

## Edge of Arlington Saw & Tool, Inc.

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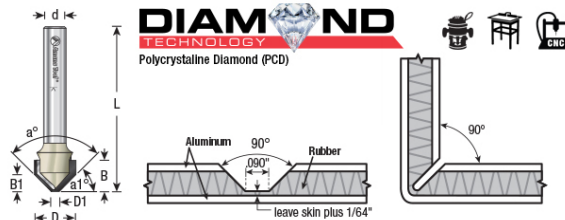


### Item #DRB-450, Amana Tool Polycrystalline Diamond (PCD) Tipped Double Edge Folding V-Groove 90° x 0.090" Tip Width x 1/2" Dia x 3/8" x 1/4" Shank (Industrial) \$213.48

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® PCD-tipped double edge folding v-groove 90 degree 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 at least 25 times longer than carbide for extremely long life. Depending on the material being cut, PCD tooling has been known to out perform a carbide tool by a ratio of 300:1. However, to be conservative in your buying decision, we suggest you base your expectations on 25:1 ratio over carbide tooling. Excellent cutting surfaces and extremely long life. Optimal for panels with mineral core, which may meet fire regulations. Designed for shaping Aluminum Composite (sandwich) Materials (ACM) with 90° angle V-grooves with flat bottoms. Routing V-shaped grooves, whereby the aluminum cover and a part of the polyethylene core is removed, allows folding/creasing the remaining material by hand. Ideal for wall panel fabrication. ACM is widely used for cladding many diverse exterior and interior applications such as office buildings, hospitals, convention centers, airports, and hotels. The long lasting durability of the material makes it an excellent choice for buildings, signage, displays, etc. Designed for cutting and scoring aluminum sandwich materials including:

- Aluminum, Clay, Zinc & Wood Composite Panels
- Aluminum Composite Materials (ACM)
- Aluminum Composite Panel (ACP)\*
- ALPOLIC® Copper Composite Material (CCM)
- Alucobond®
- Alupanel®
- Composites
- Dibond®
- Durabond\*\*
- e-panel™
- Etalbond®
- Phenolics
- Plastic/Acrylic
- Plexiglas®
- Titanium Composite Material (TCM)
- Wood

\*Aluminum Composite Panel (ACP) is a type of ACM flat panel that consists of two thin aluminum sheets bonded to a non-aluminum core. ACPs are frequently used for external cladding or facades of buildings, insulation, and signage. \*\*Durabond is a polyethylene core with 0.3mm colored aluminum sheet on either side, pre-finished requiring no decoration.



#### Benefits of Diamond Technology

- Harder cutting edge provides higher resistance to wear
- Cut thousands of feet more than carbide without changing tool, saving setup time
- Optimized machine tool efficiency
- Quality of finish is often significantly improved

## SPECIFICATIONS

<b>Manufacturer</b>	Amana Tool
<b>Diameter</b>	1/2 in
<b>B1</b>	13/64 in
<b>Cut Height, Length, or Width</b>	3/8 in
<b>Diameter (D1)</b>	0.090 in
<b>Flute</b>	2
<b>Overall Length</b>	2 in
<b>Shank</b>	1/4 in
<b>Tip/Point</b>	0.090 in Tip Width
<b>Type</b>	V-Groove 90 deg
<b>Angle</b>	90 deg