

## Edge of Arlington Saw & Tool, Inc.

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**Item #DRB-418, Amana Tool CNC Polycrystalline Diamond (PCD) 90° Engraving, V-Grooving, Chamfering Router Bit 1/2 Dia x 3/8 x 1/4 Shank (Industrial) \$202.31**

Thank you for shopping with us! Diamond is the hardest naturally-occurring material on the earth. Polycrystalline Diamond (PCD) tooling is manufactured in a high-temperature and high-pressure laboratory that fuses diamond particles onto a carbide substrate, which allows the diamond to be brazed onto a tool body. If you're looking for the ultimate in tooling you've found it! Amana Tool®'s PCD tipped 90° engraving V-grooving and chamfering CNC router bits will groove a wide variety of tough abrasive materials, including composites, particleboard, MDF (both raw or with melamine), veneer, and hardwoods. The cutting edge lasts much longer than carbide for extremely long life. **Excellent for 'V' Grooving and Chamfering:**

- Soft Wood
- Hard Wood
- Laminated Chipboard and MDF
- Plywood Veneer
- Solid Surface
- Synthetic and Homogenous Marble
- Carbon Fiber
- and more ....

**Excellent for Engraving:**

- Soft Wood
- Hard Wood
- Laminated Chipboard and MDF
- Plywood Veneer
- Solid Surface
- Synthetic and Homogenous Marble
- Carbon Fiber
- Aluminum, Brass & Copper
- Titanium
- Metal Alloys that don't contain Iron
- Plastics
- PCB Board
- Phenolic
- HDPE
- King Starboard® / Marine Building Material
- and more ....

**Benefits of Diamond Technology**

- Improved cycle times by enabling high material removal rates
- Faster speeds and feeds compared to conventional cutting tools
- Improved work-piece quality with tight dimensional control
- Optimized machine tool efficiency by increasing production capacity
- Consistently good component surface finish
- Can be reground up to 5 to 7 times
- Wear rate is much less than the carbide tipped tools

**Warning:** Maximum recommended material depth in one pass varies from 0.5mm - 3.0mm depending on the hardness of the material. The harder the material the less the depth.

## SPECIFICATIONS

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<b>Manufacturer</b>	Amana Tool
<b>Diameter</b>	1/2 in
<b>Diameter (D1)</b>	0.1 in
<b>B1</b>	1/4 in
<b>Cut Height, Length, or Width</b>	3/8 in
<b>Flute</b>	1
<b>Note</b>	Warning: Maximum recommended material depth in one pass varies from 0.5mm - 3.0mm depending on the hardness of the material. The harder the material, the less the depth.
<b>Overall Length</b>	2 1/4 in
<b>Shank</b>	1/4 in
<b>Angle</b>	90 deg