

VEVOR[®]

TOUGH TOOLS, HALF PRICE

Technical Support and E-Warranty Certificate
www.vevor.com/support

Hole Saw

We continue to be committed to provide you tools with competitive price. "Save Half", "Half Price" or any other similar expressions used by us only represents an estimate of savings you might benefit from buying certain tools with us compared to the major top brands and does not necessarily mean to cover all categories of tools offered by us. You are kindly reminded to verify carefully when you are placing an order with us if you are actually saving half in comparison with the top major brands.

VEVOR[®]

TOUGH TOOLS, HALF PRICE

HOLE SAW



RD03-4001



RD03-4002

NEED HELP? CONTACT US!

Have product questions? Need technical support? Please feel free to contact us:






CustomerService@vevor.com

This is the original instruction, please read all manual instructions carefully before operating. VEVOR reserves a clear interpretation of our user manual. The appearance of the product shall be subject to the product you received. Please forgive us that we won't inform you again if there are any technology or software updates on our product.

INSTRUCTIONS

Thank you very much for choosing this hole saw. Please read all of the instructions before using it. The information will help you achieve the best possible results.

The products in this catalog may be different in color than the actual item.

	Warning-To reduce the risk of injury, user must read instructions manual carefully.
	Warning- Be sure to wear eye protectors when using this product.
	Caution! Wear a breathing mask. Dust which is injurious to health can be generated when working on wood and other materials.



WARNING!

Read and understand all instructions before using this hole saw. The operator must follow basic precautions to reduce the risk of personal injury and/or damage to the equipment. Keep this manual for safety warnings, precautions, operating or inspection and maintenance instructions.



Safety Precautions

- Wear working clothes suitable for the operation. In particular, eye protection equipment must be worn to prevent shavings from getting into your eyes.
- Prepare the working environment before starting the job. Be careful to consider safety when working in high places, being close to inflammable materials, in dark places, in rain, in wet place, on scaffolding. Consider falling, fires, electric shock, etc.
- Be sure to check if there are any defects in the product before use. Never use the product if it has any defect.
- Be sure to turn off the main switch of the drill and disconnect the power supply plug from the socket before attaching and detaching the product.

- Do not touch the product, the shavings, or the drilled surface by hand because they may be hot by drilling friction. Never remodel or modify the product.
- Do not touch moving parts, especially the drill tip or blades.
- When you feel anything unusual in use, stop using the product and inspect it as well as the electrical drill.

 **CAUTION**

Do not allow any person other than the working staff to enter the working place.

Do not touch the blades by hand because they are very sharp.

Please read handling description well when changing and assembling.

Use spare parts that comply with the product specification.

The product and its size must be appropriate for the specification of the electrical drill used.

Model and Parameters

Model	RD03-4001	RD03-4002
Hole Saws Diameters Included inches (mm)	3/4, 7/8, 1, 1-1/8, 1-3/8, 1-1/2, 1-3/4, 2, 2-1/4, 2-1/2, 3 (19, 22, 25, 29, 35, 38, 44, 51, 57, 64, 76)	3/4, 7/8, 1, 1-1/8, 1-1/4, 1-3/8, 1-1/2, 1-3/4, 2, 2-1/8, 2-1/4, 2-3/8, 2-1/2, 2-11/16, 3, 3-1/4, 3-3/4, 4-1/2 (19, 22, 25, 29, 32, 35, 38, 44, 51, 54, 57, 60, 64, 68, 76, 83, 95, 114)

Mandrels For Hole Saws



RD03-1009M-5



RD03-1006M-2

Fits Hole Saws

Mandrels	Hole Saws	
	inches	mm
RD03-1009M-5	3/4, 7/8 , 1 , 1-1/8	19, 22, 25, 29
RD03-1006M-2	1-1/4, 1-3/8, 1-1/2, 1-3/4, 2, 2-1/8, 2-1/4, 2-3/8, 2-1/2, 2-11/16, 3, 3-1/4, 3-3/4, 4-1/2	32, 35, 38, 44, 51, 54, 57, 60, 64, 68, 76, 83, 95, 114

Assembly and Usage

CAUTION

TO PREVENT INJURY:

Wear heavy-duty work gloves and ANSI-approved safety goggles during setup and whenever handling the saws.

1. Select the desired size Hole Saw and either the Large or Small Mandrel.

NOTE: Unthread the 2-1/2" and 2-1/8" Hole Saws from one another before use.

2. The correct size Mandrel will fit exactly into the Hole Saw.

3. Use the Adapter to attach the Small Mandrel to medium size Hole Saws (such as 1-3/8" and 1-1/2" sizes.) Carefully thread the Adapter into the Hole Saw and then thread the Small Mandrel through the bottom so that it screws into the Adapter.

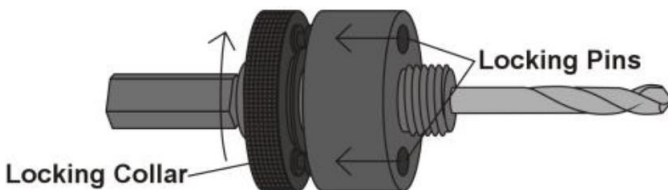
4. To attach Hole Saw to the Large Mandrel, see illustrations and instructions on facing page.

