

Drilling Instructions

MATERIALS	DIRECTIONS	RPM's
Cast Iron	Hand Drill or Drill Press	2,000
Hardened Steel	Drill Press only	2,000
Granite/Stone	With percussion	1,000
Concrete Brick	With or without percussion - if you run into rebar in the concrete continue drilling at high speed without the hammer drill.	1,000
Marble	Not necessary to punch or score - use moderate pressure - with or without percussion.	1,000
Ceramic Tile	Not necessary to punch or score - must use sharp drill bit - moderate pressure - no percussion.	1,000
Porcelain	Must use sharp drill bit - slow speeds - liquid coolant	--
Baked Ceramic	Must use sharp drill bit - slow speeds - liquid coolant	--
Glass/Crystal and Mirror	Liquid coolant - slow speed - light pressure - manual hand drill recommended or slow speed on variable speed drill.	--
Wood	Any speed - hand drill or drill press	
Plastic	Any speed - hand drill or drill press	
Grinding Wheel	Use to sharpen drill bit	800

Coolants: Turpentine - Light Oil - Water

☛ Please be advised that the ARTU® Multi-Purpose Drill Bit is not recommended to be used on mild steel. For example: Angle Iron, Galvanized Pipe, Copper, Aluminum, Brass, Stainless Steel, etc.

Special negative back grinding enables the tip to bore through materials with a filing action rather than a cutting action.

The tip is a blend of Cobalt and Tungsten Carbide designed for maximum hardness and resistance to heat and wear.

High-tech bonding allows bit to withstand drilling temperatures up to 1900 degrees Fahrenheit.

The Chrome Vanadium Steel Shank provides extra hardness and enormous strength.

Sharpening Instructions

The ARTU® Multi-Purpose Drill Bits can be resharpened simply by dressing these two flat surfaces on the tip.



To achieve the best results use the special ARTU® Silicon Carbide Grinding Wheel, item #01551.