



Amanatool[®]
INDUSTRIAL CUTTING TOOLS FOR WOOD & ADVANCED MATERIALS



#PR1040C **IN**

GENERAL PURPOSE

10" 4

5/8" BØ
 Max RPM 7





For 50+ years, Amana Tool® has been at the forefront of the cutting tool industry.

Amana Tool® is an industry leader specializing in industrial quality solid carbide, insert carbide and carbide-tipped cutting tools for the woodworking, plastics, aluminum, composite and metal industries. We provide many solutions for manufacturers, fabricators, display and cabinet professionals as well as hobbyists.

Combining the use of our fully automated precision machinery with the highest quality raw materials, technical know-how and ongoing research and development, we continue to provide cutting solutions for a great number of materials and various cutting industries. This has helped us meet the challenges of the vast array of new and different materials in our marketplace, such as but not limited to: aluminum/non-ferrous, ACM, MDF/HDF, solid surface, fiberglass, PVCs, acrylics, composites and other man-made materials.



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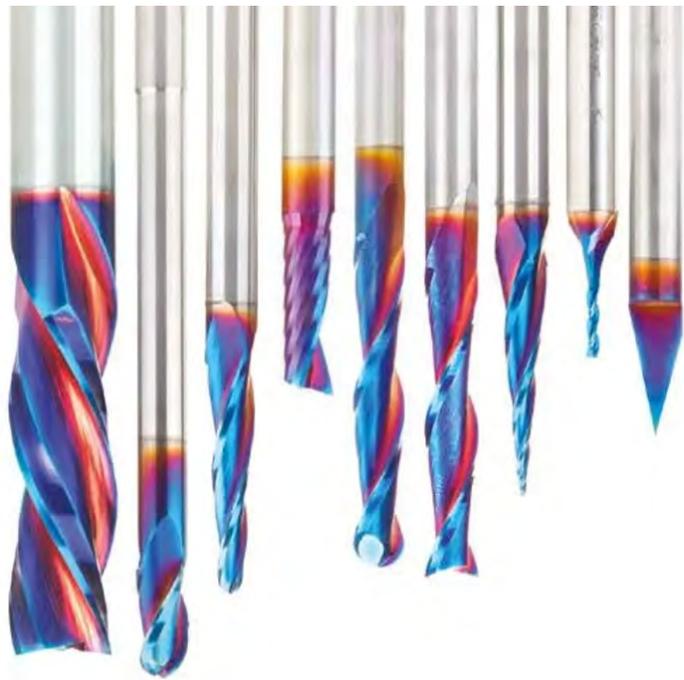
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THE
ORIGINAL
colorful
EXTREME
COATED CNC BITS



THE ONLY
 **SPEKTRA**TM
EXTREME TOOL LIFE COATING

WHY CHOOSE A SPEKTRATM COATED CNC ROUTER BIT

The original colorful solid carbide extreme coated Industrial SpektraTM router bits feature a micro-thin nAco ceramic coating that 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.

HARDER
CARBIDE

UP TO
2.5X
LONGER LIFE
COMPARED TO UNCOATED BITS



FLUSH TRIM TEMPLATE PLUNGE BITS

Carbide tipped. Available in miniature sizes featuring a 3/16" diameter upper ball bearing guide perfect for intricate pattern work

pg. 120



MINI DESIGN



PLASTIC & ALUMINUM SPIRAL 'O' FLUTE BITS

Solid carbide bits available in up & down-cut

Aluminum pg. 3 Plastic pg. 31



NO-MAR COUNTERSINKS

Carbide tipped countersinks leave a clean hole edge and the adjustable depth-stop doesn't mar the surface

pg. 282



2D/3D CARVING CNC ROUTER BITS

Solid carbide bits for sign making & 3D carving industries in MDF, plastics, non-ferrous metals, foam, wood and other materials

pg. 14



Designed for **MULTI-MATERIALS**

57-PC LED MASTER CNC ROUTER BIT COLLECTION

The most versatile collection of industrial quality router bits for all your CNC applications

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SPOILBOARD RESURFACING CNC INSERT CARBIDE BITS

Excellent solution for fast removal of materials over a large surface area

pg. 110

2+2 DESIGN



ALUMINUM



Spiral 'O' Flute
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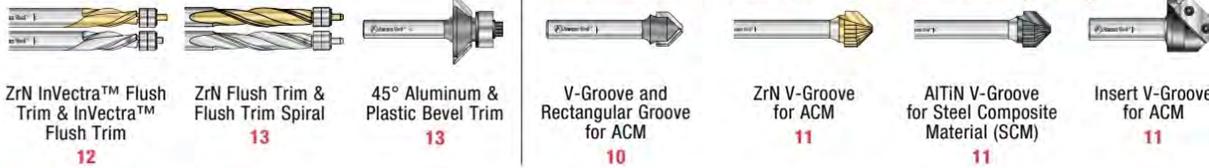
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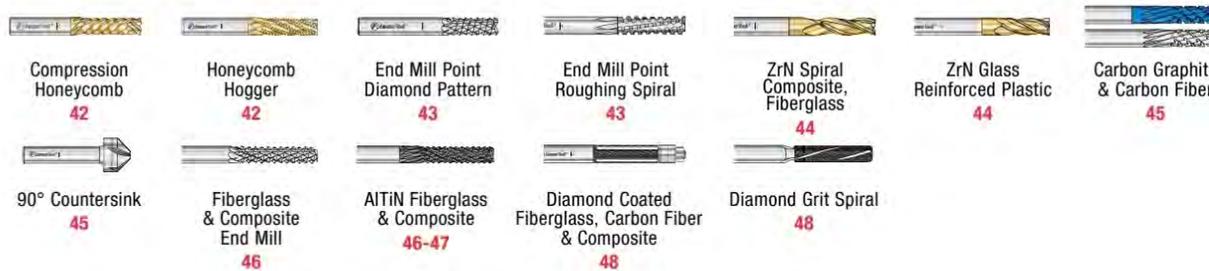
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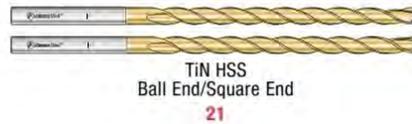
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DOORMAKING



FOAM



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**HARDER
CARBIDE**

UP TO
2.5X
LONGER LIFE
COMPARED TO UNCOATED BITS



THE ONLY
SPEKTRATM
EXTREME TOOL LIFE COATING



PLASTIC BITS
pg. 35-40



MDF / LAMINATE / WOOD BITS
pg. 96-103



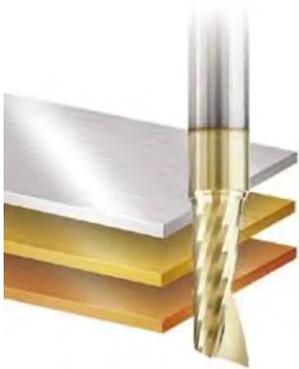
COMPOSITE BITS
pg. 41-49



2D/3D CARVING BITS
pg. 14-19

THE ULTIMATE CHOICE FOR **INDUSTRIAL** CNC CUTTING

Large Assortment of Router Bits for Today's Advanced Materials



Aluminum,
Brass & Copper
pg. 2



Plastic,
Plexiglas® / Lucite®
pg. 30



Composite, Fiberglass
& Honeycomb
pg. 41



Fine Engraving
pg. 64



V-Groove, Signmaking,
Lettering & Engraving
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Aluminum Composite
Material (ACM)
pg. 10



2D/3D
Carving
pg. 19



Foam & Expanded
Polystyrene (EPS)
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Stainless Steel
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pg. 22



Door Making
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Laminate, Melamine,
MDF & Wood
pg. 96 & 120



Insert Carbide
Spoilboard
pg. 110



Wood & Plywood
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Carbide Tipped
Countersinks
pg. 282



CNC Sets
pg. 71

INDUSTRIAL

Aluminum Cutting

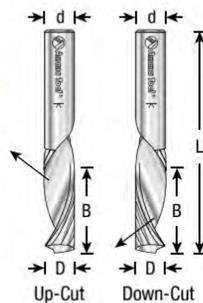
CNC Router Bits



CNC ALUMINUM CUTTING SPIRAL 'O' FLUTE

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

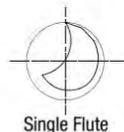
Using the highest quality carbide, these bits have a special proprietary edge processing system featuring a super high polished cutting edge with a unique "mirror finish". The results are clean cuts, less chance for chip re-welding, a superior surface finish and longer tool life.



Mirror FINISH

Benefits of Mirror Finish:

- 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.
1/16	1/4	1/8	1-1/2	51470 †** ⑤	51770 †
3/32	1/4	1/8	2	51472 †**	—
1/8	1/4	1/8	1-1/2	51471 †	51771 †
1/8	1/4	1/4	2	51474 ⑤	51772
1/8	5/16	1/8	1-1/2	51406 †	51506 †
1/8	5/16	1/4	1-1/2	51373 ⑤	—
1/8	1/2	1/8	2	51459 †	51501 †
1/8	1/2	1/4	2	51454 ⑤	51503
1/8	5/8	1/4	2-1/2	51482	—
1/8	3/4	1/4	2-1/2	51486 ⑤	—
5/32	5/16	3/16	2	51473	—
5/32	9/16	1/4	2	51840	—
3/16	3/8	3/16	1-1/2	51475	—
3/16	3/8	1/4	2	51477	51773
3/16	1/2	3/16	2	51374	—
3/16	1/2	1/4	2	51408 ⑤	51508
3/16	5/8	3/16	2	51375	—
3/16	5/8	1/4	2	51478 ⑤	51838
3/16	7/8	1/4	2-1/2	51456 ⑤	—
1/4	3/8	1/4	2	51479	51774
1/4	5/8	1/4	2	51402 ⑤	51502 ⑤
1/4	5/8	1/4	2-1/2	51401	—
1/4	3/4	1/4	2	51377 ⑤	—
1/4	3/4	1/4	2-1/2	51480 ⑤	51775
1/4	7/8	1/4	2-1/2	51458	—
1/4	1-1/4	1/4	3	51481 ⑤	51776
1/4	1-1/2	1/4	3	51476	—
9/32	5/8	1/4	2	51451	—
5/16	9/16	5/16	2-1/2	51642	—
5/16	3/4	1/2	3	51483	—
5/16	13/16	3/8	2-1/2	51842	—
11/32	9/16	3/8	2-1/2	51457	—
3/8	3/4	3/8	3	51484	—
3/8	7/8	3/8	2-1/2	51844	—
3/8	1	3/8	3	51378	—
3/8	1-1/8	3/8	3	51485	—
3/8	1-3/8	3/8	3-1/2	51643	—
1/2	1	1/2	3	51846	—
1/2	1-1/8	1/2	2-1/2	51379	—
1/2	1-1/8	1/2	3-1/2	51487	—
1/2	1-3/8	1/2	3-1/2	51644	—
1/2	1-5/8	1/2	3-1/2	51489 *	—

Sets

- 8-Pc. CNC Aluminum Cutting Router Bit Set (1/4" shank) **AMS-160**
- 18-Pc. CNC Advanced Aluminum Cutting Router Bit Set (1/4" shank) **AMS-162**

† Router collet reducer RB-102 (1/4 to 1/8) available for 1/8 shank bits.
 * Special point for improved bottom finish. ** Not guaranteed due to size.
 ⑤ = 5 packs available. For packs add -5, for example 51402-5.

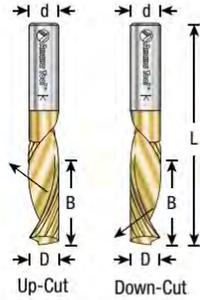
▲ **Warning:** Maximum RPM=35,000

CNC Sets for Aluminum
 visit amanatool.com

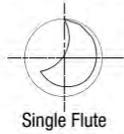


▲ **Warning:** Never attempt to cut ferrous metals with these bits. Inspect cut quality, adjust feed / speed accordingly. For optimal results and extended tool life use mist lubricant system or air cooling.

CNC feed and speed available online



**ZrN
COATED**



Benefits of ZrN Coating:

- Creates a harder and sharper cutting edge
- Allows for a prolonged cutting edge life
- Helps to prevent the build-up of material in the flutes while cutting
- High resistance to wear for faster speeds
- Less friction and heat buildup



CNC Sets for Aluminum
visit amanatool.com

#AMS-160-Z

**ZrN
COATED**

**Mirror
FINISH**



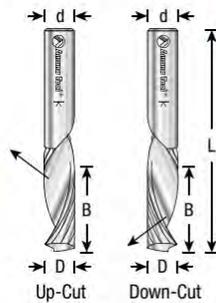
CNC ALUMINUM CUTTING SPIRAL 'O' FLUTE

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

Zirconium Nitride (ZrN) coated, solid carbide router bits engineered for clean cuts in aluminum and other non-ferrous metals. For full material cut list visit www.amanatool.com.

ØD	B	Ød	L	Up-Cut Tool No.	Down-Cut Tool No.
1/32	3/16	1/4	2	51376-Z**	—
1.5mm	4mm	3mm	30mm	—	51380-Z New
1/16	1/4	1/8	1-1/2	51470-Z †**⑤	—
1/16	1/4	1/4	1-1/2	—	51488-Z**
3/32	1/4	1/8	2	51472-Z †**	—
3/32	1/4	1/4	2	51372-Z**	—
1/8	1/4	1/8	1-1/2	51471-Z †	—
1/8	1/4	1/4	2	51474-Z ⑤	—
1/8	5/16	1/8	1-1/2	51406-Z †	51506-Z †
1/8	5/16	1/4	1-1/2	51373-Z ⑤	51777-Z
1/8	1/2	1/8	2	51459-Z †	—
1/8	1/2	1/4	2	51454-Z ⑤	51503-Z
1/8	5/8	1/4	2-1/2	51482-Z	—
1/8	3/4	1/4	2-1/2	51486-Z	51778-Z
3/16	3/8	1/4	2	51477-Z	—
3/16	1/2	1/4	2	51408-Z ⑤	51508-Z
3/16	5/8	1/4	2	51478-Z	51838-Z New
3/16	7/8	1/4	2-1/2	51456-Z	51779-Z
1/4	3/8	1/4	2	51479-Z	—
1/4	1/2	1/4	2	51810-Z	—
1/4	5/8	1/4	2	51402-Z ⑤	51502-Z
1/4	3/4	1/4	2	51377-Z ⑤	51786-Z
1/4	3/4	1/4	2-1/2	51480-Z	—
1/4	7/8	1/4	2-1/2	51458-Z	51775-Z
1/4	1-1/4	1/4	3	51481-Z	—
1/4	1-1/2	1/4	3	51476-Z	—
5/16	9/16	5/16	2-1/2	51642-Z	—
8mm	25mm	8mm	64mm	51498-Z New	—
3/8	3/4	3/8	3	51484-Z New	—

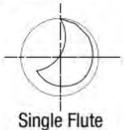
† Router collet reducer RB-102 (1/4 to 1/8) available for 1/8 shank bits. ** Not guaranteed due to size. ⑤ = 5 packs available. For packs add -5, for example 51402-Z-5. ⚠ **Warning:** Max RPM=35,000



**Mirror
FINISH**

Benefits of Mirror Finish:

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



METRIC CNC ALUMINUM CUTTING SPIRAL 'O' FLUTE

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

Metric sizes of the extremely popular solid carbide router bits engineered for clean cuts in aluminum and other non-ferrous metals. For full material cut list visit www.amanatool.com.

ØD	B	Ød	L	Up-Cut Tool No.	Down-Cut Tool No.
1.5mm	4mm	3mm	30mm	51370	—
2mm	6mm	6mm	64mm	57300	—
2.5mm	6mm	6mm	64mm	57301	—
3mm	8mm	3mm	30mm	51371	—
3mm	8mm	6mm	63mm	51490	—
3mm	12mm	6mm	50mm	—	57307
3mm	12mm	6mm	64mm	57302	—
4mm	8mm	4mm	66mm	57303	—
4mm	20mm	6mm	63mm	51492	—
5mm	16mm	6mm	63mm	51494	—
6mm	8mm	6mm	64mm	57304	—
6mm	20mm	6mm	64mm	51496	—
6mm	32mm	6mm	76mm	—	57308
8mm	25mm	8mm	64mm	51498	—
8mm	38mm	8mm	76mm	57305	—
10mm	30mm	10mm	76mm	57306	—





CNC ALUMINUM CUTTING SPIRAL 'O' FLUTE FOR IMPROVED SURFACE FINISH **New**

Solid Carbide • Single Flute • Up-Cut

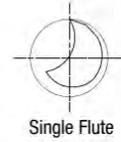
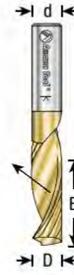
New special design for improved surface finish. Solid carbide router bits engineered for clean cuts in aluminum and other non-ferrous metals. For full material cut list visit www.amanatool.com.

ØD	B	Ød	L	Tool No.
1/16	3/16	1/8	1-1/2	57340-Z**
1/16	1/4	1/8	1-1/2	57350-Z**
1/8	1/4	1/4	2	57341-Z †
1/8	5/16	1/4	1-1/2	57346-Z †
1/8	1/2	1/4	2	57343-Z †
3/16	1/2	1/4	2	57353-Z
3/16	7/8	1/4	2-1/2	57347-Z
1/4	1/2	1/4	2	57342-Z
1/4	5/8	1/4	2	57344-Z
1/4	3/4	1/4	2	57348-Z

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

** Not guaranteed due to size.

▲ **Warning:** Maximum RPM=35,000



Single Flute



CNC ALUMINUM CUTTING SPIRAL 'O' DOUBLE FLUTE **New**

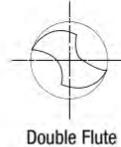
Solid Carbide • Double Flute • Up-Cut

Double flute design of the extremely popular solid carbide router bits engineered for clean cuts in aluminum and other non-ferrous metals. For full material cut list visit www.amanatool.com.

ØD	B	Ød	L	Flute	Tool No.
1/8	1/4	1/4	2	2	51850-Z †
1/8	1/2	1/4	2	2	51852-Z †
3/16	1/2	1/4	2	2	51854-Z
1/4	5/8	1/4	2	2	51856-Z

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

▲ **Warning:** Maximum RPM=35,000



Double Flute



CNC ALUMINUM CUTTING SPIRAL 'O' FLUTE BALL NOSE **New**

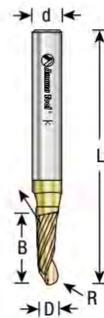
Solid Carbide • Single Flute • Up-Cut

Ball nose CNC router bits for creating 3D shapes, slopes, curves and rounded slots in aluminum using a CNC router. Using the highest quality carbide, these bits have a special proprietary edge processing system featuring a super high polished cutting edge with a unique "mirror finish". The result is clean cuts, less chance for chip re-welding, a superior surface finish and longer tool life. For full material cut list visit www.amanatool.com.

R	ØD	B	Ød	L	Tool No.
1/16	1/8	1/2	1/4	2	51876-Z
3/32	3/16	1/2	1/4	2	51878-Z
1/8	1/4	5/8	1/4	2	51880-Z
1/8	1/4	3/4	1/4	2	51882-Z

▲ **Warning:** Maximum RPM=35,000

▲ **Warning:** Never attempt to cut ferrous metals with aluminum cutting bits. Inspect cut quality, adjust feed / speed accordingly. For optimal results and extended tool life use mist lubricant system or air cooling.



CNC feed and speed available online



ALUMINUM CUTTING 'O' FLUTE - STRAIGHT GRIND

Solid Carbide • Single 'O' Flute • Straight Grind

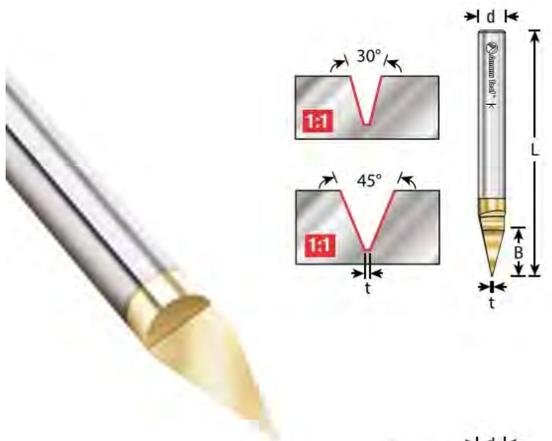
Combining "mirror-finish" fluting which insures the best of cutting edges possible in a solid carbide tool. With a strong, straight-fluted design, these aggressive 'O' flute tools will give longer tool life.

Excellent For Cutting:

- Aluminum
- Fomex® with Aluminum Face
- Wood



ØD	B	Ød	L	Tool No.
1/8	1/2	1/8	2	43530
1/8	13/16	1/4	2	43531 New
3/16	5/8	1/4	2	43532
1/4	3/4	1/4	2-1/2	43534
1/2	1	1/2	3	43539



ZrN
COATED

30° AND 45° ENGRAVING

1/4" Shank • Solid Carbide • Single Flute

For extra-fine carving and lettering details.

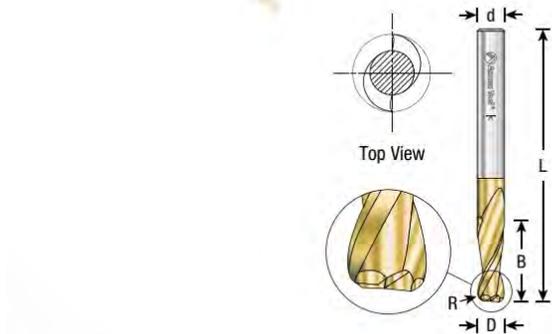
Excellent For Cutting:

- Aluminum
- Plastic
- Wood
- Solid Surface



a°	t = tip width	B	Ød	L	Tool No.
30°	0.005	0.440	1/4	2-1/4	45771-Z
45°	0.025	0.272	1/4	2	45622-Z

▲ **Warning:** Maximum RPM=28,000



ZrN
COATED

SPIRAL FLUTE PLUNGE WITH CORNER RADIUS

Solid Carbide • 2 Flute • Up-Cut

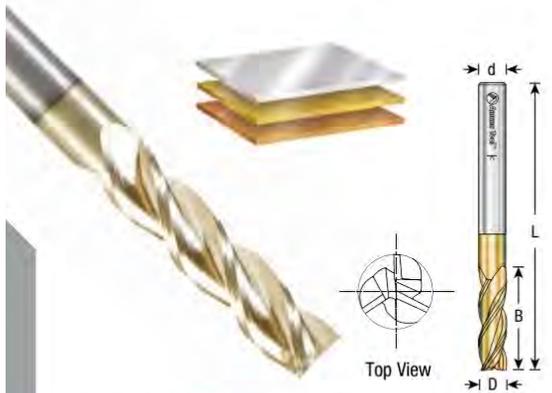
For carving, lettering, decorative doors and sign manufacturing. Leaves an excellent finish and expels chips quickly.

Excellent For Cutting:

- Aluminum
- MDF
- Soft/Hard Plastic
- Soft/Hardwood



ØD	R	B	Ød	L	Tool No.
1/4	1/16	3/4	1/4	2-1/2	46460-Z



ZrN
COATED

ALUMINUM CUTTING SQUARE END MILL **New**

Solid Carbide • 2 & 3 Flute • Up-Cut

Produces a super clean and extra smooth finish cut in aluminum and non-Ferrous metals.



ØD	B	Ød	L	Flutes	Tool No.
1/4	3/4	1/4	2-1/2	2	51624
1/8	1/2	1/8	1-1/2	3	51862-Z
3/16	3/4	3/16	2	3	51864-Z
1/4	3/4	1/4	2-1/2	3	51866-Z
3/8	7/8	3/8	2-1/2	3	51868-Z
1/2	1-1/4	1/2	3	3	51870-Z



SOFT ALUMINUM CUTTING

Solid Carbide • Single Flute • Up-Cut

Designed to cut soft grades of aluminum sheet, 3003 grade to achieve a satisfactory finished edge. Also good for cutting brass, bronze, copper, gold and silver.

ØD	B	Ød	L	Max RPM	Tool No.
3/16	1/4	1/4	2	28,000	51450
1/4	1/4	1/4	2	28,000	51452



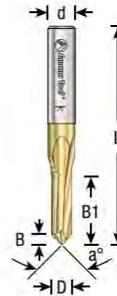
45°, 60° & 90° V-GROOVE & ENGRAVING

Solid Carbide • 2 & 3 Flute

Designed for beveling or V-Grooving 45°, 60° & 90°. For material cut list visit www.amanatool.com.



a°	ØD	B	B1	Ød	L	Flutes	Tool No.
45°	1/4	0.310	3/4	1/4	2-1/4	2	45613
60°	1/4	0.214	3/4	1/4	2-1/4	2	45615
90°	1/8	1/16	5/8	1/8	2	2	45608
90°	1/8	1/16	5/8	1/4	2-1/4	2	45609
90°	3/16	3/32	5/8	1/4	2-1/4	2	45610
90°	1/4	1/8	3/4	1/4	2-1/4	2	45612
90°	3/8	3/16	3/4	3/8	2-1/2	2	45614
90°	1/4	1/8	1/4	1/4	1-1/2	3	45626-Z



RADIUS & CHAMFER EDGE NON-FERROUS CUTTING END MILL

Solid Carbide • Single Flute • Up-Cut

Designed to route a finished appearance into aluminum, brass, copper & non-ferrous metals in one pass, the Amana end mills utilize the 'O' flute up-cut design for a super-clean finish. You can maximize your efficiency by routing in one single pass.

Excellent For Cutting:

- Aluminum
- Brass
- Copper
- Non-Ferrous Metals



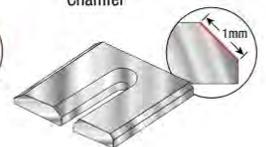
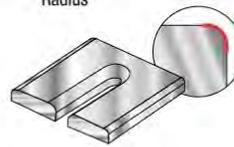
ØD	B	R	Ød	L	Type	Tool No.
3/16	3/32	3/64	1/4	2	Radius	51620
3/16	1/8	3/64	1/4	2	Radius	51622
3/16	3/32	—	1/4	2	Chamfer	51625
3/16	1/8	—	1/4	2	Chamfer	51627



Radius



Chamfer



ALUMINUM CUTTING 55° HELIX END MILLS New

Solid Carbide • 2 & 3 Flute

55° helix is the ideal geometry for superb finishing of aluminum & non-ferrous materials.



ØD	B	Ød	L	Flutes	Tool No.
1/8	1/2	1/8	1-1/2	2	51830
1/4	3/4	1/4	2-1/2	2	51832
5/16	3/4	5/16	2-1/2	2	51833
1/2	1	1/2	3	2	51835
3mm	15mm	6mm	75mm	3	51821
6mm	35mm	6mm	100mm	3	51823
8mm	45mm	8mm	100mm	3	51824
10mm	45mm	10mm	100mm	3	51820



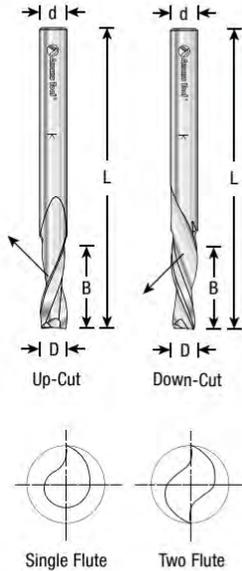
Two Flute



End mills with upgraded helix angles are desired when better surface finishes, reduced vibrations, enhanced chip removal and improved dimensional tolerances all take priority over material removal rates.



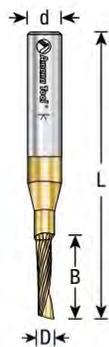
CNC feed and speed available online



Excellent For Cutting:

- 1 Flute Up-Cut:** Aluminum Plate and Natural Wood
- 1 Flute Down-Cut:** Aluminum Plate
- 2 Flute Up-Cut:** Aluminum Plate and Block
- 2 Flute Down-Cut:** Aluminum Extrusions and Natural Wood

For full material cut list visit www.amanatool.com



HIGH SPEED STEEL (HSS) ALUMINUM CUTTING

Up-Cut & Down-Cut

Up-cut tools provide clean finish on the bottom of the material that has been cut. Down-cut tools are recommended when chip removal is directed down to protect the finish of the top of the material that has been cut.

Single Flute: for routing materials where speed and easy chip removal are desired.

Double Flute: provides a smoother finish than single flute when grooving, slotting.



ØD	B	Ød	Flute	L	Up-Cut Tool No.	Down-Cut Tool No.
1/8	3/8	1/4	1	2-5/8	HSS1620	—
3/16	5/8	1/4	1	2-7/8	HSS1621	—
1/4	5/8	1/4	1	2-3/4	HSS1622	—
1/4	3/4	1/4	1	2-3/4	—	HSS1628
1/4	3/4	1/2	1	3-1/4	HSS1623	—
1/4	1	1/4	1	3	—	HSS1629
5/16	3/4	1/2	1	3-1/4	HSS1624	—
5/16	1	1/2	1	3-1/2	HSS1625	—
21/64	3/4	1/2	1	3-1/4	HSS1626	—
3/8	1	1/2	1	3-1/2	HSS1627	—
1/8	5/16	1/4	2	2-5/8	—	HSS1650
1/8	3/8	1/4	2	2-5/8	HSS1630	—
3/16	5/8	1/4	2	2-7/8	HSS1631	HSS1651
7/32	7/8	1/4	2	3	HSS1632	—
1/4	5/8	1/4	2	2-3/4	HSS1633	HSS1652
1/4	3/4	1/4	2	2-3/4	HSS1634	HSS1653
1/4	3/4	1/2	2	3-1/4	HSS1635	HSS1654
1/4	1	1/4	2	3	HSS1636	HSS1655
1/4	1	1/4	2	3-1/4	—	HSS1656
1/4	2-1/8	1/4	2	3-1/2	HSS1647 <i>New</i>	—
5/16	3/4	3/8	2	3	HSS1638	—
5/16	3/4	1/2	2	3-1/4	HSS1637	HSS1657
5/16	1	5/16	2	3	HSS1639	HSS1658
5/16	1	1/2	2	3-1/2	HSS1640	HSS1659
3/8	1	3/8	2	3	HSS1641	—
3/8	1	1/2	2	3-1/2	HSS1642	HSS1660
3/8	1-1/4	1/2	2	3-3/4	HSS1643	—
1/2	1-1/4	1/2	2	3-1/4	HSS1644	HSS1661
1/2	1-1/2	1/2	2	3-1/2	HSS1645	HSS1662
3/4	1-1/4	1/2	2	3-1/4	HSS1646	HSS1663

ZrN Coated *New*

ØD	B	Ød	Flute	L	Up-Cut Tool No.	Down-Cut Tool No.
1/8	3/8	1/4	1	2-5/8	HSS1620-Z	—
3/16	5/8	1/4	1	2-7/8	HSS1621-Z	—
1/4	5/8	1/4	1	2-3/4	HSS1622-Z	—
1/8	3/8	1/4	2	2-5/8	HSS1630-Z	—
1/4	3/4	1/4	2	2-3/4	HSS1634-Z	HSS1653-Z
1/4	1	1/4	2	3	HSS1636-Z	HSS1655-Z



HIGH SPEED STEEL (HSS) CNC ALUMINUM CUTTING SPIRAL 'O' FLUTE *New*

Single Flute • Up-Cut & Down-Cut

For full material cut list visit www.amanatool.com



ØD	B	Ød	L	Up-Cut Tool No.	Down-Cut Tool No.
1/16	1/4	1/8	1-1/2	HSS1712-Z	—
1/8	1/4	1/4	2	HSS1714-Z	—
1/8	1/2	1/4	2	HSS1716-Z	—
3/16	1/2	1/4	2	HSS1718-Z	—
1/4	5/8	1/4	2	HSS1720-Z	HSS1770-Z
1/4	3/4	1/4	2	HSS1722-Z	—

CNC NON-FERROUS FACE MILLING

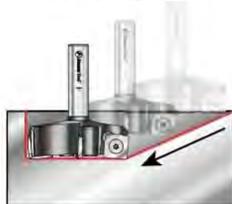
Insert Solid Carbide • 3 & 4 Flute

The replaceable tips end mill/router bit tool body made from alloy steel with solid carbide cutting inserts for maximum feed and stability are specially made for CNC and milling machines. Each solid carbide tip has four cutting rounded corners that can be rotated.



Excellent For Cutting:

- Aluminum
- Aluminum 5052
- Bronze
- Copper
- Fomex® with Aluminum Face



RAMPING DOWN

Cutting depth for each pass should not exceed 1/32"



Milling / Surfacing / Facing



Shouldering / Rabbeting



Slotting / Grooving



ØD	B	Ød	L	Max RPM	Flute	Repl. Knife	Tool No.
1-5/8	15mm	1/4	1-7/8	12,000	3	RCK-458	RC-3402 <i>New</i>
2-31/64	15mm	1/2	2-53/64	8,000	4	RCK-458	RC-3400

Maximum recommended material depth in one pass 1/32" (1.0mm).

CNC 4 FACET DRILLS

Solid Carbide • 118° Drill Point

4 facet jobber length fractional drills consist of two cutting edges with two facets per cutting edge.

The facets consist of the lip relief and the lip clearance angle. Amana's premium-grade carbide substrate insures increased tool life by a minimum factor of 10X over HSS coated bits, all while often eliminating the need for a prior center punch or spotting procedure.



