

Edge of Arlington Saw & Tool, Inc.

124 South Collins

Arlington, TX 76010

Phone: 817-461-7171 • Fax: 817-795-6651

Toll Free: 888-461-7171

Email: info@eoasaw.com

Website: www.eoasaw.com



Item #51535, Amana Tool Solid Carbide CNC Spiral for Glass Reinforced Plastic Cutting 1/4 x 3/4 x 1/4 Shank Downcut ZrN Coated Router Bit - 4 Flute \$59.33

Thank you for shopping with us!

Fiberglass-impregnated materials are well-known for their abrasiveness with a tendency to fray or shred during machining, along with heat created by the router bit. Amana Tool's response to these challenges is an extremely free-cutting, multi-edge tool that shears the material without shredding or producing unnecessary heat. Adding a Zirconium Nitride Ceramic (ZrN) coating increases the edge hardness by nearly 50%, greatly increasing the life of the cutting edge.

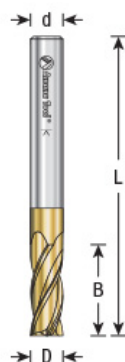
Benefits of ZrN Coating

- Creates a harder and tougher cutting edge, allows for a prolonged cutting edge life, and helps to prevent the build-up of material in the flutes while cutting
- High resistance to wear
- Extended tool life
- Less friction & heat buildup

Excellent for cutting: +Acrylonitrile-Butadiene-Styrene (ABS) +Carbon Fiber Reinforced Polymer (CFRP) +Composite Materials +Coroplast® +Fiberglass +Fiberglass PCB Board +Fiber Reinforced Plastic (FRP) +High Impact Polystyrene (HIPS) +Low Density Polyethylene (LDPE) +Poly (methyl methacrylate) (PMMA) +Polycarbonate (Lexan™)† +Polyethylene Terephthalate Glycol-Modified (PETG / PET-G) +Thermoplastic Polyolefin (TPO)

†Recommendation: Use the slowest suggested feed rates and the shortest bits necessary for cutting and routing Lexan™.

Tools are manufactured with high balance that allows them to run up to 60,000 RPM. Adjust your chipload and feed rate accordingly.



Fiberglass



Composite Materials



ZrN COATED BITS

SPECIFICATIONS

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Manufacturer	Amana Tool
Diameter	1/4 in
Cut Height, Length, or Width	3/4 in
Flute Geometry	Downcut
Flute	4
Overall Length	2 1/4 in
RPM	High balance allows up to 60,000 RPM
Shank	1/4 in