



# Diamond hole saws

## Instructions

How to make a cut with the Diamond Sintered Hole Saw products.

- All materials have a hardness rating so this is important to keep in mind when it comes time for cutting
- Always keep any cut , and Hole Saw well lubricated .
- Always do a test cut on the material that you wish to cut.

Use a sound cutting base eg: thin rubber mat or a piece of timber (plywood). Mark out the material you wish to cut—we do suggest that you use a permanent marker so you don't lose your lines and we find the best way is to place the hole saw on the material and then mark around it.

You can also use a template as a guide placing it over the top of the material . Secure this , sure you have your water bottle on hand to flood the area that you will be cutting. You can start your drill at low speed . Keep this lubricated at all times . Take your time and let the diamond do the work. If you feel this bit bite, you may have too much pressure on this or not enough lubrication. When both are right you feel confident with it. Repeat this over and over.

Now for the more confident.

Always place the material on a non slip material or on a clean non-slip surface eg: rubber mat or ply are OK. After marking out the area you wish to cut you can build a dam around the area you marked out. We use Blu-Tack for this purpose. You then fill this area with water.

Ok Now start the drill at high speed . Approach your mark out at an angle of 30 to 45 deg. Start cutting the surface until you create a C shape. As this gains start to bring your drill to the upright position and continue cutting. You can stop at any time to allow water to fill the cut. This will help keep the Diamond Hole Saws cool. You can repeat this over and over—take your time. When coming close to the end of the cut, back off the pressure and increase the speed . This will give a cleaner exit.

**Be sure you clean out your drill bit after every cut.** We use a 3 inch nail or a very fine screw driver. Push through the centre hole of the bit or the side holes.

**\*Note:** If this is not removed you will not be able to drill a second hole. You will also damage the bit..





**The Diamond Sintered Hole Saw product range:** Are rated for:

1. Ceramic Tiles
2. Porcelain / Vitrified Tiles
3. Glass
4. Fiberglass
5. Perspex Acrylic
6. Plaster
7. Limestone / Slate
8. Stone / Quartz
9. Terracotta
10. Marble
11. Granite
12. Compressed fibro sheeting / Masonry

**The Diamond Sintered Hole Saw product range:** Are not recommended for:

1. Hammer drill
2. High Speed
3. Excessive force / Pressure
4. Tempered glass
5. Metals surfaces of all kinds
6. Dry cutting

Dry cutting , high speeds and excessive force/ pressure can reduce the life of The Diamond Sintered Hole Saws

**Lubrication is most important!**

Keep the Diamond Sintered Hole Saw products well lubricated, you can use:

- Water
- Water with 10% detergent
- Water based gel—great for wall drilling or use a spray bottle.

**Do not use petroleum based products!**

PLEASE NOTE Safety is most important to All!! This is now in your hands.

1. Safety glasses
2. Ear protection
3. Dust mask
4. Template