5. Open Jaws of Drill Chuck (sold separately).

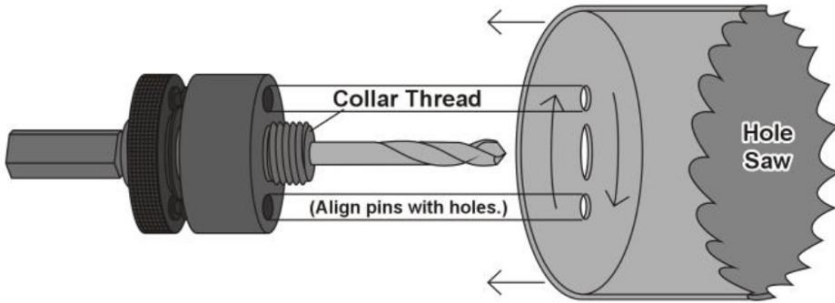
6. Place the Mandrel Shaft completely into the Chuck and securely tighten the Chuck.

Large Mandrel Setup

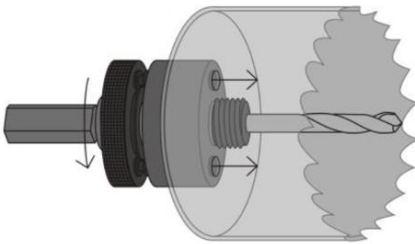
A. Unthread the knurled Locking Collar to retract the Locking Pins.



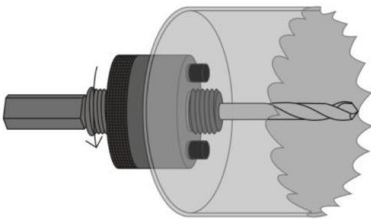
B. Thread Hole Saw onto Collar Thread until the Locking Pins align with the Holes in the Saw. It just needs to align, it does not need to be tight.



C. Tighten the knurled Locking Collar to extend the Locking Pins through the holes in the Hole Saw.



D. Tighten the knurled Locking Collar securely to hold the Hole Saw in place.



The shank shape allows for most chuck diameter.

! Precautions on use

- Securely chuck the shank to prevent swinging or falling.
- Do not reduce the rotation speed excessively during drilling. Jamming or tip cracking may result.
- Do not hit the cutting edges against any hard object or allow strong contact with the work material that may occur when the center drill passes through. The tip will crack.

Hole Saws Recommended Cutting Speeds

Hole Saw Diameter		Material RPM(Rotation Per Minute)			
Ø mm	Ø inch	stainless steel	steel	aluminium	wood
19	3/4	230	460	690	3000
22	7/8	195	390	580	3000
25	1	175	350	525	2700
29	1-1/8	150	300	450	2400
32	1-1/4	140	275	410	2400
35	1-3/8	125	250	375	2400
38	1-1/2	115	230	345	2400
44	1-3/4	95	195	295	2100
51	2	85	170	255	2000
54	2-1/8	80	160	240	2000
57	2-1/4	75	150	225	2000
60	2-3/8	70	140	220	2000
64	2-1/2	65	135	205	1850
68	2-11/16	65	130	190	1800
76	3	55	115	170	1800
83	3-1/4	50	105	165	1500
95	3-3/4	45	90	135	1200
114	4-1/2	35	75	105	900

Operation

1. Holding the drill at 90° to the workpiece, set the Hole Saw on the workpiece.
2. Press the drill's trigger to turn it on.
3. If the drill is a variable speed type, cut the work piece slowly until a circular groove is made in the workpiece. Then cut faster.
4. When the hole is cut, release the trigger and wait for Hole Saw to come to a complete stop before removing it from the workpiece.
5. When finished, remove Hole Saw from drill's chuck.
6. Remove Hole Saw from Mandrel and clean off Hole Saw with a cloth. Place Hole Saw and Mandrel back in carrying case.
7. Store Hole Saws inside case, out of reach of children.
8. Replace the pilot drill bit if dull or broken. Make sure the bit is securely held in place after being reinstalled.

Maintenance

9. Always secure the material to be cut. If not, the turning action of the hole saw will cause the workpiece to spin or slip.
10. Start the hole saw square to the workpiece surface with steady feed pressure. Unbalanced tooth engagement will result in erratic hole saw action and could cause tooth scrapage.
11. Follow the recommended standard hole saw operating speeds.
12. Hole saws should be worked in and out to help clear chips when working at the upper ranges of the hole saws' capacity.
13. Whenever possible, use a cutting oil, except with cast iron (or wood), to help clear chips and lubricate the blade for longer life.
14. Occasionally check the mandrel's drive pins to prevent them from vibrating out of the hole saw's drive pin holes.

Address: Baoshanqu Shuangchenglu 803long 11hao 1602A-1609shi Shanghai
Imported to AUS: SIHAO PTY LTD, 1 ROKEVA STREETEASTWOOD NSW 2122
Australia

Imported to USA: Sanven Technology Ltd., Suite 250, 9166 Anaheim Place,
Rancho Cucamonga, CA 91730

EC	REP	SHUNSHUN GmbH Römeräcker 9 Z2021,76351 Linkenheim-Hochstetten, Germany
----	-----	---

UK	REP	Pooledas Group Ltd Unit 5 Albert Edward House, The Pavilions Preston, United Kingdom
----	-----	---

MADE IN CHINA

VEVOR[®]

TOUGH TOOLS, HALF PRICE

Technical Support and E-Warranty Certificate
www.vevor.com/support