

**INDUSTRIAL**  
**Plastic Cutting**  
Solutions



- Razor sharp cutting edge
- Effortless chip removal
- Helps prevent chip re-welding
- Extends tool life
- Exceptional cut quality



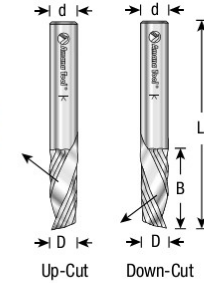
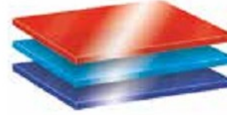
**Excellent for Cutting:**

- Plastic, Acrylic
- Acetal and Nylon
- Acrylic Stone
- Acrylonitrile Butadiene Styrene (ABS)
- Aluminum Composite Material (ACM)
- Alupanel®
- Corian
- Coroplast®
- Correx Boards
- Corrugated Polypropylene
- Delrin
- Dibond®
- Extruded Acrylic
- Foam Board
- Fomex®
- Gatorfoam®
- Hard Plastic
- High Density Polyethylene (HDPE)
- High Density Urethane (HDU Board)
- High Impact Polystyrene (HIPS)
- HIPS with Digital Printing
- Hydroxy-Terminated Polyether (HTPE)
- King ColorCore®, The Multi-Color Engravable Polymer Sheet
- Laminate
- LubX®
- Low Density Polyethylene (LDPE)
- Lucite®
- Mechanical/Engineered Plastics
- Perspex® Cast Acrylic Sheet
- Plexiglas®
- Poly (methyl methacrylate)(PMMA)
- Polyethylene Terephthalate Glycol-Modified (PETG / PET-G)
- Polycarbonate (Lexan™)
- Polystyrene (PS)
- Polyoxymethylene (POM)
- PVC
- Sign Foam
- Sintra-PVC
- Solid Surface
- StarBoard® (King StarBoard 'R')
- High Density Polyethylene Sheet (HDPE)
- Teflon®
- Thermoplastic Polyolefin (TPO)
- Trespa® Meteon® Decorative High-Pressure Compact Laminate (HPL) With An Integral Surface
- Urethane
- Ultra High Molecular Weight Polyethylene (UHMWPE)
- Wood

**CNC PLASTIC CUTTING SPIRAL 'O' FLUTE**

*Solid Carbide • Single Flute • Up-Cut & Down-Cut*

Made according to strict tolerances from an exclusive carbide grade polished to a mirror finish using Amana's unique process. Designed to eject chips either up or down. Ideal for industrial applications.



ØD	B	Ød	L	'Up-Cut' Tool No.	'Down-Cut' Tool No.
1/16	1/4	1/8	2	51415 †	51515 †
1/16	1/4	1/4	2	51441	—
3/32	1/4	1/8	2	51647 † New	—
1/8	1/4	1/8	2	51443 †	—
1/8	3/4	1/8	2	51437 †	—
1/8	1/4	1/4	2	51416	—
1/8	5/16	1/4	1-1/2	—	51523
1/8	5/16	1/8	2	51453 †	—
1/8	1/2	1/8	2	51410 †	51510 †
1/8	1/2	1/4	2	51411	51511
1/8	5/8	1/4	2-1/2	51445	—
1/8	3/4	1/4	2-1/2	51446	—
5/32	9/16	1/4	2	51447	51516
3/16	3/8	3/16	2	51448	51518
3/16	3/8	1/4	2	51449	—
3/16	5/8	3/16	2	51412	51512
3/16	5/8	1/4	2	51417	51517
3/16	5/8	1/4	2-1/2	51423	—
3/16	7/8	1/4	2-1/2	51442	—
3/16	1-1/4	1/4	3	51418	—
7/32	3/4	1/4	2-1/2	51424	—
1/4	3/8	1/4	2	51425	51519
1/4	5/8	1/4	2	51419	—
1/4	3/4	1/4	2	51404	51504
1/4	3/4	1/4	2-1/2	51421	51524
1/4	7/8	1/4	2-1/2	51444	—
1/4	1	1/4	2-1/2	51405	51505
1/4	1-1/16	1/4	3	51409	—
1/4	1-1/4	1/4	3	51407	51507
1/4	1-3/8	1/4	3	51403	—
1/4	1-1/2	1/4	3	51413	51513
1/4	2-1/4	1/4	3-3/4	51646	—
3/8	3/8	3/8	3	51641	51528
3/8	5/8	3/8	2-1/2	51429	—
3/8	3/4	3/8	3	51426	51509
3/8	1-1/8	3/8	3	51414	51514
3/8	1-5/8	3/8	3-1/2	51427	—
1/2	1-1/4	1/2	3	51645	51529
1/2	1-3/8	1/2	3-1/2	51644	—
1/2	1-5/8	1/2	3-1/2	51428	—
1/2	2	1/2	4	51648	—

† Router collet reducer RB-102 (1/4 to 1/8) available for 1/8 shank bits.

