

## Edge of Arlington Saw & Tool, Inc.

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### **Item #DRB-424, Amana Tool Polycrystalline Diamond (PCD) Tipped Double Flute 1/2 Dia x 3/4 CH x 1/2 Shank Straight Plunge (Industrial) \$322.97**

Thank you for shopping with us! If you're looking for the ultimate in tooling, you've found it. Amana Tool's diamond router bits will cut a wide variety of tough, abrasive materials. The cutting edge lasts up to 100 times longer than carbide; in the long-run, PCD is the most economical choice. Diamond tipped compression with carbide plunge point router bits for grooving, jointing & rabbeting in composites, MDF, laminate, plastic, wood, veneers, and more. Up/Down-shear for double-sided material. 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. Diamond-tipped for cutting composite panels and fiberglass. Tool life is expected up to 100 times when compared with the carbide-tip tooling. Also has a solid carbide tool body. **Excellent for Cutting:**

- Fiberglass Reinforced Composites
- Lightweight Composites
- Custom Composite Materials
- Fiber-Reinforced Urethane
- Fiber-Reinforced Structural Foam Floors
- MDF
- Particleboard
- Aluminum
- Aluminum Composites
- Composite Panel
- Fiberglass
- Laminate
- MDF
- Plywood Veneer

#### **Warning:** Maximum RPM=12,000 **Benefits of Diamond Technology**

- Improved cycle times by enabling high material removal rates
- Faster speeds and feeds compared to conventional cutting tools
- Improved workpiece 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

## SPECIFICATIONS

<b>Diameter</b>	1/2 in
<b>Cut Height, Length, or Width</b>	3/4 in
<b>Flute</b>	2
<b>Manufacturer</b>	Amana Tool
<b>Overall Length</b>	4 in
<b>Shank</b>	1/2 in
<b>Type</b>	Straight Plunge
<b>RPM</b>	24,000