Drill Press

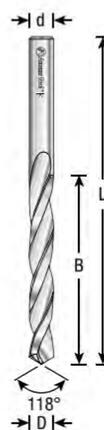
Excellent For Drilling:

- Aluminum
- Aluminum Alloy
- ACM
- Low & Medium Carbon Steels
- Medium Cast Irons
- Steels
- Soft & Medium Cast Irons
- Soft Titanium
- Titanium Alloys Hard Titanium
- For full material cut list visit www.amanatool.com

ØD	B	Ød	L	Tool No.
1/8	1-1/4	1/8	2-1/4	SCFD-100 †
5/32	1-3/8	5/32	2-1/2	SCFD-102
3/16	1-5/8	3/16	2-3/4	SCFD-104
7/32	1-3/4	7/32	3	SCFD-106
1/4	2	1/4	3-1/4	SCFD-108
5/16	2-3/8	5/16	4	SCFD-112
3/8	2-3/4	3/8	4-1/4	SCFD-116
1/2	3	1/2	4-3/4	SCFD-124
3/4	4	3/4	6	SCFD-128

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

More sizes and types (Letter, Number & Metric) available upon request.

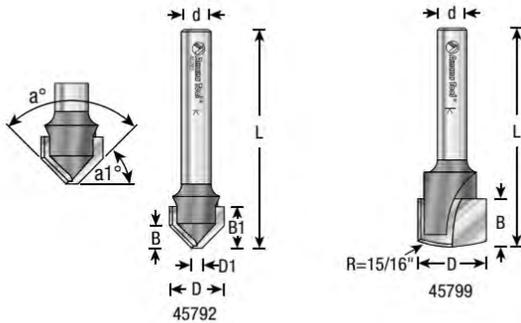


INDUSTRIAL

ACM

Aluminum Composite Material

Router Bits



ACM DOUBLE EDGE FOLDING

Carbide Tipped • V-Groove • 2 Flute

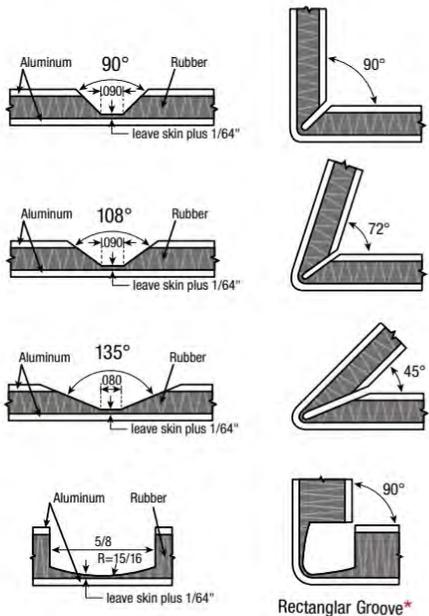


Designed for shaping Aluminum Composite (sandwich) Materials with 90°, 108°, 135°, and 155° angle V-grooves with flat bottom. Ideal for wall panel fabrication.

For Scoring Aluminum Composite Materials Including:

- Alucobond®
- Aluminum Composite Material (ACM)
- Aluminum Composite Panel (ACP)
- ALPOLIC® Copper Composite Material (CCM)
- Alupanel®
- Dibond®
- Durabond
- e-panel™
- Etalbond®

For full material cut list visit www.amanatool.com



a°	a1°	ØD	ØD1	B	B1	Ød	L	Tool No.
90°	45°	1/2	0.090 (2.3mm)	13/64	3/8	6mm	2	45792-M
90°	45°	1/2	0.090 (2.3mm)	13/64	3/8	1/4	2	45792
90°	45°	1/2	0.090 (2.3mm)	13/64	3/8	1/2	2	45794
90°	45°	3/4	0.118 (3.0mm)	5/16	17/32	1/4	2-1/8	45793
108°	36°	1/2	0.090 (2.3mm)	5/32	3/8	1/4	2	45795 ⑤
108°	36°	1/2	0.090 (2.3mm)	5/32	3/8	1/2	2-3/64	45797
108°	36°	1/2	0.090 (2.3mm)	5/32	3/8	1/2	3	45736
108°	36°	3/4	0.090 (2.3mm)	15/64	3/8	1/2	2-3/8	45735 <i>New</i>
135°	22.5°	3/4	0.078 (2.0mm)	9/64	1/2	1/4	2-1/4	45798
135°	22.5°	3/4	0.078 (2.0mm)	1/8	1/2	1/2	2-1/2	45791
155°	12.5°	3/4	0.118 (3.0mm)	1/8	1/2	1/2	2-1/2	45737
—	—	5/8	—	7/16	—	1/4	2	45799*

Sets

- Includes 45792, 45795 & 45798 (1/4 shank) **AMS-140**
- Includes 45794, 45797 & 45791 (1/2 shank) **AMS-147**



PCD Polycrystalline Diamond Tipped

Excellent cutting surfaces and extremely long life. Good for scoring above materials. Also optimal for panels with mineral core which may meet fire regulations.

a°	a1°	ØD	ØD1	B	B1	Ød	L	Tool No.
90°	45°	1/2	0.090 (2.3mm)	13/64	3/8	1/4	2	DRB-450

⑤ = 5 packs available. For packs add -5, for example 45795-5.

* For rectangular grooves in thicker material like Alucore®





ACM DOUBLE EDGE FOLDING

Carbide (Brazed to Steel Shank) V-Groove

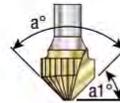
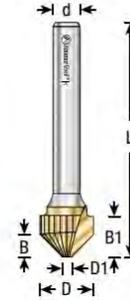


Designed For Scoring Aluminum Composite Materials (ACM).

Tools are manufactured with high balance, that allows them to run up to 60,000 RPM. Adjust your chip load and feed rate accordingly. See page 10 for cut illustrations.

For material cut list visit www.amanatool.com.

a°	a1°	ØD	ØD1	B	B1	Ød	L	Tool No.
90°	45°	1/2	0.090 (2.3mm)	13/64	3/8	1/4	2-1/8	45745
90°	45°	1/2	0.090 (2.3mm)	13/64	3/8	1/2	2-3/8	45747
108°	36°	1/2	0.090 (2.3mm)	5/32	3/8	1/4	2-1/8	45781
108°	36°	1/2	0.090 (2.3mm)	5/32	3/8	1/2	2-3/8	45785
135°	22.5°	3/4	0.078 (2.0mm)	1/8	1/2	1/4	2-1/4	45741
135°	22.5°	3/4	0.078 (2.0mm)	1/8	1/2	1/2	2-1/2	45743



Benefits of ZrN Coating:

- Creates a harder and tougher cutting edge
- Allows for a prolonged cutting edge life
- Helps to prevent the build-up of material in the flutes while cutting



AlTiN COATED BITS

SCM DOUBLE EDGE FOLDING

Carbide (Brazed to Steel Shank) V-Groove



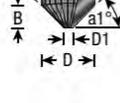
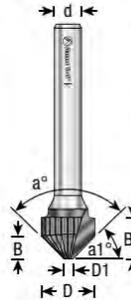
Special Amana-grade carbide provides much longer tool life especially compared to carbide tipped tooling.

For Scoring Steel and Titanium Composite Materials:

- Metal Composite Material (MCM)
- Titanium Composite Material (TCM)
- Steel Composite Material (SCM)

For full material cut list visit www.amanatool.com

a°	a1°	ØD	ØD1	B	B1	Ød	L	Tool No.
90°	45°	1/2	0.090 (2.3mm)	13/64	3/8	1/4	2-1/8	45762
90°	45°	1/2	0.090 (2.3mm)	13/64	3/8	1/2	2-3/8	45778
108°	36°	1/2	0.090 (2.3mm)	5/32	3/8	1/4	2-1/8	45749



Benefits of AlTiN Coating:

- Extra wear resistance
- Allows for faster feed & speed rates
- Cutting edge protected from wear
- Better chip evacuation
- Superior cut quality & extended tool life



See page 10 for cut illustrations.

CNC ACM DOUBLE EDGE FOLDING

Insert Carbide • V-Groove for Shaping Composite Material Panels

Special Amana-grade insert carbide provides much longer tool life especially compared to carbide tipped tooling.

For Scoring Aluminum Composite Materials Including:

- Aluminum, Clay, Zinc & Wood Composite Panels
- Alupanel®
- Phenolics
- Dibond®
- Plastic/Acrylic
- ACM
- Durabond
- Plexiglas®
- ACP
- e-panel™
- SCM
- CCM
- Etalbond®
- TCM
- Alucobond®
- PE and FR Cores
- Wood



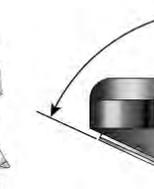
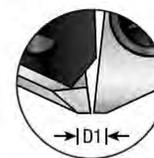
a°	a1°	ØD	ØD1	B	B1	Flute	Ød	L	Repl. Knives	Tool No.
90°	45°	1-1/2	0.090	45/64	1	1	1/2	3	RCK-442	RC-1172
110°	35°	1-47/64	2mm	37/64	1	1	1/2	3-5/32	RCK-444	RC-1175
90°	45°	43/64	0.090	19/64	—	2	1/4	2-9/32	RCK-456	RC-45716
90°	45°	43/64	0.090	19/64	—	2	1/2	2-9/32	RCK-456	RC-45714
130°	25°	2-1/8	3mm	15/32	1-7/64	2	1/2	3	RCK-446	RC-1177

Optional knives for RC-1175: General Purpose #RCK-119; MDF #RCK-352.

Optional knives for RC-1177: General Purpose #RCK-136; MDF #RCK-353.

Visit www.amanatool.com for technical details and a complete list of replacement parts.

See page 10 for cut illustrations.



ACM Sets & Packs
visit amanatool.com



#AMS-151

ACM Saw Blades
See page 332





INVECTRA™

With Invectra™ router bits, kitchen fabricators, remodelers and construction workers can perform any kind of cut and trim job in aluminum laminates.



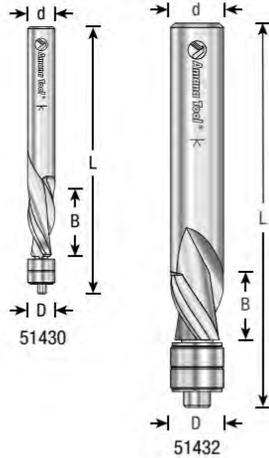
ALUMINUM LAMINATE TRIM

Solid Carbide Spiral • 2 Flute w/Ball Bearing Guide



Designed and tested for trimming all decorative aluminum laminates manufactured by Formica®, Advanced Technology Inc. (ATI™), DecoMetal® and many others.

Engineered from our exclusive carbide grade designed specifically for cutting both aluminum laminates and wood-based substrate materials. Each bit is fitted with a steel bearing guide that enables users to trim laminate materials flush, allowing you to perform any metal trim job to perfection! Not for use on steel and stainless steel.



ØD	B	Ød	L	Tool No.
1/4	5/8	1/4	2-1/2	51430* ▲ ₂₈ ⑤
1/2	5/8	1/2	3-1/2	51432* ▲ ₁₄

#51430 Replacement bearing #47723 (2), lock ring #47779.

#51432 Replacement bearing #47701 (2), lock ring #47752, replacement washer #67053.

* Except material: Formica® #2178

▲ Warning: Maximum RPM ▲₁₄ = 14,000; ▲₂₈ = 28,000

⑤ = 5 packs available. For packs add -5, for example 51430-5.

ZrN COATED

ALUMINUM LAMINATE TRIM *New*

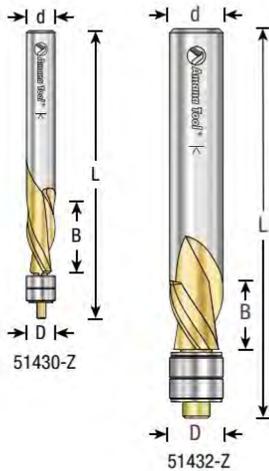
Solid Carbide Spiral • 2 Flute w/Ball Bearing Guide



Zirconium Nitride (ZrN) coating creates a harder and tougher cutting ceramic over carbide edge, allowing for a prolonged cutting edge life and helps to prevent the build-up/galling of material in the flutes while cutting.

Designed and tested for trimming all decorative aluminum laminates manufactured by Formica®, Advanced Technology Inc. (ATI™), DecoMetal® and many others.

Engineered from our exclusive carbide grade designed specifically for cutting both aluminum laminates and wood-based substrate materials. Each bit is fitted with a steel bearing guide that enables users to trim laminate materials flush, allowing you to perform any metal trim job to perfection! Not for use on steel and stainless steel.



51432-Z

ØD	B	Ød	L	Tool No.
1/4	5/8	1/4	2-1/2	51430-Z* ▲ ₂₈
1/2	5/8	1/2	3-1/2	51432-Z* ▲ ₁₄

#51430-Z Replacement bearing #47723 (2), lock ring #47779.

#51432-Z Replacement bearing #47701 (2), lock ring #47752, replacement washer #67053.

* Except material: Formica® #2178

▲ Warning: Maximum RPM ▲₁₄ = 14,000; ▲₂₈ = 28,000

ALUMINUM CUTTING FLUSH TRIM SPIRAL

Solid Carbide • 2 Flute with Ball Bearing Guide • Up & Down-Cut

This flush trim router bit was designed to eject chips up for clean cuts in aluminum and ACM materials. Perfect for routing aluminum using a template. Features a special carbide grade to perform high-quality cuts in aluminum.

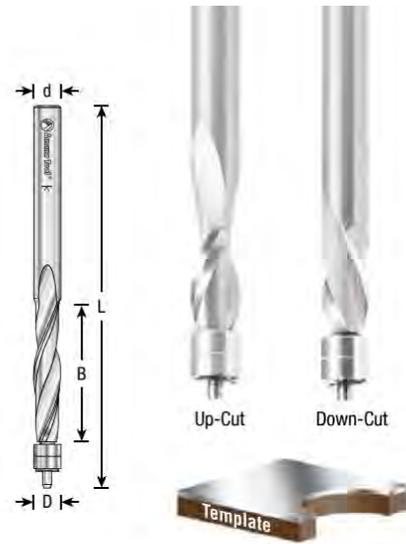
Excellent For Cutting:

- Aluminum
- Aluminum Composite Materials (ACM)
- MDF
- Wood



ØD	B	Ød	L	'Up-Cut' Tool No.	'Down-Cut' Tool No.
1/4	1/2	1/4	3	51422	51522
1/4	1-1/4	1/4	3-1/2	51420	51520

Replacement parts: Bearing #47723 (2); Snap Ring #47779.



Solid Carbide • 2 Flute with Ball Bearing Guide • Up & Down-Cut **New**

Zirconium Nitride (ZrN) coating creates a harder and tougher cutting ceramic over carbide edge, allowing for a prolonged cutting edge life and helps to prevent the build-up/galling of material in the flutes while cutting.

This flush trim router bit was designed to eject chips up for clean cuts in aluminum and ACM materials. Perfect for routing aluminum using a template. Features a special carbide grade to perform high-quality cuts in aluminum.

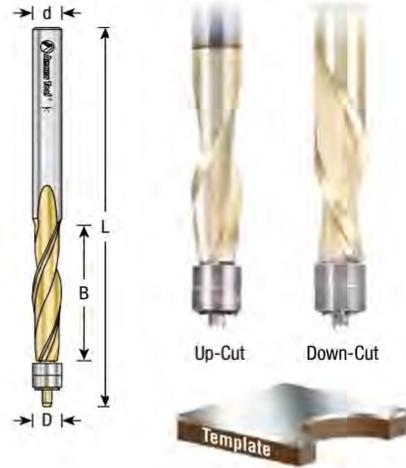
Excellent For Cutting:

- Aluminum
- Aluminum Composite Materials (ACM)
- MDF
- Wood



ØD	B	Ød	L	'Up-Cut' Tool No.	'Down-Cut' Tool No.
1/4	1/2	1/4	3	51422-Z	51522-Z
1/4	1-1/4	1/4	3-1/2	51420-Z	51520-Z

Replacement parts: Bearing #47723 (2); Snap Ring #47779.



45° ALUMINUM & PLASTIC CUTTING BEVEL TRIM

Carbide Tipped • 2 Flute

For bevel trimming in aluminum and plastic with a standard router. The solid construction reduces vibration for the smoothest cut possible with a two flute bit.

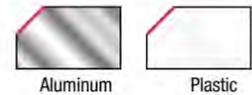
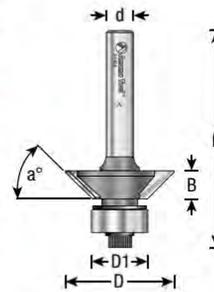


ØD	D1	a°	B	Ød	L	Tool No.
31/32	1/2	45°	1/4	1/4	1-15/16	51434
31/32	1/2	45°	1/4	1/4	1-15/16	51434-DLC*

* Diamond-Like Carbon (DLC) is a low-friction coating for aluminum and aluminum alloys with a longer tool edge life.

Replacement bearing #47706.

Note: Start at 12,000 RPM, inspect result, and increase the speed for a better surface, if necessary.



51434-DLC



INDUSTRIAL

2D/3D Carving CNC Router Bits

Solid Carbide • 2, 3 & 4 Flute • Up-Cut

The perfect bit for 2D and 3D CNC profiling and carving with CNC machines.

Provides smooth 2D and 3D contours with reduced stepping while the optimized flute geometry and low Total Indicated Runout (TIR) guarantees clean cuts, essentially eliminates sanding and reduces chatter. The high flute volume supports high feed rates and chip loads while the high aspect ratio is excellent for single pass, deep-reach cutting. Manufactured with high balance which allows tools to be run up to 60,000 RPMs. Zirconium Nitride (ZrN) coated.

Adjust your chip load and feed rate accordingly.

Applications:

- Precision 2D & 3D large scale carving
- Dimensional signage & 3D millwork
- 2D/3D contouring, profiling, modeling & pattern making
- Cabinetry, furniture making
- Jewelry mold making



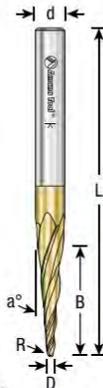
**ZrN
COATED**

Benefits of ZrN Coating:

- Creates a harder and sharper cutting edge
- Allows for a prolonged cutting edge life
- Helps to prevent the build-up of material in the flutes while cutting
- High resistance to wear for faster speeds
- Less friction and heat buildup

Excellent For Cutting:

- Acrylic and HDPE
- Aluminum, Brass, Copper & Non-Ferrous Materials
- Composite
- Foam
- High Density Urethane (HDU)
- MDF/HDF
- Phenolics
- Sign Board
- Wood
- For full material cut list visit www.amanatool.com



ØD	B	a°	R	Flute	Ød	L	Uncoated Tool No.	ZrN Coated Tool No.
1mm	1-7/64	5.4°	0.5mm	2	1/4	2-23/64	—	46256
1/16	1	5.5°	1/32	2	1/4	2-1/4	—	46252-S
1/16	1	5.5°	1/32	2	1/4	2-23/64	—	46252
1/4	1	0.10°	1/8	2	1/4	2-1/4	—	46294-S
1/4	1-1/2	0.10°	1/8	2	1/4	3	46294-U	46294 (5)
1/4	1-3/8	5°	1/8	2	1/2	4	—	46285
1/4	2	3°	1/8	2	1/2	4	—	46283
1/32	0.445	6.2°	1/64	3	1/8	3	—	46291†
1/32	1	6.2°	1/64	3	1/4	2-1/4	—	46280-S (5)
1/32	1	6.2°	1/64	3	1/4	3	46280-U	46280
1/16	1-1/2	3.6°	1/32	3	1/4	3	—	46281
1/8	1/2	7°	1/16	3	1/4	3	—	46288
1/8	3/4	5°	1/16	3	1/4	3	—	46287
1/8	1	3.6°	1/16	3	1/4	2-1/4	—	46286-S (5)
1/8	1	3.6°	1/16	3	1/4	3	46286-U	46286 (5)
1/8	1-1/2	0.10°	1/16	3	1/8	3	—	46295† (5)
1/8	1-1/2	1°	1/16	3	1/4	3	—	46284 (5)
3/16	1	1°	3/32	3	1/4	3	—	46298 (5)
3/8	2-1/4	0.10°	3/16	3	3/8	4	—	46494
1/2	2-1/4	0.10°	1/4	3	1/2	4	—	46495
1/16	0.362	5.4°	1/32	4	1/8	3	—	46293†
1/16	1	5.4°	1/32	4	1/4	3	46282-U	46282 (5)
1/16	1-1/2	5.4°	1/32	4	3/8	3-1/2	—	46582
1/8	1	3.6°	1/16	4	1/4	3	—	46583
1/4	1	0.10°	1/8	4	1/4	3	—	46584

Sets

Includes 46282, 46284 & 46294	AMS-142
Includes 46280, 46282 & 46286	AMS-144
Includes 46290, 46292, 46284 & 46288	AMS-141
Includes 46280, 46282, 46286 & 46294	AMS-148

Additional sets available www.amanatool.com

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

(5) = 5 packs available. For packs add -5, for example 46294-5.

CNC ZrN Sets
visit amanatool.com



#AMS-141



CNC 2D/3D CARVING TAPERED AND STRAIGHT FLAT BOTTOM



Solid Carbide • Flat Bottom • 2, 3 & 4 Flute • Up-Cut

High-shear flat bottom tips cut smooth 2D and 3D contours with reduced stepping. Designed for use in the signmaking & 2D/3D Carving industries in MDF, Plastics, Bronze, Copper, Aluminum, Foam, Wood and other materials. The simultaneous 3-axis motion with the appropriate software allows full 3D capability that provides sign and 3D model makers the ability to work with most materials.

For full material cut list visit www.amanatool.com.

ØD	B	a°	Flute	Ød	L	Uncoated Tool No.	ZrN Coated Tool No.
1/8	15/32	0.10°	2	1/4	2-23/64	—	46254
1/4	1-1/2	0.10°	2	1/4	3	—	46577
1/32	0.445	6.2°	3	1/8	3	—	46571 †
1/32	1	6.2°	3	1/4	3	—	46570
1/16	5/16	0.10°	3	1/4	2	46290-U	46290 ⑤
1/8	1/2	7°	3	1/4	3	—	46576
1/8	1	3.6°	3	1/4	3	—	46573
1/8	1-1/2	0.10°	3	1/8	3	—	46299
1/8	1-1/2	1°	3	1/4	3	—	46574
3/16	1	1°	3	1/4	3	—	46575
1/4	3/4	0.10°	3	1/4	2-1/2	—	46578
3/8	1-3/4	0.10°	3	3/8	3	—	46597
1/2	2-1/4	0.10°	3	1/2	4	—	46579
1/16	1	5.4°	4	1/4	3	—	46572
1/8	1-3/32	0.10°	4	1/4	2-1/2	46292-U	46292 ⑤

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

⑤ = 5 packs available. For packs add -5, for example 46290-5.



Excellent For Cutting:

- Acrylic and HDPE
- Aluminum, Brass, Copper & Non-Ferrous Materials
- Composite
- Foam
- High Density Urethane (HDU)
- MDF/HDF
- Phenolics
- Sign Board
- Wood
- For full material cut list visit www.amanatool.com



METRIC CNC 2D/3D CARVING TAPERED AND STRAIGHT



Designed for use in the signmaking & 2D/3D Carving industries in MDF, plastics, bronze, copper, aluminum, foam, wood and other materials. The simultaneous 3-axis motion with the appropriate software allows full 3D capability that provides sign and 3D model makers the ability to work with most materials.

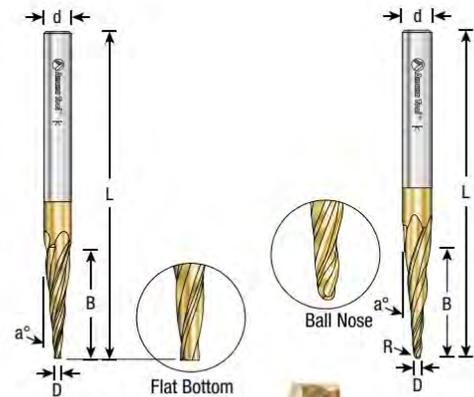
Solid Carbide • Ball Nose (Conical Ball) • Up-Cut

ØD	B	a°	R	Flute	Ød	L	Tool No.
6.0mm	38mm	0.10°	3.0mm	2	6mm	75mm	46479
0.5mm	26.5mm	6.2°	0.25mm	3	6mm	75mm	46473
0.8mm	25mm	6.2°	0.40mm	3	6mm	75mm	46470
1mm	3mm	0.10°	.019	3	1/8	1-1/2	46471
3.2mm	38mm	1°	1.6mm	3	6mm	75mm	46474
1.5mm	25mm	5.4°	0.75mm	4	6mm	75mm	46472

Solid Carbide • Flat Bottom (Square End) • Up-Cut

ØD	B	a°	Flute	Ød	L	Tool No.
6mm	38mm	0.10°	2	6mm	75mm	46585
1mm	3mm	0.10°	3	1/8	1-1/2	46581 †

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



CNC feed and speed available online





CNC EXTRA-LONG REACH 2D/3D CARVING FLAT BOTTOM AND BALL NOSE

Solid Carbide with Reduced Shank • 3 Flute • Up-Cut

Extra-long reduced shank section for deeper reach and better chip clearance.

The industrial router bits can be used in signmaking & 3D carving industries in MDF, plastics, bronze, copper, aluminum, foam, wood and other materials. The simultaneous 3-axis motion with the appropriate software allows full 3D capability that provides sign and 3D model makers the ability to work with most materials.

Excellent For Cutting:

- Acrylic and HDPE
- Aluminum, Brass, Copper & Non-Ferrous Materials
- Composite
- Foam
- High Density Urethane (HDU)
- MDF/HDF
- Phenolics
- Sign Board
- Wood
- For full material cut list visit www.amanatool.com



Ball Nose (Conical Ball)

ØD	B	a°	R	Ød	Ød1	L	L1	Tool No.
1/4	1/2	0.10°	1/8	1/4	15/64 (.235)	4	1-1/4	46490
3/8	3/4	0.10°	3/16	3/8	23/64 (.352)	4	1-1/4	46491
1/2	1	0.10°	1/4	1/2	15/32 (.470)	6	1-1/4	46493
1/2	1-1/4	0.10°	1/4	1/2	15/32 (.470)	7	2	46496

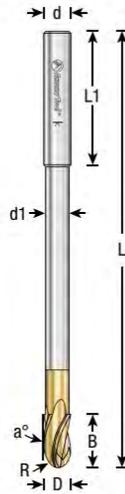
ØD	B	a°	R	Ød	Ød1	L	L1	Tool No.
1/4	1/2	0.10°	1/8	1/4	15/64 (.235)	4	1-1/4	46490-K New

Flat Bottom (Square End)

ØD	B	a°	Ød	Ød1	L	L1	Tool No.
1/4	1/2	0.10°	1/4	15/64 (.235)	4	1-1/4	46590
3/8	3/4	0.10°	3/8	23/64 (.352)	4	1-1/4	46591
1/2	1	0.10°	1/2	15/32 (.470)	6	1-1/4	46593
1/2	1-1/4	0.10°	1/2	15/32 (.470)	7	2	46596

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

- Do not use Spektra™ bits on aluminum and non-ferrous materials. Spektra™ nACo® nano composite micro-thin coating provides longevity and cutting results of the highest quality. Details on Spektra™ visit www.amanatool.com/spektra





CNC 2D/3D CARVING HIGH SPEED STEEL (HSS) TAPERED AND STRAIGHT

High Speed Steel (HSS) • 3 & 4 Flute • Up-Cut



Specially designed for 2D/3D CNC profiling and carving in plastic, aluminum & wood with CNC machines. High-shear ball nose tips cut smooth 2D and 3D contours with reduced stepping. ZrN Coated.

3D Bits Excellent For Cutting:

- Composite
- Phenolics
- Corian
- Sign Board
- Foam
- Wood
- MDF/HDF
- For full material cut list visit www.amanatool.com

Applications:

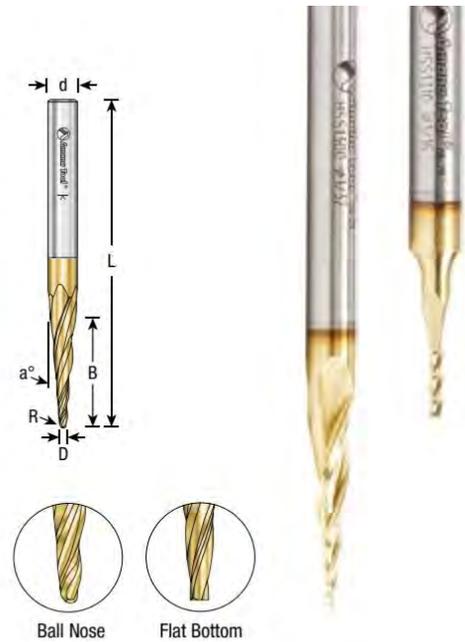
- A perfect router bit for 3D carving
- Precision 2D and 3D large scale carving
- Dimensional signage & 3D millwork
- 2D/3D contouring, profiling, modeling & pattern making
- Cabinetry, furniture making
- Jewelry mold making

Ball Nose

ØD	B	a°	R	Flute	Ød	L	Tool No.
0.5mm	26mm	5.8°	0.25mm	3	6mm	76mm	HSS1298-M <i>New</i>
1/32	1	6.2°	1/64	3	1/4	3	HSS1300
1.5mm	26mm	5.1°	0.75mm	3	6mm	76mm	HSS1303-M <i>New</i>
3mm	26mm	3.5°	1.5mm	3	6mm	76mm	HSS1304-M <i>New</i>
1/8	1	3.6°	1/16	3	1/4	3	HSS1304
1/8	1-1/2	1°	1/16	3	1/4	3	HSS1306
1/16	1	5.4°	1/32	4	1/4	3	HSS1302

Flat Bottom (Square End)

ØD	B	a°	Flute	Ød	L	Tool No.
1/16	5/16	0.10°	3	1/4	2	HSS1310
1/8	1-3/32	0.10°	4	1/4	2-1/2	HSS1312



8-PC CNC 2D/3D CARVING

Solid Carbide Spiral Ball Nose and Flat Bottom Router Bit Collection

Designed for 2D and 3D CNC profiling and carving.

3D Bits Excellent For Cutting:

- Composite
- Phenolics
- Corian
- Sign Board
- Foam
- Wood
- MDF/HDF
- For full material cut list visit www.amanatool.com



Set #AMS-136 Includes:

46280, 46282, 46284, 46286, 46288, 46294, 46290 & 46292

THE
ORIGINAL
colorful
EXTREME
COATED CNC BITS



THE ONLY

SPEKTRATM
EXTREME TOOL LIFE COATING

UP TO
2.5X
LONGER LIFE
COMPARED TO UNCOATED BITS

Amana Tool® solid carbide router bits provide consistent, repeatable quality. Each tool is guaranteed to match the geometry on the prints, every time, on every order. Best control of carbide grades for woodworking, and absolute control of quality standards on all carbide blanks.

Special unique carbide grade, increased clearance geometry and razor-sharp cutting edges with polished flutes provide a superior finish and longer tool life especially in abrasive materials. Great for production settings and excellent for creating grooves and dado cuts in particleboard, plywood and laminate. Primarily used on CNC machines and other automatic routers. Can be used with handheld and table-mounted portable routers.

Benefits of Spektra™ Coating:

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.

**HARDER
CARBIDE**

- Provides longevity and produces cutting results of the highest quality
- Prevents high heat and oxidation
- Impressive solid hardness on cutting areas
- Increased longevity up to 2.5 times compared to uncoated bits



INDUSTRIAL

2D/3D Carving

CNC Router Bits



CNC 2D/3D CARVING TAPERED BALL NOSE

Solid Carbide • 2, 3 & 4 Flute • Up-Cut

Specially designed for 2D and 3D CNC profiling and carving in plastic & wood with CNC machines. The high-shear ball nose tips cut smooth 2D and 3D contours with reduced stepping while the proprietary Spektra™ coating (applied by the physical vapor deposition coating process) provides high resistance to wear sharper cutting edges extended tool life and less friction & heat buildup.

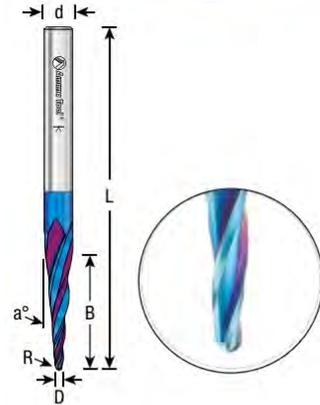
ØD	B	a°	R	Flute	Ød	L	Tool No.
1/4	1/2	0.10°	1/8	2	1/4	3	46294-K (5)
0.5mm	19mm	3.7°	0.25mm	3	3mm	75mm	48418-K-M <i>New</i>
1/32	1	6.2°	1/64	3	1/4	3	46280-K (5)
1.5mm	26mm	5.0°	0.75mm	3	6mm	75mm	48420-K-M <i>New</i>
3mm	26mm	3.6°	1.50mm	3	6mm	75mm	46286-K-M <i>New</i>
1/8	1/2	7°	1/16	3	1/4	3	46288-K
1/8	1	3.6°	1/16	3	1/4	3	46286-K (5)
1/8	1-1/2	0.10°	1/16	3	1/8	3	46295-K †
1/8	1-1/2	1°	1/16	3	1/4	3	46284-K (5)
1.5mm	26mm	5.4°	0.75mm	4	6mm	76mm	48422-K
1/16	1	5.4°	1/32	4	1/4	3	46282-K (5)
1/8	1-1/2	2.5°	1/16	4	1/4	3	46588-K <i>New</i>

Packs

46282-K, 46284-K & 46294-K	AMS-142-K
46280-K, 46282-K & 46286-K	AMS-144-K
46286-K & 46294-K, 46286-K & 46294-K	AMS-148-K

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

(5) = 5 packs available. For packs add -5, for example 46282-K-5.