CNC feed and speed available online

*CNC Sets*  
See page 28

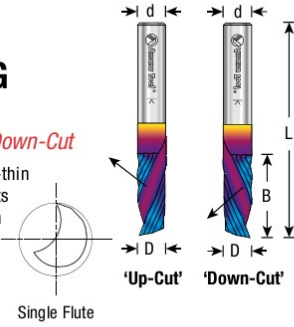




## CNC PLASTIC CUTTING SPIRAL 'O' FLUTE

Solid Carbide • Single Flute • Up & Down-Cut

The Spektra™ nACo® nanocomposite micro-thin coating provides longevity and cutting results of the highest quality. For complete details on Spektra™ visit [www.amanatool.com/spektra](http://www.amanatool.com/spektra)



- Razor sharp cutting edge
- Effortless chip removal
- Helps prevent chip re-welding
- Extends tool life
- Exceptional cut quality

ØD	B	Ød	L	'Up-Cut' Tool No.	'Down-Cut' Tool No.
1/32	3/16	1/4	2	51649-K <i>New</i>	—
1/16	1/4	1/8	2	51415-K †	51515-K † <i>New</i>
1/16	1/4	1/4	2	51441-K	—
1/8	1/4	1/4	2	51416-K <i>New</i>	—
1/8	5/8	1/4	2-1/2	51445-K <i>New</i>	—
1/8	1/2	1/8	2	51410-K †	51510-K †
1/8	1/2	1/4	2	51411-K	51511-K
1/8	3/4	1/8	2	51437-K † <i>New</i>	—
1/8	3/4	1/4	2-1/2	51446-K	—
3/16	5/8	3/16	2	51412-K <i>New</i>	—
3/16	5/8	1/4	2	51417-K	51517-K <i>New</i>
3/16	7/8	1/4	2-1/2	51442-K <i>New</i>	—
3/16	1-1/4	1/4	3	51418-K <i>New</i>	—
1/4	3/8	1/4	2	51425-K <i>New</i>	—
1/4	5/8	1/4	2	51419-K <i>New</i>	—
1/4	3/4	1/4	2	51404-K	51504-K
1/4	3/4	1/4	2-1/2	51421-K <i>New</i>	51524-K <i>New</i>
1/4	7/8	1/4	2-1/2	51444-K <i>New</i>	—
1/4	1	1/4	2-1/2	51405-K	51505-K <i>New</i>
1/4	1-1/4	1/4	3	51407-K <i>New</i>	51507-K <i>New</i>
1/4	1-1/2	1/4	3	51413-K <i>New</i>	51513-K <i>New</i>
1/4	2-1/4	1/4	3-3/4	51646-K <i>New</i>	—
3/8	1-1/8	3/8	3	51414-K <i>New</i>	—
3/8	1-5/8	3/8	3-1/2	51427-K <i>New</i>	—
1/2	1-5/8	1/2	3-1/2	51428-K <i>New</i>	—

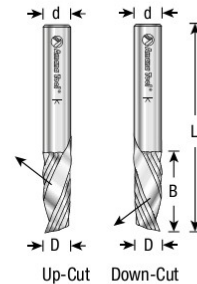
- 8-Pc Spektra Set (item numbers available online) **AMS-165-K**
- 5-Pc Spektra Set (item numbers available online) **AMS-166-K**
- 2-Pc Spektra Pack (includes 51404-K, 51411-K) **AMS-195-K *New***

† Router collet reducer RB-102 (1/4 to 1/8) available for 1/8 shank bits.

## METRIC CNC PLASTIC CUTTING SPIRAL 'O' FLUTE

Solid Carbide • Single Flute • Up-Cut & Down-Cut

Produce super clean, smooth cuts in plastics. Metric sized.

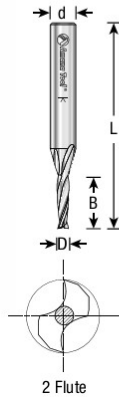


ØD	B	Ød	L	'Up-Cut' Tool No.	'Down-Cut' Tool No.	ØD	B	Ød	L	'Up-Cut' Tool No.	'Down-Cut' Tool No.
2mm	6mm	3mm	50mm	51634	—	5mm	16mm	6mm	64mm	57321	57332
2mm	8mm	2mm	50mm	57310	—	5mm	30mm	5mm	64mm	57322	—
2mm	8mm	6mm	64mm	57311	—	6mm	8mm	6mm	64mm	57323	—
2.5mm	8mm	2.5mm	50mm	57312	—	6mm	12mm	6mm	64mm	57324	—
2.5mm	8mm	6mm	64mm	57313	—	6mm	16mm	6mm	63mm	51638	—
3mm	8mm	3mm	50mm	57314	—	6mm	20mm	6mm	64mm	51495	—
3mm	8mm	6mm	64mm	57315	—	6mm	30mm	6mm	75mm	51497	—
3mm	12mm	3mm	64mm	51491	—	6mm	30mm	6mm	76mm	—	57333
3mm	12mm	6mm	50mm	—	51526	6mm	32mm	6mm	75mm	—	51527
3mm	12mm	6mm	64mm	57316	—	6mm	38mm	6mm	75mm	51499	—
4mm	8mm	4mm	64mm	57317	—	6mm	38mm	6mm	76mm	—	57334
4mm	12mm	4mm	64mm	51636	—	8mm	25mm	8mm	64mm	57325	57335
4mm	20mm	4mm	64mm	57318	—	8mm	38mm	8mm	76mm	57326	57336
4mm	20mm	6mm	64mm	57319	57331	10mm	30mm	10mm	76mm	57327	—
4mm	30mm	4mm	64mm	57320	—	10mm	35mm	10mm	76mm	57328	—
5mm	16mm	5mm	64mm	51493	—	12mm	38mm	12mm	76mm	57329	—



CNC feed and speed available online

**INDUSTRIAL** PLASTIC CUTTING ROUTER BITS

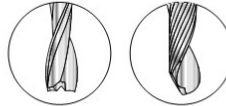


## CNC PLASTIC CUTTING SPIRAL DOUBLE 'O' FLUTE



Solid Carbide • Double Flute • Up-Cut

Solid carbide spiral double 'O' flute plastic cutting router bits use the highest quality sub-micrograin carbide resulting in clean cuts, superior surface finish and a longer tool life. The spiral double 'O' flute sharpening process increases feed rates, allowing for more linear feet routed in less time. Produce super clean smooth cuts especially in acrylic materials (Plexiglas® Lucite®) other plastics and wood.



