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› Mollom 16mm (5/8") HSS M42 8% Cobalt Bi-Metal Hole Saw with Arbor - Instruction Manual

Mollom BIHS01016

Mollom 16mm (5/8") HSS M42 8% Cobalt Bi-Metal Hole Saw with Arbor

Instruction Manual

1. INTRODUCTION

Thank you for choosing the Mollom 16mm (5/8") HSS M42 8% Cobalt Bi-Metal Hole Saw with Arbor. This tool is designed for efficient and smooth cutting through various materials. Please read this manual carefully before use to ensure safe and optimal performance.



Image: Mollom 16mm (5/8") HSS M42 8% Cobalt Bi-Metal Hole Saw with Arbor.

2. SAFETY INFORMATION

Always prioritize safety when operating power tools. Failure to follow safety guidelines can result in injury.

- Always wear appropriate personal protective equipment (PPE) including safety goggles, a dust mask, earplugs, and gloves.
- Ensure the workpiece is securely clamped before drilling to prevent movement.
- Do not force the hole saw through material; let the tool do the work.
- Keep hands and loose clothing away from rotating parts.
- Disconnect the power tool from the power source before making any adjustments or changing accessories.
- Use the correct speed for the material being cut.

Please wear the following when operating this equipment



Goggles



Mask



Earplugs



Gloves

Image: Essential safety gear including goggles, mask, earplugs, and gloves.

3. PRODUCT OVERVIEW AND COMPONENTS

The Mollom Bi-Metal Hole Saw kit includes the following components:

- 1x Bi-Metal Hole Saw (16mm | 5/8")
- 2x Pilot Drill Bits
- 1x Arbor
- 1x Hex Wrench (for securing the pilot drill bit)

