

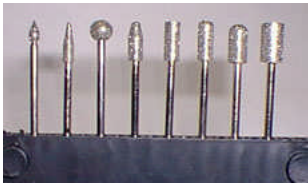
Drilling Holes with a Diamond Bit

Use our Diamond Drill bits to drill most soft material like glass, ceramics, tile, granite, and rock.

Use an electric drill. Diamonds like high speeds so most any type of drill will work including the high speed Dremel type drills for the smaller bits.

The most important thing to know is these diamond drill bits will NOT perform like wood or metal bits where you are used to ripping through the material. These Diamond bits are slow. Think about the small chunk of diamond slowly scraping away a tiny bit of material

every revolution. Use MINIMUM pressure. Let the bit work. Don't lean on it like a wood bit.



There are two basic types of diamond drill bits, Solid rod and Hollow Tube or

“Core Bits”. Our hollow core bits have diamond on the

edge, up the outside edge and up the inside.



Diamond bits need to be cooled with water. Submerge the material to be drilled in water or continually drip water on to the material. One method for drilling large flat material like glass is to make a “dam” around the hole with clay or wax to make a reservoir. Fill this reservoir with water. We just want to mention that there is a product that is added to the water to help the cooling but is not necessary an not worth the extra cleanup. Wear appropriate safety equipment including eye protection.



Drill with an up and down motion. When the bit is up off the glass, the water will fill the hole to cool the drill bit.

The drill will break through the bottom of the glass and may damage the container. If this is a concern, put some material like wood underneath the glass.



Sundance Art Glass
www.sundanceglass.com