



BIMETAL HOLE SAW SET (3, 7 AND 14-PIECE)

Model	68111 68112
	68113

INSTRUCTIONS AND PRECAUTIONS



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**SAVE THESE
INSTRUCTIONS. READ
ALL PRECAUTIONS
AND INSTRUCTIONS.**

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**For technical questions or replacement parts, please call
1-800-444-3353.**

SPECIFICATIONS

68111 Hole Saw 3-Piece Set	3", 4", 4-1/4" Hole Saws
68112 Hole Saw 7-Piece Set	7/8", 1", 1-1/8", 1-1/4", 1-1/2" Hole Saws Small / Large Mandrel Pilot Drill
68113 Hole Saw 14-Piece Set	3/4", 7/8", 1-1/8", 1-3/8", 1-1/2", 1-3/4", 2", 2-1/8", 2-1/4", 2-1/2" Hole Saws Small / Large Mandrel Pilot Drill

UNPACKING

When unpacking, make sure that the item is intact and undamaged. If any parts are missing or broken, please call Harbor Freight Tools at 1-800-444-3353 as soon as possible.

IMPORTANT SAFETY INFORMATION

To prevent serious injury and property damage:

1. Wear ANSI-approved safety goggles and heavy-duty work gloves during use.
2. Kits contain sharp blades. Keep away from children.
3. Use correct size arbor for selected Hole Saw.
4. Verify drill's chuck is in good condition and fits securely; loose fittings can lead to property damage and personal injury.
5. Do not use excessive pressure when cutting a hole.
6. Use as intended only; do not modify tools.
7. Inspect before every use; do not use if parts are loose or damaged.
8. Use both hands when drilling and keep blades at 90° to stock being cut.
9. Keep all saw blades stored in Set and keep Case in secure location away from children.
10. Read and adhere to all safety warnings and operating instructions of drill used with Set.
11. The warnings, cautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

OPERATION



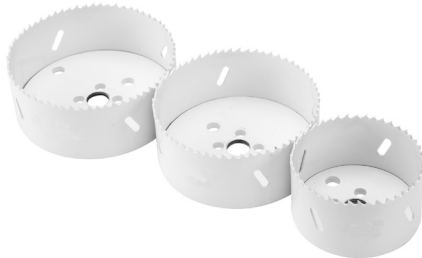
Read the **ENTIRE IMPORTANT SAFETY INFORMATION** section at the beginning of this document before set up or use of this product.

1. Select the desired size Hole Saw and either the Large or Small Mandrel (not included with 68111 Hole Saw Set).
2. **NOTE:** The 2-1/2" and 2-1/8" Hole Saws will need to be unthreaded from one another.
CAUTION! Wear heavy-duty work gloves when unthreading.
3. The correct size Mandrel will fit exactly into the Hole Saw.
4. **NOTE:** The Adapter will be needed to attach the Small Mandrel to medium size Hole Saws (such as 1-3/8" and 1-1/2" sizes.) Carefully thread the Adapter through the top of the Hole Saw and then thread the Small Mandrel through the bottom so that it screws into the Adapter.
5. To attach larger Hole Saws to the Large Mandrel, thread Hole Saw to top of Mandrel until mounting holes at base of the Saw align with the mounting tabs on Mandrel. Twist the bottom base of Large Mandrel until the tabs extend into the Saw's mounting Holes and the two pieces are securely fastened together.
6. Open jaws of drill chuck (not supplied).
7. Place the Mandrel shaft completely into the chuck and securely tighten the chuck.
8. Holding the drill at 90 degrees to the stock, set the Hole Saw on the stock.
9. Press the drill's trigger switch to turn it on.
10. If the drill is a variable speed type, start cutting the stock slowly until the circle groove is made in the stock. Then cut faster.
11. When the hole is cut, release the trigger switch and wait for Hole Saw to come to a complete stop before removing it from the stock.
12. Remove Hole Saw from drilling tool chuck.
13. Remove Hole Saw from Mandrel and clean off Hole Saw with a cloth. Place Hole Saw and Mandrel back in carrying case. If a different sized Hole Saw is needed, attach it to Mandrel.
14. **CAUTION!** Verify all Hole Saws are returned to case when work is complete.
15. **NOTE:** The pilot drill bit should be replaced if dull or broken. Always make sure the bit is securely held in place after being reinstalled.

PLEASE READ THE FOLLOWING CAREFULLY

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68111 3-Piece Hole Saw Set



68112 7-Piece Hole Saw Set

68113 14-Piece Hole Saw Set



Record Serial Number Here: _____

Note: If product has no serial number, record month and year of purchase instead.

Note: Some parts are listed and shown for illustration purposes only, and are not available individually as replacement parts.