

Vacuum Brazed  
Diamond Cutting Edge



Champion's PTC4 Diamond Holesaws are a great solution for large diameter drilling in a variety of materials. Available in sizes - 3/4 to 4"



Wood



Tile



Plastics

### Drilling Recommendations

- > Practice on loose material if it is available
- > Ensure that the material is on a flat bed / supporting material if drilling loose materials
- > Ideal for use in portable power drill
- > Optimal running speed is 900-1000 RPM
- > Do NOT use hammer action when using diamond holesaws

### Drill Hard Materials - Tile & Stone

- > Porcelain and quarry tiles, Class 5, granite, travertine, marble, reinforced glass and cement, stone
- > Remove pilot drill from the adaptor - DO NOT USE
- > Drill WET - use a constant flow of water
- > To start, set diamond holesaw at a 45° angle to the material
- > Run the power tool at the recommended speeds before contact
- > Ensure a good amount of pressure is applied upon contact to stop the diamond drill from 'walking'
- > After creating a 'half moon' shaped cut in material bring drill up to vertical position
- > Rotate drill slightly as it cuts to create relief around the hole and ease exit of slug

### Drill Soft Materials - Plastics & Wood

- > Glass, polymers, fibreglass, decking, plywood, mdf, plastics, laminates, perspex, brick, paving
- > Use the holesaw with the pilot drill attached as you would a standard bi-metal holesaw

### Drill Sheet Metal

- > Use holesaw with pilot drill
- > Use BruteLube for optimal drilling performance - lubrication will increase heat resistance and tool life