Excellent For Cutting:

- Acrylic and HDPE
- Composite
- Foam
- High Density Urethane (HDU)
- MDF/HDF
- Phenolics
- Sign Board
- Wood
- For full material cut list visit www.amanatool.com



CNC 2D/3D CARVING STRAIGHT FLAT BOTTOM

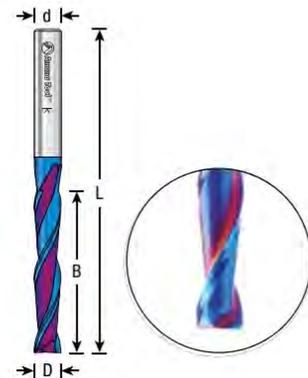
Solid Carbide • 2, 3 & 4 Flute • Up-Cut



High-shear flat bottom tips cut smooth 2D and 3D contours with reduced stepping. Spektra™ extreme tool life coated.

ØD	B	Ød	L	Flute	Up-Cut Tool No.	Down-Cut Tool No.
1/4	3/4	1/4	2	2	46587-K	—
1/4	1-1/2	1/4	3	2	46577-K	—
1/16	5/16	1/4	2	3	46290-K	46486-K (5) <i>New</i>
3mm	28mm	6mm	63mm	4	48424-K <i>New</i>	—
1/8	1/2	1/4	2	4	46586-K	—
1/8	3/4	1/4	2-1/2	4	46292-SK <i>New</i>	—
1/8	1-3/32	1/4	2-1/2	4	46292-K (5) <i>New</i>	—

(5) = 5 packs available. For packs add -5, for example 46290-K-5.



INDUSTRIAL

Foam

CNC Router Bits

Excellent For Cutting:

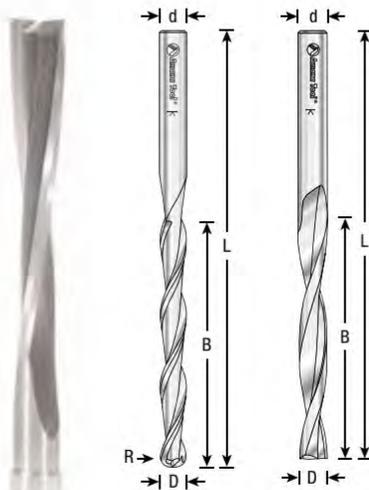
- Acrylonitrile-Butadiene-Styrene (ABS)
- Foam
- Fomex®
- Lexan™
- PALFOAM™
- Polyethylene Foam
- Polylam
- Polyurethane Foam
- For full material cut list visit www.amanatool.com



Ball Nose

Flat Bottom

Spektra™
Flat Bottom



CNC FOAM CUTTING SPIRAL

Solid Carbide • 2 & 3 Flute • Up-Cut & Down-Cut

Specifically designed for milling Polyurethane Foam and Expanded Polystyrene (EPS) to ensure your foam projects are milled with unparalleled accuracy, detail and clarity. Provides both precision and depth for foam carving and milling applications. Provides deeper cuts and larger slices with fewer passes in thick materials, resulting in improved productivity and less assembly.

The up-cut spiral ejects chips away from the work-piece.



Ball Nose

ØD	B	Flute	R	Ød	L	Up-Cut Tool No.
1/8	1-1/8	2	1/16	1/4	2-1/2	46030 †
1/4	2-1/4	2	1/8	1/4	4	46032

Flat Bottom (Square End)

ØD	B	Flute	Ød	L	Up-Cut Tool No.	Down-Cut Tool No.
3mm	28mm	2	6mm	64mm	48442	—
3mm	28mm	2	6mm	64mm	48442-K	—
1/8	1-1/16	2	1/8	3	46269†	46562
1/8	1-1/16	2	1/8	3	46269-K†	—
1/8	1-1/8	2	1/4	2-1/2	46270†	46564
1/8	1-1/8	2	1/4	2-1/2	46270-K†	46564-K
3/16	1-1/8	2	3/16	3	46271	—
3/16	1-5/8	2	3/16	4	46273	—
6mm	57mm	2	6mm	100mm	48444	—
6mm	57mm	2	6mm	100mm	48444-K	—
1/4	1-1/4	2	1/4	2-1/2	46274	—
1/4	1-1/2	3	1/4	3	48468* New	—
1/4	2-1/4	2	1/4	4	46272 ⑤	46566
1/4	2-1/4	2	1/4	4	46272-K	46566-K
1/4	3	2	1/4	6	46275	—
3/8	3-1/2	2	3/8	6	46278	—
3/8	4	2	3/8	6	46277	—
3/8	4-1/2	2	3/8	7	46279 New	—
1/8	1/2	3	1/4	4	48461 New	—
3/16	1	3	1/4	3	48460	—
1/4	2	3	1/4	4	48462 New	—

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

* Slow helix with 0.222 x 1/2 neck.

Spektra™ nACo® nano composite micro-thin coating provides longevity and cutting results of the highest quality. Details on Spektra™ visit www.amanatool.com/spektra

⑤ = 5 packs available. For packs add -5, for example 46272-5.

CNC feed and speed available online

CNC EXTENDED REACH FOAM CUTTING HIGH SPEED STEEL (HSS) SPIRAL

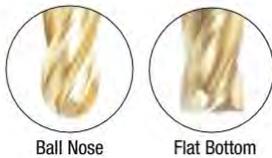
High Speed Steel (HSS) • 4 Flute • Up-Cut

Titanium Nitride (TiN) coating increases strength and durability. TiN coated bits harden and protect the cutting edges, and helps smooth the flutes for improved chip ejection.

TiN coated CNC foam tools let you achieve depth and precision for thick foam carving applications. Ensure your foam projects are milled with accuracy and high detail, deep cuts in thick materials in fewer passes.

Excellent For Cutting:

- Acrylonitrile-Butadiene-Styrene (ABS)
- Aluminum Alloys
- Foam
- Fomex®
- Lexan™
- PALFOAM™
- Polyethylene Foam
- Polylam
- Polyurethane Foam
- Wood
- For full material cut list visit www.amanatool.com

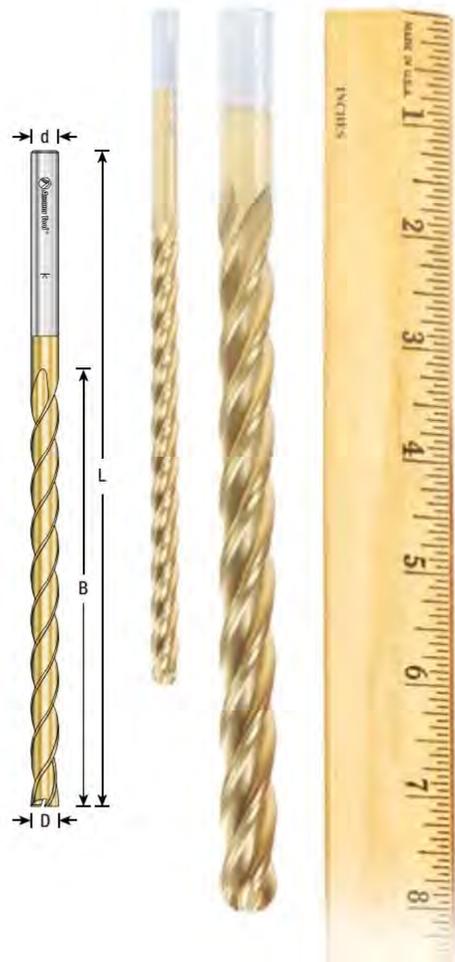


Ball Nose

ØD	B	Radius	Ød	L	Tool No.
1/4	4	1/8	1/4	6	HSS1202
1/4	4	1/8	3/8	6	HSS1200
1/2	6	1/4	1/2	8	HSS1204
1/2	6	1/4	1/2	10	HSS1205 <i>New</i>

Flat Bottom (Square End)

ØD	B	Ød	L	Tool No.
1/4	4	1/4	6	HSS1212
1/4	4	3/8	6	HSS1210
1/2	6	1/2	8	HSS1214
1/2	6	1/2	10	HSS1215
1/2	8	1/2	11	HSS1217 <i>New</i>
3/4	10	3/4	12-1/2	HSS1216



FOAM CUTTING HIGH SPEED STEEL (HSS) STRAIGHT V-FLUTE

High Speed Steel (HSS) • 2 Flute

V-flutes are selected when a balanced tool is critical for smooth finish. Excellent for hand-fed operations.

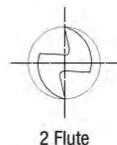
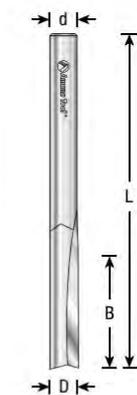
Excellent For Cutting:

- Crosslinked Polyethylene Foam (XLPE)
- Ethafoam
- Expanded Polypropylene (EPP)
- Flexible Polyurethane Foam (FPF)
- Foam
- Fomex®
- Natural Woods
- Polyethylene Foam
- Polylam



ØD	B	Ød	L	Tool No.
1/4	3/4	1/4	2-1/8	HSS1610
6mm	25mm	6mm	83mm	HSS1611-M
1/4	1	1/4	3-1/4	HSS1611*
1/4	1	1/2	2-1/2	HSS1612
3/8	1	3/8	2-1/2	HSS1613
1/2	1-1/4	1/2	2-3/4	HSS1614

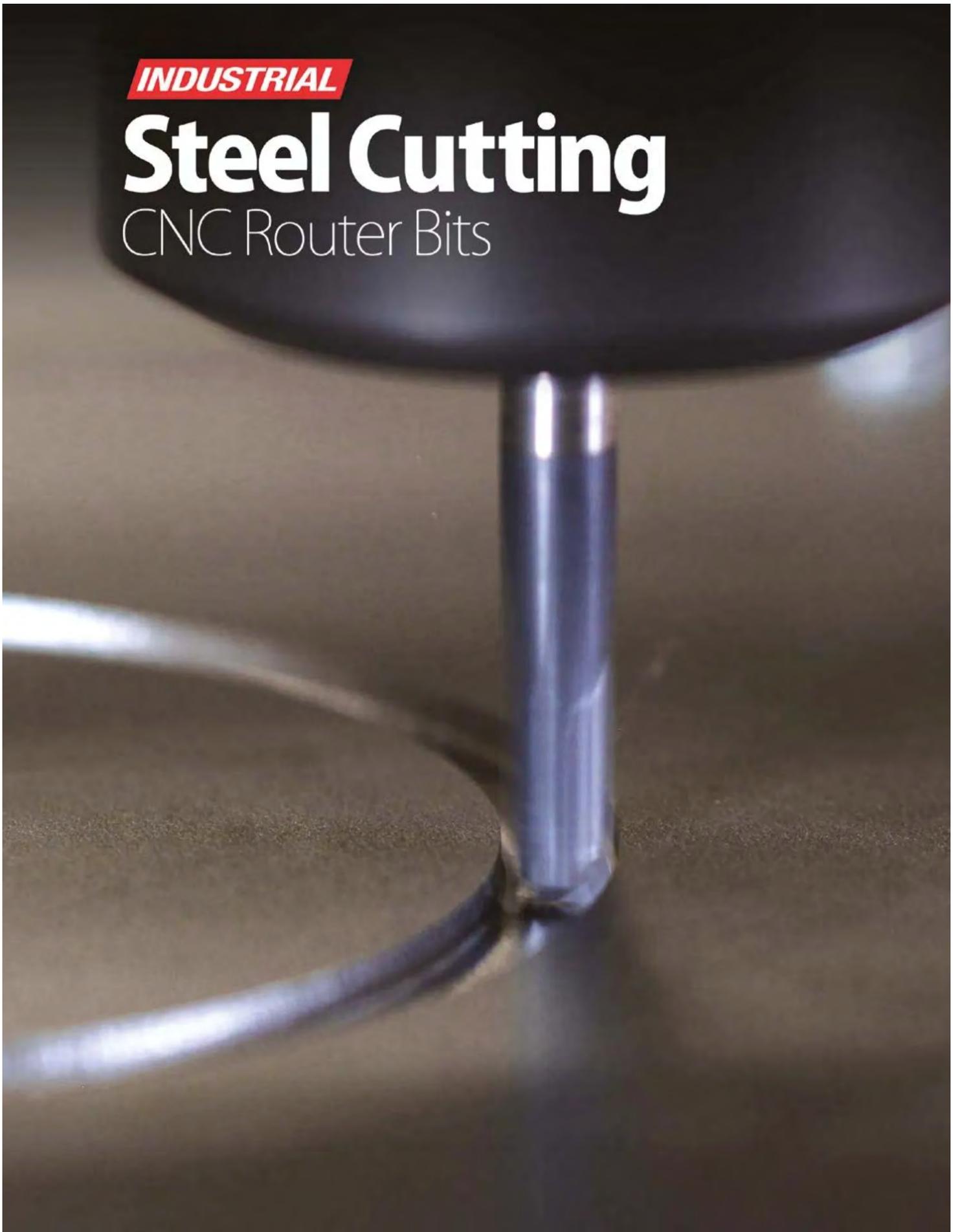
* May be used in Air Routers.



INDUSTRIAL

Steel Cutting

CNC Router Bits



AlTiN COATED BITS

CNC HIGH PERFORMANCE STEEL, STAINLESS STEEL & COMPOSITE CUTTING

Solid Carbide Spiral • 2, 3 & 4 Flute • Up-Cut Router Bits/End Mills

Manufactured from Amana exclusive ultra-fine micrograin carbide, these bits feature a 30° Center Cutting Mill End with a 45° corner chamfer (for extra strength) and Aluminum Titanium Nitride (AlTiN) coating for superior cut quality.



ØD	B	Ød	L	Flute	Tool No.
1/16	3/16	1/8	1-1/2	2	51673† <i>New</i>
1/8	3/8	1/8	1-1/2	2	51674† <i>New</i>
1/8	1/4	1/8	2	2	51461†
3/16	3/8	3/16	2-1/2	2	51463
3/16	5/8	3/16	2	2	51675 <i>New</i>
1/4	3/8	1/4	2-1/2	2	51465
1/4	1/2	1/4	2-1/2	2	51466
1/4	3/4	1/4	2-1/2	2	51676 <i>New</i>
1/4	1-1/8	1/4	3	2	51469 <i>New</i>
3/8	1/2	3/8	3	2	51467
3/8	1	3/8	2-1/2	2	51677 <i>New</i>
5/16	1-1/8	5/16	3	2	51678 <i>New</i>
1/2	3/4	1/2	3	2	51468
3mm	10mm	3mm	40mm	3	51610
1/8	3/8	1/4	1-1/2	3	51460
4mm	10mm	4mm	48mm	3	51612
3/16	7/16	1/4	1-7/8	3	51462
6mm	16mm	6mm	63mm	3	51614
1/4	5/8	1/4	2-3/8	3	51464
1/32	5/64	1/8	1-1/2	4	51601 <i>New</i>
1/16	3/16	1/8	1-1/2	4	51603 <i>New</i>
1/8	3/8	1/4	1-1/2	4	51602
1/4	5/8	1/4	2-3/8	4	51604
1/4	1-1/8	1/4	3	4	51606 <i>New</i>

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

▲ **Warning:** Maximum RPM=28,000. Visit www.amanatool.com for technical details.

AlTiN COATED BITS

CNC SINGLE FORM THREADMILLS, STEEL & STAINLESS STEEL CUTTING *New*

Solid Carbide • 4 Flute

Thread your material using these bits. Designed to cut 60° UN threads and can mill multiple pitches. Great for hole-making and threading.

Excellent For Cutting:

- Cast Iron
- Steel & Stainless Steel
- Titanium

Also for cutting:

- Aluminum / Non-Ferrous Materials
- Acrylic / Plastic



Thread Size	Neck Diameter		B	B1	Ød	L	Tool No.
	ØD	D1					
1/4	0.18	0.115	1	0.038	1/4	2-1/2	59402
5/16	0.24	0.160	1	0.046	1/4	2-1/2	59404
M5	4mm	2.4mm	12mm	0.92mm	4mm	50mm	59410
M6	4.8mm	2.88mm	14mm	1.11mm	6mm	50mm	59412
M8	6mm	3.6mm	18mm	1.39mm	6mm	50mm	59414
M10	8mm	4.8mm	24mm	1.85mm	8mm	63mm	59416

▲ **Warning:** Must have a CNC machine and the software to accept the programming needed to utilize helical circular interpolation.

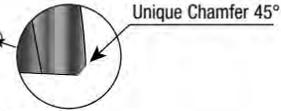
▲ **Warning:** Never attempt to cut ferrous metals with aluminum cutting bits. Inspect cut quality, adjust feed / speed accordingly. For optimal results and extended tool life use mist lubricant system or air cooling.

CNC feed and speed available online

AlTiN COATED BITS

Benefits of AlTiN Coating:

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

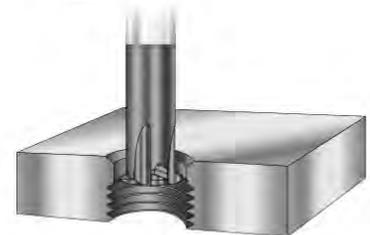
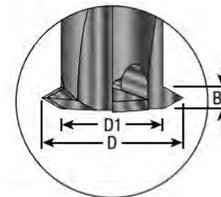
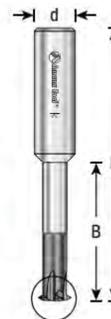


Excellent For Cutting:

- Stainless Steel
- Steel
- Cast Iron
- Composites
- Low Carbon Steel
- Metal Composite Material (MCM)
- Magnesium
- Plastics
- Super Alloys
- Titanium (up to 40HRC hardness)



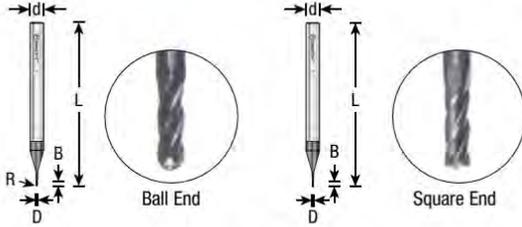
CNC Sets for Steel
visit amanatool.com





Excellent For Cutting:

- Stainless Steel
- Steel
- Titanium
- Cast Iron
- Cermet*
- Metal Composite Material (MCM)
- Magnesium
- Plastic



Miniature End Mills

Micro machining applications involve miniature tooling that requires very high attention to tolerances and detail in their construction.

These end mills incorporate 30 degree helixes and AITiN coating to insure a high degree of precision. Miniature end mills also routinely require RPMs in excess of 40,000 RPMs or more. Attention to both RPM capacity and accurate chip-loads is mandatory.

*Composites in which ceramic materials and metals are joined together.

AITiN COATED BITS

MINIATURE CNC STEEL, STAINLESS STEEL & COMPOSITE CUTTING

Solid Carbide Spiral • 2 & 4 Flute • Up-Cut Router End Mills

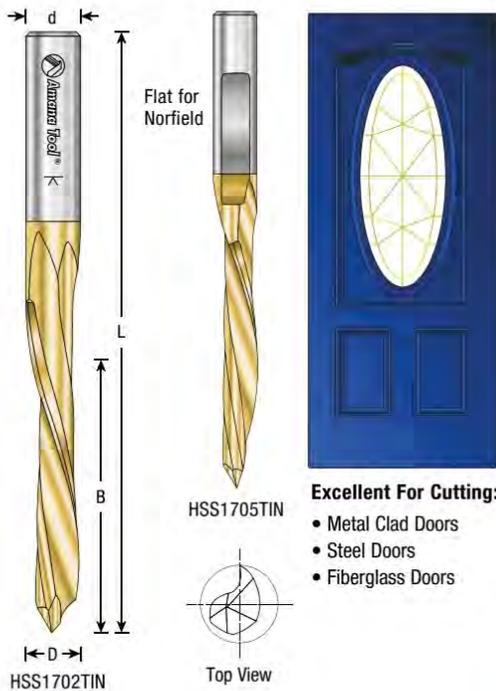
High performance. Choose 2 flute for efficient vertical plunging, pocketing and slotting operations and 4 flute for improved surface finish, longer life and increased feed rates with peripheral milling applications.



ØD	R	B	Ød	L	Type	2-Flute Tool No.	4-Flute Tool No.
0.010	0.0050	0.030	1/8	1-1/2	Ball End	51739	51750
0.015	0.0075	0.045	1/8	1-1/2	Ball End	51740	51751
0.020	0.0100	0.060	1/8	1-1/2	Ball End	51741	51752
0.025	0.0125	0.075	1/8	1-1/2	Ball End	51742	51753
0.030	0.0150	0.090	1/8	1-1/2	Ball End	51743	51754
0.035	0.0175	0.105	1/8	1-1/2	Ball End	51744	51755
0.040	0.0200	0.125	1/8	1-1/2	Ball End	51745	51756
0.045	0.0225	0.135	1/8	1-1/2	Ball End	51746	-
0.050	0.0250	0.174	1/8	1-1/2	Ball End	51747	51758
0.055	0.0275	0.267	1/8	1-1/2	Ball End	51748	-
0.060	0.0300	0.360	1/8	1-1/2	Ball End	51749	51760
0.010	-	0.030	1/8	1-1/2	Square End	51660	51719
0.015	-	0.045	1/8	1-1/2	Square End	51661	51720
0.020	-	0.060	1/8	1-1/2	Square End	51662	51721
0.025	-	0.075	1/8	1-1/2	Square End	51663	51722
0.030	-	0.090	1/8	1-1/2	Square End	51664	51723
0.035	-	0.105	1/8	1-1/2	Square End	51665	51724
0.040	-	0.120	1/8	1-1/2	Square End	51666	51725
0.045	-	0.135	1/8	1-1/2	Square End	51667	51726
0.050	-	0.174	1/8	1-1/2	Square End	51668	51727
0.055	-	0.267	1/8	1-1/2	Square End	51669	51728
0.060	-	0.360	1/8	1-1/2	Square End	51679	51729

Warning: Due to the extremely small diameters involved, please exercise caution to the accurate calculations of all feed and speed rates.

CNC feed and speed available online



Excellent For Cutting:

- Metal Clad Doors
- Steel Doors
- Fiberglass Doors

HIGH SPEED STEEL (HSS) DOOR BITS FOR STEEL

High Speed Steel (HSS) TiN Coated • Single Flute • Down-Cut

Titanium Nitride (TiN) coating increases strength and durability. TiN coated bits harden and protect the cutting edges, and helps smooth the flutes for improved chip ejection.



For Ruvo/Norfield Door Machines Only

ØD	B	Ød	L	Machine	Tool No.
1/2	2-1/2	1/2	5-1/2	RUVO	HSS1702TIN
1/2	2-1/2	1/2	5-1/2	NORFIELD †	HSS1705TIN

† Part of the shank is flat to fit in Norfield machine.

Warning: Not to be used on a handheld router, table router or CNC machine.

AITiN COATED BITS

CNC VARIABLE HELIX SPIRAL

Solid Carbide End Mills • 2 & 4 Flute • Up-Cut

These variable-helix tools are the superstars of carbide end mills for professionals and hobbyists alike. The variable helix eliminates harmonic chatter, so critical when surface finishes, part dimension tolerances and tool life are of the utmost importance.

They are outstanding tools for peripheral milling, and can take aggressive cuts along the full length of the overall flute length with no issues. For use with manual and automatic milling machines, as well as the most sophisticated CNC machines.

Excellent For Cutting:

- Stainless Steel
- Steel
- Cast Iron
- Cermet*
- Composites
- Low Carbon Steel
- Magnesium
- Metal Composite Material (MCM)
- Plastics
- Super Alloys
- Titanium (up to 40HRC hardness)



Square Bottom

ØD	B	Ød	L	Tool No.
1/4	5/8	1/4	2-1/2	51593
3/8	7/8	3/8	2-1/2	51595
1/2	1	1/2	3	51597

Corner Radius Bottom

ØD	R	B	Ød	L	Tool No.
1/4	0.015	5/8	1/4	2-1/2	51605
3/8	0.020	7/8	3/8	2-1/2	51607
1/2	0.030	1	1/2	3	51609

Ball Nose

ØD	R	B	Ød	L	Flute	Tool No.
1/16	1/32	3/16	1/8	1-1/2	2	51910 <i>New</i>
1/8	1/16	1/2	1/4	2	2	51911 <i>New</i>
1/4	1/8	3/4	1/4	2-1/2	2	51912 <i>New</i>
3/8	3/16	1-1/8	3/8	3	2	51913 <i>New</i>
1/8	1/16	1/4	1/8	1-1/2	4	51790
1/8	1/16	3/8	1/8	1-1/2	4	51792
3/16	3/32	7/16	3/16	2	4	51794
1/4	1/8	1/2	1/4	2	4	51796
1/4	1/8	5/8	1/4	2-1/2	4	51798
1/4	1/8	1-1/8	1/4	3	4	51800
3/8	3/16	7/8	3/8	2-1/2	4	51802
1/2	1/4	1	1/2	3	4	51804
1/2	1/4	1-1/4	1/2	3	4	51806
3/4	3/8	1-1/2	3/4	4	4	51808

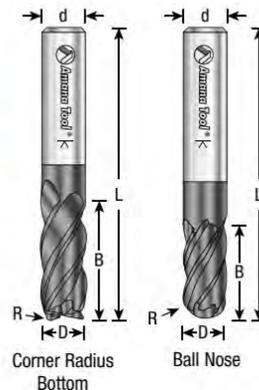
*Composites in which ceramic materials and metals are joined together.

CNC feed and speed available online



Corner Radius Bottom

Square Bottom



Corner Radius Bottom

Ball Nose



51911

CNC 118° POINT SPADE DRILL

Solid Carbide • 2 Flute

Used to drill very short, shallow holes in hard (or hardened) steel. Can be used in either CNC or drill presses. **Note:** Make sure your drill press runs fast and has a tight spindle.

Excellent For Cutting:

- Stainless Steel
- Steel
- Cast Iron
- Titanium
- Non-Ferrous
- Cermet*

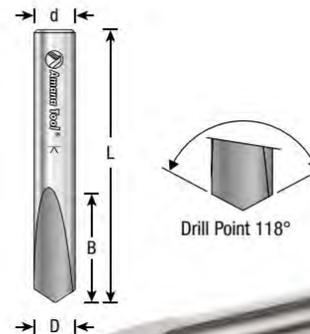


Drill Press

*Cermets are composites in which ceramic materials and metals join together.

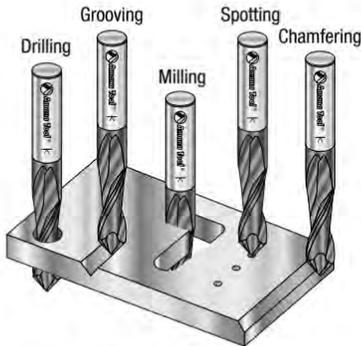
ØD	B	Ød	L	Tool No.
1/8	7/16	1/8	1-1/2	51682
3/16	9/16	3/16	2	51684
1/4	11/16	1/4	2	51686
5/16	7/8	5/16	2-1/2	51688
3/8	1	3/8	2-1/2	51689

CNC feed and speed available online



Drill Point 118°





A True Multi-Function Tool.

AITiN COATED BITS

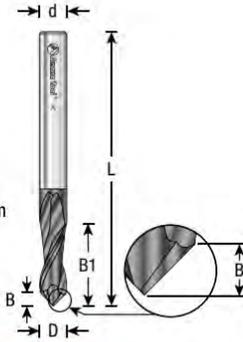
CNC HIGH PERFORMANCE 90° 'V' SPIRAL DRILLS

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

A true multi-function tool, combination drill/mills allow plunging, slotting and/or top chamfering all in one tool saving you indexing time. AITiN coating provides quantum increases in productivity, either in terms of speed or longevity, with or without coolant.

Excellent For Cutting:

- Stainless Steel
- Steel
- Cast Iron
- Titanium
- Soft Plastics
- Composites
- Cermet
- Metal Composite Material



ØD	B	B1	Ød	L	Flute	Tool No.
1/8	1/16	1/2	1/8	1-1/2	2	51650
3/16	3/32	5/8	3/16	2	2	51651
1/4	1/8	3/4	1/4	2-1/2	2	51652
5/16	5/32	7/8	5/16	2-1/2	2	51653
3/8	3/16	7/8	3/8	2-1/2	2	51654
7/16	7/32	1	7/16	2-1/2	2	51655
1/2	1/4	1	1/2	3	2	51656
5/8	5/16	1-1/4	5/8	3-1/2	2	51657
3/4	3/8	1-1/2	3/4	4	2	51658
1/8	1/16	1/2	1/8	1-1/2	4	51690 ▲
1/4	1/8	3/4	1/4	2-1/2	4	51692 ▲
3/8	3/16	7/8	3/8	2-1/2	4	51694 ▲
1/2	1/4	1	1/2	3	4	51696 ▲

▲ **Warning:** These tools are not designed for drilling steel, stainless steel, titanium and cermet.

CNC feed and speed available online

AITiN COATED BITS

CNC HIGH PERFORMANCE 118° POINT CENTER DRILL, 60° COUNTERSINK

Solid Carbide • 2 Flute

60° inclusive countersinks drill downwards a small amount in order to make a quality starting hole and a profile. Follow up with a secondary drill for the full depth of cut of the work-piece. They do not route along a slot. Combination drill/countersinks provide exceptional starting positioning for secondary drills, plus provide qualified countersink dimensions for screw heads, etc. Premium AITiN coating provides quantum increase in productivity, either in terms of speed or longevity, with or without coolant.

Use on manual or CNC driven lathes and manual or CNC driven milling machines. Not for use in handheld drills or handheld routers.

Excellent For Cutting:

- Stainless Steel
- Steel
- Titanium
- Cast Iron
- Soft Plastic
- Composites
- Cermet
- Corian
- Poly (methyl methacrylate) (PMMA)
- Acrylic Stone
- Coroplast®*

* A soft plastic cardboard made with super soft & flexible PVC.



ØD	ØD1	B	Ød	L	Tool No.
3/16	5/64	5/64	3/16	2	51670
5/16	1/8	1/8	5/16	2-1/8	51672

CNC feed and speed available online



Carbide Burr Bits

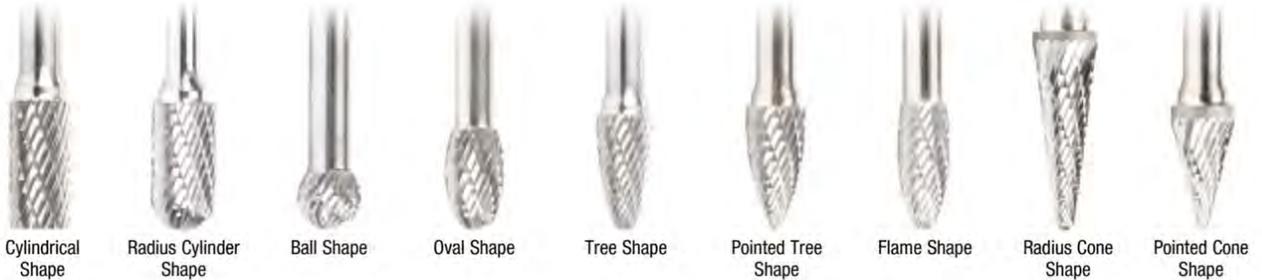
For Die-Grinders



Double Cut (DC) burrs utilize a cross flute of exactly half the number of standard flutes in an opposing helix. Benefits include rapid removal of a broad range of materials combined with excellent operator control. It does this by incorporating a cutting rake angle that gives great "bite" into the material, and yet is not so aggressive that the operator fatigues quickly after using it in a hand piece. A DC flute geometry gives better performance in low RPM applications, but still performs well at high RPMs.

Non Ferrous (NF) burrs are specially designed for cutting all non-ferrous and non-metallic workpieces such as aluminum, zinc, plastic, wood, etc. The uniquely aggressive cutting action provides little to no chance of plugging the flutes.

Applications: To be used with air or electrically-driven hand die-grinder with a typical collet mechanism or knee mill with an air-driven spindle speeder such as an Air Turbine product. An air speeder can bump spindle. Tools are solid carbide head brazed to steel shank unless noted otherwise.



Excellent For Cutting:

- Aluminum
- Brass
- Bronze
- Copper & Chrome
- Cast Iron
- Steel: 40-55rc
- Steel: 55-60rc
- Steel: Carbon
- Steel: Nickel
- Stainless Steel
- Steel Weldments
- Titanium



ØD	B	Ød	L	Double Cut		Non-Ferrous/ZrN Coated	
				DC Ref #	DC Tool No.	NF Ref #	NF Tool No.
1/8	9/16	1/8	1-1/2	SA-43DC	BURS-098 *	—	—
1/4	5/8	1/4	2	SA-1DC	BURS-100 *	SA-1FM	—
3/8	3/4	1/4	2-1/2	SA-3DC	BURS-102	SA-3FM	BURS-102NF
3/8	3/4	1/4	6-3/4	SA-3LDC	BURS-103	—	—
1/2	1	1/4	2-3/4	SA-5DC	BURS-104	SA-5FM	BURS-104NF
1/2	1	1/4	7	SA-5L6DC	BURS-105	—	—

* Solid carbide.



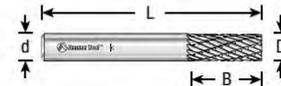
No End Cut

SB Burrs • Cylindrical Shape with End Cut



ØD	B	Ød	L	Double Cut		Non-Ferrous/ZrN Coated	
				DC Ref #	DC Tool No.	NF Ref #	NF Tool No.
1/8	9/16	1/8	1-1/2	SB-43DC	BURS-080 *	—	—
1/4	5/8	1/4	2	SB-1DC	BURS-082 *	SB-1FM	BURS-082NF *
3/8	3/4	1/4	2-1/2	SB-3DC	BURS-084	SB-3FM	BURS-084NF
1/2	1	1/4	2-3/4	SB-5DC	BURS-088	SB-5FM	BURS-088NF
1/2	1	1/4	7	SB-5L6DC	BURS-090	—	—

* Solid carbide.