Flat Bottom Ball Nose



### Excellent for Cutting:

- Plastic, Acrylic
- Acetal and Nylon
- Acrylic Stone
- Acrylonitrile Butadiene Styrene (ABS)
- Aluminum Composite Material (ACM)
- Alupanel®
- Corian
- Coroplast®
- Correx Boards
- Corrugated Polypropylene
- Delrin
- Dibond®
- Extruded Acrylic
- Foam Board
- Fomex®
- Gatorfoam®
- Hard Plastic
- High Density Polyethylene (HDPE)
- High Density Urethane (HDU Board)
- High Impact Polystyrene (HIPS)
- HIPS with Digital Printing
- Hydroxy-Terminated Polyether (HTPE)
- King ColorCore®, The Multi-Color Engravable Polymer Sheet
- Laminate
- LubX®
- Low Density Polyethylene (LDPE)
- Lucite®
- Mechanical/Engineered Plastics
- Perspex® Cast Acrylic Sheet
- Plexiglas®
- Poly (methyl methacrylate)(PMMA)
- Polyethylene Terephthalate Glycol-Modified (PETG / PET-G)
- Polycarbonate (Lexan™)
- Polystyrene (PS)
- Polyoxymethylene (POM)
- PVC
- Sign Foam
- Sintra-PVC
- Solid Surface
- StarBoard® (King StarBoard 'R') High Density Polyethylene Sheet (HDPE)
- Teflon®
- Thermoplastic Polyolefin (TPO)
- Trespa® Meteor® Decorative High-Pressure Compact Laminate (HPL) With An Integral Surface
- Urethane
- Ultra High Molecular Weight Polyethylene (UHMWPE)
- Wood

2 Flute

### Flat Bottom

ØD	B	Ød	L	'Up-Cut' Tool No.	'Down-Cut' Tool No.
1/8	1/2	1/8	2	51761† <i>New</i>	51781† <i>New</i>
1/8	1/2	1/4	2	51762	51782 <i>New</i>
1/8	3/4	1/4	2-1/2	51766 <i>New</i>	—
3/16	5/8	1/4	2-1/2	51763	—
1/4	3/4	1/4	2	51768 <i>New</i>	51784 <i>New</i>
1/4	7/8	1/4	3	51765	—
1/4	1	1/4	2-1/2	51769 <i>New</i>	—
1/4	1-1/4	1/4	3	51767	—
3/8	1-1/8	3/8	3	51780 <i>New</i>	—

† Router collet reducer RB-102 (1/4 to 1/8) available for 1/8 shank bits.

### Ball Nose

ØD	Radius	B	Ød	L	'Up-Cut' Tool No.
1/8	1/16	1/2	1/8	2	51814† <i>New</i>
1/4	1/8	3/4	1/4	2	51818 <i>New</i>

† Router collet reducer RB-102 (1/4 to 1/8) available for 1/8 shank bits.



Set #AMS-167

## 18-PC. CNC ADVANCED PLASTIC CUTTING



1/4" Shank • Solid Carbide Router Bit Collection



### Set #AMS-167 Includes:

51441, 51411, 51446, 51417, 51442, 51419, 51404, 51405, 51511, 51504, 46280, 46282, 43608, 46411, 46112, 46426, 46424 & RC-1075



Set #AMS-165

## 8-PC. CNC PLASTIC CUTTING SPIRAL SINGLE 'O' FLUTE



1/4" Shank • Single 'O' Flute Solid Carbide Spiral Router Bit Collection



### Set #AMS-165 Includes:


51411, 51417, 51404, 51405, 51511, 51517, 51504 & 46308

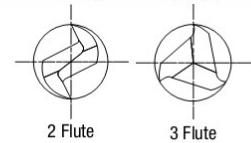
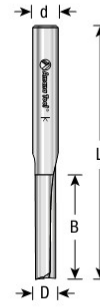
## PLASTIC CUTTING

*Solid Carbide • 2 & 3 Flute • Straight Grind*

Used for routing harder and more rigid plastics in the following materials: Acrylic, Acetal, Nylon, PVC, ABS, Phenolic, Corian, Poly (PMMA), Acrylic Stone, Coroplast® etc.

ØD	B	Ød	L	Flute	Tool No.
1/8	1/2	1/4	2	2	43600
1/8	1/2	1/4	2	2	43600-K <i>New</i>
3/16	5/8	1/4	2	2	43604
1/4	3/4	1/4	2	2	43607
1/4	3/4	1/4	2	2	43607-K <i>New</i>
1/4	1	1/4	2-1/2	2	43608
1/4	1	1/4	2-1/2	2	43608-K <i>New</i>
1/4	1	1/4	2-1/2	3	46483-K <i>New</i>
1/2	1	1/2	3	2	43616-K <i>New</i>

 The Spektra™ nAco® nanocomposite micro-thin coating provides longevity and cutting results of the highest quality. For complete details on Spektra™ visit [www.amanatool.com/spektra](http://www.amanatool.com/spektra)




## PLASTIC CUTTING 'O' FLUTE

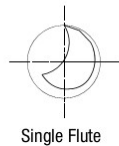
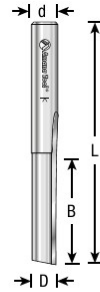
*Solid Carbide • Single 'O' Flute*

Unique circular 'O' flute designed to eject chips more easily. Single flute for fast cutting in soft plastics such as PVC, styrene, ABS, Poly (methyl methacrylate) (PMMA), etc. Visit [www.amanatool.com](http://www.amanatool.com) for full material cut list.

