

## Lenox 1815140

# LENOX Tools SPEED SLOT Bi-Metal Hole Saw Kit

Model: 1815140



## INTRODUCTION

This manual provides essential information for the safe and effective use of your LENOX Tools SPEED SLOT Bi-Metal Hole Saw Kit. This 7-piece compact construction kit is designed for cutting various materials, including metal and wood, with enhanced speed and durability. Please read this manual thoroughly before operation to ensure proper usage and to maximize the lifespan of your tools.

## KIT CONTENTS

The LENOX Tools SPEED SLOT Bi-Metal Hole Saw Kit (Model 1815140) includes the following components:

- Assorted Bi-Metal Hole Saws (7 pieces)
- Arbors for mounting hole saws
- Pilot Drill Bits
- Durable Storage Case



Figure 1: LENOX Tools SPEED SLOT Bi-Metal Hole Saw Kit, 7-Piece Compact Construction Kit.

## SETUP

1. **Select the Correct Hole Saw:** Choose the appropriate diameter hole saw for your application.
2. **Attach Arbor and Pilot Bit:** Securely screw the selected hole saw onto the arbor. Ensure the pilot drill bit is firmly seated in the arbor. For optimal performance and to prevent stripping, ensure the two pins on the arbor engage with the corresponding holes in the hole saw before tightening the collar. This transfers the load to the pins, not the threads.
3. **Insert into Drill:** Insert the arbor's shank into the chuck of your power drill and tighten securely.



## 2X More Durable vs. Prior LENOX Generation

Figure 2: Optimized tooth design for efficient metal penetration.

### OPERATING INSTRUCTIONS

1. **Safety First:** Always wear appropriate personal protective equipment (PPE), including safety glasses, gloves, and hearing protection, when operating power tools.
2. **Prepare Workpiece:** Secure the material you are cutting to prevent movement during operation.
3. **Start Drilling:** Position the pilot bit on the desired center point. Begin drilling at a slow speed to allow the pilot bit to penetrate and stabilize the hole saw.
4. **Increase Speed:** Once the hole saw teeth engage the material, gradually increase the drill speed. Apply steady, even pressure. Avoid excessive force, which can lead to overheating and premature wear.
5. **Clear Debris:** For deeper cuts or softer materials, periodically withdraw the hole saw to clear chips and debris from the cutting area.
6. **Plug Removal (SPEED SLOT Design):** The unique Staircase SPEED SLOTS allow for easy plug removal. Once the cut is complete, use a screwdriver or similar tool to pry out the cut material through the wide slots.





## Thicker Wall for Added Strength & Durability

Figure 3: Utilizing the SPEED SLOT design for efficient plug removal.

### MAINTENANCE

- **Cleaning:** After each use, clean the hole saws and arbors to remove any accumulated debris, dust, or metal shavings. A stiff brush and compressed air can be effective.
- **Lubrication:** For cutting metal, use appropriate cutting fluid or lubricant to reduce friction and heat, extending the life of the hole saw.
- **Inspection:** Regularly inspect the teeth of the hole saws for wear, damage, or missing teeth. Replace dull or damaged hole saws to maintain cutting efficiency and safety.
- **Storage:** Store the kit in its original durable case in a dry environment to prevent rust and damage.



## *SPEED SLOT* Design for Easy Plug Removal

Figure 4: T3 Technology ensures longer tool life, even with regular use.

### TROUBLESHOOTING

Problem	Possible Cause	Solution
Slow Cutting / Excessive Heat	Dull teeth, insufficient pressure, incorrect speed, lack of lubricant (for metal)	Replace hole saw, apply steady pressure, adjust drill speed, use cutting fluid.
Hole Saw Wobbles	Improperly secured arbor/pilot bit, damaged arbor, loose drill chuck	Ensure arbor pins are engaged, tighten all connections, inspect and replace damaged components.
Plug Stuck in Hole Saw	Material buildup, not utilizing SPEED SLOTS	Use a screwdriver through the SPEED SLOTS to pry out the plug. Clear debris regularly.

### SPECIFICATIONS

- **Model:** 1815140
- **Kit Type:** 7-Piece Compact Construction Kit
- **Material:** Bi-Metal
- **Compatible Materials:** Metal, Wood, Two-by Lumber
- **Technology:** SPEED SLOT, T3 Technology
- **Color:** White/Blue
- **Product Dimensions:** 9"L x 5"W
- **Item Weight:** 0.01 Ounces (Note: This weight seems unusually low and might refer to a single component or be an error in source data. Refer to packaging for accurate weight.)
- **UPC:** 885363008647

## WARRANTY AND SUPPORT

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For warranty information, product registration, or technical support, please visit the official Lenox website or contact their customer service department. Keep your purchase receipt as proof of purchase.

**Lenox Official Website:** [www.lenoxtools.com](http://www.lenoxtools.com)



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