End Cut

Warning: Not to be used in conventional routers.

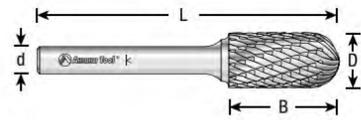
Burr speed recommendations available online

SC Burrs • Radius Cylinder Shape



ØD	B	Ød	L	Double Cut		Non-Ferrous/ZrN Coated	
				DC Ref #	DC Tool No.	NF Ref #	NF Tool No.
1/8	9/16	1/8	1-1/2	SC-42DC	BURS-118 *	—	—
1/4	5/8	1/4	2	SC-1DC	BURS-120 *	—	—
3/8	3/4	1/4	2-1/2	SC-3DC	BURS-122	SC-3FM	BURS-122NF
3/8	3/4	1/4	6-3/4	SC-3L6DC	BURS-123	—	—
1/2	1	1/4	2-3/4	SC-5DC	BURS-124	SC-5FM	BURS-124NF
1/2	1	1/4	7	SC-5L6DC	BURS-126	—	—

* Solid carbide.

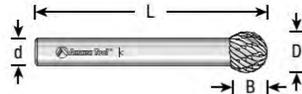


SD Burrs • Ball Shape



ØD	B	Ød	L	Double Cut		Non-Ferrous/ZrN Coated	
				DC Ref #	DC Tool No.	NF Ref #	NF Tool No.
1/8	1/8	1/8	1-1/2	SD-42DC	BURS-150 *	—	—
1/4	7/32	1/4	2	SD-1DC	BURS-152 *	—	—
3/8	5/16	1/4	2-1/8	SD-3DC	BURS-154	SD-3FM	BURS-154NF
3/8	5/16	1/4	6-3/4	SD-3L6DC	BURS-156	—	—
1/2	7/16	1/4	2-1/4	SD-5DC	BURS-158	SD-5FM	BURS-158NF
1/2	7/16	1/4	6-1/2	SD-5L6DC	BURS-160	—	—

* Solid carbide.

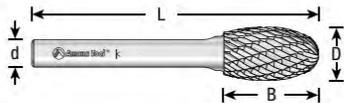


SE Burrs • Oval Shape



ØD	B	Ød	L	Double Cut		Non-Ferrous/ZrN Coated	
				DC Ref #	DC Tool No.	NF Ref #	NF Tool No.
1/8	7/32	1/8	1-1/2	SE-41DC	BURS-170 *	—	—
1/4	3/8	1/4	2	SE-1DC	BURS-172 *	—	—
3/8	5/8	1/4	2-3/8	SE-3DC	BURS-174	SE-3FM	BURS-174NF
3/8	5/8	1/4	6-5/8	SE-3L6DC	BURS-176	—	—
1/2	7/8	1/4	2-5/8	SE-5DC	BURS-178	SE-5FM	BURS-178NF
1/2	7/8	1/4	6-7/8	SE-5L6DC	BURS-180	—	—

* Solid carbide.

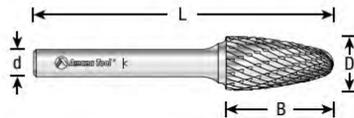


SF Burrs • Radius Tree Shape



ØD	B	Ød	L	Double Cut		Non-Ferrous	
				DC Ref #	DC Tool No.	NF Ref #	NF Tool No.
1/8	1/2	1/8	1-1/2	SF-42DC	BURS-138 *	—	—
1/4	5/8	1/4	2	SF-1DC	BURS-140 *	—	—
3/8	3/4	1/4	2-1/2	SF-3DC	BURS-142	SF-3FM	BURS-142NF
3/8	3/4	1/4	6-3/4	SF-3L6DC	BURS-143	—	—
1/2	1	1/4	2-3/4	SF-5DC	BURS-144	SF-5FM	BURS-144NF
1/2	1	1/4	7	SF-5L6DC	BURS-146	—	—

* Solid carbide.



 Burr speed recommendations available online

SG Burrs • Pointed Tree Shape

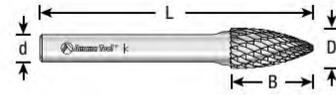


BURS-192

BURS-199

ØD	B	Ød	L	DC Ref #	DC Tool No.
1/8	3/8	1/8	1-1/2	SG-43DC	BURS-190 *
1/4	5/8	1/4	2	SG-1DC	BURS-192 *
3/8	3/4	1/4	2-1/2	SG-3DC	BURS-194
3/8	3/4	1/4	6-3/4	SG-3L6DC	BURS-196
1/2	1	1/4	2-3/4	SG-5DC	BURS-198
1/2	1	1/4	6-3/4	SG-5L6DC	BURS-199

* Solid carbide.



SH Burrs • Flame Shape

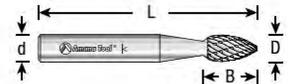


BURS-200

BURS-204

ØD	B	Ød	L	DC Ref #	DC Tool No.
1/8	1/4	1/8	1-1/2	SH-41DC	BURS-200 *
1/4	1/2	1/4	2	SH-1DC	BURS-202 *
5/16	3/4	1/4	2-1/2	SH-2DC	BURS-204
1/2	1-1/4	1/4	3	SH-5DC	BURS-206

* Solid carbide.



SL Burrs • Radius Cone Shape



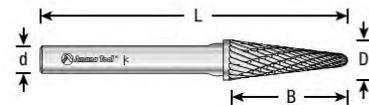
BURS-214

BURS-214NF

BURS-219

ØD	B	Ød	L	Double Cut		Non-Ferrous/ZrN Coated	
				DC Ref #	DC Tool No.	NF Ref #	NF Tool No.
1/8	3/8	1/8	1-1/2	SL-41DC	BURS-210 *	—	—
1/4	5/8	1/4	2	SL-1DC	BURS-212 *	—	—
3/8	1-1/16	1/4	2-13/16	SL-3DC	BURS-214	SL-3FM	BURS-214NF
3/8	1-1/16	1/4	7-1/16	SL-3L6DC	BURS-216	—	—
1/2	1-1/8	1/4	2-7/8	SL-4DC	BURS-218	SL-4FM	BURS-218NF
1/2	1-1/8	1/4	7-1/8	SL-4L6DC	BURS-219	—	—

* Solid carbide.



SM Burrs • Pointed Cone Shape

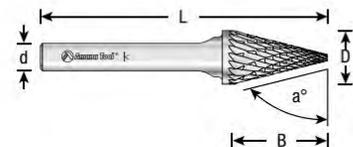


BURS-222

BURS-228

ØD	B	Ød	L	a°	DC Ref #	DC Tool No.
1/8	11/32	1/8	1-1/2	12°	SM-41DC	BURS-220 *
1/4	1/2	1/4	2	22°	SM-1DC	BURS-222 *
3/8	5/8	1/4	2-1/2	14°	SM-4DC	BURS-224
1/2	7/8	1/4	2-5/8	14°	SM-5DC	BURS-226
1/2	7/8	1/4	6-7/8	14°	SM-5L6DC	BURS-228

* Solid carbide.





INDUSTRIAL

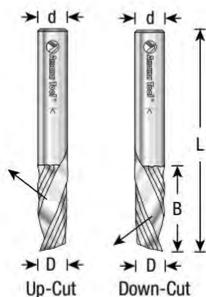
Plastic Cutting

Solutions

CNC PLASTIC CUTTING SPIRAL 'O' FLUTE

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

Produce super clean, smooth cuts in plastics and other materials. Using the highest quality carbide, these bits have a special proprietary edge processing system featuring a super high polished cutting edge with a unique "mirror finish". The result is clean cuts, a superior surface finish and longer tool life. 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 †	—
1/8	1/4	1/8	2	51443 †	—
1/8	3/4	1/8	2	51437 †	—
1/8	1/4	1/4	2	51416 ⑤	—
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 † ⑤	51510 †
1/8	1/2	1/4	2	51411 ⑤	51511 ⑤
1/8	5/8	1/4	2-1/2	51445	—
1/8	3/4	1/4	2-1/2	51446 ⑤	—
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 ⑤	51517 ⑤
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 ⑤
1/4	5/8	1/4	2	51419	—
1/4	3/4	1/4	2	51404 ⑤	51504 ⑤
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 ⑤	51505
1/4	1-1/16	1/4	3	51409	—
1/4	1-1/4	1/4	3	51407	51507 ⑤
1/4	1-3/8	1/4	3	51403	—
1/4	1-1/2	1/4	3	51413	51513 ⑤
1/4	2-1/4	1/4	3-3/4	51646	—
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	—

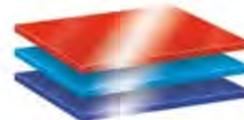
† Router collet reducer RB-102 (1/4 to 1/8) available for 1/8 shank bits.

⑤ = 5 packs available. For packs add -5, for example 51405-5.

CNC Sets for Plastics
visit amanatool.com



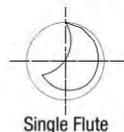
#AMS-165



**Mirror
FINISH**

Benefits of Mirror Finish:

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



Single Flute



Edge Contour

Plunge

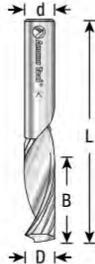
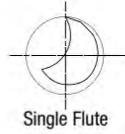
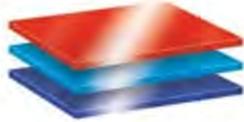
Excellent for Cutting:

- Acrylic / Plastic
- Corrugated Plastics
- High Density Polyethylene (HDPE)
- Polycarbonate (Lexan™)
- Plexiglas® / Lucite®
- Sign Foam
- Sintra PVC
- Solid Surface / Corian®
- Teflon
- For full material cut list visit www.amanatool.com

Metric CNC Bits for Plastic
See next page



CNC feed and speed available online



METRIC CNC PLASTIC CUTTING SPIRAL 'O' FLUTE

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

Metric sizes of the extremely popular solid carbide plastic cutting router bits. Produce super clean, smooth cuts in plastics and other materials.

For full material cut list visit www.amanatool.com.



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

CNC PLASTIC CUTTING SPIRAL DOUBLE 'O' FLUTE

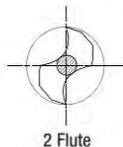
Solid Carbide • Double Flute • Up-Cut & Down-Cut

These 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

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

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





CNC PLASTIC CUTTING SPIRAL 'O' FLUTE

Solid Carbide • Single Flute • Up & Down-Cut

Produce super clean, smooth cuts in plastics and other materials.

For full material cut list visit www.amanatool.com. For complete details on Spektra™ visit www.amanatool.com/spektra



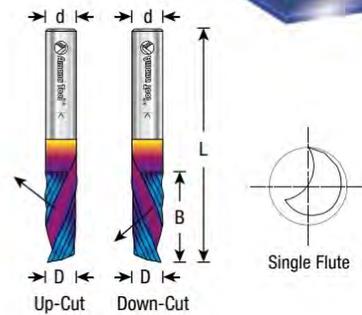
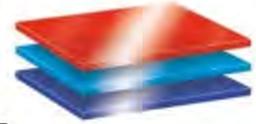
ØD	B	Ød	L	Up-Cut Tool No.	Down-Cut Tool No.
1/32	3/16	1/4	2	51649-K	—
1/16	1/4	1/8	2	51415-K †	51515-K † ⑤
1/16	1/4	1/4	2	51441-K ⑤	—
1/8	1/4	1/4	2	51416-K	—
1/8	5/8	1/4	2-1/2	51445-K	—
1/8	1/2	1/8	2	51410-K †	51510-K †
1/8	1/2	1/4	2	51411-K	51511-K
1/8	3/4	1/8	2	51437-K †	—
1/8	3/4	1/4	2-1/2	51446-K ②	—
1/8	7/8	1/4	2-1/2	51435-K <i>New</i>	—
3/16	5/8	3/16	2	51412-K	—
3/16	5/8	1/4	2	51417-K ②	51517-K
3/16	7/8	1/4	2-1/2	51442-K	—
3/16	1-1/4	1/4	3	51418-K	—
1/4	3/8	1/4	2	51425-K	—
1/4	1/2	1/4	2	51810-K	—
1/4	5/8	1/4	2	51419-K	—
1/4	3/4	1/4	2	51404-K	51504-K ⑤
1/4	3/4	1/4	2-1/2	51421-K	51524-K
1/4	7/8	1/4	2-1/2	51444-K	—
1/4	1	1/4	2-1/2	51405-K	51505-K
1/4	1-1/8	1/4	3	51392-K <i>New</i>	—
1/4	1-1/4	1/4	3	51407-K	51507-K
1/4	1-1/2	1/4	3	51413-K	51513-K
1/4	2-1/4	1/4	3-3/4	51646-K ⑤	—
3/8	1-1/8	3/8	3	51414-K ⑤	—
3/8	1-5/8	3/8	3-1/2	51427-K	—
1/2	1-5/8	1/2	3-1/2	51428-K	—

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

② = 2 packs available. ⑤ = 5 packs available. For packs add a -2 or -5, for example 51414-K-5.



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



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

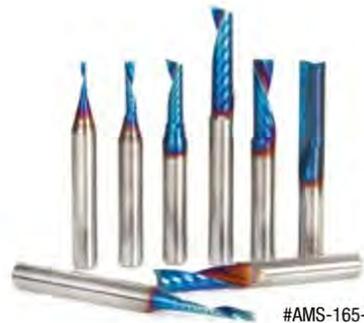
Solid Carbide • Single Flute • Up-Cut

Metric sizes of the extremely popular solid carbide plastic cutting router bits.

For full material cut list visit www.amanatool.com. For complete details on Spektra™ visit www.amanatool.com/spektra



ØD	B	Ød	L	Up-Cut Tool No.
1mm	4mm	3mm	30mm	51390-K
1.1mm	4mm	3mm	30mm	51394-K
1.2mm	4mm	3mm	30mm	51395-K
1.4mm	4mm	3mm	30mm	51396-K
1.5mm	6mm	3mm	30mm	51391-K
1.6mm	6mm	3mm	30mm	51397-K
1.8mm	6mm	3mm	30mm	51398-K



#AMS-165-K



CNC Sets for Plastics
visit amanatool.com

CNC feed and speed available online

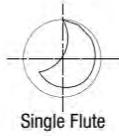
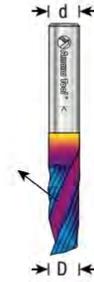


UP TO
2.5X
LONGER LIFE
COMPARED TO UNCOATED BITS

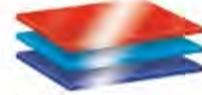
**Mirror
FINISH**

Benefits of Mirror Finish:

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



THE ONLY
SPEKTRA™
EXTREME TOOL LIFE COATING



**CNC PLASTIC CUTTING SPIRAL 'O' FLUTE
FOR IMPROVED SURFACE FINISH**

Solid Carbide • Single Flute • Up-Cut



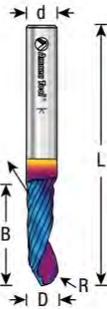
Those seeking improved surface finishes in either plastic, woods and other materials would do well by using these bits. For full material cut list visit www.amanatool.com.

ØD	B	Ød	L	Tool No.
1/16	1/4	1/4	2	57364-K <i>New</i>
1/8	1/2	1/8	2	57365-K† <i>New</i>
1/8	1/2	1/4	2	57360-K
1/8	3/4	1/4	2-1/2	57361-K
3/16	5/8	1/4	2	57366-K <i>New</i>
1/4	1/2	1/4	2	57362-K
1/4	3/4	1/4	2	57363-K
1/4	1	1/4	2-1/2	57367-K <i>New</i>
3/8	1-1/8	3/8	3	57368-K <i>New</i>

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

Excellent for Cutting:

- Acrylic / Plastic
- Corrugated Plastics
- High Density Polyethylene (HDPE)
- Polycarbonate (Lexan™)
- Plexiglas® / Lucite®
- Sign Foam
- Sintra PVC
- Solid Surface / Corian®
- Teflon
- Visit website for full material list



**PLASTIC CUTTING 'O' FLUTE *New*
SPIRAL BALL NOSE**

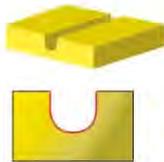
Solid Carbide • Single Flute • Up-Cut



Ball nose CNC router bits for generating 3D shapes, slopes, curves and rounded slots using a CNC router. 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

R	D	B	d	L	Tool No.
1/16	1/32	1/4	1/4	2	51811-K
1/16	1/8	1/2	1/8	2	51814 †
1/8	1/16	1/2	1/4	2	51815-K
1/8	1/16	3/4	1/4	2-1/2	51816-K
1/8	1/4	3/4	1/4	2	51818-K
1/8	1/4	3/4	1/4	2	51818
3/16	3/32	5/8	1/4	2	51817-K

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



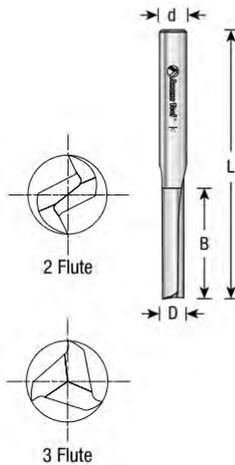
PLASTIC CUTTING

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® Wood, etc.



59432-K



ØD	B	Ød	L	Flute	Tool No.
1/8	1/4	1/4	2	2	43507 <i>New</i>
1/8	1/4	1/4	2	2	43507-K <i>New</i>
1/8	1/2	1/4	2	2	43600
1/8	1/2	1/4	2	2	43600-K
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
1/4	3/4	1/4	2-1/2	2	43506-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
1/2	1	1/2	3	2	43616
1/4	1	1/4	2-1/2	3	46483-K
1/4	3/4	1/4	2-1/2	3	59432-K* <i>New</i>

* With chip breaker.

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

PLASTIC CUTTING 'O' FLUTE

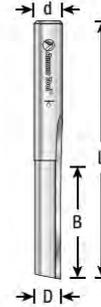
Solid Carbide • Single 'O' Flute

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 for full material cut list.



ØD	B	Ød	L	Tool No.
1/8	5/16	1/4	2	43501
1/8	1/2	1/8	2	43502+
1/8	5/8	1/8	3	43503+
1/8	1/2	1/4	2	43500
1/8	1/2	1/4	2	43500-K
3/16	5/8	1/4	2	43504
3/16	5/8	1/4	2	43504-K
1/4	3/4	1/4	2	43508
1/4	1	1/4	2-1/2	43512

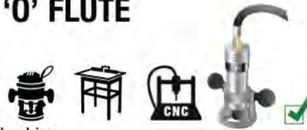
 The Spektra™ nAcO® nanocomposite micro-thin coating provides longevity and cutting results of the highest quality. For complete details on Spektra™ visit www.amanatool.com/spektra



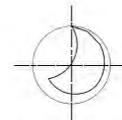
PLASTIC CUTTING STRAIGHT 'O' FLUTE HIGH SPEED STEEL (HSS)

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	Ød	L	Flute	Tool No.
1/16	3/16	1/4	2	1	HSS1490 <i>New</i>
3/32	3/8	1/4	2	1	HSS1492 <i>New</i>
1/8	1/2	1/4	2	1	HSS1500
1/8	5/8	1/4	3-1/4	1	HSS1501
3/16	5/8	1/4	3-1/4	1	HSS1502
3/16	3/4	1/4	2	1	HSS1509 <i>New</i>
3/16	3/4	1/4	3-1/4	1	HSS1503
1/4	3/4	1/4	2-1/8	1	HSS1504
1/4	3/4	1/4	3-1/4	1	HSS1505
1/4	1	1/4	2-3/8	1	HSS1506
1/4	1-1/4	1/4	2-5/8	1	HSS1508 <i>New</i>
3/8	1	3/8	2-1/2	1	HSS1507
3/16	5/8	1/4	2	2	HSS1600
1/4	3/4	1/4	2-1/8	2	HSS1601
1/4	3/4	1/4	3-1/4	2	HSS1602
1/4	3/4	1/4	3-3/4	2	HSS1603
1/4	1	1/4	2-3/8	2	HSS1604
1/4	2	1/4	3-1/4	2	HSS1605
3/8	1	3/8	2-1/2	2	HSS1606
3/8	1	3/8	3-1/2	2	HSS1607



Single Flute



2 Flute

Excellent for Cutting:

- Acrylic / Plastic
- Corrugated Plastics
- High Density Polyethylene (HDPE)
- Polycarbonate (Lexan™)
- Plexiglas® / Lucite®
- Sign Foam
- Sintra PVC
- Solid Surface / Corian®
- Teflon
- For full material cut list visit www.amanatool.com





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.

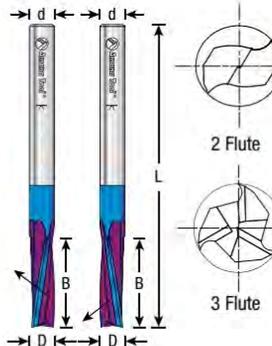


Excellent for Cutting:

- Acrylic / Plastic
- Acrylonitrile Butadiene Styrene (ABS)
- Composite Plastic
- Precision Board
- Perspex® Cast Acrylic Sheet
- Sign Foam
- Solid Surface
- High Density Polyethylene Sheet (HDPE)
- Wood
- For full material cut list visit www.amanatool.com

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

**UP TO
2.5X
LONGER LIFE**
COMPARED TO UNCOATED BITS



THE ONLY
SPEKTRA™
EXTREME TOOL LIFE COATING

SPIRAL FINISHER

Solid Carbide • 2 & 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



ØD	B	Ød	L	Flute	'Up-Cut' Tool No.	'Down-Cut' Tool No.
1/4	1	1/4	3	2	51639-K <i>New</i>	51734-K <i>New</i>
1/4	7/8	1/4	3	3	51631-K	51731-K
3/8	1-1/8	3/8	3	3	51633-K	51733-K
1/2	1-1/8	1/2	3-1/2	3	51637-K	51737-K
1/2	1-5/8	1/2	4	3	51635-K	51735-K

PLASTIC EDGE ROUNING

Solid Carbide • Single & Double 'O' Flute

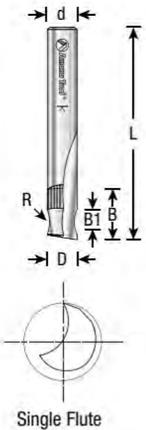
Designed for rounding the edge of sheets or parts.



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	Flute	Tool No.
1/4	1/8	3/8	5/32	1/4	2-1/2	Straight	1/8	1	46441
1/4	3/16	3/8	7/32	1/4	2-1/2	Straight	3/16	1	46452
1/4	1/4	3/8	9/32	1/4	2-1/2	Straight	1/4	1	46443
1/4	1/8	3/8	5/32	1/4	2-1/2	Spiral	1/8	1	46464
1/4	3/16	3/8	7/32	1/4	2-1/2	Spiral	3/16	1	46465
1/4	1/4	3/8	9/32	1/4	2-1/2	Spiral	1/4	1	46466
1/4	1/8	3/8	5/32	1/4	2-1/2	Straight	1/8	2	46481
1/4	3/16	3/8	7/32	1/4	2-1/2	Straight	3/16	2	46484
1/4	1/4	3/8	9/32	1/4	2-1/2	Straight	1/4	2	46485



Spiral w/Corner Radius

Visit www.amanatool.com #46460-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.

Excellent for Cutting:

- Acrylic / Plastic
- Acrylonitrile Butadiene Styrene (ABS)
- Aluminum, Brass, Copper
- Plexiglas®
- Sign Foam
- Solid Surface
- High Density Polyethylene Sheet (HDPE)
- Wood
- For full material cut list visit www.amanatool.com



R	ØD	B	Ød	L	Flute	Tool No.
1/16	1/8	1/2	1/4	3	2	46385
1/8	1/4	1/2	1/4	2-1/2	2	46426
3/32	3/16	1/2	1/4	2-1/2	2	46424
3/32	3/16	3/4	1/4	2	2	46425
3/32	3/16	3/4	1/4	2-1/2	2	46450 <i>New</i>
3/32	3/16	3/4	1/4	3	2	46389
1/8	1/4	3/4	1/4	2-1/2	2	46463 <i>New</i>
1/8	1/4	7/8	1/4	2-1/2	2	46379
1/8	1/4	1	1/4	4	2	46451 ▲
1/8	1/4	1-1/8	1/4	3	2	46428
3/16	3/8	1-1/8	3/8	3	2	46381
1/4	1/2	1-1/8	1/2	3	2	46383
1/4	1/2	1-1/2	1/2	5	2	46459 ▲
1/4	1/2	3/4	1/2	3	4	46446

▲ Warning: CNC use only.

Metric Sizes

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



CNC PLASTIC CUTTING SPIRAL BALL NOSE

Solid Carbide • 2 Flute • Up-Cut

Designed to eliminate melting and tool marks that commonly appear when used with plastic and solid surface materials.

Excellent for Cutting:

- Acrylic / Plastic
- Acrylonitrile Butadiene Styrene (ABS)
- Aluminum, Brass, Copper
- Plexiglas®
- Sign Foam
- Solid Surface
- High Density Polyethylene Sheet (HDPE)
- Wood
- For full material cut list visit www.amanatool.com

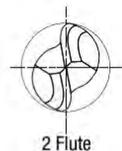
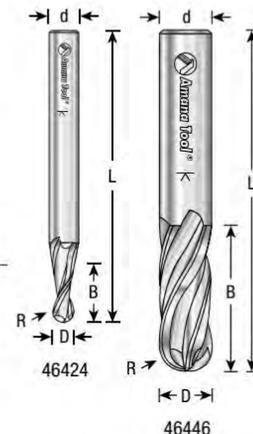
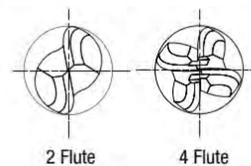


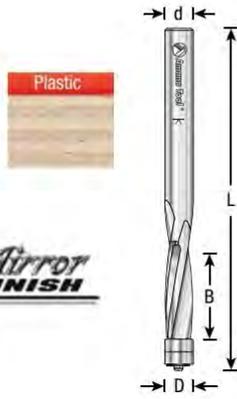
R	ØD	B	Ød	L	Flute	Tool No.
3/32	3/16	1/2	1/4	2-1/2	2	46424-K
1/8	1/4	1/2	1/4	2-1/2	2	46426-K

CNC feed and speed available online



HIGH MIRROR FINISH





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

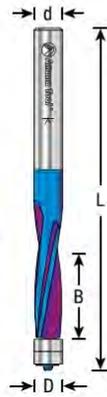
- Plastic
- Acrylic
- Acrylic Stone
- Acrylonitrile Butadiene Styrene (ABS)
- Corian
- Coroplast®
- Fomex®
- Sign Foam
- Poly (methyl methacrylate) (PMMA)
- StarBoard® (King StarBoard 'R')
- High Density Polyethylene Sheet (HDPE)



ØD	B	Ød	L	Tool No.
1/4	3/4	1/4	3	51436 ⑤
1/2	1-1/8	1/2	4	51438

▲ **Warning:** Maximum RPM=35,000

⑤ = 5 packs available. For packs add -5, for example 51436-5.



New 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:

- Acrylic / Plastic
- High Pressure Laminates (HPL)
- Aluminum, Brass, Copper
- Solid Surface
- Sign Foam
- High Density Polyethylene Sheet (HDPE)
- Poly (methyl methacrylate) (PMMA)
- For full material cut list visit www.amanatool.com



ØD	B	Ød	L	Tool No.
1/4	3/4	1/4	3	51436-K

THE ONLY
SPEKTRA™
EXTREME TOOL LIFE COATING

UP TO
2.5X
LONGER LIFE
COMPARED TO UNCOATED BITS

New CNC HIGH POLISH SURFACE FINISH FLATTENING

Solid Carbide • 2 Flute • Up-Cut

This bit is a relatively small surfacing endmill specifically engineered for cutting acrylic and other plastics. It leaves a "crystal clear" (transparent), high-quality surface finish on acrylic, epoxy resin and other plastics. The use of a mist cooling setup and the perfectly trammed CNC machine is recommended in order to achieve best results.



R	ØD	B	Ød	L	Tool No.
0.040	1/2	0.236	1/4	2	43625

THE ONLY
SPEKTRA™
EXTREME TOOL LIFE COATING

New SPIRAL FLUTE PLUNGE WITH CORNER RADIUS

Solid Carbide • 2 Flute • Up-Cut

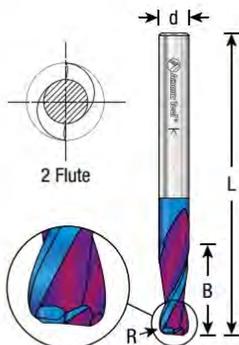
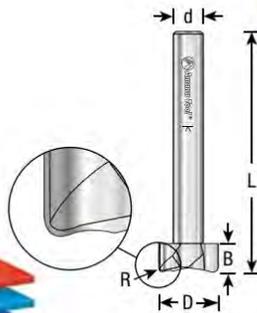
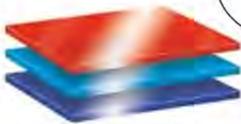
For carving, lettering, decorative doors and sign manufacturing. Leaves an excellent finish and expels chips quickly.

Excellent For Cutting:

- Aluminum
- MDF
- Soft/Hard Plastic
- Softwood/Hardwood



ØD	R	B	Ød	L	Tool No.
1/4	1/16	3/4	1/4	2-1/2	46460-K



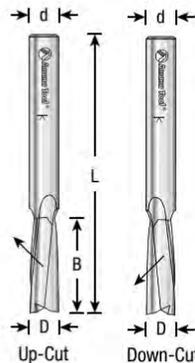
ACRYLIC CUTTING SLOW SPIRAL 'O' FLUTE FINISHER

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

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



ØD	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	3/8	1/4	2-1/2	2	51892 <i>Nov.</i>	—
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

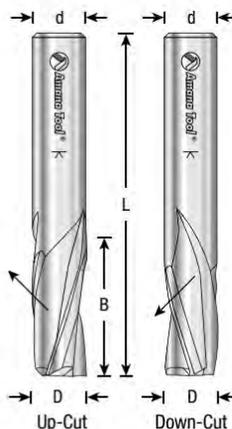
Specially designed to provide an excellent finish in hardwoods, solid surface and hard plastics. Choose 'Up-Cut' if an excellent finish on the bottom of surface is required, or 'Down-Cut' for an excellent finish on the top of surface.



ØD	B	Ød	L	Up-Cut Tool No.	Down-Cut Tool No.
3/8	1	3/8	2-1/2	—	46430 ⑤
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

⑤ = 5 packs available. For packs add -5, for example 46430-5.



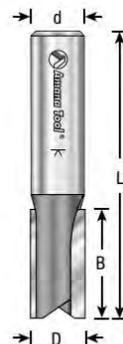
PLASTIC CUTTING

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.
3/8	1	3/8	2-1/2	1	43108
1/4	1	1/4	2-1/4	2	43304



New HIGH SPEED STEEL (HSS) PLASTIC DRILLS

High Speed Steel (HSS) • 5 Pc. Packs

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

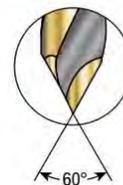
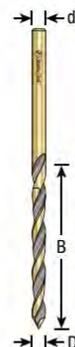
Excellent For Drilling:

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

More Drill Bits
See page 279

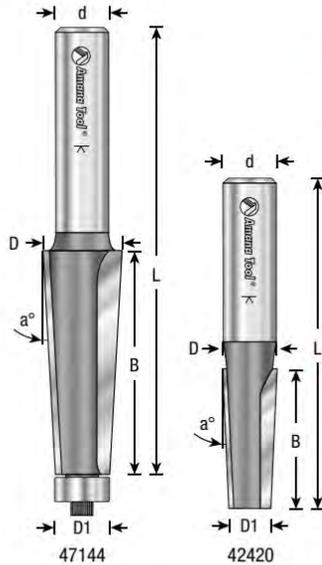


ØD	B	Ød	L	Per Pack	Tool No.
1/8	1-1/2	1/8	2-3/4	5	HSS1520
3/16	2-1/8	3/16	3-1/2	5	HSS1522
1/4	2-7/16	1/4	4	5	HSS1524





Vacuum-forming mold (wooden)



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	3-5/32	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.

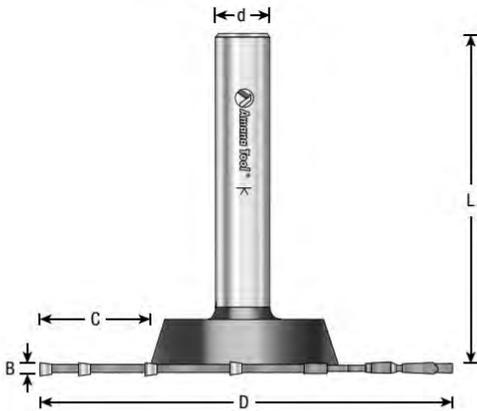
CNC PLASTIC TRIM SAW BLADE AND ARBOR SYSTEM

Carbide Tipped • Right Hand Rotation Cutting

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



ØD	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:

ØD	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).