ØD	B	Ød	L	Tool No.
1/8	5/16	1/4	2	43501 <i>New</i>
1/8	1/2	1/8	2	43502† <i>New</i>
1/8	5/8	1/8	3	43503† <i>New</i>
1/8	1/2	1/4	2	43500
1/8	1/2	1/4	2	43500-K <i>New</i>
3/16	5/8	1/4	2	43504
3/16	5/8	1/4	2	43504-K <i>New</i>
1/4	3/4	1/4	2	43508
1/4	1	1/4	2-1/2	43512
3/8	7/8	3/8	2-1/2	43518 <i>New</i>

† Router collet reducer RB-102 (1/4 to 1/8) available for 1/8 shank bits.

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## PLASTIC EDGE ROUNDING

*Solid Carbide • Single 'O' Flute*

Designed for rounding the edge of sheets or parts.

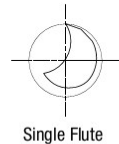
**Excellent For Cutting:**


- Plastic
- Acrylic
- Acrylic Stone
- Acrylonitrile Butadiene Styrene (ABS)
- Corian
- Coroplast®
- Fomex®
- Sign Foam
- Perspex® Cast Acrylic Sheet
- Poly (methyl methacrylate) (PMMA)

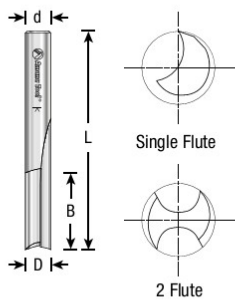
ØD	R	B	B1	Ød	L	Type	For Plastic Thickness	Tool No.
1/4	3/16	3/8	7/32	1/4	2-1/2	Straight	3/16	46452
1/4	1/4	3/8	9/32	1/4	2-1/2	Spiral	1/4	46466



Spiral Straight



 CNC feed and speed available online



## PLASTIC CUTTING STRAIGHT 'O' FLUTE HIGH SPEED STEEL (HSS)

High Speed Steel (HSS) • Single & 2 Flute

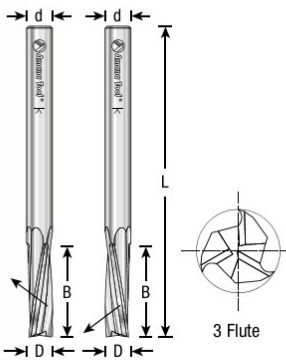
Provides smooth finish in plastics. Excellent for hand fed operations. May be used in air routers with guide bushing.



ØD	B	Flute	Ød	L	Tool No.
1/8	1/2	1	1/4	2	HSS1500
1/8	5/8	1	1/4	3-1/4	HSS1501
3/16	5/8	1	1/4	3-1/4	HSS1502
3/16	3/4	1	1/4	3-1/4	HSS1503
1/4	3/4	1	1/4	2-1/8	HSS1504
1/4	3/4	1	1/4	3-1/4	HSS1505
1/4	1	1	1/4	2-3/8	HSS1506
3/8	1	1	3/8	2-1/2	HSS1507
3/16	5/8	2	1/4	2	HSS1600
1/4	3/4	2	1/4	2-1/8	HSS1601
1/4	3/4	2	1/4	3-1/4	HSS1602
1/4	3/4	2	1/4	3-3/4	HSS1603
1/4	1	2	1/4	2-3/8	HSS1604
1/4	2	2	1/4	3-1/4	HSS1605
3/8	1	2	3/8	2-1/2	HSS1606
3/8	1	2	3/8	3-1/2	HSS1607

### Excellent For Cutting:

- Soft & Hard Plastics
- Acetal Styrene (ABS)
- Expanded Polystyrene Foam (EPS)
- Coroplast®
- Fomex®
- High Density Polyethylene (HDPE)
- Perspex® Cast Acrylic Sheet
- Polycarbonate
- Poly (methyl methacrylate) (PMMA)
- Polyethylene (PE)
- Polypropylene Extruded Acrylic
- Polystyrene
- PVC
- Sign Foam
- StarBoard® (King StarBoard 'R') High Density Polyethylene Sheet (HDPE)
- Ultra High Molecular Weight Polyethylene (UHMW)



## SPIRAL FINISHER

Solid Carbide • 3 Flute • Low Helix Up-Cut & Down-Cut

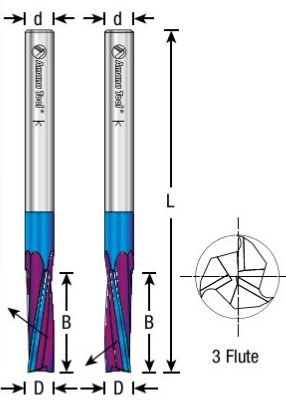
Leaves an extra high surface finish! Those seeking to move up to our 3 flute, low helix finisher will have improved surface finishes in either plastics or hardwoods. The unbeatable combination of three keen edges and a gentle 10° helix, equates to a stiffer tool that minimizes both part movement and edge burring, leaving a smooth finish.