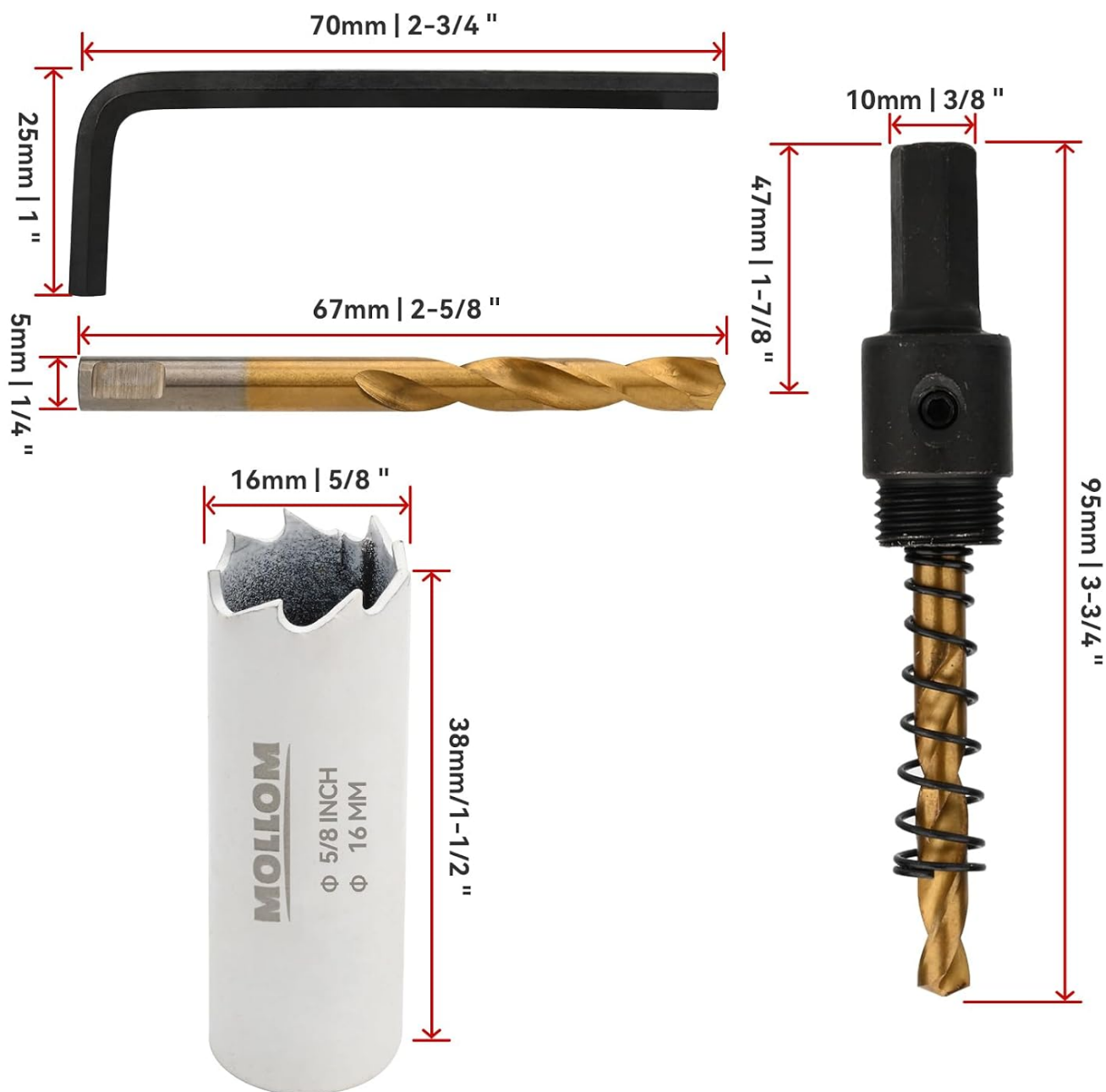


Image: Detailed dimensions of the hole saw, pilot drill bit, arbor, and hex wrench.



Image: Close-up of the arbor with pilot drill bit and spring mechanism.

4. SETUP AND ASSEMBLY

Follow these steps to assemble your Mollom Bi-Metal Hole Saw:

1. Insert the pilot drill bit into the arbor. Ensure it is fully seated.
2. Secure the pilot drill bit using the provided hex wrench to tighten the set screw on the side of the arbor.
3. Thread the hole saw onto the arbor until it is finger-tight.
4. Insert the assembled hole saw and arbor into your drill chuck and tighten securely.



Image: Step-by-step visual guide for inserting the pilot drill and attaching the hole saw to the arbor.

How to Assemble?

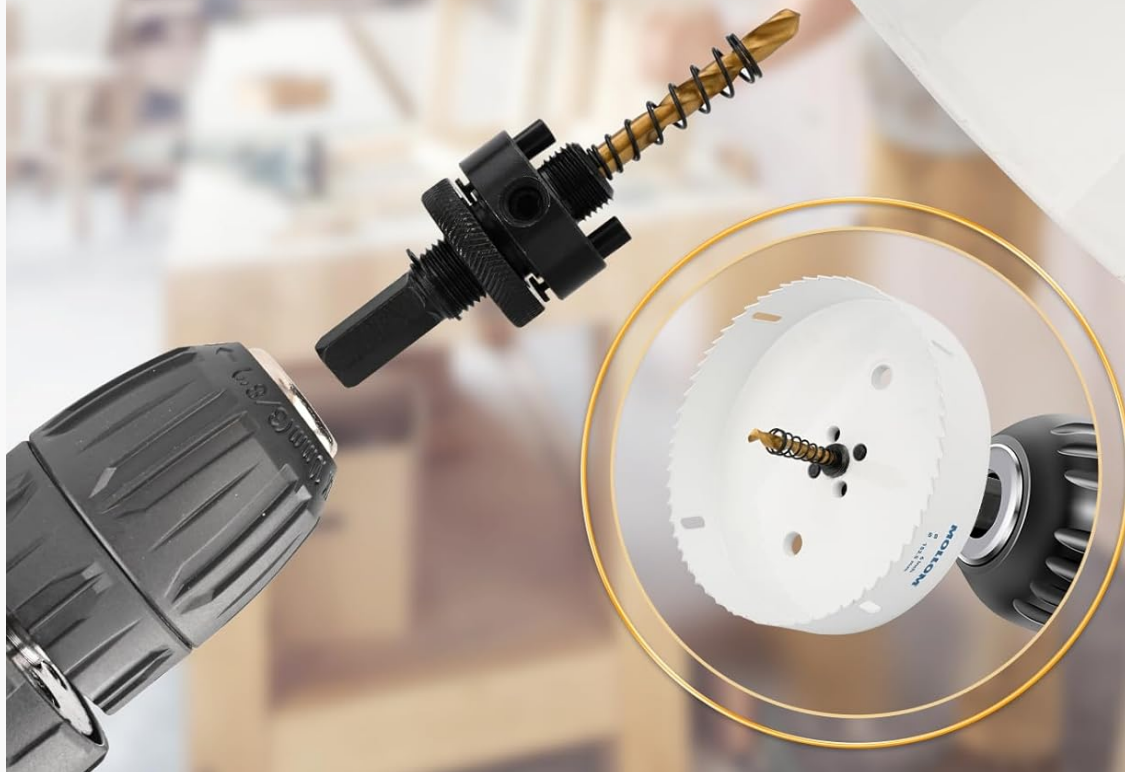


Image: Assembled hole saw attached to a power drill, ready for use.

Your browser does not support the video tag.

Video: Official Mollom video demonstrating the assembly and use of the Bi-Metal Hole Saw.

