WORKS of GLASS
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How to Drill Glass

Step 1: Start with using an old plastic food storage bowl or even the disposable take out containers are great options. Fill them with water and lay your glass across the top. The goal...**always have the glass and drill bit wet!**

If you cannot have a steady stream of water running over you glass, another lubrication technique is to build a "dam" around the drill hole using a small piece of modeling clay

Place a piece of 1/2" plywood under the glass to a solid surface to support the glass. It is important that you don't place a lot of pressure on the drill bit and glass. Placing wood under glass **does not** give you permission to push harder.

The Glastar Diamond drill bit will work with any drill but a light weight cordless drill versus a corded drill which need to be plugged in to an electrical outlet. Cordless is recommended for safety because you will be working with water for lubrication and we all know water and electricity should never mix.

ALWAYS pay attention to the placement of your hands. It is not necessary to hold the glass. You may find that it gives you more support and control holding one hand at the neck of the drill and one on the handle.

Step 2: To drill a hole, place the bit exactly where you want the hole and position your drill bit at a 15 degree angle. Use of water and a controlled speed won't chip your glass, stained glass, china plates or even fiberglass. **Start slow**.

Once you have started a small indentation in the glass, While drilling, remember to raise the drill up and down a fraction of an inch at a time to insure that water enters the drilled hole completely and fully lubricates the tip of the bit. This is VIP.

Step 3: Once you have drilled completely thru the glass, measure the hole to make sure it is large enough for your project. If a larger hole is needed, you may have to return the drill to an angled position and rotate the glass to grind away the hole to a larger size.

DO NOT use drill bits on Tempered glass! Breakage runs high. (80% to 90% depending upon the degree of temper in the glass.) Because the process of making tempered glass, it has a large amount of stress between various portions of the glass.

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