### Excellent For Cutting:

- Plastic
- Acrylic Stone
- Acrylonitrile Butadiene Styrene (ABS)
- Composite Plastic
- Corian
- Coroplast®
- Foam
- Fomex®
- Hard Wood
- Sign Foam
- Solid Surface
- Soft Wood
- StarBoard® (King StarBoard 'R') High Density Polyethylene Sheet (HDPE)
- Perspex® Cast Acrylic Sheet
- Poly (methyl methacrylate) (PMMA)
- Precision Board



ØD	B	Ød	L	'Up-Cut' Tool No.	'Down-Cut' Tool No.
1/4	3/8	1/4	3	51630	51730
1/4	7/8	1/4	3	51631	51731
3/8	5/8	3/8	3	51632	51732
1/2	1-1/8	1/2	3-1/2	51637	51737



## SPEKTRA EXTREME TOOL LIFE COATING

### SPIRAL FINISHER **New**

Solid Carbide • 3 Flute • Low Helix Up-Cut & Down-Cut

Leaves an extra high surface finish! The Spektra™ nAco® nanocomposite micro-thin coating provides longevity and cutting results of the highest quality. For complete details and material cut list please visit Spektra™ visit [www.amanatool.com/spektra](http://www.amanatool.com/spektra)

ØD	B	Ød	L	'Up-Cut' Tool No.	'Down-Cut' Tool No.
1/4	7/8	1/4	3	51631-K	51731-K
3/8	1-1/8	3/8	3	51633-K	51733-K
1/2	1-1/8	1/2	3-1/2	51637-K	51737-K
1/2	1-5/8	1/2	4	51635-K	51735-K

## PLASTIC CUTTING SPIRAL BALL NOSE

*Solid Carbide • 2 & 4 Flute • Up-Cut*

Designed to eliminate tool marks that commonly appear when used with plastic and solid surface materials. Due to the highly polished finish and unique tool geometry, the spiral ball nose router bit delivers superior surface finish of at least 28 Ra (roughness average) in various materials. The up-cut router bits also eject chips up, to help prevent chip-out on the bottom of the material.

Constructed of special grade solid carbide, the Amana Tool® spiral ball nose router bits last longer than traditional router bits and deliver superior cutting performance with plastics. The bits are ideal for use in a variety of applications spanning the mechanical, medical and woodworking industries.

### Excellent For Cutting:

- Plastic
- Acrylic
- Acrylic Stone
- Acrylonitrile Butadiene Styrene (ABS)
- Aluminum
- Brass
- Copper
- Corian
- Coroplast®
- Fomex®
- Perspex® Cast Acrylic Sheet
- Plexiglas®
- Poly (methyl methacrylate) (PMMA)
- Sign Foam
- Solid Surface
- StarBoard® (King StarBoard 'R')
- High Density Polyethylene Sheet (HDPE)
- Wood



ØD	R	B	Ød	L	Flute	Tool No.
1/8	1/16	1/2	1/4	3	2	46385
3/16	3/32	1/2	1/4	2-1/2	2	46424
3/16	3/32	3/4	1/4	2	2	46425
3/16	3/32	3/4	1/4	3	2	46389
1/4	1/8	1/2	1/4	2-1/2	2	46426
1/4	1/8	7/8	1/4	2-1/2	2	46379
1/4	1/8	1	1/4	4	2	46451 ▲
1/4	1/8	1-1/8	1/4	3	2	46428
3/8	3/16	1-1/8	3/8	3	2	46381
1/2	1/4	1-1/8	1/2	3	2	46383
1/2	1/4	1-1/2	1/2	5	2	46459 ▲
1/4	1/8	1/2	1/4	3	4	46440
1/2	1/4	3/4	1/2	3	4	46446

▲ Warning: CNC use only.

### Metric Sizes

ØD	R	B	Ød	L	Flute	Tool No.
3mm	1.5mm	12mm	6mm	50mm	2	46453
4mm	2mm	12mm	4mm	50mm	2	46454
5mm	2.5mm	12mm	5mm	50mm	2	46455
6mm	3mm	22mm	6mm	63mm	2	46456
10mm	5mm	29mm	10mm	75mm	2	46457
12mm	6mm	29mm	12mm	75mm	2	46458



CNC feed and speed available online



## CNC PLASTIC CUTTING SPIRAL BALL NOSE

*Solid Carbide • 2 Flute • Up-Cut*

The Spektra™ nACo® nanocomposite micro-thin coating provides longevity and cutting results of the highest quality.

For complete details on Spektra™ visit [www.amanatool.com/spektra](http://www.amanatool.com/spektra)



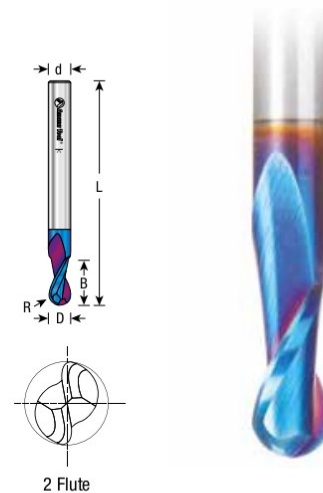
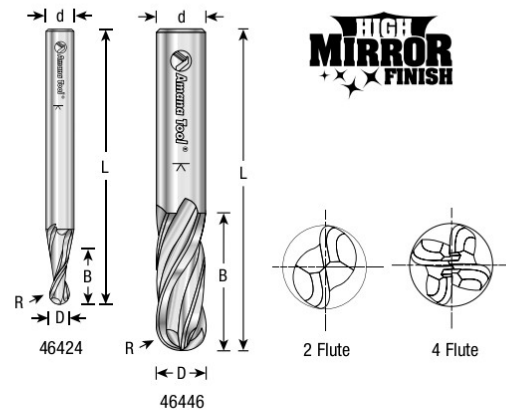
### Excellent For Cutting:

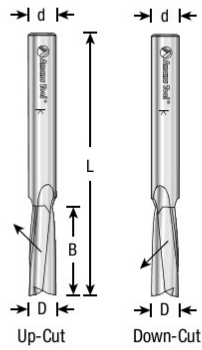
- Plastic
- Acrylic
- Acrylic Stone
- Acrylonitrile Butadiene Styrene (ABS)
- Corian
- Coroplast®
- Fomex®
- Perspex® Cast Acrylic Sheet
- Plexiglas®
- Poly (methyl methacrylate) (PMMA)
- Sign Foam
- Solid Surface
- StarBoard® (King StarBoard 'R')
- High Density Polyethylene Sheet (HDPE)
- Wood

ØD	R	B	Ød	L	Flute	Tool No.
3/16	3/32	1/2	1/4	2-1/2	2	46424-K
1/4	1/8	1/2	1/4	2-1/2	2	46426-K



CNC feed and speed available online





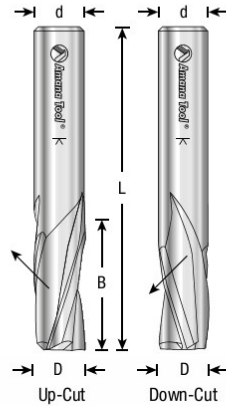
## ACRYLIC CUTTING SLOW SPIRAL 'O' FLUTE FINISHER

Solid Carbide • Up-Cut & Down-Cut • Single & 2 Flute

Provides smooth finish in acrylic materials, and both soft and hard plastics.



OD	B	Ød	L	Flute	'Up-Cut' Tool No.	'Down-Cut' Tool No.
1/4	3/4	1/4	2-1/2	1	46327	46427
1/4	3/4	1/4	2-1/2	2	46313	46413
1/4	1	1/4	2-1/2	2	46311	46411
1/2	1-1/4	1/2	3	2	46391	46492



## PLASTIC CUTTING SLOW SPIRAL FINISHER

Solid Carbide • 3 Flute • Up-Cut & Down-Cut

Specially designed to provide an excellent finish in hardwoods, solid surface and hard plastics. Choose 'Up-Cut' if an excellent finish on the bottom of surface is required, or 'Down-Cut' for an excellent finish on the top of surface.

HSS Plastic Drills  
See page 289



OD	B	Ød	L	'Up-Cut' Tool No.	'Down-Cut' Tool No.
3/8	1	3/8	2-1/2	—	46430
3/8	1	3/8	3	46330	46431
1/2	1	1/2	3	46332	46432
1/2	1-1/2	1/2	3-1/2	46334	46434

▲ Warning: Recommended RPM=20,000-21,000



## CNC PLASTIC TRIM SAW BLADE AND ARBOR SYSTEM

Carbide Tipped • Right Hand Rotation Cutting

Designed for trimming and grooving hard and soft plastics. 100% flash mounting.



OD	Kerf (B)	C	Teeth	Hook Angle	Ød	L	Tool No.
4	.095 (3/32)	1-1/8	20	0°	1/2	3-1/4	48200

Replacement Parts:

OD	Teeth	Hook	Kerf	Plate	Grind	Bore	Ød	L	Type	Tool No.
4	20	0°	3/32	1/16	TCG	5/8	-	-	Saw Blade	LB4201
1-1/4	-	-	-	-	-	1/2	3-1/4	-	CNC Arbor	47650

Replacement screw (4) - #67149 (3/8"x1/2"); Replacement key #5020 (M5x12).

CNC feed and speed available online



## PLASTIC CUTTING FLUSH TRIM

**Solid Carbide • 2 Flute with Double Ball Bearing**

Spiral designed for trimming sheets of stack plastics and laminates in hand-fed applications. Double bearing provides smoother action around contour of the template.

### Excellent for Cutting

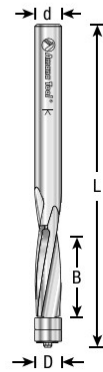
- Plastic
- Acrylic
- Acrylic Stone
- Acrylonitrile Butadiene Styrene (ABS)
- Corian
- Coroplast®
- Fomex®
- Poly (methyl methacrylate) (PMMA)
- Sign Foam
- StarBoard® (King StarBoard 'R')
- High Density Polyethylene Sheet (HDPE)



ØD	B	Ød	L	Tool No.
1/4	3/4	1/4	3	51436
1/2	1-1/8	1/2	4	51438

▲ **Warning:** Maximum RPM=35,000

Replacement parts #51436 Replacement parts #51438  
 #47779 Locking Ring #47752 Locking Ring  
 #47723 Ball Bearing (2) #47701 Ball Bearing (2)



**Mirror FINISH**



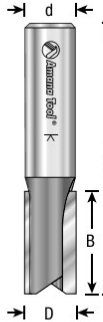
## PLASTIC CUTTING

**Carbide Tipped • Single & Double 'O' Flute**

For fast cutting in harder more abrasive plastics such as phenolic resin, acrylic, Corian, Poly (methyl methacrylate) (PMMA), Acrylic Stone, Coroplast® etc.



ØD	B	Ød	L	Flute	Tool No.
1/4	1	1/4	2-1/4	2	43304
3/8	1	3/8	2-1/2	1	43108



## 3°, 5° AND 7° PATTERNMAKERS

**Carbide Tipped • 2 Flute**

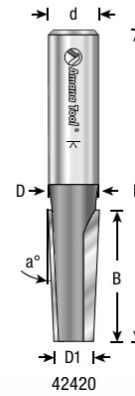
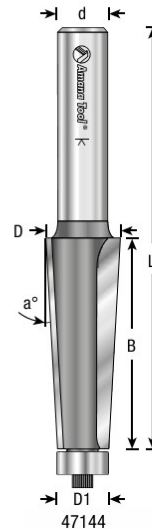
This slightly tapered bit is specifically designed for wood patternmaking, especially wood vacuum-forming molds where draft (3°, 5° and 7° taper) is required for releasing the styrene or other plastic from the mold. It can be used to bevel the leading edge on a door.



