

## Edge of Arlington Saw & Tool, Inc.

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**Item #51806, Amana Tool High Performance Solid Carbide CNC Steel, Stainless Steel & Composite Cutting Variable Helix Spiral Ball Nose with AlTiN Coating 4-Flute x 1/2 Dia x 1/2 Shank x 3 Inch Long Upcut Router Bit/End Mill**  
**\$152.63**

Thank you for shopping with us!

Amana Tool's multi-helix tools are the superstars of carbide end mills for professionals and hobbyists alike. The multiple helix eliminates harmonic chatter, so critical when surface finishes, part dimension tolerances, and tool life are of the utmost importance. Premium Aluminum Titanium Nitride (AlTiN) coating provides quantum increases in productivity, either in terms of speed or of longevity, with or without coolant.

They are outstanding tools for peripheral milling, and can take aggressive cuts along the full length of the overall flute length with no issues. They last much longer than general purpose end mills, partly because they are coated; partly because they dampen vibration, which tends to break a sharp cutting edge down very quickly. For use with manual and automatic milling machines, as well as the most sophisticated CNC machines.

4 Flute unique variable design for faster speeds and feeds. Quiet operation & better finishes.

**Excellent for cutting:**

- Stainless Steel
- Titanium
- Cast Iron
- Steel
- Aluminum
- Brass
- Bronze
- Copper
- Gold
- Silver
- Cermet (composites in which ceramic materials and metals are joined together)

**AlTiN coating has many benefits:**

- Extra wear resistance
- Allows for faster feed and speed rates
- Cutting edge protected from wear
- Better chip evacuation
- Less heat build up
- Superior cutting quality and extended tool life

**Please note:** For optimal results and to extend tool life when trimming/cutting aluminum, please use mist lubricant system or air cooling. Please inspect cut and adjust accordingly.

SPECIFICATIONS	
Manufacturer	Amana Tool
Diameter	1/2 in
Cut Height, Length, or Width	1 1/4 in
Flute Geometry	Upcut
Flute	4
Overall Length	3 in
Radius	1/4 in
Shank	1/2 in
Type	Ballnose