5. OPERATING INSTRUCTIONS

The Mollom Bi-Metal Hole Saw is suitable for cutting various materials:

- **Compatible Materials:** PVC, drywall, wood, plastic, gypsum board, rubber, mild steel, cast iron, brass, aluminum, and more.
- **Applications:** Suitable for stamped cans, recessed lights, air ducts, speakers, ceiling lights, and general home DIY projects.

Cutting Procedure:

1. Mark the center of the desired hole on your workpiece.
2. Position the pilot drill bit on the marked center.

3. Start the drill at a low speed, applying gentle pressure. The pilot drill will guide the hole saw.
4. Once the hole saw teeth engage the material, increase the speed gradually, maintaining steady pressure.
5. For metal cutting, use a cutting lubricant to extend the life of the saw and improve cutting efficiency.
6. After completing the cut, the spring on the pilot drill will automatically push the cut disc out.

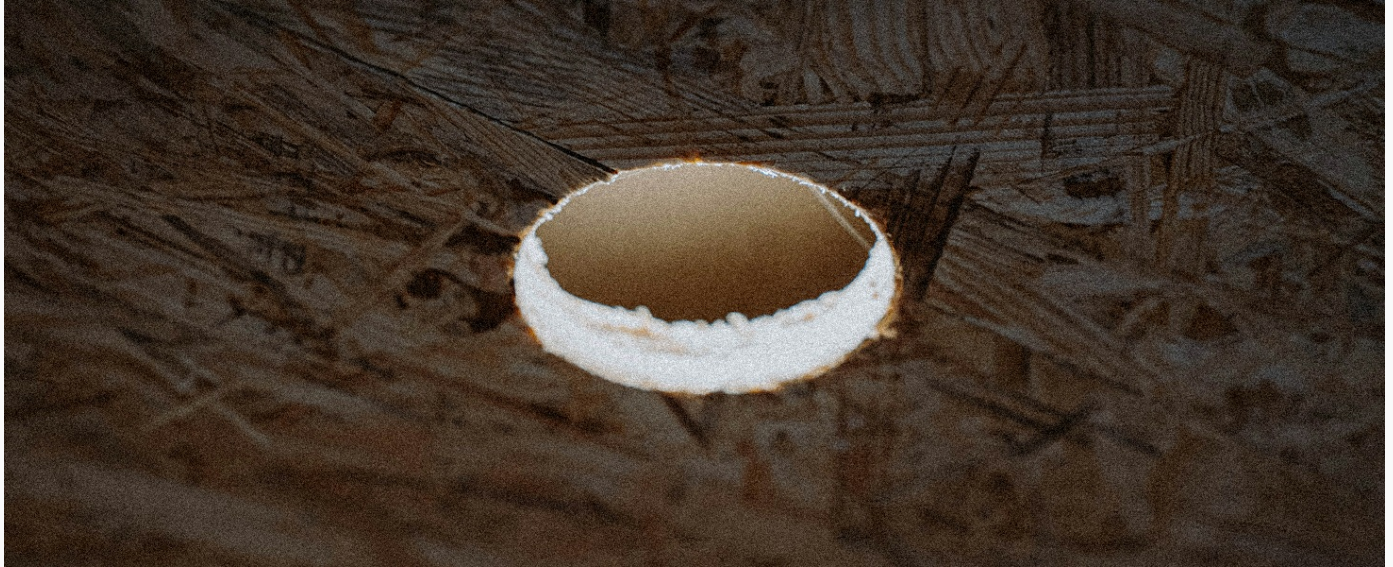


Image: Hole saw in action, cutting a clean hole in a wooden surface.



Image: Hole saw cutting a hole in a PVC pipe.

6. MAINTENANCE

Proper maintenance will extend the life of your hole saw:

- After each use, clean the hole saw and arbor to remove any debris, dust, or metal shavings.
- Inspect the teeth for any signs of wear or damage. Replace the hole saw if teeth are excessively dull or broken.
- Check the pilot drill bit for sharpness and straightness. Replace if bent or dull.
- Store the hole saw in a dry place to prevent rust.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Hole saw not cutting efficiently or getting stuck.	Dull teeth, incorrect speed, insufficient pressure, or cutting too fast.	Ensure teeth are sharp. Adjust drill speed according to material. Apply steady, moderate pressure. Do not rush the cut.
Hole is not perfectly round or off-center.	Pilot drill bit loose, bent, or workpiece not secured.	Ensure pilot drill bit is tightly secured in the arbor. Replace bent pilot drill. Secure workpiece firmly.
Excessive vibration or noise during cutting.	Incorrect speed, dull saw, or improper technique.	Adjust drill speed. Ensure hole saw teeth are sharp. Maintain steady pressure and alignment.
Material getting stuck inside the hole saw.	Spring mechanism not functioning or material is too thick.	Check if the spring is clear of debris and moves freely. For very thick materials, you may need to manually remove the slug.

