

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)
\$223.92

Edge of Arlington offers free shipping in the United States when you choose flat rate shipping.

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

B1	1/4 in
Cut Height, Length, or Width	3/8 in
Diameter (D1)	0.1 in
Flute	1
Manufacturer	Amana Tool
Note	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.
Overall Length	2 1/4 in
Shank	1/4 in
Angle	90 °