FEATURES

• New Generation Two into One Optimized Flute Geometry
• Optimized Core Thicknesses
• Diameter Range from 0.10mm (0.004-inch) to 0.45mm (0.0177-inch)
• Standard & Extended Flute Lengths Available
• Designed/Developed in the USA

BENEFITS

• Consistent Flute Volume Over the Full Flute Improves Debris Evacuation
• Optimum Hole Location Performance for Increased Stack Heights and High Aspect Ratio Parts
• Improved Breakage Resistance
## TECH DATA

<table>
<thead>
<tr>
<th>Diameter Metric</th>
<th>Diameter Inch</th>
<th>Standard Flute Length</th>
<th>Part Number</th>
<th>Extended Flute Length</th>
<th>Part Number</th>
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<td>0.10mm</td>
<td>0.0039&quot;</td>
<td>2.0mm/ 0.079&quot;</td>
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<td>n/a</td>
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<td>2.0mm/ 0.079&quot;</td>
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</tbody>
</table>

### IMPROVED HOLE LOCATION

**Conventional UC Series**
- Cp 1.62 (0.003" Radial Spec.)
- Material: ISOLA 370HR
- Copper Content: 18 Layers / 1oz.
- Drill P/N: 421.0098.157
- 177% Max Nailheading

**HYBRID Series 421**
- Cp 2.33 (0.003" Radial Spec.)
- Thickness: 0.103"
- Hit Count: 2300
- Drill Dia.: 0.0098"
- 176% Max Nailheading

### IMPROVED BREAKAGE RESISTANCE

**COMING JANUARY 2013**

**NANO**
- Proprietary Coating/ HYBRID Design

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