CUTTING SPEED
FAST CUT (FCH) AND DEEP CUT (DCH)

<table>
<thead>
<tr>
<th>Diameter</th>
<th>RPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>9/16&quot;</td>
<td>110</td>
</tr>
<tr>
<td>1&quot;</td>
<td>210</td>
</tr>
<tr>
<td>1-1/16&quot;</td>
<td>310</td>
</tr>
<tr>
<td>2&quot;</td>
<td>410</td>
</tr>
<tr>
<td>3&quot;</td>
<td>510</td>
</tr>
<tr>
<td>4&quot;</td>
<td>610</td>
</tr>
<tr>
<td>5&quot;</td>
<td>710</td>
</tr>
<tr>
<td>6&quot;</td>
<td>810</td>
</tr>
<tr>
<td>6-5/32&quot;</td>
<td>910</td>
</tr>
</tbody>
</table>

1. Plastic
2. Mild Steel
3. Stainless Steel

TUNGSTEN CARBIDE TIPPED (CT AND MPH)

<table>
<thead>
<tr>
<th>Diameter</th>
<th>RPM</th>
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</thead>
<tbody>
<tr>
<td>1/2&quot;</td>
<td>3300</td>
</tr>
<tr>
<td>1&quot;</td>
<td>3000</td>
</tr>
<tr>
<td>1-1/8&quot;</td>
<td>2700</td>
</tr>
<tr>
<td>2&quot;</td>
<td>2400</td>
</tr>
<tr>
<td>2-1/8&quot;</td>
<td>2100</td>
</tr>
<tr>
<td>3&quot;</td>
<td>1800</td>
</tr>
<tr>
<td>3-1/4&quot;</td>
<td>1500</td>
</tr>
<tr>
<td>4&quot;</td>
<td>1200</td>
</tr>
<tr>
<td>4-1/8&quot;</td>
<td>900</td>
</tr>
<tr>
<td>5&quot;</td>
<td>600</td>
</tr>
<tr>
<td>5-1/2&quot;</td>
<td>300</td>
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</tbody>
</table>

1. Plastic
2. Aluminum
3. Ceramic
4. Cast Iron
5. Fiberglass
6. Formica

SMOOTHCUT (CSC)

<table>
<thead>
<tr>
<th>Diameter</th>
<th>RPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2&quot;</td>
<td>100</td>
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<tr>
<td>1&quot;</td>
<td>200</td>
</tr>
<tr>
<td>1-1/8&quot;</td>
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<tr>
<td>2&quot;</td>
<td>400</td>
</tr>
<tr>
<td>2-1/8&quot;</td>
<td>500</td>
</tr>
<tr>
<td>3&quot;</td>
<td>600</td>
</tr>
<tr>
<td>3-1/4&quot;</td>
<td>700</td>
</tr>
<tr>
<td>4&quot;</td>
<td>800</td>
</tr>
<tr>
<td>4-1/8&quot;</td>
<td>900</td>
</tr>
<tr>
<td>5&quot;</td>
<td>1000</td>
</tr>
<tr>
<td>6&quot;</td>
<td>1100</td>
</tr>
</tbody>
</table>

1. Wood
2. Mild Steel
3. Stainless Steel
4. Brass
5. Cast Iron
6. All Materials
# Application Guide: Hole Saws

## Material Thickness and Application

<table>
<thead>
<tr>
<th>Material Thickness and Application</th>
<th>Bi-Metal</th>
<th>Tungsten Carbide Tipped</th>
<th>Carbide Tipped Stainless Steel Sheet Metal</th>
<th>Diamond Grit/Tipped</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hole Saw Depth</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Recommended Cutting Depths</td>
<td>&lt;3mm</td>
<td>✓</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3 - 13mm</td>
<td>✓</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td></td>
<td>&gt;13mm</td>
<td>✓</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Metal</td>
<td>Inox (stainless)</td>
<td>★★</td>
<td>★★★</td>
<td>★★★</td>
</tr>
<tr>
<td>Non-Ferrous Materials</td>
<td>Cast Iron</td>
<td>★</td>
<td>★★</td>
<td>★★★</td>
</tr>
<tr>
<td>Wood</td>
<td>Nail Embedded Wood</td>
<td>★</td>
<td>★★</td>
<td>★★★</td>
</tr>
<tr>
<td>Veneer</td>
<td>MDF</td>
<td>★★</td>
<td>★★★</td>
<td>★★★</td>
</tr>
<tr>
<td>Plastic</td>
<td>Acrylic</td>
<td>★★</td>
<td>★★★</td>
<td>★★★</td>
</tr>
<tr>
<td>Ceramic</td>
<td>Porcelain/Glass/Stone</td>
<td>★★</td>
<td>★★★</td>
<td>★★★</td>
</tr>
<tr>
<td>Fiberglass</td>
<td>Formica</td>
<td>★</td>
<td>★★</td>
<td>★★★</td>
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<tr>
<td>Formica</td>
<td>Plaster</td>
<td>★★</td>
<td>★★★</td>
<td>★★★</td>
</tr>
<tr>
<td>Plaster</td>
<td>Suspended Floors (wood)</td>
<td>★★</td>
<td>★★★</td>
<td>★★★</td>
</tr>
<tr>
<td>Suspended Floors (composite)</td>
<td>Brick and Masonry</td>
<td>★★</td>
<td>★★★</td>
<td>★★★</td>
</tr>
</tbody>
</table>

### Cutting Performance - Excellent ★★★ | Satisfactory ★ | | | |

## Hole Saws and Accessories

**BI-METAL**
- Fast Cut Professional Hole Saws
- Deep Cut Industrial Hole Saws
- Deep Cut Industrial Hole Saws with Quickshot Arbor
- SmoothCut Hole Saw Assembly for Battery Operated Power Tools

**TUNGSTEN CARBIDE TIPPED**
- Carbide Tipped Multi-Purpose Hole Saws
- CT Triple Chip Carbide Tipped
- Carbide Tipped for Stainless Steel Sheet Metal

**DIAMOND GRIT**
- Tile Drills
- Diamond Hole Saws

**ACCESSORIES**
- Hole Saw Arbors
- Hole Saw Arbor Pilot Drill
- Hole Saw Core Ejector
- Hole Saw Arbor Extension Bar
- Hole Saw Arbor Adapter
- "Oops" Arbor
- Hole Saw Debris Collector

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