools. Failure to follow these safety guidelines may result in injury or damage to the tool.

- **Wear appropriate personal protective equipment (PPE):** This includes safety glasses, gloves, and hearing protection.
- **Ensure the workpiece is secure:** Use clamps or a vise to prevent movement during drilling.
- **Use the correct speed:** Match the drill speed to the material being cut. Slower speeds are generally recommended for harder materials and larger hole saws.
- **Check for obstructions:** Before drilling, ensure there are no electrical wires, pipes, or other obstructions behind the drilling surface.
- **Inspect the drill bit and arbor:** Before each use, check for any signs of damage, wear, or dullness. Replace damaged components immediately.
- **Keep hands clear:** Never touch the rotating drill bit or hole saw.

- **Disconnect power:** Always disconnect the power tool from its power source before changing accessories or performing maintenance.

3. COMPONENTS AND FEATURES

The Lenox 1779810 Pilot Drill Bit is engineered with specific features to enhance performance and compatibility:

- **Hardened Carbon Steel Construction:** Provides increased durability and strength for extended tool life.
- **Split-Point Design:** Allows for immediate contact and reduces bit walking, leading to more accurate hole starting.
- **1/4-inch Chuck Size:** Ensures compatibility with a wide range of standard drill chucks.
- **Arbor Compatibility:** Designed to work seamlessly with Lenox 2L, 5L, and 6L SNAP-BACK arbors, and 2L, 3L, 5L, 6L, and 7L solid-hex arbors.

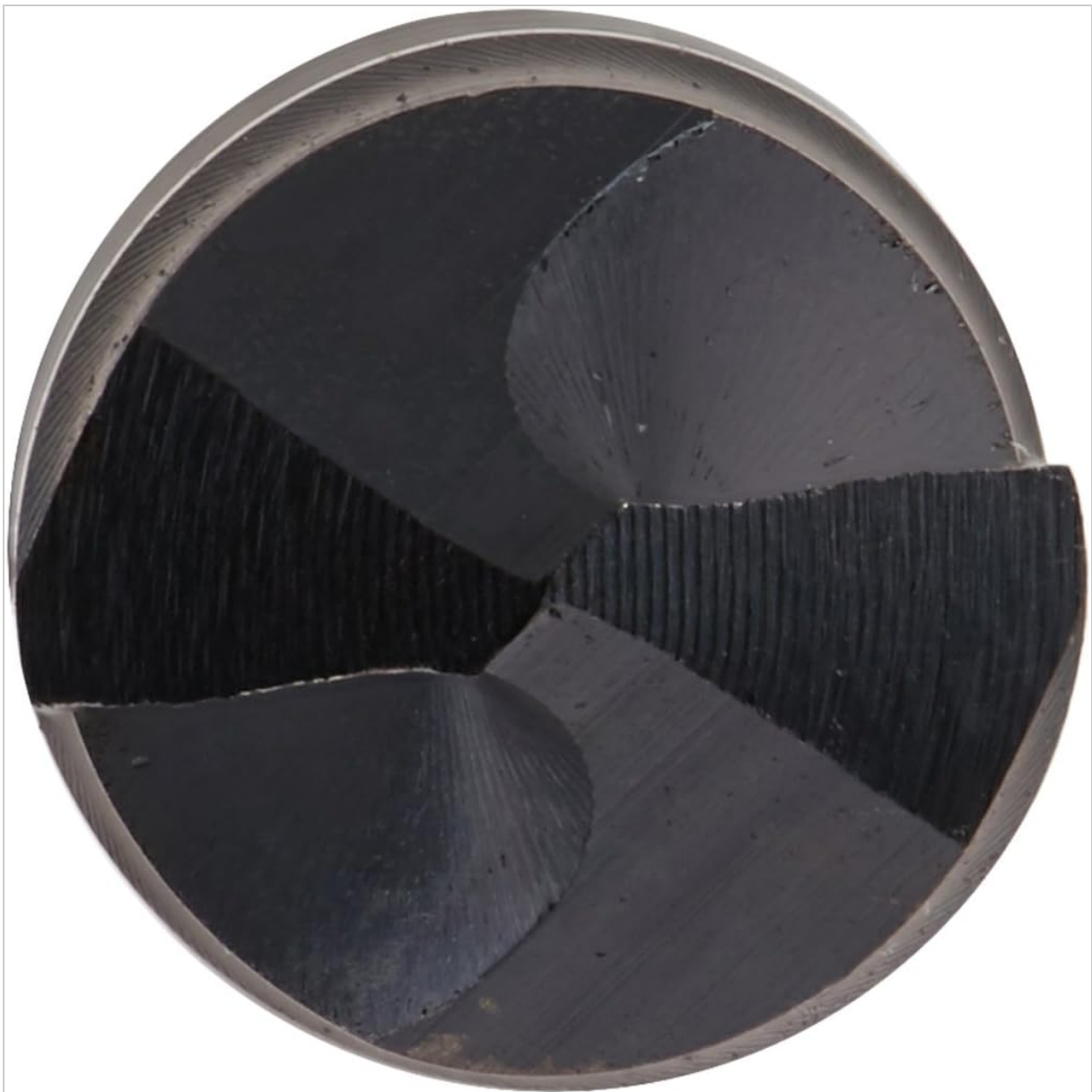


Image 2: A close-up view of the pilot drill bit's split-point tip, designed for precise starting.