8. SPECIFICATIONS

Feature	Detail
Model	BIHS01016
Cutting Diameter	16mm (5/8")
Shank Diameter	10mm (3/8")
Hole Saw Depth	38mm (1-1/2")
Material	HSS M42 with 8% Cobalt
Tooth Hardness	65HRC
Saw Tooth Thickness	1.0mm
Pilot Drill Bit	Golden and titanium plated
Product Dimensions (L x W)	5.9"L x 1.5"W
Item Weight	100 g

Tooth Distribution

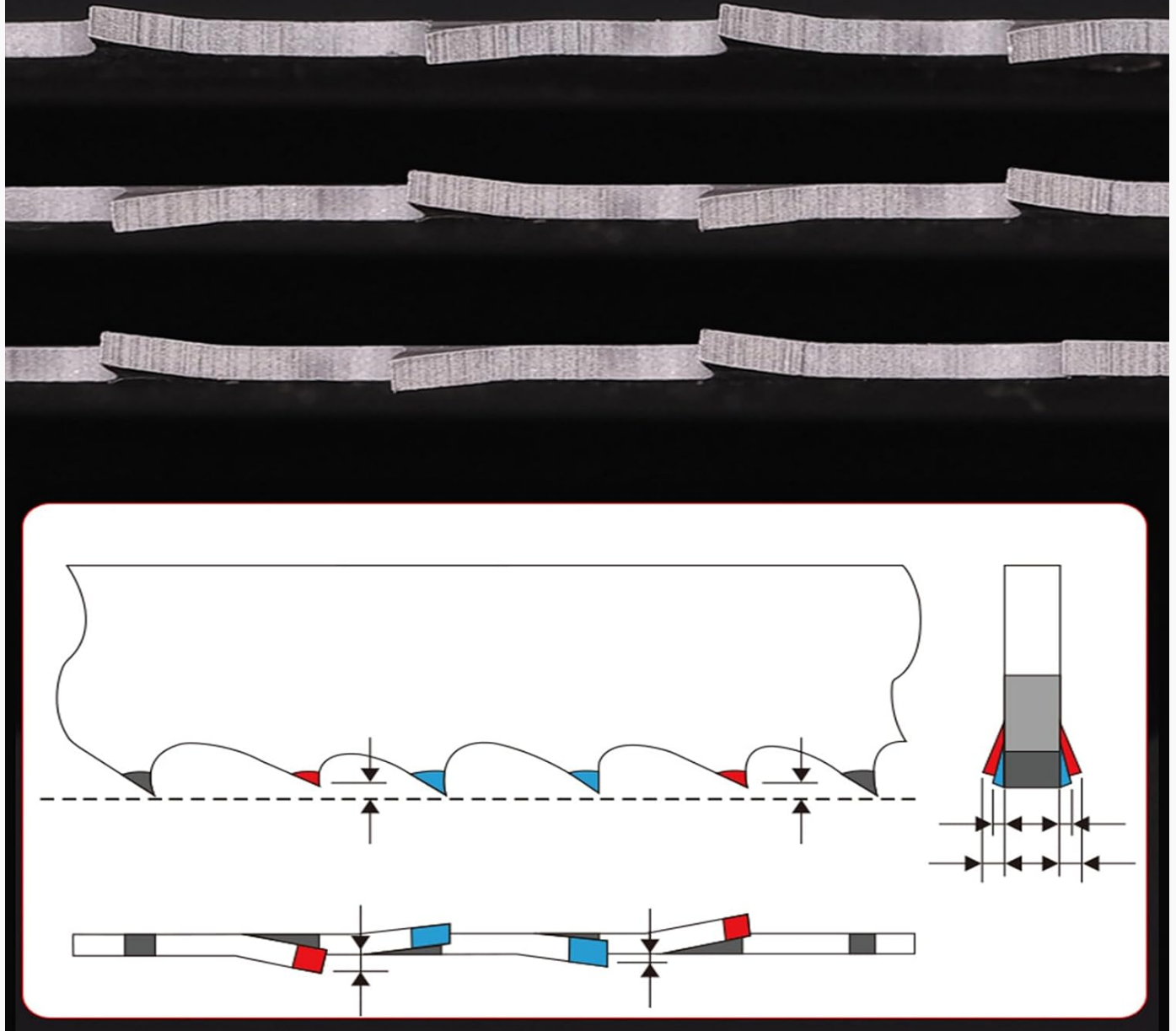


Image: Illustration of the variable tooth pitch design for reduced vibration and smoother cutting.

9. WARRANTY AND SUPPORT

Mollom products are designed for durability and performance. For specific warranty information or technical support, please refer to the product packaging or contact Mollom customer service directly through the retailer where the product was purchased.

For additional information, you may visit the [Mollom Store on Amazon](#).

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question