Edge of Arlington Saw & Tool, Inc.

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Item #51810-K, Amana Tool Solid Carbide CNC Spektra™ Extreme Tool Life Coated Spiral 'O' Flute, Plastic Cutting 1/4 Dia x 1/4 Inch Shank Upcut Router Bit
$47.44
Thank you for shopping with us!.

To be used only on CNC machines and routers with automatic feeding.
Produce super clean, smooth cuts especially in acrylic materials (Plexiglas® Lucite®) other plastics and wood. Bits are made according to strict tolerances from an exclusive carbide grade and polished to a mirror finish using Amana's unique process. Designed to eject chips up. Ideal for industrial applications and CNC machines. Right hand helix right hand cut.
Excellent for cutting:
• Plastic/Acrylic
• Acetal and Nylon
• Acrylic Stone
• Acrylonitrile Butadiene Styrene (ABS)
• Aluminum Composite Material (ACM)
• Alupanel®
• Corian
• Coroplast®**
• Corrugated Plastics* such as Correx Boards and Polypropylene
• Crosslinked Polyethylene (XPE, PEX, XLPE)
• Delrin
• Dibond®
• Extruded Acrylic
• Foam Board
• Fomex®
• Gatorfoam®***
• Hard Plastic
• High Density Polyethylene (HDPE)
• High Density Urethane (HDU Board)
• High Impact Polystyrene (HIPS)
• High Impact Polystyrene (HIPS) for digital printing
• High Pressure Laminates (HPL)
• Hydroxy-Terminated Polyether (HTPE)
• King ColorCore® The Multi-Color Engravable Polymer Sheet.
• Laminate
• Low Density Polyethylene (LDPE)
• LubX®
• Lucite®
• Mechanical/Engineered Plastics
• Perspex® Cast Acrylic Sheet
• Plexiglas®
• Poly (methyl methacrylate) (PMMA)
• Polycarbonate (Lexan™)†
• Polyethylene Terephthalate Glycol-Modified (PETG / PET-G)
• Polyoxymethylene (POM), also known as Acetal, Polyacetal and Polyformaldehyde.
• Polystyrene (PS)
• PVC
• Sign Foam
• Sintra PVC
• Solid Surface
• StarBoard® (King StarBoard 'R') High Density Polyethylene Sheet (HDPE)
• Teflon®
• Thermoplastic Polyolefin (TPO)
• Trespa® Meteon®****
• Ultra High Molecular Weight Polyethylene (UHMWPE)
• Urethane
• Vinyl Flooring
• Wood

*Corrugated Plastics such as Correx refers to a wide range of extruded twinwall plastic-sheet products produced from high-impact Polypropylene resin with a similar make-up to corrugated fiberboard. They are used in a variety of applications including boat building packaging signage outdoor advertising and the production of pet cages.
**A soft plastic cardboard made with super soft super flexible PVC.
***Gatorfoam® Foam Board a polystyrene foam board bonded between two layers of Luxcell® wood-fiber veneer.
****Decorative high-pressure compact laminate (HPL) with an integral surface.
†Recommendation: Use the slowest suggested feed rates and the shortest bits necessary for cutting and routing Lexan™.
Benefits of Mirror-Finish:
• Razor sharp cutting edge
• Effortless chip removal
• Helps prevent chip re-welding
• Extends tool life
• Exceptional cut quality
• Dissipates heat well and
prevents melting
Our Spektra™ bits feature a nACo® nanocomposite coating with an extreme nanohardness and heat resistance. With a brilliant distinctively-tinted coloring nACo provides additional improvements in four critical aspects of router tooling.
• nACo coating is a micro-thin ceramic coating which enables the tool's cutting edge to retain crucial sharpness and lubricity. This provides longevity and produces cutting results of the highest quality.
• Coating prevents high heat and oxidation which is detrimental to cutting tool performance.
• Multi-colored hues, while attractive, will dissipate upon use and yet coating will remain fully effective.
• nACo offers approximately 4,500 Vickers for impressive solid hardness on cutting areas of the tool, for an increase up to 2.5 times compared to uncoated bits.
Note: Blue based color dissipates immediately upon use. nACo® nanocomposite coating will not wear off.

Maximum RPM: 35,000

SPECIFICATIONS	
Manufacturer	Amana Tool
Diameter	1/4 in
Carbide H, or Cut H/L/W	1/2 in
Flute Geometry	Upcut
Flute	1
Overall Length	2 in
Shank	1/4 in