ØD	ØD1	a°	B	Ød	L	Tool No.
1/2	3/8	3°	1-1/4	1/2	3-1/8	42420
19/32	3/8	5°	1-1/4	1/2	3-5/32	42422
13/16	3/8	7°	1-1/4	1/2	3-5/32	42424
3/4	1/2	3°	2-1/8	1/2	4-5/8	47144 ▲

▲ **Warning:** Not for use in CNC machines.

Replacement bearing for #47144 use #47706.



Vacuum-forming mold (wooden)

## CNC PLASTIC CUTTING INSERT CARBIDE SYSTEM

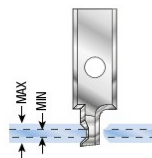
The most innovative time-saving system for cutting and chamfering in plastics.

### 1 Flute

Thirteen unique insert knife profiles produce smooth, chip-free cuts and last at least twice as long as comparable solid carbide bits.

These industrial quality knives allow the user to both cut & chamfer the top and bottoms of Plexiglas® or styrene sheets in one action. The knives fit the In-Groove™ tool bodies which are expertly balanced to provide superior cutting results.

For more information visit [www.amanatool.com/inplastic](http://www.amanatool.com/inplastic)



**In-Plastic™**  
CNC INSERT CUT & QUAD CHAMFER SYSTEM



## HIGH SPEED STEEL (HSS) *New* PLASTIC DRILLS

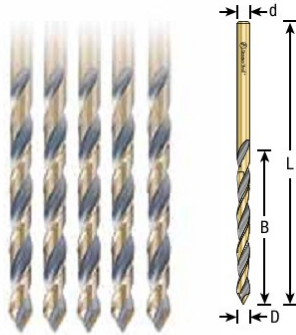
High Speed Steel (HSS) • 5 Pc. Packs

Drills designed to drill holes in hard and soft plastic. 60° drill tip.



Excellent For Drilling:

- Acrylic
- Acrylite®
- Lucite®
- Plexiglas®
- Hard and Soft Plastic

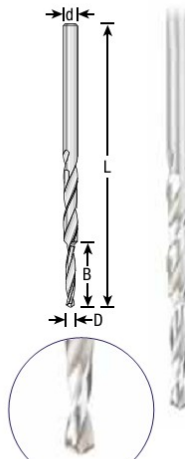


ØD & Ød	B	L	Per Pack	Tool No.
1/8	1-1/2	2-3/4	5	HSS1520
3/16	2-1/8	3-1/2	5	HSS1522
1/4	2-7/16	4	5	HSS1524

## HIGH SPEED STEEL (HSS) M2 DIN 338 FULLY GROUND STEP DRILLS

HSS • Slow Spiral

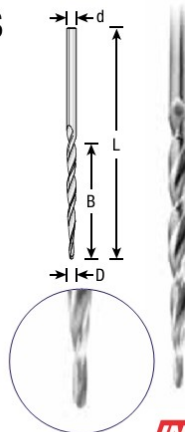
ØD	B	Ød	L	Tool No.
3/32	5/8	9/64	2-3/4	630-010
7/64	3/4	5/32	3	630-012
1/8	7/8	11/64	3-1/8	630-014
9/64	1	3/16	3-3/8	630-016



## HIGH SPEED STEEL (HSS) M2 DIN 338 FULLY GROUND DRILLS

HSS • Taper Point

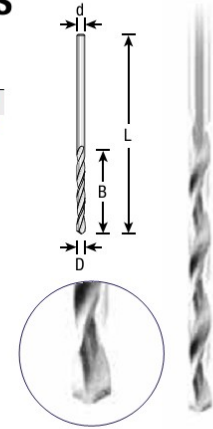
ØD & Ød	B	L	Tool No.
5/64	15/16	2-1/8	630-260
3/32	1-1/8	2-1/4	630-262
7/64	1-3/8	2-11/16	630-264
1/8	1-1/2	2-3/4	630-266
9/64	1-1/16	2-15/16	630-268
5/32	1-3/4	3-1/8	630-270
11/64	1-15/16	3-1/4	630-272
3/16	2	3-9/16	630-274
7/32	2-1/4	3-13/16	630-276
1/4	2-7/16	4	630-278



## HIGH SPEED STEEL (HSS) M2 DIN 338 FULLY GROUND DRILLS

HSS • Regular Flute

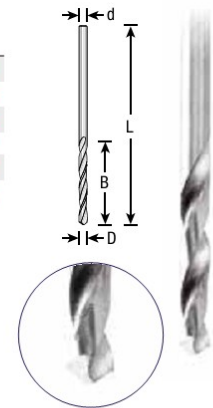
ØD & Ød	B	L	Tool No.
5/64	13/16	1-15/16	630-220
3/32	1	2-1/4	630-222



## HIGH SPEED STEEL (HSS) M2 DIN 1897 FULLY GROUND SHORT DRILLS

HSS • Regular Flute

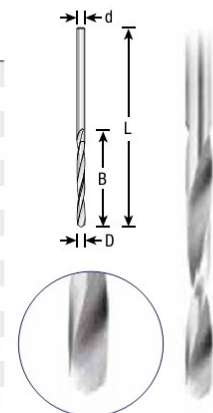
ØD & Ød	B	L	Tool No.
7/64	1/2	1-3/4	630-224
1/8	9/16	2	630-226
9/64	11/16	2-1/16	630-228
5/32	11/16	2-1/8	630-230
11/64	3/4	2-5/16	630-234
3/16	3/4	2-1/4	630-236

