

Large commercial spaces (e.g. airports, stadiums, schools, office spaces, hospitals, factories) install ultra-hard floor materials in high-traffic areas due to their extreme durability and wear-resistance. Champion's tile drills are designed to penetrate tough tiles quickly and effectively. Champion's PTC (spear head) style carbide tile drill is the original tile drill- ideal for drilling precise, small diameter holes (3/16 – 5/16"). Champion's PTC3 (mini diamond) style tile drill is the most advanced technology- ideal for drilling Grade 5+ porcelain tile in a wide range of diameters (3/16 to 1-3/8"). Both tools can also be used to drill ceramic, quarry, travertine, granite and terracotta.

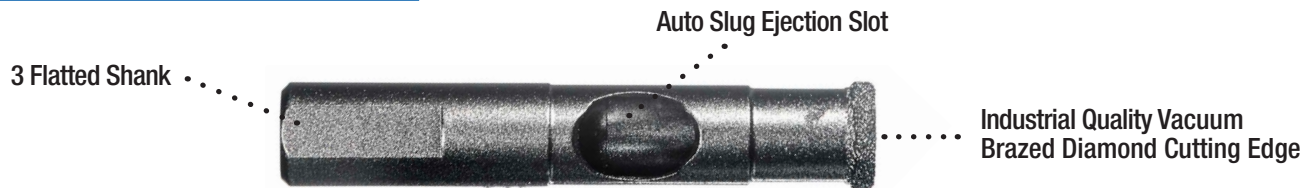
PTC Carbide Tipped Tile Drill



1. Install tile drill into portable power drill
2. Operate power drill in rotary mode only- ideally 700-900 RPM
3. PTC must be perpendicular to tile before drilling failure to do so will result in slower drilling speeds and premature wearing of tool
4. Before drilling, push tool onto tile
5. Small "cracking" sound should be heard
6. Ensure a continuous flow of water to cutting tip while drilling
7. Apply pressure until water is discolored by tile dust and hole is complete
8. Stop drilling when breakthrough of tile is achieved



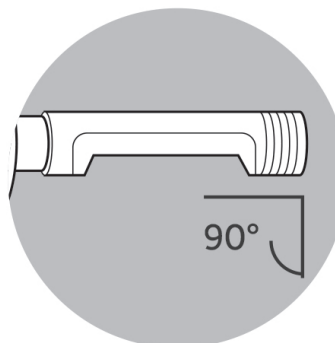
PTC3 Diamond Tile Drill



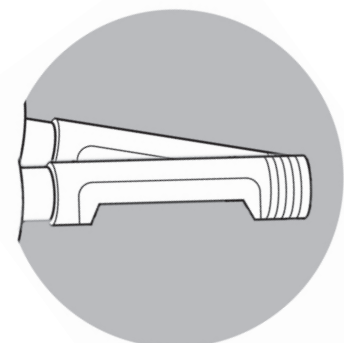
1. Install tile drill into portable power drill
2. Operate power drill in rotary mode only- ideally 900-1000 RPM
3. Drill "Wet" or "Dry"
 - Use a constant flow of water for optimal tool performance or dip spinning tool in water each time before use
 - If using continuous water flow on vertical surfaces- use a spray bottle
 - If using continuous water flow on horizontal surfaces- start with small pool of water and apply more as needed
4. Use the proper drilling techniques in the diagrams below for optimal results
5. Stop drilling when breakthrough of tile is achieved



Orient drill at 45° angle and create a smile in tile surface



Tilt drill up to 90° and continue drilling



Slight rotating or "rocking" motion will assist with penetration until hole is complete