4. SETUP AND INSTALLATION

Proper installation of the pilot drill bit into a compatible hole saw arbor is crucial for safe and effective operation.

1. **Select the correct arbor:** Ensure you are using a Lenox 2L, 3L, 5L, 6L, or 7L solid-hex arbor, or a 2L, 5L, or 6L SNAP-BACK arbor.
2. **Insert the pilot bit:** Slide the hex shank of the pilot drill bit into the designated opening in the center of the hole saw arbor.
3. **Secure the bit:** Depending on your arbor type, tighten the set screw(s) or engage the SNAP-BACK mechanism to firmly hold the pilot bit in place. Ensure the bit is fully seated and does not wobble.
4. **Attach the hole saw:** Thread or attach the appropriate hole saw onto the arbor, ensuring it is securely fastened.
5. **Install into drill chuck:** Insert the arbor's shank into your drill chuck and tighten it securely. Verify that the entire assembly is centered and stable before operation.

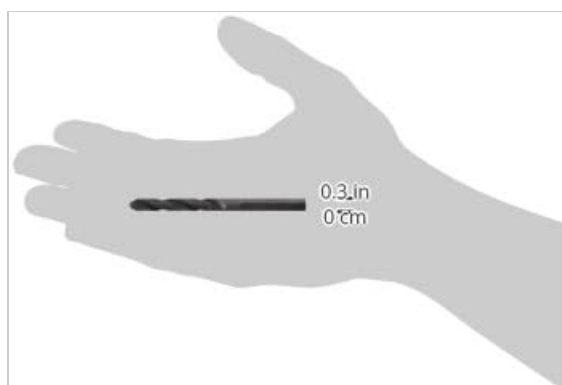


Image 3: The pilot drill bit held in a hand, illustrating its compact size and ease of handling during installation.

5. OPERATING INSTRUCTIONS

Follow these steps for effective and safe operation of your Lenox Pilot Drill Bit with a hole saw:

1. **Prepare the workpiece:** Secure the material to be drilled to prevent movement. Mark the center point for your hole.
2. **Position the pilot bit:** Align the tip of the pilot drill bit with the marked center point on your workpiece.
3. **Start drilling:** Begin drilling at a slow speed, applying light, steady pressure. The pilot bit will create a guide hole, preventing the hole saw from wandering.
4. **Increase speed (if necessary):** Once the pilot bit has fully penetrated the material and the hole saw teeth begin to engage, you can gradually increase the drill speed to the appropriate setting for the material.
5. **Maintain steady pressure:** Continue drilling with consistent pressure until the hole saw cuts through the material. Avoid excessive force, which can cause the bit to bind or break.
6. **Clear debris:** Periodically withdraw the drill bit and hole saw to clear chips and debris, especially when drilling through thicker materials. This helps prevent overheating and improves cutting efficiency.
7. **Finish the cut:** Once the hole is complete, withdraw the drill bit and hole saw from the workpiece.

6. MAINTENANCE

Regular maintenance will prolong the life and performance of your pilot drill bit.

- **Cleaning:** After each use, clean the pilot bit to remove any accumulated dust, chips, or residue. A stiff brush or compressed air can be used.
- **Inspection:** Regularly inspect the bit for signs of wear, dullness, or damage to the tip or shank. A dull bit will require more force and can lead to breakage or inaccurate holes.
- **Storage:** Store the pilot drill bit in a dry environment to prevent rust. Keep it in its original packaging or a tool case to protect the tip from damage.
- **Replacement:** Replace the pilot bit if it becomes dull, bent, or damaged. Continuing to use a compromised bit can lead to poor performance and potential safety hazards.

7. TROUBLESHOOTING

If you encounter issues during operation, refer to the following troubleshooting tips:

- **Bit walking or inaccurate start:**
 - Ensure the pilot bit is securely fastened in the arbor.
 - Start drilling at a slower speed with light pressure.
 - Verify the workpiece is firmly secured.
- **Slow cutting or excessive heat:**
 - The pilot bit may be dull; consider replacement.
 - Ensure you are using the correct drill speed for the material.
 - Clear chips and debris frequently.
 - Apply appropriate cutting fluid for metal applications.
- **Bit breakage:**
 - Avoid excessive side pressure or bending force during drilling.
 - Ensure the bit is not dull or damaged before use.
 - Do not force the bit; let the tool do the work.
 - Check for proper alignment of the drill and workpiece.

8. SPECIFICATIONS

Model Number	1779810
Brand	Lenox
Material	Hardened Carbon Steel (Blend)
Shank Type	Hex
Chuck Size	1/4-inch
Point Style	Split Point
Cutting Angle	135 Degrees
Surface Recommendation	Metal, Wood
Item Weight	18 Grams
Item Dimensions (LxWxH)	5.81 x 1.88 x 0.35 inches

Compatible Arbors	Lenox 2L, 5L, 6L SNAP-BACK; 2L, 3L, 5L, 6L, 7L Solid-Hex
UPC	885363004823



Image 4: The Lenox 1779810 Pilot Drill Bit in its retail packaging, indicating its 1/4-inch size.

9. WARRANTY AND SUPPORT

For information regarding warranty coverage, product support, or to purchase replacement parts, please contact Lenox Tools directly or visit their official website.

Lenox Tools Official Website: www.lenoxtools.com