18-PC. CNC ADVANCED PLASTIC CUTTING

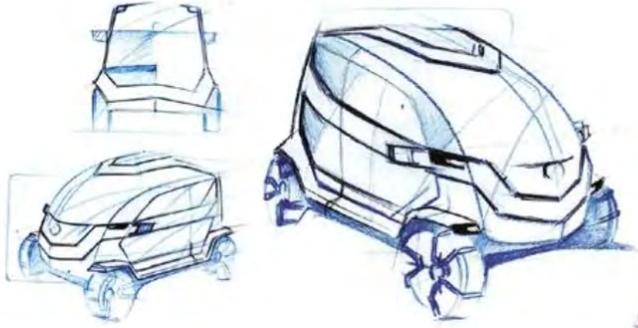
1/4" Shank • Solid Carbide Router Bit Collection

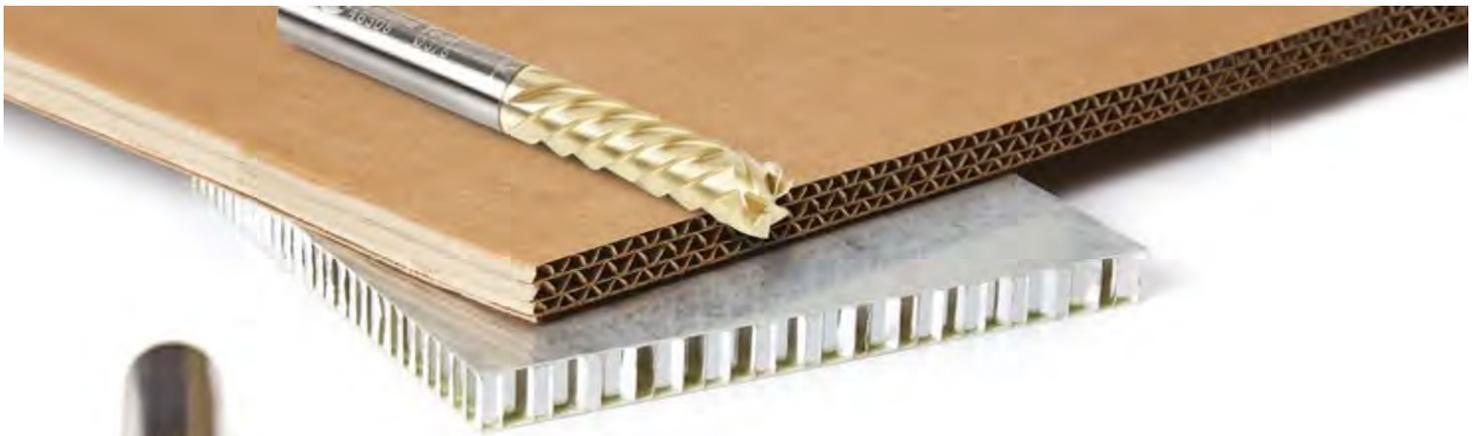


Set #AMS-167 Includes:

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

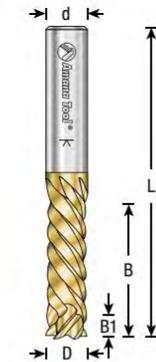
INDUSTRIAL **Composite** cutting solutions!





Excellent for cutting:

- BioBoard™
- Falconboard®
- Aluminum Honeycomb Panel (AHP)
- Carbon Fiber
- Honeycomb Cardboard



Top View



CNC COMPRESSION HONEYCOMB CUTTING

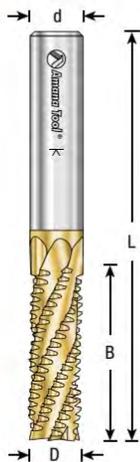
Solid Carbide • 6 Flute

Compression router bits provide a burr-free top and bottom finish, providing that the workpiece is thicker than 0.250". For optimal cutting results use mist lubricant system or air cooling.



ØD	B	B1	Ød	L	Tool No.
1/8	5/8	1/8	1/8	2-1/2	40301
1/4	3/4	1/4	1/4	2-1/2	46302
3/8	1-1/4	1/4	3/8	3	46308

▲ Warning: Maximum RPM=28,000



CNC HONEYCOMB CUTTING HOGGER

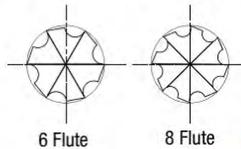
Solid Carbide • 6 & 8 Flute

Designed to cut a large variety of honeycomb materials, hogger geometry is excellent for shredding and chip evacuation while maintaining a smooth surface.

Amana "hogger" style routers for honeycomb composites incorporate a precision-ground "knuckle" profile, allowing a freer-cutting action that reduces power requirements and less sidewall pressure in low output spindles, while giving impressive gains in feed-rates. ZrN coating greatly enhances durability in highly abrasive composites.

Excellent for cutting:

- Honeycomb
- Composite Materials



ØD	B	Ød	L	Flute	Tool No.
1/8	13/16	1/8	2-1/2	6	40304
1/4	1-1/4	1/4	4	6	46306
3/8	2	3/8	4	8	46305
1/2	3	1/2	6	8	46309

▲ Warning: Maximum RPM=25,000



CNC feed and speed available online

END MILL POINT DIAMOND PATTERN, COMPOSITE CUTTING

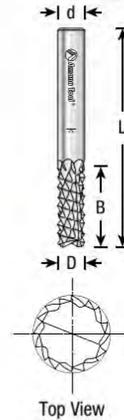
Solid Carbide • 2 Flute

This bit is designed especially for cutting fiberglass, fiberglass PCB Board, composites, phenolic and other highly abrasive materials. Works well on epoxies made with carbon, glass and composite materials. The up-cut/down-cut diamond pattern cutting edges effectively grinds through the material evenly in all directions.



ØD	B	Ød	L	Type of Cut	Tool No.
1/8	1/2	1/8	1-1/2	Ultra-Fine	46087 <i>New</i>
1/8	1	1/8	2-1/2	Ultra-Fine	46088 <i>New</i>
1/4	3/4	1/4	2	Ultra-Fine	46099
1/4	3/4	1/4	2-1/4	Ultra-Fine	46089 <i>New</i>
6mm	19mm	6mm	50mm	Fine	46110-M
1/4	3/4	1/4	2	Fine	46110
1/4	3/4	1/4	2	Coarse	46112
1/2	2-1/8	1/2	4	Coarse	46123

▲ Warning: Maximum RPM=28,000



Excellent for Cutting:

- Composites
- Fiberglass
- Fiberglass PCB Board
- Fiber Reinforced Plastic (FRP)
- G10 / FR-4 and G11 / FR-5 Glass Epoxy Composite Laminate Material
- Glass Reinforced Plastic (GRP)
- Glass Fiber Reinforced Polymer Plastic Materials (GFR)
- Phenolic
- Phenolic "Garolite" G-7

END MILL POINT ROUGHING SPIRAL, COMPOSITE CUTTING

Solid Carbide • 6 Flute • Down-Cut

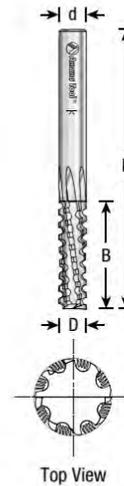
Special grade solid carbide bits feature unique grinding and multi-spiral flute design. Suitable for 'roughing' cuts in hard and abrasive composite materials.

Special grade carbide for maximum durability.

Down-Cut for better clamping when machining small work pieces and improved finish on the top of the board.



ØD	B	Ød	L	Tool No.
1/4	1	1/4	2-9/16	46133



Excellent for Cutting:

- Carbon Fiber
- Composites
- Fiberglass
- Fiber Reinforced Plastic (FRP)
- GFR
- Trespa®



CNC END MILL POINT DIAMOND PATTERN, COMPOSITE CUTTING *New*

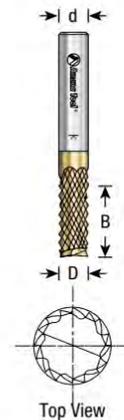
Solid Carbide • 2 Flute

This bit is designed especially for cutting fiberglass, fiberglass PCB Board, composites, phenolic and other highly abrasive materials. Works well on epoxies made with carbon, glass and composite materials. The up-cut / down-cut diamond pattern cutting edges effectively grinds through the material evenly in all directions.

ZrN coating greatly enhances durability in highly abrasive composites.



ØD	B	Ød	L	Tool No.
1/8	3/4	1/4	2	46096-Z



Excellent for Cutting:

- Composite
- Fiberglass
- GFR
- Glass Reinforced Plastic (GRP)
- G10, G11
- Phenolics



**ZrN
COATED**

SPIRAL COMPOSITE, FIBERGLASS AND PHENOLIC CUTTING

Solid Carbide • 2 & 3 Flute • Up-Cut and Down-Cut

Amana's Modern Finishing Geometry (MFG) incorporates high shear, multi-flute and ZrN coating designed for the ultimate combination of finish and tool longevity in aerospace materials. Using these special multi-flute edge tools featuring ZrN ceramic coating, addresses these modern-day material challenges with a winning geometry combination. For full material cut list visit www.amanatool.com

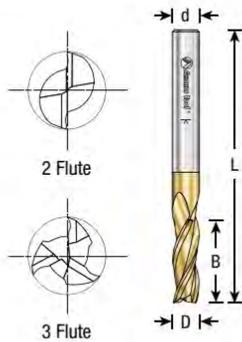
Excellent For Cutting:

- Acrylic Stone
- Aluminum
- Carbon Fiber Reinforced Polymer (CFRP)
- Composite
- Fiberglass
- HDPE
- Lexan™
- Phenolics
- Plastics

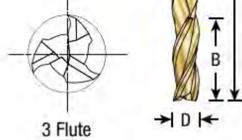


ØD	B	Ød	L	Flute	Up-Cut Tool No.	Down-Cut Tool No.
1/8	1/2	1/4	2	2	46040	—
3/16	5/8	1/4	2	2	46042	—
1/4	3/4	1/4	2-1/2	2	46043	—
3/8	7/8	3/8	2-1/2	2	46045	—
1/2	3/4	1/2	3	2	46047	—
1.2mm	5mm	1/8	35mm	3	46093 †	—
1/8	1/2	1/8	2	3	46091 †	—
1/8	1/2	1/4	2	3	46090	—
3/16	5/8	1/4	2	3	46092	—
1/4	3/4	1/4	2-1/2	3	46094	46097

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



2 Flute



3 Flute



THE ONLY
SPEKTRA™
EXTREME TOOL LIFE COATING

SPIRAL COMPOSITE, FIBERGLASS AND PHENOLIC CUTTING

Solid Carbide • 3 Flute • Up-Cut

For complete details on Spektra™ visit www.amanatool.com/spektra



ØD	B	Ød	L	Flute	Tool No.
6mm	19mm	6mm	63mm	3	48430-K
1/4	3/4	1/4	2-1/2	3	46094-K

GLASS REINFORCED PLASTIC CUTTING SPIRAL

Solid Carbide • 3 & 4 Flute • Up-Cut and Down-Cut

Fiberglass-impregnated materials are well known for their abrasiveness along with a tendency to fray or shred during machining along with heat created by the router bit. The response from Amana Tool® to these challenges is an extremely free-cutting, ZrN coated, multi-edge Glass Reinforced Plastic (GRP) multi-flute tool, that shears the material without shredding or imparting unnecessary heat.

Excellent For Cutting:

- Carbon Fiber Reinforced Polymer (CFRP)
- Composite
- Coroplast®
- Fiberglass
- Fiberglass PCB Board
- Lexan™
- Poly (methyl methacrylate) (PMMA)



ØD	B	Flute	Ød	L	Up-Cut Tool No.	Down-Cut Tool No.
1/8	1/2	3	1/4	2-1/2	51521	—
1/4	3/4	4	1/4	2-1/4	51525	51535

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

Alibre CNC feed and speed available online

CNC CARBON GRAPHITE & CARBON FIBER PANEL CUTTING SPIRAL

Solid Carbide • Down-Cut

The rapidly growing use of Carbon Fiber Reinforced Polymers (CFRP) necessitates tooling designed to effectively meet the challenges of such composites. Designed to produce a minimum failure in composite materials such as layers separating and a significant loss of mechanical toughness. These bits combat abrasion heat and the breakdown of composites for clean, accurate cuts.

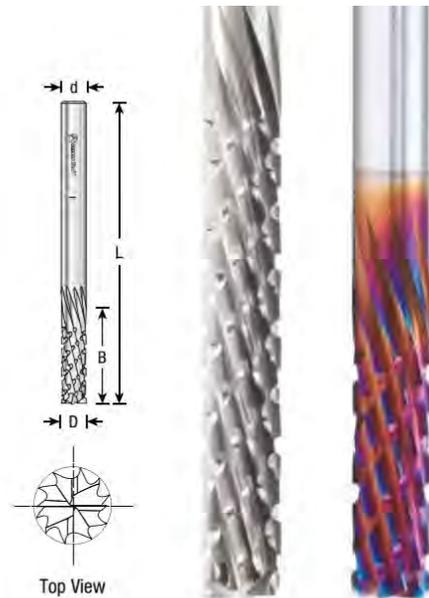


ØD	B	Ød	L	Tool No.
3mm	13mm	3mm	50mm	48450 <i>New</i>
3mm	13mm	3mm	50mm	48450-K
1/8	1/2	1/8	2	46260 † ⑤
1/8	1/2	1/8	2	46260-K †
1/8	1/2	1/4	2	46008-K
3/16	5/8	3/16	2	46262
6mm	19mm	6mm	75mm	48452-K
1/4	3/4	1/4	3	46264
1/4	3/4	1/4	3	46264-K
1/4	1-1/2	1/4	3	46265
3/8	1-1/8	3/8	3-1/2	46266
1/2	1-1/8	1/2	3-1/2	46267
1/2	2-1/8	1/2	4	46268

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

For complete details on Spektra™ visit www.amanatool.com/spektra

⑤ = 5 packs available. For packs add -5, for example 46260-5.



Top View

Excellent for Cutting:

- Carbon Fiber Panels
- Carbon Graphite
- Fiberglass
- FRP & GFR
- Plastic, PVC & Acrylic
- Thermoset Composites
- For full material cut list visit www.amanatool.com



SPIRAL PHENOLIC RESIN COMPOSITE WITH CHIPBREAKER

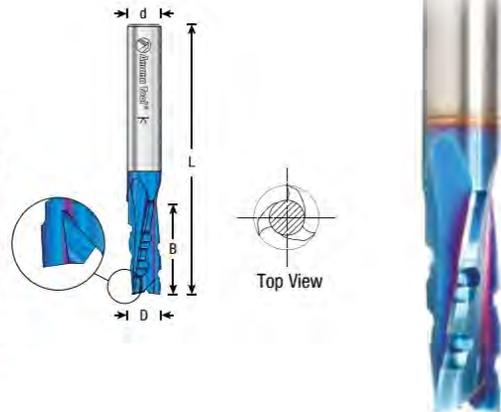
Solid Carbide • 3 Flute • Slow Helix • Up-Cut

Designed especially to cut phenolics resin composite utilizing a chipbreaker that will effectively "shatter and evacuate" the chips. Providing an aggressive bite, combined with a moderate helix, walking the fine line between cutting efficiency and a minimal burr finish on abrasive phenolics oftentimes impregnated with fiberglass, wood or linen.



ØD	B	Ød	L	Tool No.
1/4	3/4	1/4	2-1/2	46150-K
3/8	1	3/8	3	46151-K
1/2	1-1/4	1/2	3-1/2	46153-K ⑤

⑤ = 5 packs available. For packs add -5, for example 46153-K-5.



Top View

CNC 90° COUNTERSINK & CHAMFER COMPOSITE MATERIALS

Solid Carbide (Brazed to Steel Shank) • 5 Flute

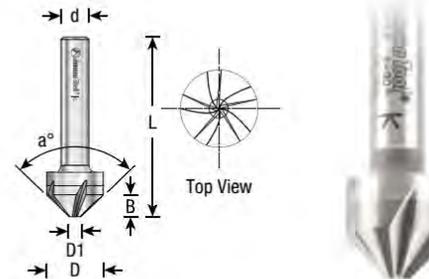
Designed for making 90° countersinks and chamfering. These bits make it possible to chamfer edges, holes and contours with a "contour" or "bore" CNC operation and still have the option to use a sufficient lead-in distance.

Excellent for Cutting:

- Glass Fiber Reinforced Polymer - Plastic Materials (GFR)
- Carbon Fiber Reinforced Polymer - Plastic Materials (CFRP)
- Fiber-Reinforced Plastic (FRP)
- Metal Matrix Composite (MMC)
- Honeycomb



ØD	ØD1	B	a°	Ød	L	Tool No.
1/2	3mm	5mm	90°	1/4	1-9/16	46468
1/2	1/32	1/4	90°	1/4	1-3/4	46467 <i>New</i>

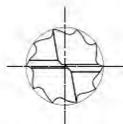
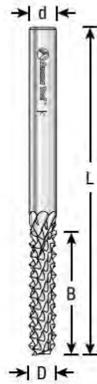


Top View

CNC feed and speed available online



Medium Burr with End Mill Point Top View



135° Drill Point Top View

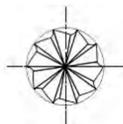


135° Drill Point

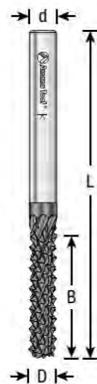


Benefits of AITiN Coating:

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



Burr End Top View



FIBERGLASS & COMPOSITE

Solid Carbide • Medium Burr with End Mill Point

Fiberglass Router (FGR) burrs incorporate reciprocating diamond-fluted geometry, strong negative rake angles and generous fluting to provide the best cutting action in a wide variety of woven resin bond fiberglass and composite materials.

Excellent for Cutting:

- Edging and Slotting Carbon Fiber Reinforced Polymer (CFRP)
- Carbon Fiber
- Composites
- G10 / FR-4 and G11 / FR-5 Glass Epoxy Composite Laminate
- Glass Reinforced Plastic (GRP)
- Micarta®
- Phenolic
- For full material cut list visit www.amanatool.com



ØD	B	Ød	L	Tool No.
1/8	1	1/8	2	48010 †
1/4	3/4	1/4	2-1/2	48011
1/4	1-1/8	1/4	3	48012
1/4	1-1/2	1/4	3	48014

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

FIBERGLASS & COMPOSITE

Solid Carbide • Medium Burr with 135° Drill Point

Combining the proven performance of a diamond-cut geometry with the capacity to plunge while leaving a minimum of top-side burr. 135° drill point minimizes part deflection on thin or otherwise unsupported work-pieces.

For material cut list, see above table.



ØD	B	Ød	L	Tool No.
1/4	3/4	1/4	2	46098
1/4	3/4	1/4	2-1/2	48001

AITiN COATED BITS

HIGH PERFORMANCE FIBERGLASS & COMPOSITE

Solid Carbide • Burr End

Multi-fluted end face for finesse in the grinding process.

AITiN coating provides double the hardness of cutting edges resulting in quantum increases in productivity, either in terms of speed or longevity, with or without coolant.

Excellent for Cutting:

- Edging and Slotting Carbon Fiber Reinforced Polymer (CFRP)
- Carbon Fiber
- Composites
- G10 / FR-4 and G11 / FR-5 Glass Epoxy Composite Laminate
- Glass Reinforced Plastic (GRP)
- Micarta®
- Phenolic
- For full material cut list visit www.amanatool.com



ØD	B	Ød	L	Tool No.
1/8	1/2	1/8	1-1/2	48050-B †
3/16	5/8	1/4	2	48051-B <i>New</i>
1/4	1	1/4	3	48052-B <i>New</i>
1/4	1-1/2	1/4	3-1/2	48053-B <i>New</i>
1/4	2-1/8	1/4	4	48054-B
3/8	1	3/8	3	48055-B
3/8	1-5/8	3/8	3-1/2	48056-B <i>New</i>
1/2	1-1/8	1/2	3	48058-B
1/2	1-5/8	1/2	4	48057-B <i>New</i>
1/2	2-1/8	1/2	4	48059-B <i>New</i>
4mm	16mm	6mm	50mm	48061-B <i>New</i>
6mm	25mm	6mm	75mm	48062-B <i>New</i>
8mm	25mm	8mm	63mm	48063-B <i>New</i>

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

AITiN COATED BITS

HIGH PERFORMANCE FIBERGLASS & COMPOSITE

Solid Carbide • 135° Drill Point

Combination drill/diamond-cut for clean vertical feed for minimum work-piece deflection.

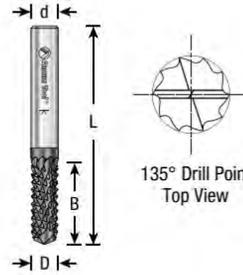
Excellent for Cutting:

- Edging and Slotting Carbon Fiber Reinforced Polymer (CFRP)
- Carbon Fiber
- Composites
- G10 / FR-4 and G11 / FR-5 Glass Epoxy Composite Laminate
- Glass Reinforced Plastic (GRP)
- Micarta®
- Phenolic
- For full material cut list visit www.amanatool.com



ØD	B	Ød	L	Tool No.
1/8	1/2	1/8	1-1/2	48050-D †
3/16	5/8	1/4	2	48051-D <i>New</i>
1/4	1	1/4	3	48052-D <i>New</i>
1/4	2-1/8	1/4	4	48054-D
3/8	1	3/8	3	48055-D
1/2	1-1/8	1/2	3	48058-D
1/2	2-1/8	1/2	4	48059-D <i>New</i>

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



135° Drill Point Top View



135° Drill Point



AITiN COATED BITS

HIGH PERFORMANCE FIBERGLASS & COMPOSITE

Solid Carbide • End Mill

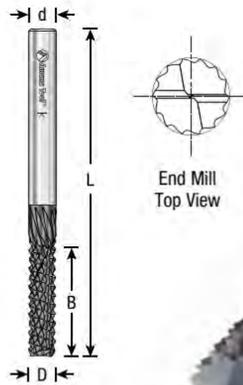
A combination 2 flute end mill/diamond-cut router bit for improved facing finishes on fiberglass and composites.

For material cut list, see above table.



ØD	B	Ød	L	Tool No.
1/8	1/2	1/8	1-1/2	48050-E †
3/16	5/8	1/4	2	48051-E <i>New</i>
1/4	1	1/4	3	48052-E
1/4	1-1/2	1/4	3-1/2	48053-E <i>New</i>
1/4	2-1/8	1/4	4	48054-E
3/8	1	3/8	3	48055-E
3/8	1-5/8	3/8	3-1/2	48056-E <i>New</i>
1/2	1-1/8	1/2	3	48058-E
1/2	2-1/8	1/2	4	48059-E <i>New</i>
4mm	16mm	6mm	50mm	48061-E <i>New</i>
6mm	25mm	6mm	75mm	48062-E <i>New</i>
8mm	25mm	8mm	63mm	48063-E <i>New</i>

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



End Mill Top View



AITiN COATED BITS

HIGH PERFORMANCE FIBERGLASS & COMPOSITE

Solid Carbide • Plain End

The end of this tool has a flat surface to preserve finishes on the perpendicular face.

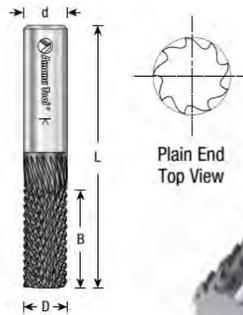
Excellent for Cutting:

- Edging and Slotting Carbon Fiber Reinforced Polymer (CFRP)
- Carbon Fiber
- Composites
- G10 / FR-4 and G11 / FR-5 Glass Epoxy Composite Laminate
- Glass Reinforced Plastic (GRP)
- Micarta®
- Phenolic
- For full material cut list visit www.amanatool.com



ØD	B	Ød	L	Tool No.
1/8	1/2	1/8	1-1/2	48050-N †
1/2	1-1/8	1/2	3	48058-N

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



Plain End Top View





DIAMOND GRIT SPIRAL WITH ELECTRO-PLATED DIAMONDS

3 Flute • Down-Cut • Alloy Steel End Mill

These tools offer outstanding finishes in the most abrasive of glass fiber or Carbon-Fiber-Reinforced Polymer (CFRP) applications. Combining a down-cut spiral with ultra-abrasion resistant embedded diamonds. Excellent for superb top finishes and outstanding performance. For use on routers and machining centers with or without CNC systems. Must secure work-piece.

Grit size D501 micron.

Excellent For Cutting:

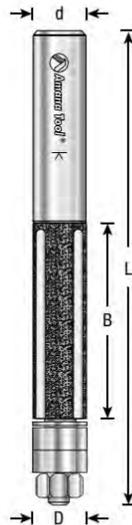
- Carbon Fiber
- Metal Matrix Composite (MMC)
- Composites
- Carbon Fiber Reinforced Polymer (CFRP)
- Fiberglass
- Fiberglass PCB Board



ØD	B	Ød	L	Tool No.
1/4	1-1/8	1/4	3	44110
1/4	1-3/8	1/4	3	44112
3/8	1-3/8	3/8	3	44114



Perfect for the automotive, aviation, aerospace, boat and RV industries.



DIAMOND COATED FIBERGLASS, CARBON FIBER AND COMPOSITE

Flush Trim Grit with Ball Bearing • Extended Tool Life

This tool has a special diamond coating which results in longer tool life than the electro-plated brazing method. Diamond grit size is D427 (µm) / 40# (Mesh).

Used in the mobile/motor home, caravan, star wagon, trailer, coach, boat and RV industries to trim laminated fiberglass boards. Cuts fast and clean.

Excellent for Cutting:

- Carbon Fiber
- Composite
- Fiberglass
- Fiberglass PCB Board
- Metal Matrix Composite (MMC)
- Carbon Fiber Reinforced Polymer (CFRP)



ØD	B	Ød	L	Repl. Bearing	Tool No.
1/4	3/4	1/4	2-9/16	47723 (1)	44101
1/4	1	1/4	2-9/16	47723 (1)	44102
3/8	1	1/4	2-5/8	47702 (1)	44103
1/2	1	1/2	3-1/4	47706 (1)	44105
1/2	1-3/4	1/2	4-1/4	47706 (2)	44100

Replacement Nut #67086.

Note: #44100 features double ball bearings



Single Bearing

Double Bearing

INDUSTRIAL

Panel Pilot Router Bits

- Perfect for the RV & mobile home industry
- Perfect for construction of standard and custom designed wall panels, floor and roof trusses
- Super clean cuts



HIGH PRECISION PANEL PILOT

Carbide Tipped • Single Flute • Heat Treated

Designed for fast cut-out work and is used extensively in the mobile/motor home, caravan, star wagon, trailer, coach and RV industries. This single-flute cuts fast and produces an excellent finish. They have a pointed tip for plunge cuts, a special grind for speed and an integral solid pilot.



ØD	B	Ød	L	Tool No.
1/4	3/4	1/4	2-1/2	45506
3/8	1	1/4	2-7/8	45507
3/8	1	3/8	3	45508
1/2	1-3/16	1/2	3-1/2	45510
1/2	2	1/2	4-3/4	45511

HIGH PRECISION PANEL PILOT PLUNGE New

Carbide Tipped with Center Pilot • Single Flute • Heat Treated

Designed with a pointed tip for plunge cuts, a special grind for speed and an integral solid pilot. Great for fast cut-out work and is used extensively in the mobile/motor home, caravan, star wagon, trailer, coach and RV industries. This single-flute cuts fast and produces an excellent finish.



ØD	B	Ød	L	L1	L2	F	Tool No.
1/2	1-1/16	1/2	4-1/2	2-7/8	1-1/4	3/8	51329

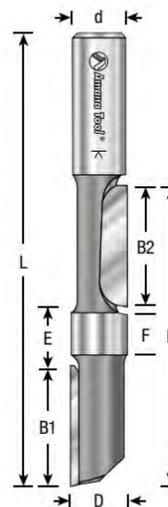
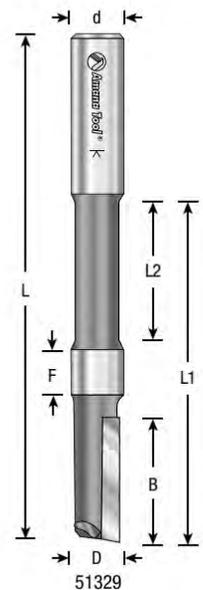
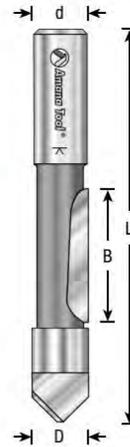
HIGH PRECISION STAGGER TOOTH PLUNGE PANEL

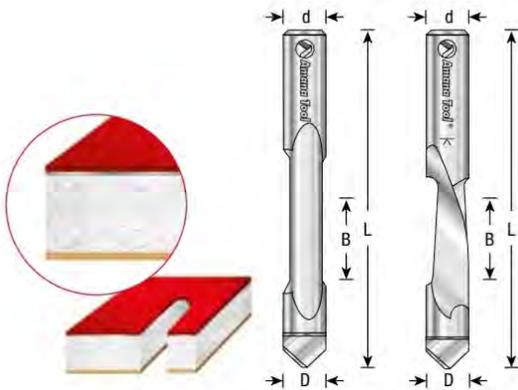
Carbide Tipped with Center Pilot • Heat Treated

This version of the panel pilot bit has a stagger-tooth configuration for fast, clean cuts, coupled with a solid pilot between the cutting edges. Designed specifically for the caravan, star wagon, trailer, coach, mobile/motor home and RV-manufacturing industries to cut openings in ceilings and sidewalls. It can be used in any setup that has a template between the materials to be cut.



ØD	B	Ød	L	B1	B2	E	F	Tool No.
1/2	2-13/16	1/2	4-1/4	1-1/8	1-3/16	3/8	1/2	51314





PANEL PILOT

High Speed Steel (HSS) • Single Flute

The ultimate boring/pilot bit! These HSS panel pilot bits are long lasting and perfect for mobile/motor homes, modular homes, caravans, star wagons, trailers, coaches, RV industries and shed manufacturers.

Perfect for wood panels, vinyl coated panels and aluminum layered material.



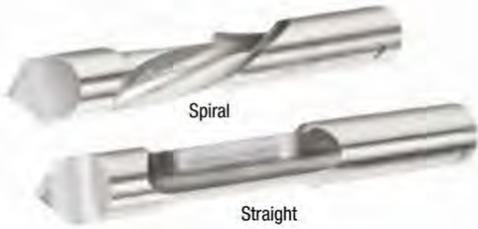
Straight

ØD	B	Ød	L	Tool No.
1/4	5/8	1/4	2-3/4	HSS11004
3/8	7/8	3/8	3-1/8	HSS11002
1/2	1	1/2	3-5/8	HSS11006

Spiral

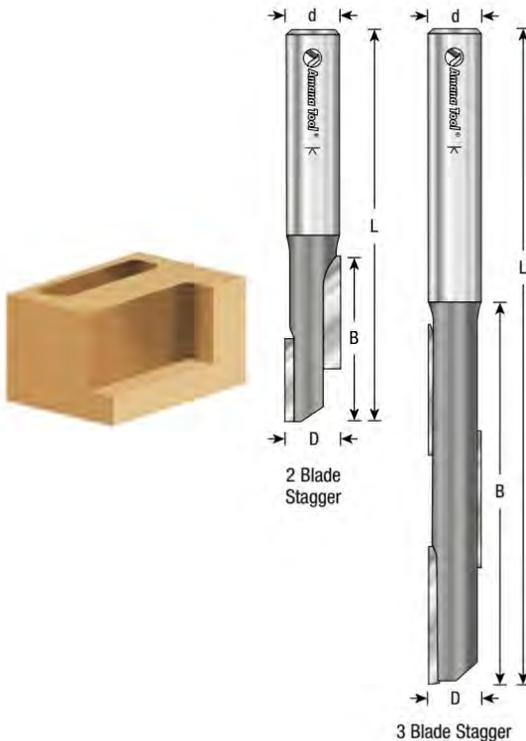
The 'Down-Cut' design ejects the chips away from the operator. Perfect for drywall, wallboard, vinyl coated panels, aluminum and plywood sandwich panels.

ØD	B	Ød	L	Tool No.
1/4	5/8	1/4	2-3/4	HSS11003
3/8	3/4	3/8	3-1/8	HSS11001
1/2	1	1/2	3-1/2	HSS11005



Spiral

Straight



STAGGER TOOTH PLUNGE CUTTING

Carbide Tipped

Two cutting edges spaced 180 degrees apart, each half the length of its flute. One extends from the tip to the middle of the flute, the other from the middle to end. The configuration combines the cutting speed and chip clearance of a single-flute bit with the finish of a double-flute bit. Excellent bit for cutting dense or abrasive man-made materials and panel goods.



2 Blade Stagger

ØD	B	Ød	L	Tool No.
1/4	1	1/4	2-1/4	51300
3/8	1-3/8	3/8	3	51302
3/8	1-1/2	1/2	3-1/8	51304
1/2	1-1/2	1/2	3-1/8	51306
1/2	2	1/2	4-1/4	51308
1/2	2-1/8	1/2	4-1/4	51309
1/2	2-1/4	1/2	4-1/2	51310*
1/2	2-1/2	1/2	4-1/2	51311
1/2	2-5/8	1/2	4-3/4	51313
1/2	2-5/8	1/2	5-1/2	51323
5/8	2	1/2	4	51315

* 51310 is applicable for use for CNC machines

Extra Long 3 Blade Stagger

ØD	B	Ød	L	Tool No.
1/2	3-1/2	1/2	6-1/4	51325



INDUSTRIAL

Diamond

Polycrystalline Diamond (PCD)

- Harder cut edge provides high wear resistance
- Cut thousands of feet more than carbide without changing the tool which saves setup time
- Optimized machine tool efficiency
- Quality of finish is often significantly improved

If you're looking for the ultimate in tooling, you've found it! Our Polycrystalline Diamond (PCD) tipped router bits will cut a wide variety of tough, abrasive materials including composites, particleboard, MDF (raw or with melamine), veneer, hardwoods, plastic and solid surface. The cutting edge lasts much longer than carbide for extremely long life.



