

Edge of Arlington Saw & Tool, Inc.

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Amana Tool PCD CNC Engraving, 'V' Grooving & Chamfering Diamond-Tipped Router Bits

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 60 degree 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:**

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.



Item #	Manufacturer	Diameter	Diameter (D1)	B1	Cut Height, Length, or Width	Flute	Note	Overall Length	Shank	Angle	Price
DRB-416	Amana Tool	1/4 in	0.005 in	N/A	1/8 in	2	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.	2 3/8 in	1/4 in	60 deg	\$223.92
DRB-418	Amana Tool	1/2 in	0.1 in	1/4 in	3/8 in	1	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.	2 1/4 in	1/4 in	90 deg	\$223.92