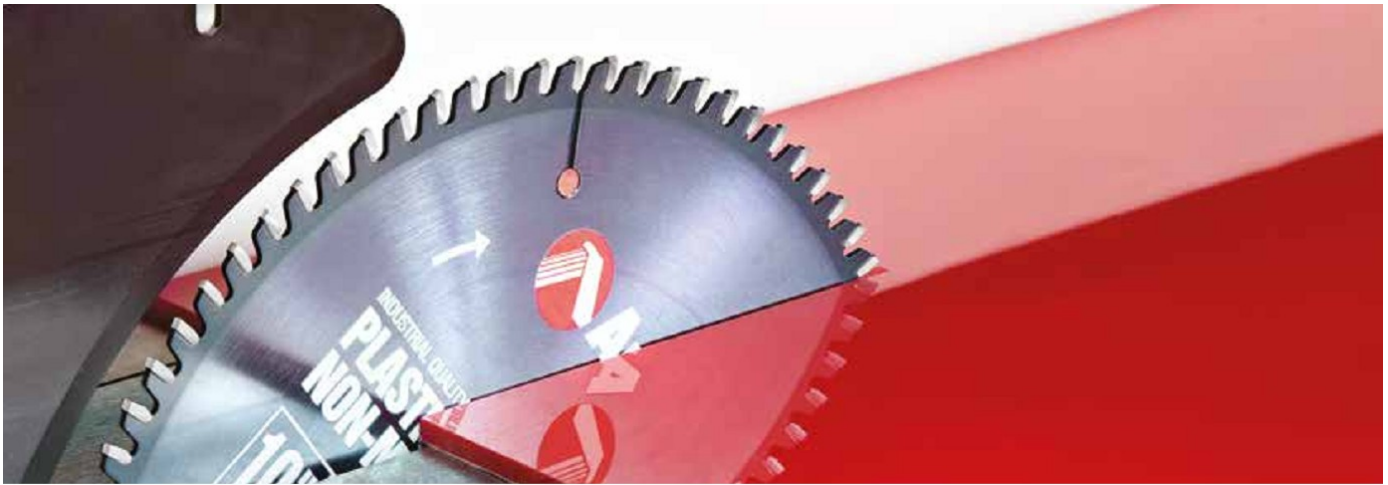


## HIGH SPEED STEEL (HSS) DIN 338 FULLY GROUND DRILLS

HSS • Slow Spiral

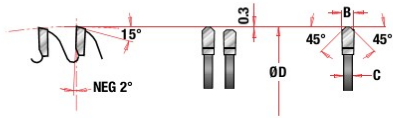
ØD & Ød	B	L	Tool No.
5/64	7/8	1-15/16	630-001
3/32	1	2-1/4	630-002
7/64	1-1/8	2-3/8	630-098
1/8	1-3/16	2-9/16	630-102
9/64	1-1/4	2-3/4	630-802
5/32	1-3/8	3	630-202
11/64	1-3/8	2-15/16	630-302
3/16	1-3/8	2-15/16	630-402
7/32	1-3/8	2-15/16	630-502
15/64	1	2-15/16	630-602
1/4	1-1/4	2-15/16	630-702
5/16	2-3/8	4-5/8	630-704
3/8	2-1/2	4-15/16	630-706
1/2	3-1/2	5-15/16	630-708





## NON-MELT

2° Negative Hook • Modified Triple Chip (MTC) Grind



When cutting acrylics and plastics, “chip-welding” – a melting of the material – is a concern. But not with these Non-Melt blades. With a modified triple-chip grind and a 2° negative hook angle, they produce less heat than a standard blade, leaving a crisp and smooth edge in acrylic sheets, corrugated polypropylene, HDPE, Lexan® Plexiglas® polycarbonates, Teflon® Coroplast® High Impact Polystyrene (HIPS), Low Density Polyethylene (LDPE), Thermoplastic Polyolefin (TPO), Polyethylene Terephthalate Glycol (PETG), plastic laminate flooring and other plastics.



Acrylic & Non-Melt Plastic

OD		Teeth	Grind	'B' Kerf	'C' Plate	Bore	*P.H.	Tool No.
Inch	mm							
8	200	64	MTC	.098	.070	5/8	—	LB86401
8	200	64	MTC	.098	.070	5/8	—	LB86401C*
—	220	64	MTC	.126	.079	30mm	2/7/42	LB220T641 †
10	250	80	MTC	.100	.070	5/8	—	LB10801
10	250	80	MTC	.100	.070	5/8	—	LB10801C*
10	250	80	MTC	.100	.070	30mm	2/7/42, 2/9/46 & 2/10/60	LB10801-30
12	300	96	MTC	.125	.102	1	—	LB12961
12	300	96	MTC	.125	.102	30mm	2/7/42, 2/9/46 & 2/10/60	LB12961-30
14	350	108	MTC	.145	.118	1	—	LB14108
16	400	120	MTC	.145	.118	1	—	LB16121

† For Holz-Her® 220mm panel saws.

\* Electro Blu™ Non-Stick Coating.



\* P.H. denotes pin-hole configuration, if applicable.

Example: 2/10/60 = 2 @ 10mm dia. on 60mm circle.

▲ **Warning:** Before use, read saw blade safety guidelines on pages 344-346.