CNC PCD COMPRESSION UP/DOWN SHEAR

Diamond Tipped with Plunge Point • Right Hand Rotation

Diamond is the hardest material on the earth. 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.

Compression with carbide plunge point. For grooving, jointing & rabbeting in composite materials (particleboard, MDF raw or with melamine, veneer, hardwood, etc). Up/Down-shear for double sided material.

Excellent for Cutting:

- Aluminum
- Aluminum Composites
- Aluminum Composite Material (ACM)
- Composites
- Composite Panels
- Custom Composite Materials (CCM)
- Fiberglass
- Fiberglass PCB Board
- Fiberglass Reinforced Composites

- Fiber-Reinforced Urethane
- Fiber-Reinforced Structural Foam Floors
- Hard and Soft Wood
- Lightweight Composites
- MDF & Laminate
- Plastic



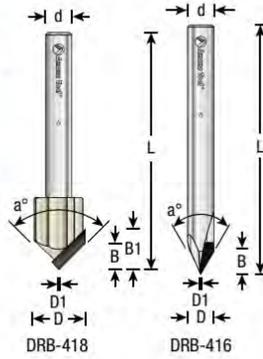
ØD	B	Ød	L	L1	Flute	Tool No.
1/2	1	1/2	2-3/4	1-3/8	1+1	DRB-200 ▲ ²⁴
1/2	1-3/8	1/2	3-3/4	1-3/4	1+1	DRB-208 ▲ ²⁴
3/4	1-3/8	3/4	3-3/4	1-1/2	1+1	DRB-224 ▲ ¹⁸ New
3/8	1-1/4	3/8	3	1-1/2	1+1	DRB-192 ▲ ²⁴
5/8	1	1/2	2-7/8	1-3/8	1+1	DRB-212 ▲ ¹⁸
5/8	1-5/8	5/8	4	1-3/4	1+1	DRB-216 ▲ ¹⁸
1/2	3/4	1/2	2-3/4	1-49/64	2+2	DRB-240 ▲ ²⁴ New
1/2	7/8	1/2	2-3/4	1-37/64	2+2	DRB-242 ▲ ²⁴ New
1/2	1-3/8	1/2	3-47/64	1-31/32	2+2	DRB-244 ▲ ²⁴ New
1/2	1-3/8	1/2	3-47/64	1-31/32	3+3	DRB-250 ▲ ²⁴ New

▲¹⁸ Maximum RPM =18,000, ▲²⁴ Maximum RPM =28,000



CNC feed and speed available online

INDUSTRIAL DIAMOND TIPPED ROUTER BITS



DIAMOND TECHNOLOGY

PCD CNC ENGRAVING, V-GROOVING AND CHAMFERING

Diamond Tipped • Single & 2 Flute

If you're looking for the ultimate in tooling, you've found it! Amana's PCD tipped 60° Engraving, V-Groove and Chamfering CNC router bits will engrave, groove and chamfer a wide variety of tough, abrasive materials including Carbon Fiber, Aluminum, MDF (both raw or with melamine), Plywood Veneer and hardwoods. The cutting edge lasts much longer than carbide for extremely long life.

For full material cut list visit www.amanatool.com



a°	ØD	D1	B	B1	Ød	L	Flute	Tool No.
90°	1/2	0.004"	1/4	3/8	1/4	2-1/4	1	DRB-418
90°	1	0.004"	1/2	9/16	1/2	2-3/4	1	DRB-417 <i>New</i>
120°	1-1/2	0.004"	0.43	9/16	1/2	3	1	DRB-419 <i>New</i>
60°	1/4	0.005"	1/8	-	1/4	2-3/8	2	DRB-416

▲ Warning: Maximum recommended material depth in one pass varies from 0.5mm - 3.0mm depending on the hardness of the material. The harder the material the less the depth.

Excellent for Cutting:

- Aluminum
- Aluminum Composites
- Aluminum Composite Material (ACM)
- Composites
- Composite Panel
- Custom Composite Materials
- Fiberglass
- Fiberglass Reinforced Composites
- Fiber-Reinforced Structural Foam Floors
- Fiber-Reinforced Urethane
- Laminate
- Lightweight Composites
- MDF
- Particleboard
- Plastic
- Plywood Veneer



PCD STRAIGHT PLUNGE

Diamond Tipped • 2 Flute

Excellent for cutting composite panels and fiberglass. The diamond-tipped cutting edges last much longer than carbide-tipped tooling. In the long-run, PCD is the most economical choice.



ØD	B	Ød	L	Max RPM	Tool No.
1/4	3/4	1/4	3	12,000	DRB-420
1/2	3/4	1/2	4	24,000	DRB-424

PCD STRAIGHT PLUNGE

Diamond Tipped • Single & 2 Flute Down-Shear

The diamond-tipped cutting edges last much longer than carbide-tipped tooling. In the long-run, PCD is the most economical choice.

For full material cut list visit www.amanatool.com



ØD	B	Ød	L	Flute	Tool No.
1/4	12.32mm (1/2)	1/4	2-3/8	1	DRB-421
3/8	15.35mm (5/8)	3/8	3	1	DRB-422
1/2	15.00mm (5/8)	1/2	2-3/4	2	DRB-423



PCD ACM DOUBLE EDGE FOLDING

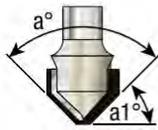
*V-Groove for Shaping Aluminum Composite Material Panels
2 Flute • Diamond Tipped*

Designed for shaping Aluminum Composite (sandwich) Materials with 90° angle V-grooves with flat bottom. Widely used for cladding many diverse exterior and interior applications. The long lasting durability of the material makes it an excellent choice for buildings, signage, displays, etc. Routing V-shaped grooves, whereby the aluminum cover and a part of the polyethylene core is removed, allows for folding the remaining material. Ideal for wall panel fabrication.

PCD provides excellent cutting surfaces and extremely long life. Also optimal for panels with mineral core which may meet fire regulations.

Excellent for Cutting and Scoring:

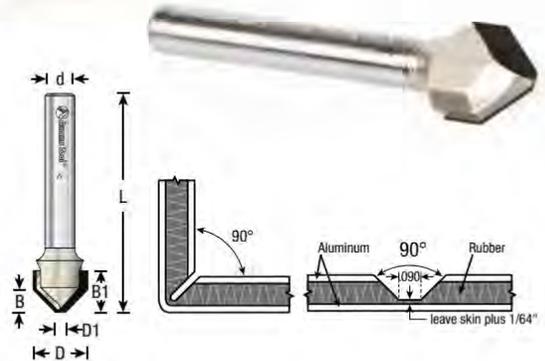
- Acetate
- Aluminum, Clay, Brass, Bronze, Zinc & Wood Composite Panels
- ACM
- Aluminum Composite Panel (ACP)
- ALPOLIC® Copper Composite Material (CCM)
- Alucobond®
- Alupanel®
- Bakelite
- Dibond®
- Durabond
- e-panel™
- Etalbond®
- Nylon
- Phenolics
- Plastic/Acrylic
- Plexiglas®
- PVC
- Titanium Composite Material (TCM)
- Wood



a°	a1°	ØD	ØD1	B	B1	Ød	L	Tool No.
90°	45°	1/2	0.090" (2.3mm)	13/64	3/8	1/4	2	DRB-450



CNC feed and speed available online



PCD FLUSH TRIM FOR MDF/LAMINATE, ACM & ALUMINUM

Diamond Tipped • 2 Flute with Ball Bearing Guide

Diamond is the hardest material on the earth. 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's PCD-tipped flush trim CNC router bits will trim a wide variety of tough, abrasive materials including composites, particleboard, MDF (raw or with melamine), veneer and hardwoods. The cutting edge lasts much longer than carbide for extremely long life.

The ultimate flush trim bit for ACM and aluminum. The diamond-tipped cutting edges last much longer than carbide-tipped flush trims, saving you time and money.

Excellent for Flush Trimming:

- ACM
- ACP
- Aluminum, Clay, Zinc & Wood Composite Panels
- Aluminum
- ALPOLIC® CCM
- Alucobond®
- Alupanel®
- Composites
- Composite Materials
- Dibond®
- Durabond**
- e-panel™
- Etalbond®
- Fiber-Reinforced Urethane
- Fiber-Reinforced Structural Foam Floors
- Fiberglass Reinforced Composites
- Lightweight Composites
- MDF Laminates
- TCM

ØD	B	Ød	L	Tool No.
1/2	7/16	1/4	2-19/64	DRB-400
1/2	1	1/4	2-53/64	DRB-404

Replacement parts: Bearing #47706; Screw #67018; Washer #67082.



CNC feed and speed available online



Benefits of PCD 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





CNC PCD BALL NOSE

Diamond Tipped • 2 Flute

If you're looking for the ultimate in tooling you've found it! Our PCD ball nose router bits are designed to eliminate tool marks that commonly appear when used with plastic and solid surface materials. The cutting edge lasts much longer than carbide for extremely long life. Diamond is the hardest material on the earth. 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.

Excellent for Cutting:

- Carbon Fiber Reinforced Plastic (CFRP)
- Composites
- Plastic
- Wood



R	ØD	B	Ød	L	Max RPM	Tool No.
1/8	1/4	3/8	1/4	2-1/2	18,000	DRB-432
3/8	3/16	1/2	3/8	3	28,000	DRB-433 <i>New</i>
1/4	1/2	1/2	1/2	3	28,000	DRB-434 <i>New</i>
3/8	3/4	3/4	1/2	3	28,000	DRB-435 <i>New</i>

CNC PCD LAMELLO P-SYSTEM

Diamond Tipped • 1 Flute **New**

Designed for making the groove for Lamello P-System with CNC router with 3 and/or 5 axis. Suitable for making Clamex P connecting fitting (Clamex P - Tenso P - Divario P) for furniture, shelves unit and kitchen.

Excellent for Grooving Corner and Longitudinal Joints:

- Hardwood
- Veneered and Laminated MDF

Benefits of PCD 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



ØD	B	Ød	L	Tool No.
9.8mm	20mm	12mm	80mm	DRB-LAM99

CNC DIAMOND-LIKE CARBON (DLC) LAMELLO P-SYSTEM

Diamond Tipped • 2 Flute **New**

Diamond-Like Carbon (DLC) is a nanocomposite coating that has unique properties of natural diamond low friction, high hardness and high corrosion resistance.

Suitable for making the groove for Lamello P-System with CNC router with 3 and/or 5 axis. RH Rotation.

Suitable for making Clamex P Connecting Fitting (Clamex P - Tenso P - Divario P) for furniture, shelves unit and Kitchen. Recommended for grooving corner and longitudinal joints on Hardwoods, Veneered and Laminated MDF.

Excellent for Grooving Corner and Longitudinal Joints:

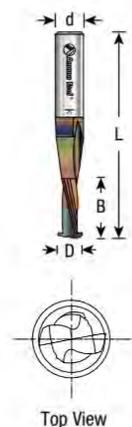
- Hardwood
- Veneered and Laminated MDF



ØD	B	Ød	L	Tool No.
9.8mm	23mm	12mm	80mm	59740

Benefits of the DLC coating:

- Up to 3 times longer life
- Smoother surface resulting in finer cuts
- High corrosion resistance



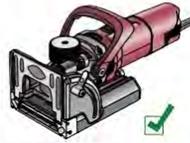


PCD LAMELLO JOINTS CUTTER **New**

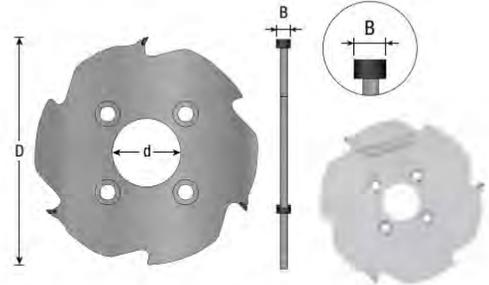
Diamond Tipped • 3 Teeth

To be used hand Joints machines. Manual Feed.

For Lamello Clamex S Classic Biscuit joints. To be used on Lamello Zeta, Top 20, Top 21, Classic X. To be used both in CNC machines and Zeta P2 hand power tool.



Recommended for grooving corner and longitudinal joints on hardwoods, veneered and laminated MDF.



ØD	Teeth	Ød	B (Kerf)	Pinholes	3/4" CNC Adapter	Tool No.
100.4mm	3	22mm	5/32	4/4/36	47656	LAM100T3-22PCD

Warning: Maximum RPM=15,000

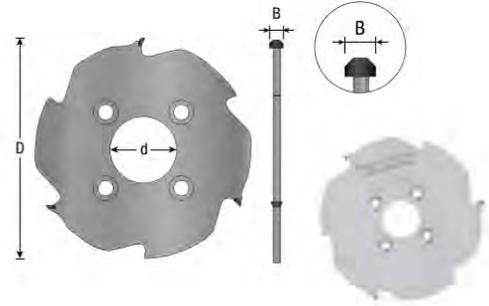


PCD LAMELLO JOINTS CLAMEX P CUTTER

Diamond Tipped • 3 & 6 Teeth

To be used both in CNC machines and Zeta P2 hand power tool (29mm bore). Use adapter for CNC use.

Recommended for grooving corner and longitudinal joints on hardwoods, veneered and laminated MDF with the P system anchorage. Suitable for making furniture.

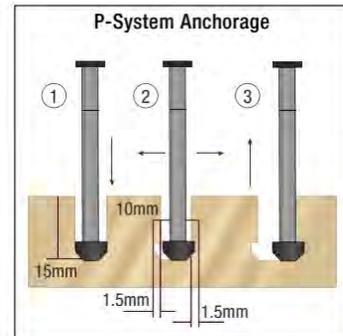


ØD	Teeth	Ød	B (Kerf)	Pinholes	3/4" CNC Adapter	Tool No.
100.4mm	3	22mm	7mm (9/32)	4/4/36	47656	LAM100T3-PCD
100.4mm	3	30mm	7mm (9/32)	4/6/48	47654	LAM100T3-30PCD <i>New</i>
100.4mm	6	30mm	7mm (9/32)	4/6/48	47654	LAM100T6-30PCD <i>New</i>

Warning: Maximum RPM=15,000



Lamello Joints Cutter Shown Mounted to CNC Arbor



CNC ARBOR FOR LAMELLO **New**

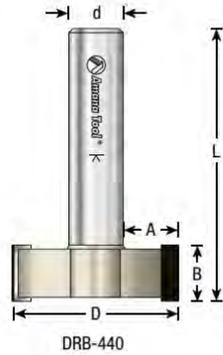
Use with Lamello Joints Cutter Blades

To be used both with our item LAM100T3-PCD, LAM100T3-30PCD & LAM100T6-30PCD (Lamello Clamex-P) and with any circular saw blades up to 200mm diameter.



ØD	ØD1	Ød	L	Pinholes	For Use With	Tool No.
60mm	22mm	3/4	90mm	4/4/36	LAM100T3-PCD & LAM100T3-22PCD	47656
60mm	30mm	3/4	90mm	4/6/48	LAM100T30-PCD & LAM100T6-30PCD	47654





CNC PCD SPOILBOARD SURFACING & RABBETING

Diamond Tipped • 2 Flute

Diamond is the hardest material on the earth. The cutting edge lasts much longer than carbide for extremely long life. Our PCD-tipped compression CNC router bits will groove joint rabbet and surface plane a wide variety of tough abrasive materials. **Perfect for surfacing, finishing using timber slab machines and planing large glued up panels.**

Excellent for Cutting:

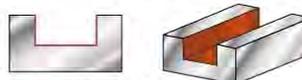
- Aluminum, Bronze & Copper
- Aluminum Composites
- ACM
- Composites
- MDF
- Particleboard
- Plywood Veneer
- Wood



Milling / Surfacing / Facing



Shouldering / Rabbeting



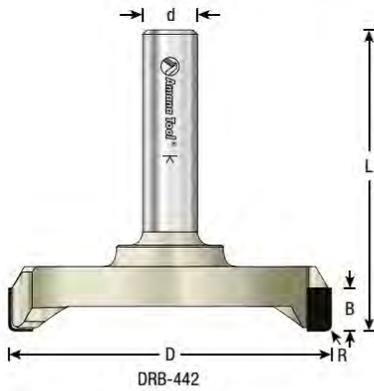
Slotting / Grooving



Use "Ramp Down" Technique



ØD	B	R	A	Ød	L	Max RPM	Tool No.
1-1/2	1/2	-	3/8	1/2	2-1/2	14,500	DRB-440
3 (75mm)	13/32 (10mm)	1/16	-	1/2	2-3/4	18,000	DRB-442 <i>New</i>
4 (101mm)	13/32 (10mm)	1/16	-	1/2	2-3/4	18,000	DRB-444 <i>New</i>



Benefits of PCD 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



CNC feed and speed available online



CNC PCD T-SLOT

Diamond Tipped • 2 Flute

T-Slot diamond tipped router (standard T-Slot). Re-sharpen one to two times. Right hand rotation. The diamond-tipped cutting edges last much longer than carbide-tipped tooling. In the long-run, PCD is the most economical choice.

If you're looking for the ultimate in tooling you've found it! Our PCD-tipped T-slot CNC router bits will groove a wide variety of tough abrasive materials including composites, particleboard, MDF (raw or with melamine), veneer and hardwoods.

Excellent for Cutting:

- Aluminum
- Aluminum Composites
- Aluminum Composite Material (ACM)
- Composites
- Hardwood
- MDF
- Melamine
- Particle Board



ØD	D1	B	B1	Flute	Ød	L	Max RPM	Tool No.
1-3/8	3/8	1/4	1/16	2+1	1/2	2-3/8	30,000	DRB-300-RH



CNC feed and speed available online



INDUSTRIAL

Signmaking

at its finest!

INDUSTRIAL
CNC
V-GROOVE
ROUTER BITS
 WITH SOLID CARBIDE INSERTS



CNC V-GROOVE, MITER FOLD, SIGNMAKING & LETTERING - 1/4" & 1/2" SHANK

Insert Carbide • Single Flute & 2 Flute • 40° to 160°

Designed for V-Grooving, signmaking, lettering, miter folding and chamfering your material to a perfect joint! Excellent solution for etching.

For the best finishing results, blow cold air on the cut area while cutting, with a low feed rate of 500-1,000mm/min at RPM 6,000-10,000.

General purpose knives included.

For material cut list see next page.



a°	a1°	ØD	B	B1	Flute	Edges	Ød	L1	L	Gen. Purpose Repl. Knife	Optional MDF Repl. Knife	Torx Screw	Max RPM	Tool No.
40°	20°	47/64	1	1-1/16	1	1	1/4	1-3/8	2-9/16	RCK-57	RCK-367	67117	28,000	RC-1041
40°	20°	47/64	1	1-1/16	1	1	1/2	1-1/2	2-9/16	RCK-57	RCK-367	67117	28,000	RC-1040
45°	22.5°	13/16	63/64	1-1/16	1	1	1/4	1-3/8	2-5/16	RCK-56	RCK-350	67117	35,000	RC-1145
45°	22.5°	21mm	25mm	27mm	1	1	6mm	35mm	59mm	RCK-56	RCK-350	67117	35,000	RC-1145-M <i>New</i>
45°	22.5°	13/16	1	1-1/16	1	1	1/2	1-3/8	2-3/8	RCK-56	RCK-350	67117	24,000	RC-1045
45°	22.5°	13/16	1	1-1/16	1	1	1/2	2-1/2	3-21/32	RCK-56	RCK-350	67117	18,000	RC-1049
46°	23°	27/32	63/64	1-1/16	1	1	1/2	1-3/8	2-3/8	RCK-56	RCK-350	67117	24,000	RC-1047
50°	25°	7/8	31/32	1-1/16	1	1	1/2	1-1/2	2-9/16	RCK-56	RCK-350	67117	22,000	RC-1046
60°	30°	15/32	21/64	25/64	1	2	1/4	1-1/8	1-15/16	RCK-524	—	67117	24,000	RC-1147 <i>New</i>
60°	30°	1-1/16	29/32	1-1/16	1	1	1/2	1-3/8	2-7/16	RCK-56	RCK-350	67117	24,000	RC-1108
60°	30°	27mm	23mm	27mm	1	1	6mm	29mm	61mm	RCK-56	RCK-350	67117	24,000	RC-1148-M
60°	30°	1-1/16	59/64	1-1/16	1	1	1/4	1-1/8	2-25/64	RCK-56	RCK-350	67117	24,000	RC-1148
70°	35°	1-7/32	7/8	1-1/16	1	1	1/2	1-1/2	2-9/16	RCK-56	RCK-350	67117	18,000	RC-1048
72°	36°	1-1/4	7/8	1-1/16	1	1	1/2	1-1/2	2-19/32	RCK-56	RCK-350	67117	18,000	RC-1072*
90°	45°	1	1/2	47/64	1	2	1/4	1-1/8	2	RCK-520	RCK-522	67117	24,000	RC-1141 <i>New</i>
90°	45°	1-1/2	3/4	1-1/16	1	2	1/4	1-3/8	2-5/8	RCK-134	RCK-351	67117	35,000	RC-1142
90°	45°	39mm	20mm	27mm	1	2	6mm	35mm	67mm	RCK-134	RCK-351	67117	18,000	RC-1142-M <i>New</i>
90°	45°	1-1/2	3/4	1-1/16	1	2	1/2	1-25/32	3	RCK-134	RCK-351	67117	18,000	RC-1102
91°	45.5°	1-1/2	3/4	1-3/64	1	2	1/4	1-3/8	2-19/32	RCK-119	RCK-352	67117	18,000	RC-1140
91°	45.5°	1-1/2	3/4	1-1/16	1	2	1/2	1-25/32	3	RCK-119	RCK-352	67117	18,000	RC-1100
100°	50°	1-5/8	11/16	1-1/16	1	2	1/2	1-25/32	3-3/16	RCK-119	RCK-352	67117	18,000	RC-1103
110°	55°	1-3/4	5/8	1-1/16	1	2	1/2	2	3-3/16	RCK-119	RCK-352	67117	18,000	RC-1105
120°	60°	1-23/64	25/64	25/32	1	2	1/4	1-27/64	2-31/64	RCK-139	RCK-348	67115	14,000	RC-1146
120°	60°	35mm	10mm	20mm	1	2	6mm	35mm	64mm	RCK-139	RCK-348	67115	18,000	RC-1146-M <i>New</i>
120°	60°	2-1/32	9/16	1-5/32	2	1	1/2	2	3-1/16	RCK-136	RCK-353	67139	18,000	RC-1104†
130°	65°	2-1/8	1/2	1-5/32	2	1	1/2	2	3	RCK-136	RCK-353	67139	22,000	RC-1107
140°	70°	2-13/64	13/32	1-11/64	2	1	1/2	2	3-1/16	RCK-59	RCK-346	67117	18,000	RC-1110
140°	70°	3-5/64	1/2	1-1/2	2	1	1/2	1-31/32	3-3/16	RCK-347	—	67139	16,000	RC-1111
150°	75°	1-33/64	13/64	25/32	1	2	1/4	1-27/64	2-3/8	RCK-139	RCK-348	67115	24,000	RC-1101
150°	75°	2-1/4	19/64	1-5/32	2	1	1/2	2	2-15/16	RCK-137	RCK-354	67115	22,000	RC-1106
160°	80°	2-5/16	13/64	1-5/32	2	1	1/2	2	2-25/32	RCK-137	RCK-354	67115	22,000	RC-1109

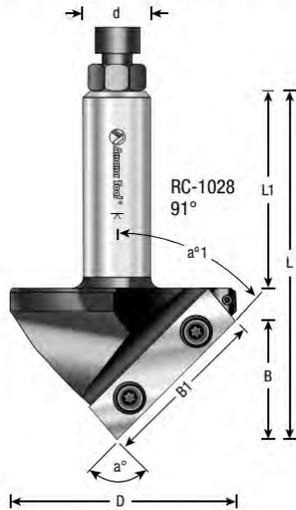
* RC-1072 will make a 5 sided box. † RC-1104 is suitable for cutting Cristal Plexiglas®.

Item #'s RC-1100, RC-1102, RC-1103, RC-1105 & RC-1142 allows you to get two uses out of each insert. Once insert knife show signs of wear you can rotate the insert for a brand new cutting edge.

CNC V-GROOVE, MITER FOLD, SIGNMAKING & LETTERING - 3/4" SHANK

Insert Carbide • Single Flute & 2 Flute • 45° to 120°

Innovative CNC tool design uses the highest grade carbide insert knives. Designed for V-Grooving, signmaking, lettering, miter folding and chamfering your material to a perfect joint! Excellent solution for etching. Complete with general purpose knives.



Create the Perfect 91° Miter Fold with RC-1028 or RC-1100



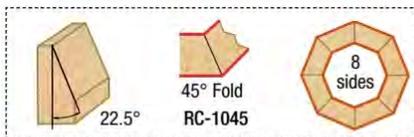
Excellent For Cutting:

- Composites
- Composite Decking
- Foam
- High Pressure Laminate (HPL)
- King ColorCore®
- Melamine
- MDF/HDF
- Plastic
- PVC
- Sign Board
- Solid Surface
- Veneered Plywood
- Wood
- Xanita® Board*
- 20lbs High Density Urethane

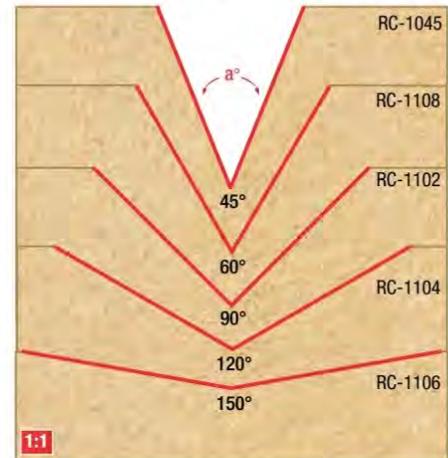
*When working with Xanita LightBoard panel (X-board®, X-board® plus) we recommend using optional MDF knives for better results.

Excellent For Engraving:

- Aluminum
- Brass
- Bronze
- Copper
- Gold
- Silver
- Carbon Fiber



V-Groove, Engrave and Chamfer Cuts



a°	a°1	ØD	B	B1	Ød	Flute	Cutting Edges	L1	L	Gen. Purpose Repl. Knife	Optional MDF Repl. Knife	Torx Screw	Max RPM	Tool No.
45°	22.5°	1-1/2	1-3/4	1-15/16	3/4	1	1	2-3/16	4-1/4	RCK-58	RCK-349	67117	18,000	RC-1031 ★
90°	45°	2-5/8	1-9/32	1-27/32	3/4	1	2	2-5/32	3-13/16	RCK-133	RCK-355	67110	18,000	RC-1030 ★
90°	45°	3	1-1/2	2-1/8	3/4	1	2	2-1/8	4-23/64	RCK-138	RCK-359	67115	18,000	RC-1034 ★
91°	45.5°	2-5/8	1-5/16	1-13/16	3/4	1	2	2-3/8	3-7/8	RCK-117	RCK-356	67110	18,000	RC-1028 ★
91°	45.5°	2-5/8	1-5/16	1-13/16	3/4	1	2	2-3/8	3-7/8	RCK-117	RCK-356	67110	18,000	RC-1028-TG* New
120°	60°	3-13/32	1	2	3/4	2	1	2-3/8	3-27/32	RCK-112	RCK-357	67115	15,000	RC-1029 ★

* For Thermogrip® CNC Heat Shrink Tool Holders.

★ **Warning:** Tools have open flute design (not anti-kickback) and are intended for high feed-rate CNC machine use only. **Do not use in portable routers!**

▲ **Warning:** For maximum RPM visit www.amanatool.com

▲ **Warning:** Before using any insert tool, make sure the set screw is tightened firmly. When replacing a dull insert, first clean the tool and remove all dust prior to inserting the new knife.

Item #'s RC-1028, RC-1030 & RC-1034 allows you to get two uses out of each insert. Once knife shows signs of wear you can rotate the insert for a new cutting edge.

V-Groove Sets
Visit www.amanatool.com



CNC feed and speed available online

INDUSTRIAL SIGNMAKING ROUTER BITS

INDUSTRIAL



In-Groove™

CNC Insert Engraving System

1 Flute • For Signmaking, Lettering & Engraving

Industrial quality insert carbide knives produce crisp, clean cuts and last at least twice as long as comparable solid carbide bits.

This engraving system was engineered to quickly interchange inserts while tool body can remain mounted in CNC machine. This minimizes downtime and helps to maintain consistent cutting accuracy. CNC Tool bodies are expertly balanced for virtually no vibration to provide superior cutting results.

Excellent For Cutting:

- Laminated Materials
- Veneers
- MDF
- Plastics
- Softwood
- Hardwood
- Phenolic
- Solid Surface
- Carbon Fiber
- PCB Board
- High Pressure Laminate (HPL)
- HDPE
- King Starboard®
- Aluminum (V-Tip only)
- Brass (V-Tip only)
- Copper (V-Tip only)



AMS-209

CNC INSERT CARBIDE ENGRAVING SYSTEM SETS

The 8-piece In-Groove sets contain industrial-quality insert carbide knives that can quickly and easily be interchanged while the tool body remains mounted in the CNC machine, minimizing downtime and helping maintain consistent cutting accuracy.



Description	Shank	Overall Length	Tool No.
8-Piece In-Groove Set	1/4	2-1/2	AMS-210
8-Piece In-Groove Set	1/2	2-1/2	AMS-209

Knives Included with Each Set

QTY	Description
1	Corner Round/Bead Groove Insert Carbide Knife
1	Straight Insert Carbide Knife
3	30° V-Tip Insert Carbide Knives
1	60° V-Tip Insert Carbide Knife
1	1/16" Radius Core Box Insert Carbide Knife

Knives Included:	
RCK-412	
RCK-420	
RCK-400	
RCK-360	
RCK-361	
RCK-362	
RCK-380	

CNC IN-GROOVE™ INSERT ENGRAVING TOOL BODY

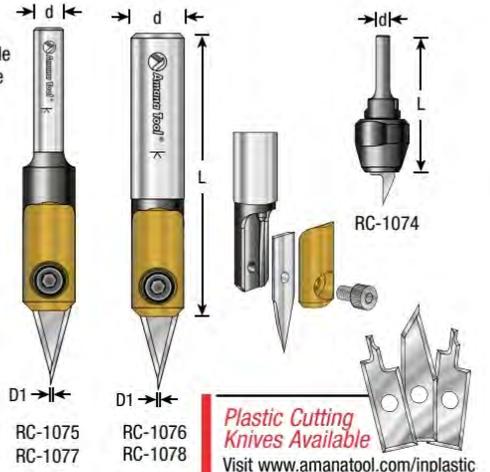
Solid carbide insert carbide knives produce crisp, clean cuts and last at least twice as long as comparable solid carbide bits. This industrial engraving tool body was engineered to quickly interchange inserts while the tool body remains mounted in your CNC machine. This minimizes downtime and helps to maintain consistent cutting accuracy. Insert knives sold separately.

CNC tool bodies are expertly balanced for virtually no vibration for superior cutting results.

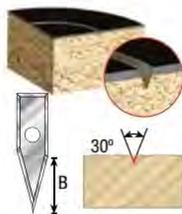


Tool Body Shank	Overall Length	Tool No.
1/8	1-3/4	RC-1074*‡
6mm	2-1/2	RC-1077*
1/4	2-1/2	RC-1075*
12mm	2-1/2	RC-1078*
1/2	2-1/2	RC-1076*

* Insert knives sold separately. ‡ Only to be used with Mini In-Groove Insert Knives
Replacement parts: Hex key #5004; Screw #67127.

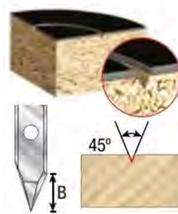


REPLACEMENT IN-GROOVE™ INSERT CARBIDE KNIVES



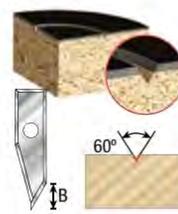
30° V-TIPS

Tip Width	B	Tool No.
0.005	16mm(5/8)	RCK-360
0.010	16mm(5/8)	RCK-361
0.020	16mm(5/8)	RCK-362
0.030	16mm(5/8)	RCK-363
0.040	16mm(5/8)	RCK-364
0.060	16mm(5/8)	RCK-366
0.090	16mm(5/8)	RCK-369



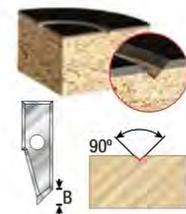
45° V-TIPS

Tip Width	B	Tool No.
0.005	10.7mm(27/64)	RCK-510
0.010	10.7mm(27/64)	RCK-512
0.020	10.2mm(13/32)	RCK-514



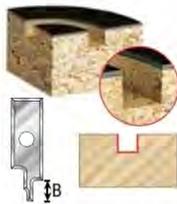
60° V-TIPS

Tip Width	B	Tool No.
0.005	7.5mm(9/32)	RCK-380
0.010	7.5mm(9/32)	RCK-381
0.020	7.5mm(9/32)	RCK-382
0.030	7.5mm(9/32)	RCK-383
0.040	7.5mm(9/32)	RCK-384
0.060	7.5mm(9/32)	RCK-385
0.090	7.5mm(9/32)	RCK-386



90° V-TIPS

Tip Width	B	Tool No.
0.005	4mm(5/32)	RCK-390
0.010	4mm(5/32)	RCK-391
0.020	4mm(5/32)	RCK-392
0.040	4mm(5/32)	RCK-393



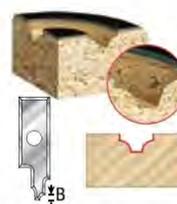
STRAIGHT PLUNGE

Tip Width	B	Tool No.
1/8	5mm(3/16)	RCK-400
3/16	6mm(15/64)	RCK-402
1/4	7mm(9/32)	RCK-404
5/16	8mm(5/16)	RCK-406



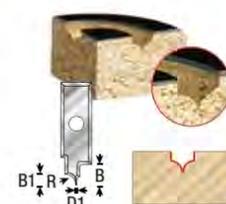
CORE BOX

Radius	B	Tool No.
1/16	5mm(3/16)	RCK-420
3/32	6mm(15/64)	RCK-422
5/32	8mm(5/16)	RCK-426



CORNER ROUND

Radius	B	Tool No.
1/16	8mm(5/16)	RCK-410
3/32	8mm(5/16)	RCK-412
1/8	8mm(5/16)	RCK-414



POINT ROUND OVER

R	D	D1	B	B1	Tool No.
1/8	17/64	1/64	15/64	1/8	RCK-416

8-PC. 3D SIGMAKER SET New

1/4" Shank • Insert Carbide & Solid Carbide Router Bit Pack

For the most demanding signmaking, lettering and engraving tasks. Designed for creating signs and other CNC projects in a variety of materials. Manufactured from Amana's exclusive grade carbide according to stringent quality standards.

Includes	Set No.
46369-K, RC-45711, RC-1148, 45622-K, 45771-K, 46200-K, 46202-K, 46170-K	AMS-228



CNC feed and speed available online

INDUSTRIAL SIGNMAKING ROUTER BITS



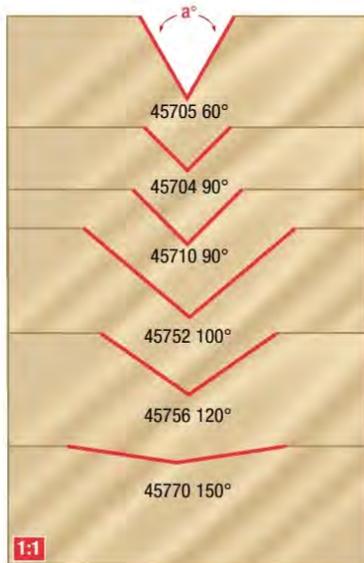
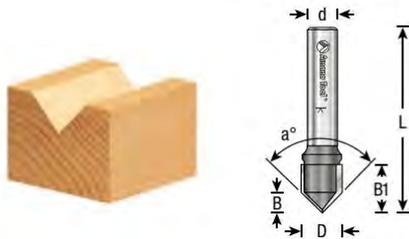
V-GROOVE SIGNMAKING & LETTERING

Carbide Tipped • Single, 2 & 3 Flute

Cut decorative V-Grooves and lettering on signs with these bits. Use with an edge guide to chamfer and bevel edges.

Excellent For Cutting:

- Acrylic
- Composites
- Composite Decking
- Foam
- Laminate
- Melamine
- MDF/HDF
- Plastic
- Plywood
- PVC Plastic
- Sign Board
- Solid Surface
- 20lbs High Density Urethane
- Veneered Plywood
- Wood
- Xanita Board



a°	ØD	B	B1	Ød	L	Flute	Tool No.
60°	1/4	1/8	—	1/4	2-3/8	2	DRB-416
60°	1/4	7/32	31/64	1/4	2	3	45624 *
60°	12.7mm	10.5mm	16mm	6mm	44mm	2	45705-M†
60°	1/2	7/16	5/8	1/4	1-3/4	2	45705 †
60°	1/2	7/16	5/8	1/4	2	2	45709 †
60°	1/2	27/64	5/8	1/2	2-1/4	2	45706 †
60°	1/2	7/16	5/8	1/2	3	3	45629 *
90°	1/4	1/8	9/16	1/4	1-1/2	2	45625 *
90°	3/8	3/16	7/16	1/4	1-5/8	2	45700
90°	3/8	3/16	7/16	1/2	2	2	45702
90°	12.7mm	6mm	12.7mm	6mm	41mm	2	45704M
90°	1/2	1/4	3/8	1/4	2-1/4	1	DRB-418
90°	1/2	1/4	1/2	1/4	1-5/8	2	45704 ⑤
90°	1/2	1/4	1/2	1/4	2	2	New 45750 ⑤
90°	1/2	1/4	1/2	1/4	2	2	45723
90°	1/2	1/4	1/2	1/2	2-1/8	2	45708
90°	5/8	5/16	1/2	1/4	1-5/8	2	45710
90°	5/8	5/16	1/2	1/2	2	2	45712
90°	3/4	3/8	5/8	1/4	1-3/4	2	45714
90°	3/4	3/8	5/8	1/2	2-1/8	2	45716
90°	7/8	7/16	3/4	1/4	1-7/8	2	45718
90°	7/8	7/16	3/4	1/2	2-1/4	2	45720
90°	1	1/2	3/4	1/4	1-7/8	2	45722
90°	1	1/2	3/4	1/2	2-1/4	2	45724
90°	1-1/4	9/16	1	1/2	2-1/2	2	45726
90°	1-1/4	5/8	15/16	1/4	2-13/64	2	45751
90°	1-1/2	3/4	1-1/4	1/2	2-3/4	2	45728 ♦ ▲ ¹⁰
90°	2	1	1-11/32	1/2	3-1/4	2	45732 ♦ ▲ ¹²
100°	1-1/4	17/32	53/64	1/4	2-3/32	2	45752
110°	1-1/4	7/16	47/64	1/4	2	2	45754
120°	19.5mm	5mm	3/4	1/2	2-17/32	2	45753
120°	1-1/4	23/64	21/32	1/4	1-59/64	2	45756
130°	1-1/4	9/32	31/64	1/4	1-3/4	2	45758
150°	1-1/4	11/64	7/16	1/4	1-11/16	2	45770

▲ Warning: Maximum RPM ▲¹⁰ = 10,000; ▲¹² = 12,000

† 2 flute 60° V-Groove bit designed for lettering, signmaking and decorative work. * Solid Carbide

▲ Polycrystalline Diamond (PCD) for extremely long life. Maximum recommended material depth in one pass varies from 0.5mm to 3.0mm depends on the hardness. The harder the material, the less depth.

⑤ V-Groove bit with upper ball bearing.

♦ Use in a table-mounted router. **Not for use in a handheld router!**

⑤ = 5 packs available. For packs add -5, for example 45704-5.



V-GROOVE SIGMAKING & LETTERING

Solid Carbide • 2, 3 & 4 Flute

The Spektra™ nAco® nanocomposite 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.

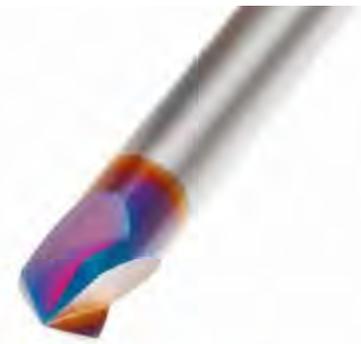
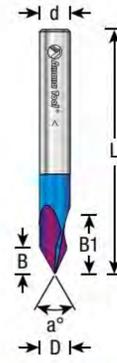
For complete details on Spektra™ visit www.amanatool.com/spektra



a°	ØD	B	B1	Ød	L	Flute	Tool No.
30°	1/4	27/64	5/8	1/4	2	3	45634-K <i>New</i>
30°	3/8	0.700	3/4	1/4	2-1/2	3	45642-K* <i>New</i>
60°	1/4	7/32	31/64	1/4	2	3	45624-K (2) (5)
60°	3/8	0.325	3/4	1/4	2-1/2	3	45644-K* <i>New</i>
60°	1/4	7/32	31/64	1/4	2-1/2	4	45631-K <i>New</i>
90°	1/4	0.116	25/64	1/4	2	3	45639-K
90°	1/4	1/8	1/4	1/4	1-1/2	3	45626-K (5)
90°	1/4	1/8	1/4	1/4	2-1/2	4	45633-K <i>New</i>
90°	1/4	1/8	9/16	1/4	1-1/2	2	45625-K
90°	3/8	3/4	0.188	1/4	2-1/2	3	45646-K <i>New</i>

* Solid Carbide Cutting Head (Brazed to Steel Shank)

(2) = 2 packs available. (5) = 5 packs available. For packs add a -2 or -5, for example 45624-K-5.



45624-K 45639-K



CNC V-GROOVE SIGMAKING & LETTERING PACKS *New*

1/4" Shank • Solid Carbide Router Bit

Designed for a wide variety of applications. Each router bit is manufactured from Amana's exclusive grade carbide according to stringent quality standards.



3-Piece • 30°, 60° & 90°

Includes	Set No.
45634-K (30°), 45624-K (60°), 45626-K (90°)	AMS-310-K
45642-K (30°), 45644-K (60°), 45646-K (90°)	AMS-248-K

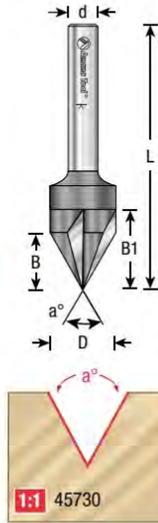
4-Piece • 15°, 30°, 60° & 90°

Includes	Set No.
45611-K (15°), 45634-K (30°), 45631-K (60°), 45633-K (90°)	AMS-312-K

CNC feed and speed available online



AMS-310-K



60° V-GROOVE SIGNMAKING & LETTERING

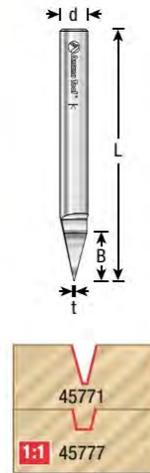
Solid Carbide Cutting Head (Brazed to Steel Shank) • Single & 3 Flute

Originally developed in Europe specifically for professional signmakers, this bit features an extra-fine 60° point that produces a clean, precise cut. For those intricate lines, this bit is superior to standard V-Groover. Makes crisp, clean cuts in solid woods, MDF and acrylics.



a°	ØD	B	B1	Ød	L	Flute	Tool No.
60°	9/16	7/16	1/2	1/4	2-1/2	1	45731*
60°	9/16	7/16	1/2	1/4	2-1/4	3	45730
60°	9/16	7/16	1/2	1/2	2-1/4	3	45733

* Specialty 1-flute bit designed for use with acrylics.



30°, 45° AND 60° ENGRAVING

1/4" Shank • Solid Carbide • Single Flute

For extra-fine carving and lettering details for signmaking in wood, plastic, aluminum and solid surface materials.



30° Single Flute

t = tip width	B	Ød	L	Tool No.
0.005	0.240	1/8	2-1/4	45630
0.005	0.440	1/4	2-1/4	45771
0.010	0.440	1/4	2-1/4	45772
0.0108	0.413	1/4	2	45620
0.020	0.420	1/4	2-1/4	45773
0.030	0.400	1/4	2-1/4	45774
0.035	0.349	1/4	2	45621
0.040	0.380	1/4	2-1/4	45775
0.060	0.340	1/4	2-1/4	45776
0.090	0.290	1/4	2-1/4	45777
0.005 to 0.090		30° Set (7 Pcs.)	2-1/4	45779

45° Single Flute

t = tip width	B	Ød	L	Tool No.
0.005	0.296	1/4	2-1/4	45601
0.020	0.276	1/4	2-1/4	45602
0.025	0.272	1/4	2	45622
0.042	0.242	1/4	2	45623

60° Single Flute

t = tip width	B	Ød	L	Tool No.
0.005	0.212	1/4	2	45760
0.010	0.208	1/4	2	45761
0.020	0.199	1/4	2	45763
0.030	0.191	1/4	2	45765
0.040	0.182	1/4	2	45766
0.060	0.165	1/4	2	45767
0.090	0.139	1/4	2	45768
0.005 to 0.090		60° Set (7 Pcs.)	2	45769

▲ Warning: Maximum RPM=28,000



7-pc Set 45769

15°, 30°, 45° AND 120° ENGRAVING

Solid Carbide • Single Flute

For extra-fine carving and lettering details for signmaking!

The Spektra™ nACo® nanocomposite coating is a micro thin ceramic coating which enables the tool's cutting edge to retain crucial sharpness and lubricity. This provides longevity & produces cutting results of the highest quality.



These tools are used for wood, plastic and solid surface materials.

15° Single Flute

t = tip width	B	Ød	L	Tool No.
0.13mm (0.005")	24mm (0.93")	6mm	58mm (2-1/4)	45611-K-M <i>New</i>
0.005	0.93"	1/4	2-1/4	45611-K (5)

30° Single Flute

t = tip width	B	Ød	L	Tool No.
0.005"	0.240"	1/8	2-1/4	45630-K
0.005"	11mm	6mm	57mm	45771-MK
0.005"	0.440"	1/4	2-1/4	45771-K (5)
0.0108"	0.413"	1/4	2	45620-K
0.020"	0.420"	1/4	2-1/4	45773-K
0.030"	0.400"	1/4	2-1/4	45774-K

45° Single Flute

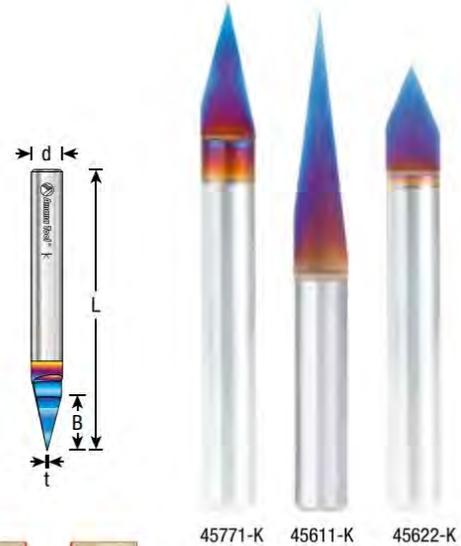
t = tip width	B	Ød	L	Tool No.
0.005"	0.296"	1/4	2	45632-K
0.025"	0.272"	1/4	2	45622-K
0.042"	0.242"	1/4	2	45623-K

120° Single Flute

t = tip width	B	Ød	L	Tool No.
0.015"	0.575"	1/4	2-1/2	45606-K

(5) = 5 packs available. For packs add -5, for example 45611-K-5.

CNC feed and speed available online



5-PC. 18°, 30°, 45°, 60° AND 90° V-GROOVE

1/4" Shank • Carbide Tipped & Solid Carbide Router Bit Pack

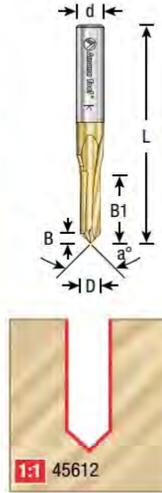
Designed for a wide variety of applications. Each router bit is manufactured from Amana's exclusive grade carbide according to stringent quality standards.

Excellent For Engraving:

- ACM
- Aluminum, Brass, Bronze, Copper
- Composite
- Fiberglass
- Foam
- Laminate
- MDF
- Plastic/Acrylic
- Wood
- Veneered Plywood



Includes	Set No.
45783, 45771, 45623, 45707 & 45701	AMS-159



**ZrN
COATED**

"ZERO-POINT" 45°, 60° & 90° V-GROOVE & ENGRAVING

Solid Carbide • 2 Flute

Designed for beveling or V-Grooving 45°, 60° and 90°.



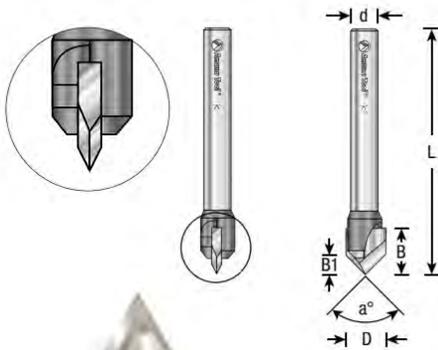
Excellent For Cutting:

- Wood
- Aluminum
- Brass
- Bronze
- Copper
- Gold
- Silver
- MDF
- Lexan™
- Composite
- Soft Plastics
- Hard Plastics
- Solid Surfaces (Corian®, Formica® etc)
- Laminated Chipboard/Plywood

a°	ØD	B	B1	Ød	L	Flutes	Tool No.
45°	1/4	0.310	3/4	1/4	2-1/4	2	45613
60°	1/4	0.214	3/4	1/4	2-1/4	2	45615
90°	1/8	1/16	5/8	1/8	2	2	45608
90°	1/8	1/16	5/8	1/4	2-1/4	2	45609
90°	3/16	3/32	5/8	1/4	2-1/4	2	45610
90°	1/4	1/8	3/4	1/4	2-1/4	2	45612
90°	3/8	3/16	3/4	3/8	2-1/2	2	45614
90°	1/4	1/8	1/4	1/4	1-1/2	3	45626-Z



CNC feed and speed available online



"ZERO-POINT" 60° & 90° V-GROOVE

Carbide Tipped • 2 Flute

Cut decorative V-Grooves and lettering on signs. Use with an edge guide to chamfer and bevel edges.

For material cut list visit www.amanatool.com.



a°	ØD	B	B1	Ød	L	Tool No.
60°	1/2	13/32	9/16	1/4	2-1/4	45707
90°	3/8	11/64	1/2	1/4	2-1/4	45701
90°	1/2	15/64	1/2	1/4	2-1/4	45703

3-Pc set includes tool #'s 45771 (30°), 45707 (60°) and 45701 (90°) **AMS-129**



CNC feed and speed available online



AMS-129

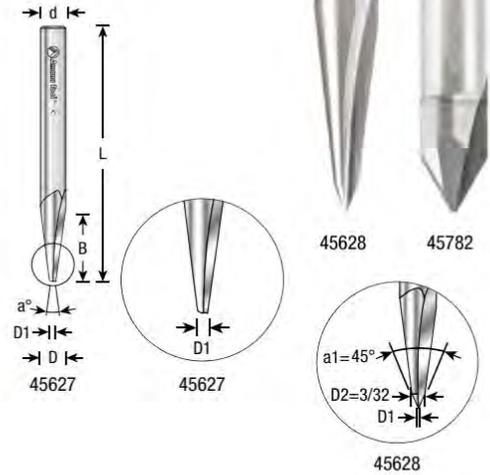
CARVING/ENGRAVING

Solid Carbide • 2 Flute

For fine-line "engraving" in wood and composite materials, use either of these compact bits. Two-flute configuration and modest length (which minimizes vibration) combine to produce crisp, clean cuts.



a°	ØD	D1	B	B1	Ød	L	Tool No.
15°	1/4	0.020	0.666	-	1/4	2-1/2	45628
15°	1/4	0.063	21/32	-	1/4	2-1/2	45627
15°	3/16	0.070	1/2	-	1/4	2	45780
60°	1/4	0.017	0.560	-	1/4	1-1/2	59400
60°	1/4	0.025	3/16	-	1/4	2	45782
60°	1/8	0.016 (1/64)	1/8	-	1/8	2	40780
60°	3/8	.030	5/8	3/8	3/8	3	45635 <i>New</i>
60°	1/2	.040	5/8	1/2	1/2	3	45636 <i>New</i>
90°	3/8	.036	5/8	3/8	3/8	3	45637 <i>New</i>



CARVING/ENGRAVING

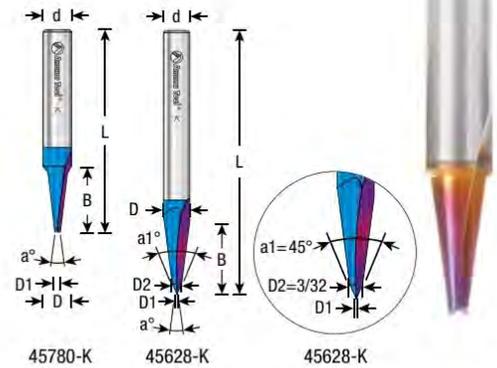
Solid Carbide • 2 Flute

For fine-line "engraving" in wood and composite materials. Two-flute configuration and modest length (which minimizes vibration) combine to produce crisp, clean cuts. Spektra™ coating provides longevity and produces cutting results of the highest quality.

For complete details on Spektra™ visit www.amanatool.com/spektra



a°	a1°	ØD	D1	D2	B	Ød	L	Tool No.
15°	-	3/16	0.070	-	1/2	1/4	2	45780-K
15°	45°	1/4	0.020	3/32	0.666	1/4	2-1/2	45628-K <i>New</i>



CARVING LINER

Solid Carbide • Single Flute

For extra-fine carving and lettering details.

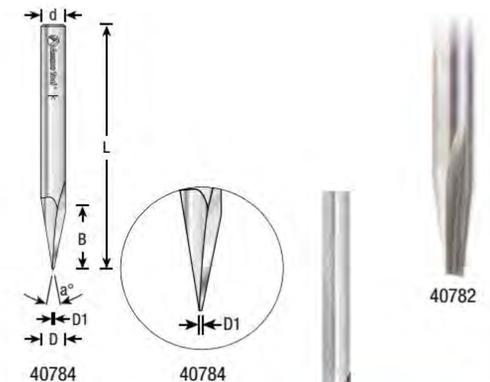
Excellent For Carving:

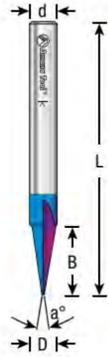
- Aluminum
- Brass
- MDF/Laminate
- Plywood
- Silver
- Wood



a°	ØD	ØD1	B	Ød	L	Tool No.
15°	1/8	0.070	0.400	1/8	2-1/4	40782
18°	1/4	-	5/8	1/4	2-1/2	45783 ⑤
22°	1/4	0.017	0.648	1/4	2-1/2	40784

⑤ = 5 packs available. For packs add -5, for example 45783-5.





SPEKTRA EXTREME TOOL LIFE COATING **CARVING LINER**

Solid Carbide • Single Flute

The Spektra™ nACo® nanocomposite 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.

For complete details on Spektra™ visit www.amanatool.com/spektra

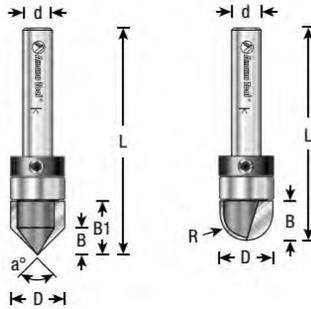


Excellent For Carving:

- MDF/Laminate
- Plywood
- Wood



a°	ØD	B	Ød	L	Flute	Tool No.
18°	1/4	5/8	1/4	2-1/2	1	45783-K



CORE BOX AND V-GROOVE

Carbide Tipped • 2 Flute with Upper Ball Bearing

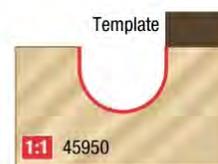
Designed for fluting and V-Grooving cuts guided by a template or pattern. The ball bearing pilot rides along the template edge, and the cutter duplicates the template contour in the work-piece. With a handheld router, the template must be on top of the work-piece. With a table-mounted router, the template must be on bottom of the work-piece.



ØD	a°	R	B	B1	Ød	L	Type	Tool No.
1/2	90°	—	1/4	1/2	1/4	2	V-Groove	45750 *
1/2	—	1/4	3/8	—	1/4	2	Core Box	45950

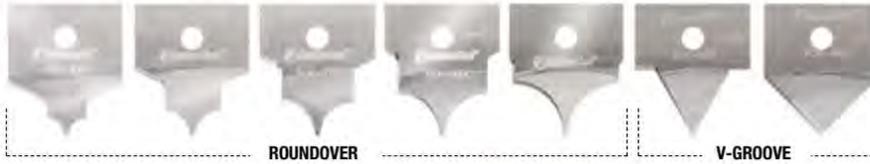
Replacement parts: Bearing #47701; Collar #47724.

* **NOTE:** 90° V-Groove bit is for decorative purposes and is not intended for 'miter-folding', etc.



INDUSTRIAL TRU POINT

INSERT ROUNDROVER CNC SYSTEM™



TRU POINT™ ROUNDROVER INSERT CNC SYSTEM

Solid Carbide • Single Flute • Roundover Style

This Tru Point Insert Roundover CNC system was engineered to quickly interchange inserts while tool body can remain mounted in CNC machine. This minimizes downtime and helps to maintain consistent cutting accuracy. CNC Tool bodies are expertly balanced for virtually no vibration to provide superior cutting results.

For lettering, engraving, signmaking, fluting and decorative trimming.

Excellent For Cutting:

- Hardwood/Softwood
- MDF
- Plastic
- Plywood



R	ØD	D1	B	Ød	L	Repl. Knife	Tool No.
1/8	7/8	5/16	1/4	1/4	2-7/8	RCK-471	RC-1053
1/8	7/8	5/16	1/4	1/2	3-5/16	RCK-471	RC-1056
3/16	7/8	7/16	3/8	1/4	2-7/8	RCK-472	RC-1054
3/16	7/8	7/16	3/8	1/2	3-5/16	RCK-472	RC-1057
1/4	7/8	9/16	1/2	1/4	2-7/8	RCK-473	RC-1055
1/4	7/8	9/16	1/2	1/2	3-5/16	RCK-473	RC-1058
5/16	7/8	11/16	5/16	1/4	2-7/8	RCK-474	RC-1060
5/16	7/8	11/16	5/16	1/2	3-5/16	RCK-474	RC-1061
3/8	7/8	13/16	3/8	1/4	2-7/8	RCK-475	RC-1062
3/8	7/8	13/16	3/8	1/2	3-5/16	RCK-475	RC-1063

NOTE: Due to very fine plunge point, bit is not guaranteed against breakage.
Replacement parts: 1/4" Shank Tool Body #RC-1050; 1/2" Shank Tool Body #RC-1052;
Torx key #5005; Screw #67110.

TRU POINT™ V-GROOVE INSERT CNC SYSTEM

Solid Carbide • Single Flute • V-Groove Style

For lettering, engraving and signmaking.

Excellent For Cutting:

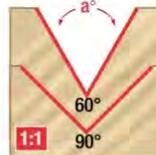
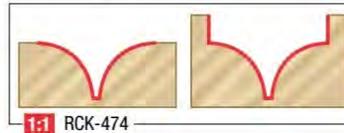
- Hardwood/Softwood
- MDF
- Plastic
- Plywood



a°	ØD	D1	B	Ød	L	Repl. Knife	Tool No.
60°	7/8	9/16	1/2	1/2	2-7/8	RCK-464	RC-1065
90°	7/8	7/8	3/8	1/4	2-7/8	RCK-465	RC-1066
90°	7/8	7/8	3/8	1/2	2-7/8	RCK-465	RC-1067

Replacement parts: 1/4" Shank Tool Body #RC-1050; 1/2" Shank Tool Body #RC-1052;
Torx key #5005; Screw #67110.

CNC feed and speed available online





INDUSTRIAL
TRU POINT
 INSERT ROUNDROVER CNC SYSTEM™

**TRU POINT™ ROUNDROVER
 INSERT CNC SETS**

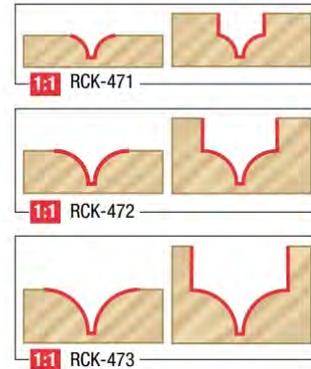


Solid Carbide • Single Flute • Roundrover Style

The 4-piece Tru Point Insert Roundrover CNC System set contains a tool body (1/4" or 1/2" shank) along with solid carbide insert carbide knives with three different radius: 1/8", 3/16" and 1/4". Knives included are RCK-471, RCK-472 and RCK-473.



Set #AMS-216



**TRU POINT™ ROUNDROVER
 INSERT CNC TOOL BODY**



Description	Ød	L	Tool No.
Tool Body only 1/4" shank	1/4	2-1/4	RC-1050
Tool Body only 1/2" shank	1/2	2-3/4	RC-1052

INDUSTRIAL

CNC ROUTER BIT COLLECTIONS

For Woodworking & Advanced Materials

**HARDER
CARBIDE**





57-PC. CNC MASTER ROUTER BIT COLLECTION

LED Illuminated, Mirrored Interior and Solid Wood Display

Set #AMS-CNC-60



Amana has the tool you need for every CNC application!

The Ultimate CNC Cutting Solution for Advanced Material Types!

57 pieces of the most versatile CNC, industrial, high performance solid carbide, carbide-tipped and solid carbide insert router bits. Router bits feature superior cutting edges, Spektra™ coating or mirror-like finish (on some of the tools), balancing, carbide of different grades for different materials/applications.

Excellent For Cutting:

- Aluminum, Brass, Bronze, Copper, Gold, Silver & Titanium
- ACM
- Aluminum FoamCore
- Composite
- Corrugated Polypropylene
- Durabond®
- Fiberglass
- FoamCore
- Gator Board
- Graphite
- Melamine
- MDF/HDF
- Laminate
- Phenolic Composites
- Plastic, Acrylic & Plexiglas®
- Sign Foam, Sign Board & HDU
- Solid Surface
- Steel and Stainless Steel
- Veneered Plywood
- Wood
- Xanita® X-Board™ & Lightboard™

More CNC Sets
visit amanatool.com

Stored in a freestanding or wall mounted LED illuminated solid wood display with mirrored interior and locking clear acrylic door that measures 31" H x 27" W x 9" D.



40-PC. CNC MASTER ROUTER BIT COLLECTION New

Packed In Stackable Tanos Systainer Plastic Case

Set #AMS-CNC-40



Your tools are safe and secure inside the MINI-systainer® III ToolBox. Stackable plastic case consists of a tailored design for simple and secure storage, transport and maximum mobility.

40 pieces of the most versatile CNC, industrial, high performance solid carbide, carbide tipped and solid carbide insert router bits. For material cut list visit www.amanatool.com

Stored in a plastic Tanos case with custom foam inserts to keep bits secure.

Case dimensions: 5.59" H x 10.43" W x 6.73"

4-PC. CNC SIMULATED MDF SHAKER DOOR



1/4" & 1/2" Shank • Solid Carbide & Insert Carbide Router Bit Packs **New**

Build simulated MDF raised panel doors and door edges. Tools are designed to give the appearance of a shaker door in MDF or solid panels. Using these tools, you can create the door styles with as many flat panels sections as you like, 1, 2, 3 or more.

Each MDF Shaker Door Set includes
Full Color Instruction Manual
4 Steps to Create Simulated MDF Doors



Includes	Shank Dia	Set No.
RC-1108, 46200-K, RC-2254, 45408-3, HMA-12 (1 Knife)	1/4 & 1/2	AMS-262
46170-K, 45525, 45624-K, 46200-K	1/4	AMS-263



AMS-262



Create Shaker Style Doors in MDF

8-PC CNC GENERAL PURPOSE



1/4" Shank • Solid Carbide & Insert Carbide Router Bit Set

For the most demanding signmaking, lettering and engraving tasks. Designed for creating signs and other CNC projects in a variety of materials.

Description	Shank Dia	Set No.
8-pc General Purpose Set	1/4	AMS-257
8-pc General Purpose Set with Metric Shank	6mm	AMS-257-M



AMS-257



Stored in a Tanos Systainer Plastic Case



4-PC CNC V-GROOVE 15°, 30°, 60° & 90° SIGNMAKING & LETTERING



1/4" Shank • Solid Carbide Router Bit Pack

Cut decorative V-Grooves and lettering on signs. Use with an edge guide to chamfer and bevel edges. Visit www.amanatool.com for set details.

Includes	Set No.
45611-K, 45634-K, 45631-K, 44633-K	AMS-312-K



AMS-312-K

UP TO
2.5X
LONGER LIFE
COMPARED TO UNCOATED BITS

**HARDER
CARBIDE**

8-PC. CNC MULTI-PURPOSE



1/4" Shank • Carbide Tipped, Solid & Insert Carbide Router Bit Collection

Packed in either wooden display box or cardboard box. Set is designed specifically for a wide variety of applications. Perfect for signmaking. Each router bit is manufactured from Amana's exclusive grade carbide according to stringent quality standards.

For material cut list visit www.amanatool.com



* AMS-177-K-B,
Cardboard Box



† AMS-177-K, Wooden Box

Includes	Set No.
56125, RC-45711, 45705, 46102-K, 46200-K, 46202-K, 46282-K, 46376-K	AMS-177-K †
56125, RC-45711, 45705, 46102-K, 46200-K, 46202-K, 46282-K, 46376-K	AMS-177-K-B *

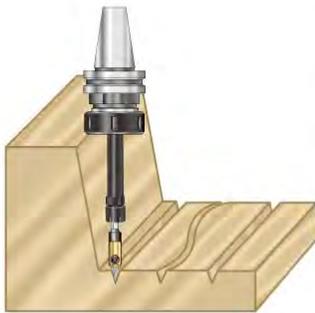
† Packaging: Wooden Box. * Packaging: Cardboard Box



AMS-177-K

CNC feed and speed available online

INDUSTRIAL CNC Accessories



CNC HIGH PRECISION TOOL HOLDER EXTENSIONS

With Spring Collet • Heat Treated Alloy Steel

ER collet chucks used for different projects and applications, save money by not purchasing extra-long tools! Choose the correct size spring collet for your bit, set the tool depth and tighten the collet nut using the mini wrench. Have the extra reach you need at economical prices.

- 1/4" inner diameter spring collet included.
- ER mini nut and spring collet included with each ER straight shank tool extension, ideal for hard to reach surfaces.
- Shank to pocket run-out 0.0004" (0.01mm).
- Precision ground for best Total Indicator Run-out (TIR).
- Spring collets can easily be changed.
- Black oxide finish for corrosion protection.
- Max RPM = 10,000 for safe operation.



D	d	L	L1	D1	Collet Standard	Spring Collet Included	Tool No.
55/64	1/4	5-1/2	4	1/4**	ER-16	CO-296*	TE-122
55/64	1/2	5-1/2	4	1/4**	ER-16	CO-296*	TE-124
1-7/64	1/4	5-7/8	4	1/4**	ER-20	CO-276*	TE-100
1-7/64	3/8	5-7/8	4	1/4**	ER-20	CO-276*	TE-102
1-7/64	1/2	5-7/8	4	1/4**	ER-20	CO-276*	TE-104
1-7/64	1/2	7-7/8	6	1/4**	ER-20	CO-276*	TE-106
1-21/32	1/2	6-1/8	4	1/4**	ER-25	CO-286*	TE-110

* Spring collet and wrench included.

Wrench WR-120 included for TE-100, TE-102, TE-104, TE-106; Wrench WR-102 included for TE-110.

** For different inner diameter spring collets, please see pages 62-63.



CNC EXTENSION ADAPTERS

1/4" & 1/2" Shank



ØD1	Ød	ØD	L	L1	L2	L3	Tool No.
1/8	1/4	7/16	2-1/4	19/32	13/16	1/4	47648
1/4	1/4	5/8	2-5/8	15/16	1-3/16	1/4	47642
1/4	1/2	3/4	3-7/16	1-1/4	1-15/32	5/16	47640
1/2	1/2	1	3-5/8	1-25/32	1-9/16	13/32	47641

▲ **Warning:** Maximum RPM = 18,000

Total Indicated Run-out (TIR) is 0.00118" (0.03mm)

DOWEL DRILL/BORING BIT ADAPTER

For CNC Standard Collet/Tool Holder

Made especially to run 10mm shank dowel drills and boring bits on a CNC machine. Accommodates the flat area on the 10mm round drill bit shank. Secure with the two set screws, same method as on boring machines.

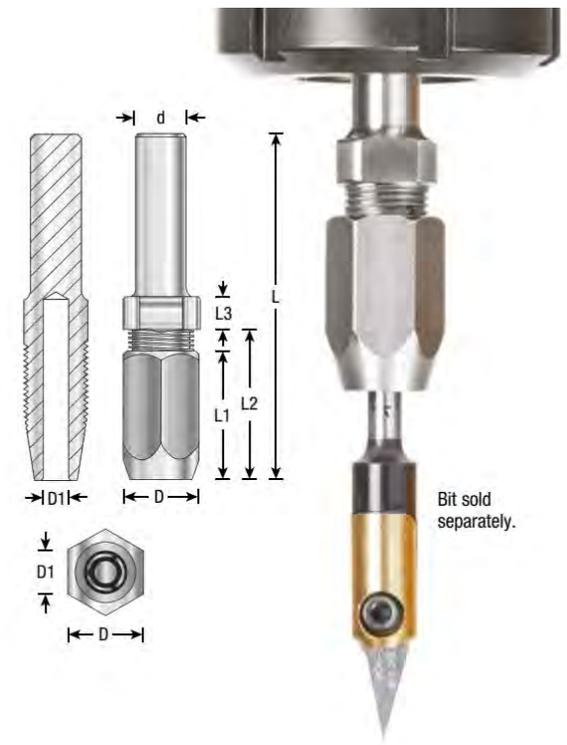


ØD1	Ød	ØD	L	L1	Tool No.
10mm	6mm	3/4	2-5/32	1-1/16	47643
10mm	1/4	3/4	2-5/32	1-1/16	47636
10mm	10mm	3/4	2-5/32	1-1/16	47644
10mm	1/2	3/4	2-7/16	1-1/16	47638

▲ **Warning:** Maximum RPM=8,000

Total Indicated Run-out (TIR) is 0.00118" (0.03mm)

Replacement screws: 67075 (2). Replacement wrench: 5004.



Bit sold separately.



Bit sold separately.

CNC NARROW REACH TOOL HOLDER EXTENSIONS

Side Lock with Key

- For use with high precision spring collets
- Precision ground for best TIR
- Shank to pocket run-out 0.0004" (0.01mm)
- Black oxide finish for corrosion protection
- Max RPM = 10,000 for safe operation



I.D.	d	L	Tool No.
1/8	1/4	4	TE-130
1/8	1/4	6	TE-132
1/4	1/2	4	TE-134
1/4	1/2	6	TE-136
1/2	3/4	4	TE-138
1/2	3/4	6	TE-139

Replacement screws for TE-130 & TE-132: 67214.

Replacement screws for TE-134, TE-136, TE-138 & TE-139: 67215.



Bit sold separately.



CNC ADAPTERS/HOLDER

ISO Tool Holder with Pull Stud for Morbidelli & SCM Machines

ØD	Adapter Standard	B	Collet Standard	Tool No.
50mm(2)	ISO30	55mm(2-5/32)	ER32	HO-112

ISO Tool Holder with Tapered Flange for Thermwood Machines

ØD	Adapter Standard	B	Collet Standard	Tool No.
50mm(2)	ISO30	58mm(2-9/32)	ER32	HO-117

ISO Tool Holder

ØD	Adapter Standard	B	Collet Standard	Tool No.
50mm(2)	ISO30	50mm(2)	ER32	HO-116
50mm(2)	ISO40	63mm(2-15/32)	ER32	HO-124

HSK Tool Holder

ØD	Adapter Standard	B	Collet Standard	Tool No.
50mm(2)	HSK63F	68mm(2-11/16)	ER32	HO-132
63mm(2-15/32)	HSK63F	68mm(2-11/16)	ER40	HO-136

HSK Tool Holder for Homag, Weeke, Anderson, CR Onsrud & IMA Machines

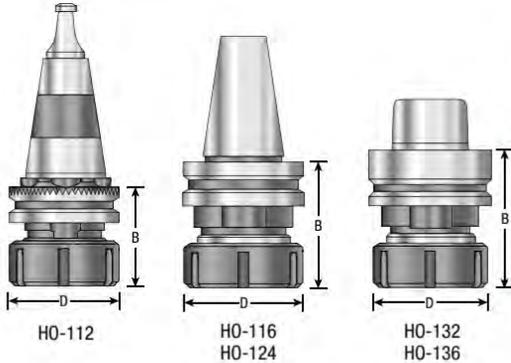
ØD	Adapter Standard	B	Collet Standard	Rotation	Tool No.
60mm(2-3/8)	HSK63F	78mm(3-1/16)	E0C25/SYOZ25	RH	HO-137
60mm(2-3/8)	HSK63F	78mm(3-1/16)	E0C25/SYOZ25	LH/RH	HO-138
60mm(2-3/8)	HSK63F	115mm(4-17/32)	E0C25/SYOZ25	LH/RH	HO-139

HSK Tool Holder for Multicam Machines

ØD	Adapter Standard	B	Collet Standard	Tool No.
22mm(7/8)	HSK25E	40mm(1-9/16)	ER16 Mini	HO-145
42mm(1-5/8)	HSK25E	60mm(2-3/8)	ER25	HO-143

HSK Tool Holder

ØD	Adapter Standard	B	Collet Standard	Tool No.
50mm(2)	HSK63E	76mm(3)	ER32	HO-147
63mm(2-15/32)	HSK63E	76mm(3)	ER40	HO-149



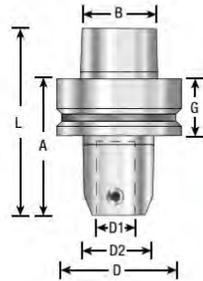
HO-112

HO-116
HO-124

HO-132
HO-136



Boring bit sold separately.



CNC DRILL CHUCK **New**

CNC Boring and drilling chuck designed to clamp Boring and drills bits with 10mm shank.

- for RH or LH rotation tools
- HSK63F chuck with a maximum error of concentricity between the cone and the tool seat of 0.003mm.

HSK Drill Chuck

ØD	Adapter Standard	B	D1	D2	G	A	L	Tool No.
63mm(2-15/32)	HSK63F	38mm	10mm	34mm	26mm	65mm	90mm	HO-190

CNC CLEANUP KIT

For a perfect maintenance and cleaning of your CNC router or machining centers.

Ensures extreme cleanliness of tapered spindles and it maintains the precision and prolongs the life of your expensive machines, cutting tools and toolholders.

Set Includes:

- Cone and spindle wiper for tool holder.
- Collet wiper to avoid wrong positioning of the collet.
- 4 brushes kit for collet bore.



Fits	Tool No.
HSK63F/ER32	CUP-32
HSK63F/ER40	CUP-40

UNIVERSAL ADJUSTABLE AUTO-LOCKING STAND FOR ISO30 AND HSK63F CHUCKS

Adjustable from 0° to 90°

For ISO30 Tool Holders with 50mm flange.

- Tool Holder to be locked on the flange diameter
- Roller-bearing design
- Fastest tool change
- Bolts right to workbench



Router bit, wrench and tool holder sold separately.



Fits Amana Tool No.	Description	Tool No.
—	For HSK32 Tool Holders with 32mm Flange	UHO-32
—	For HSK40 Tool Holders with 40mm Flange	UHO-40
HO-112 and HO-116	For ISO30 Tool Holders with 50mm Flange	UHO-50
HO-132 and HO-136	For HSK63F Tool Holders with 63mm Flange	UHO-63

Wrenches
See page 78

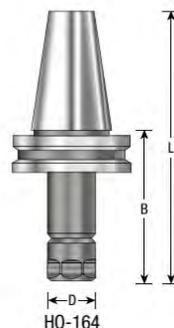


BT 40 HIGH PRECISION ER COLLET CHUCK TOOL HOLDERS

Made from alloy steel hardened to 54 - 56rc

- Balanced to G2.5 at 25,000 RPMs
- Coolant thru capability
- Concentricity is less than .0002 at collet face
- Rear thread for pull stud is M16 x 2.0
- Spring collet not included

ØD	B	Adapter Standard	Collet Standard	L	Thread	Tool No.
28mm	70mm	BT 40	ER16	135.4mm	M16x2.0	HO-164
34mm	80mm	BT 40	ER20	145.4mm	M16x2.0	HO-172
42mm	80mm	BT 40	ER25	145.4mm	M16x2.0	HO-178

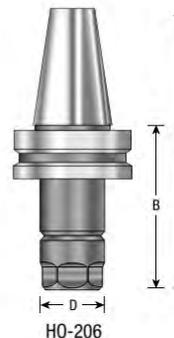


CAT 40 HIGH PRECISION ER COLLET CHUCK TOOL HOLDERS

Made from alloy steel hardened to 54 - 56rc

- Balanced to G2.5 at 25,000 RPMs
- Coolant thru capability
- Concentricity is less than .0002 at collet face
- Rear thread for pull stud is 5/8 - 11
- Spring collet not included

ØD	B	Adapter Standard	Collet Standard	L	Thread	Tool No.
35mm	2.5	CAT 40	ER20	165.1mm	5/8-11	HO-206
35mm	4.0	CAT 40	ER20	203.4mm	5/8-11	HO-208
42mm	4.0	CAT 40	ER25	203.4mm	5/8-11	HO-214
50mm	4.0	CAT 40	ER32	203.4mm	5/8-11	HO-220



ADJUSTABLE TORQUE WRENCHES FOR STANDARD COLLETS

Tool Body In Light Alloy With Wrench

Adjustable torque wrench is suitable for fastening and tightening nuts and spring collets properly. Use them every day in order to reach a longer tool life and better cutting performance. While setting a tool it is extremely important to tighten it appropriately. If not effectively tight indeed, cutting tool could slide away from the tool holder during the working process. On the other side an excessive tightening can cause damages to the tool holder or spring collet or the tool itself.

The wrench indicates when the torque (Nm) is reached with a strong noise according to the value in the corresponding table.

D	L	Nm (Dr1)	Nm (Dr2)	Ft/lb	ER Collet No.	Tool No.
35mm	13-3/8	40 - 70	60 - 70	30 - 51	ER20	ATW-20
42mm	15-1/2	55 - 90	80 - 90	40 - 66	ER25	ATW-25
50mm	15-1/2	70 - 130	120 - 130	51 - 95	ER32	ATW-32
63mm	17-3/4	120 - 200	190 - 200	88 - 147	ER40	ATW-40

CNC LOCKNUT WRENCHES

For ER Tool Holders

For Collet Locknut No.	Tool No.
ER50	WR-112
ER40	WR-104
ER32	WR-100
ER25	WR-102
ER20	WR-106
ER16	WR-108
ER11	WR-110
ER8	WR-114
ER11	WR-111 <small>New</small>
ER25M	WR-103 <small>New</small>
ER8	WR-115 <small>New</small>

CNC MINI LOCKNUT WRENCH

For ER Collet Holder Extensions

For use with ER Collet Holder Extension No.	For Use With	Tool No.
TE-100, TE-102, TE-104 & TE-106	ER-20M	WR-120
TE-122, TE-124	ER-16M	WR-122

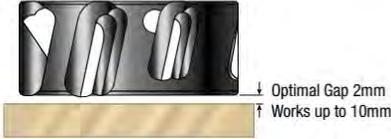
DUST AND CHIP EXTRACTION NUT SYSTEM

Tool Body In Light Alloy With Wrench

Dust and extractor tool will help evacuate both dust and chips during nesting and conventional CNC routing operations. Easy to assemble directly on the collet chuck instead of the standard nut, also provides a big improvement of dust evacuation, removing it from the work piece directly into the centralized extraction system of the CNC machine.

Special surface hardening treatment for longer performance and coating against wear and corrosion. Suitable for every type of collet chucks (ISO, BT, HSK...) using standard router bits (no adaptors needed). Balanced at G2,5.

Optimal gap between dust collector and material is 2mm. Works properly up to 10mm.



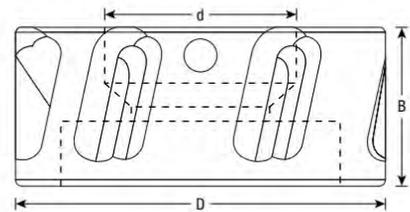
Without Dust Extraction Tool



With Dust Extraction Tool



Router bit and collet sold separately.



D	d	B	Collet	Tool No.
92mm	M 40x1.5	42mm	ER-32	DCE-01
92mm	M 40x1.5	42mm	ER-40	DCE-03
98mm	M 40x1.5	42mm	ER-32	DCE-05

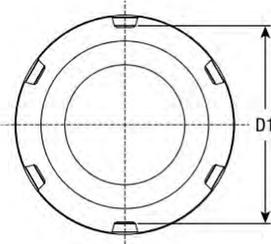
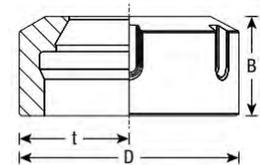
▲ **Warning:** Maximum tool diameter: $\varnothing 98 = 77\text{mm}$ and $\varnothing 92 = 68\text{mm}$

▲ **Warning:** Maximum speed rotation up to 20,000 RPM

CNC COLLET NUTS FOR STANDARD ER

For Standard ER Sizes

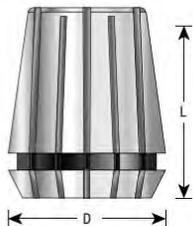
ØD	ØD1	B	t (Thread)	Collet No.	Tool No.
13mm	12mm	11.3mm	M10 x 0.75	ER8	CON-ER8
12mm	9mm	10.8mm	M10 x 0.75	ER8M	CON-ER8M
19mm	17mm	11.3mm	M14 x 0.75	ER11	CON-ER11
16mm	12mm	12mm	M13 x 0.75	ER11M	CON-ER11M
28mm	25mm	17.5mm	M22 x 1.5	ER16	CON-ER16
22mm	16.9mm	18.4mm	M19 x 1.0	ER16M	CON-ER16M
35mm	30mm	19mm	M25 x 1.5	ER20	CON-ER20
28mm	22.5mm	19mm	M24 x 1.0	ER20M	CON-ER20M
42mm	36mm	20mm	M32 x 1.5	ER25	CON-ER25
35mm	29mm	20mm	M30 x 1.0	ER25M	CON-ER25M
50mm	44mm	22.5mm	M40 x 1.5	ER32	CON-ER32
63mm	57mm	25.5mm	M50 x 1.5	ER40	CON-ER40
78mm	70.5mm	35.3mm	M64 x 2.0	ER50	CON-ER50



CNC HIGH PRECISION SPRING COLLETS

All spring collets are inspected for quality and 100% accuracy. Standard 0.0004" Total Indicator Runout (TIR)

Amana Tool® offers Metric and Inches high precision CNC Spring Collets in ER and RDO Styles. The high precision spring collets reduce the vibrations on the tools and motors, assure better results and prolong the life of the tools and electrospindles. Our high precision spring collets used on our high precision tool holders give you the very best tool performance.



ER-8 Spring Collet

D = 8.5mm

d	L	Tool No.
1/8	13.5mm	CO-442
3/16	13.5mm	CO-444



ER-11 Spring Collet

D = 11.5mm

d	L	Tool No.
1/8	18mm	CO-420
3/16	18mm	CO-422
1/4	18mm	CO-424



ER-16 Spring Collet

D = 16.6mm

d	L	Tool No.
1/16	26mm	CO-290
1/8	26mm	CO-292
3/16	26mm	CO-294
1/4	26mm	CO-296
3/8	26mm	CO-298



RDO-20, SYOZ-20 and EOC12 Spring Collet

D = 19.6mm

d	L	Tool No.
3-4mm	34mm	CO-411
1/4	34mm	CO-410
5/16	34mm	CO-412
3/8	34mm	CO-414
9-10mm	34mm	CO-415
1/2	34mm	CO-416



ER-20 Spring Collet

D = 20.7mm

d	L	Tool No.
1/16	32mm	CO-270
3mm	32mm	CO-271
1/8	32mm	CO-272
4mm	32mm	CO-273
3/16	32mm	CO-274
6mm	32mm	CO-279
1/4	32mm	CO-276
8mm	32mm	CO-269
3/8	32mm	CO-277
9-10mm	32mm	CO-275
1/2	32mm	CO-278



ER-25 Spring Collet

D = 25.6mm

d	L	Tool No.
1/16	34mm	CO-280
1/8	34mm	CO-282
3/16	34mm	CO-284
5/16	34mm	CO-285
1/4	34mm	CO-286
9-10mm	34mm	CO-281
3/8	34mm	CO-287
1/2	34mm	CO-288
5/8	34mm	CO-289



ER-32 Spring Collet

D = 32.7mm

d	L	Tool No.
2-3mm	40mm	CO-100
3-4mm	40mm	CO-104
5-6mm	40mm	CO-112
6-7mm	40mm	CO-116
7-8mm	40mm	CO-120
9-10mm	40mm	CO-130
10-11mm	40mm	CO-134
11-12mm	40mm	CO-138
12-13mm	40mm	CO-142
16-17mm	40mm	CO-158
18-19mm	40mm	CO-166
19-20mm	40mm	CO-170
1/8	40mm	CO-194
3/16	40mm	CO-196
1/4	40mm	CO-174
5/16	40mm	CO-175 <small>New</small>
3/8	40mm	CO-178
1/2	40mm	CO-182
5/8	40mm	CO-186
3/4	40mm	CO-190



RDO-35, SYOZ-25 and EOC25 Spring Collet

D = 35mm

d	L	Tool No.
1/8	52mm	CO-399 <small>New</small>
1/4	52mm	CO-400
3/8	52mm	CO-402
1/2	52mm	CO-404
5/8	52mm	CO-405 <small>New</small>
3/4	52mm	CO-406



ER-40 Spring Collet

D = 40.8mm

d	L	Tool No.
3-4mm	46mm	CO-200
6-7mm	46mm	CO-206
9-10mm	46mm	CO-212
10-11mm	46mm	CO-214
11-12mm	46mm	CO-216
12-13mm	46mm	CO-218
15-16mm	46mm	CO-224
20-21mm	46mm	CO-234
25-26mm	46mm	CO-244
1/8	46mm	CO-262
3/16	46mm	CO-264
1/4	46mm	CO-246
3/8	46mm	CO-248
1/2	46mm	CO-250
3/4	46mm	CO-254



ER-50 Spring Collet

D = 52mm

d	L	Tool No.
1/4	60mm	CO-430
1/2	60mm	CO-432
3/4	60mm	CO-436

CNC HIGH PRECISION SPRING COLLET SETS

All spring collets are inspected for quality and 100% accuracy.



Tool No. CO-ER20

Includes 4 collets:

CO-272, CO-276, CO-277, CO-278



Tool No. CO-ER25

Includes 5 collets:

CO-282, CO-284, CO-286, CO-287, CO-288



Tool No. CO-ER32

Includes 4 collets:

CO-174, CO-178, CO-182, CO-190



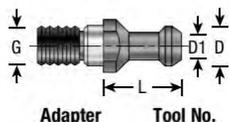
Tool No. CO-ER40

Includes 4 collets:

CO-246, CO-248, CO-250, CO-254

RETAINING STUDS

For CNC Machines



ØD	ØD1	L	G	Adapter	Tool No.
Morbidelli, SCM					
8.5mm(11/32)	6.5mm(1/4)	22mm(7/8)	M10	ISO30	CO-300
Busellato, Weeke, Bulleri, Maka					
13mm(1/2)	9mm(3/8)	24mm(15/16)	M12	ISO30	CO-304
Alberti, Vitap, Masterwood					
13mm(1/2)	9mm(3/8)	24mm(15/16)	M12	ISO30	CO-312
Biesse					
13mm(1/2)	9mm(3/8)	24mm(15/16)	M12	ISO30	CO-328
Biesse, Masterwood, Techno CNC					
12mm(15/32)	8mm(5/16)	24mm(15/16)	M12	ISO30	CO-332
Komo					
13mm(1/2)	9mm(3/8)	24mm(15/16)	M12	BT30	CO-336

Visit www.amantool.com for more Retaining Studs.



CNC SAFETY

Instructions & Guidelines



1. Before operating your machine, read and understand the warnings on the machine from the manufacturer. Failure to comply could lead to serious personal injury and/or costly damage.



2. Keep floor and area around the machine clean and free from scraps.



3. Always wear hearing protection, safety glasses or face shield, dust mask and safety clothing even during short periods of operation.



4. Clothing should not be loose, and sleeves should be rolled up past the elbows. Remove any wrist or hand jewelry. Use non-skid floor mats or non-slip footwear.



5. Do not, under any circumstances, operate your machine while tired or under the influence of medication, alcohol or drugs.



6. Before connecting your machine to the power supply, be sure that the switch is in the OFF position. All adjustments or maintenance should be done with machine unplugged from your power source.



CNC SAFETY INSTRUCTIONS & GUIDELINES



- 7.** Remove all tools and set-up gauges from the table before powering up your machine.



- 8.** Keep safety guards in place at all times when machine is in use. Always check for damage to the guards. If damaged, replace immediately.



- 9.** Always keep a safe distance from the work area while the machine is in operation.



- 10.** For smaller size CNC machines we recommend the use of an enclosure, this will not only help contain dust and noise, but will add an extra layer of safety in the event anything flying off of the machine.



- 11.** Never leave machine running while unattended, always be close to the emergency STOP button and keep clear of any moving parts while machine is in operation.

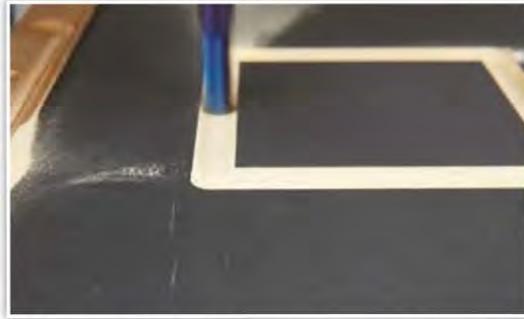
Industrial Spektra
Solid Carbide Spektra™ Extreme Tool Life Coated
Solid Carbide Plastic Cutting Spiral Single 'O' Flute Router Bits
(Operating RPM 10,000)

Bit Diameter	RPM at 10,000 RPM (Feet Per Minute)	Spindle Speed SFM (Cutting Feet Per Minute)	Chip Load Per Tooth
1/4" (6.35mm)	75 - 75	500 - 1,200	0.002" - 0.004"
3/8" (9.52mm)	75 - 75	500 - 1,200	0.002" - 0.004"
1/2" (12.7mm)	75 - 75	500 - 1,200	0.002" - 0.004"
3/4" (19.05mm)	75 - 75	500 - 1,200	0.002" - 0.004"
1" (25.4mm)	75 - 75	500 - 1,200	0.002" - 0.004"
1 1/4" (31.75mm)	75 - 75	500 - 1,200	0.002" - 0.004"
1 1/2" (38.1mm)	75 - 75	500 - 1,200	0.002" - 0.004"
1 3/4" (44.45mm)	75 - 75	500 - 1,200	0.002" - 0.004"
2" (50.8mm)	75 - 75	500 - 1,200	0.002" - 0.004"
2 1/4" (61.75mm)	75 - 75	500 - 1,200	0.002" - 0.004"
2 1/2" (63.5mm)	75 - 75	500 - 1,200	0.002" - 0.004"
2 3/4" (68.75mm)	75 - 75	500 - 1,200	0.002" - 0.004"
3" (76.2mm)	75 - 75	500 - 1,200	0.002" - 0.004"
3 1/4" (86.25mm)	75 - 75	500 - 1,200	0.002" - 0.004"
3 1/2" (88.9mm)	75 - 75	500 - 1,200	0.002" - 0.004"
3 3/4" (95.25mm)	75 - 75	500 - 1,200	0.002" - 0.004"
4" (101.6mm)	75 - 75	500 - 1,200	0.002" - 0.004"
4 1/4" (111.75mm)	75 - 75	500 - 1,200	0.002" - 0.004"
4 1/2" (114.3mm)	75 - 75	500 - 1,200	0.002" - 0.004"
4 3/4" (120.65mm)	75 - 75	500 - 1,200	0.002" - 0.004"
5" (127mm)	75 - 75	500 - 1,200	0.002" - 0.004"
5 1/4" (136.75mm)	75 - 75	500 - 1,200	0.002" - 0.004"
5 1/2" (139.7mm)	75 - 75	500 - 1,200	0.002" - 0.004"
5 3/4" (146.05mm)	75 - 75	500 - 1,200	0.002" - 0.004"
6" (152.4mm)	75 - 75	500 - 1,200	0.002" - 0.004"
6 1/4" (162.25mm)	75 - 75	500 - 1,200	0.002" - 0.004"
6 1/2" (165.1mm)	75 - 75	500 - 1,200	0.002" - 0.004"
6 3/4" (171.45mm)	75 - 75	500 - 1,200	0.002" - 0.004"
7" (177.8mm)	75 - 75	500 - 1,200	0.002" - 0.004"
7 1/4" (187.5mm)	75 - 75	500 - 1,200	0.002" - 0.004"
7 1/2" (190.5mm)	75 - 75	500 - 1,200	0.002" - 0.004"
7 3/4" (196.85mm)	75 - 75	500 - 1,200	0.002" - 0.004"
8" (203.2mm)	75 - 75	500 - 1,200	0.002" - 0.004"
8 1/4" (213.0mm)	75 - 75	500 - 1,200	0.002" - 0.004"
8 1/2" (215.9mm)	75 - 75	500 - 1,200	0.002" - 0.004"
8 3/4" (222.25mm)	75 - 75	500 - 1,200	0.002" - 0.004"
9" (228.6mm)	75 - 75	500 - 1,200	0.002" - 0.004"
9 1/4" (238.4mm)	75 - 75	500 - 1,200	0.002" - 0.004"
9 1/2" (241.3mm)	75 - 75	500 - 1,200	0.002" - 0.004"
9 3/4" (247.65mm)	75 - 75	500 - 1,200	0.002" - 0.004"
10" (254mm)	75 - 75	500 - 1,200	0.002" - 0.004"
10 1/4" (263.75mm)	75 - 75	500 - 1,200	0.002" - 0.004"
10 1/2" (266.7mm)	75 - 75	500 - 1,200	0.002" - 0.004"
10 3/4" (273.05mm)	75 - 75	500 - 1,200	0.002" - 0.004"
11" (279.4mm)	75 - 75	500 - 1,200	0.002" - 0.004"
11 1/4" (289.25mm)	75 - 75	500 - 1,200	0.002" - 0.004"
11 1/2" (292.1mm)	75 - 75	500 - 1,200	0.002" - 0.004"
11 3/4" (298.45mm)	75 - 75	500 - 1,200	0.002" - 0.004"
12" (304.8mm)	75 - 75	500 - 1,200	0.002" - 0.004"
12 1/4" (314.6mm)	75 - 75	500 - 1,200	0.002" - 0.004"
12 1/2" (317.5mm)	75 - 75	500 - 1,200	0.002" - 0.004"
12 3/4" (323.85mm)	75 - 75	500 - 1,200	0.002" - 0.004"
13" (330.2mm)	75 - 75	500 - 1,200	0.002" - 0.004"
13 1/4" (340.0mm)	75 - 75	500 - 1,200	0.002" - 0.004"
13 1/2" (342.9mm)	75 - 75	500 - 1,200	0.002" - 0.004"
13 3/4" (349.25mm)	75 - 75	500 - 1,200	0.002" - 0.004"
14" (355.6mm)	75 - 75	500 - 1,200	0.002" - 0.004"
14 1/4" (365.4mm)	75 - 75	500 - 1,200	0.002" - 0.004"
14 1/2" (368.3mm)	75 - 75	500 - 1,200	0.002" - 0.004"
14 3/4" (374.65mm)	75 - 75	500 - 1,200	0.002" - 0.004"
15" (381mm)	75 - 75	500 - 1,200	0.002" - 0.004"
15 1/4" (390.75mm)	75 - 75	500 - 1,200	0.002" - 0.004"
15 1/2" (393.7mm)	75 - 75	500 - 1,200	0.002" - 0.004"
15 3/4" (399.05mm)	75 - 75	500 - 1,200	0.002" - 0.004"
16" (405.4mm)	75 - 75	500 - 1,200	0.002" - 0.004"
16 1/4" (415.2mm)	75 - 75	500 - 1,200	0.002" - 0.004"
16 1/2" (418.1mm)	75 - 75	500 - 1,200	0.002" - 0.004"
16 3/4" (424.45mm)	75 - 75	500 - 1,200	0.002" - 0.004"
17" (430.8mm)	75 - 75	500 - 1,200	0.002" - 0.004"
17 1/4" (440.6mm)	75 - 75	500 - 1,200	0.002" - 0.004"
17 1/2" (443.5mm)	75 - 75	500 - 1,200	0.002" - 0.004"
17 3/4" (449.85mm)	75 - 75	500 - 1,200	0.002" - 0.004"
18" (456.2mm)	75 - 75	500 - 1,200	0.002" - 0.004"
18 1/4" (466.0mm)	75 - 75	500 - 1,200	0.002" - 0.004"
18 1/2" (468.9mm)	75 - 75	500 - 1,200	0.002" - 0.004"
18 3/4" (475.25mm)	75 - 75	500 - 1,200	0.002" - 0.004"
19" (481.6mm)	75 - 75	500 - 1,200	0.002" - 0.004"
19 1/4" (491.4mm)	75 - 75	500 - 1,200	0.002" - 0.004"
19 1/2" (494.3mm)	75 - 75	500 - 1,200	0.002" - 0.004"
19 3/4" (500.65mm)	75 - 75	500 - 1,200	0.002" - 0.004"
20" (507mm)	75 - 75	500 - 1,200	0.002" - 0.004"
20 1/4" (516.8mm)	75 - 75	500 - 1,200	0.002" - 0.004"
20 1/2" (519.7mm)	75 - 75	500 - 1,200	0.002" - 0.004"
20 3/4" (526.05mm)	75 - 75	500 - 1,200	0.002" - 0.004"
21" (532.4mm)	75 - 75	500 - 1,200	0.002" - 0.004"
21 1/4" (542.2mm)	75 - 75	500 - 1,200	0.002" - 0.004"
21 1/2" (545.1mm)	75 - 75	500 - 1,200	0.002" - 0.004"
21 3/4" (551.45mm)	75 - 75	500 - 1,200	0.002" - 0.004"
22" (557.8mm)	75 - 75	500 - 1,200	0.002" - 0.004"
22 1/4" (567.6mm)	75 - 75	500 - 1,200	0.002" - 0.004"
22 1/2" (570.5mm)	75 - 75	500 - 1,200	0.002" - 0.004"
22 3/4" (576.85mm)	75 - 75	500 - 1,200	0.002" - 0.004"
23" (583.2mm)	75 - 75	500 - 1,200	0.002" - 0.004"
23 1/4" (593.0mm)	75 - 75	500 - 1,200	0.002" - 0.004"
23 1/2" (595.9mm)	75 - 75	500 - 1,200	0.002" - 0.004"
23 3/4" (602.25mm)	75 - 75	500 - 1,200	0.002" - 0.004"
24" (608.6mm)	75 - 75	500 - 1,200	0.002" - 0.004"
24 1/4" (618.4mm)	75 - 75	500 - 1,200	0.002" - 0.004"
24 1/2" (621.3mm)	75 - 75	500 - 1,200	0.002" - 0.004"
24 3/4" (627.65mm)	75 - 75	500 - 1,200	0.002" - 0.004"
25" (634mm)	75 - 75	500 - 1,200	0.002" - 0.004"
25 1/4" (643.8mm)	75 - 75	500 - 1,200	0.002" - 0.004"
25 1/2" (646.7mm)	75 - 75	500 - 1,200	0.002" - 0.004"
25 3/4" (653.05mm)	75 - 75	500 - 1,200	0.002" - 0.004"
26" (659.4mm)	75 - 75	500 - 1,200	0.002" - 0.004"
26 1/4" (669.2mm)	75 - 75	500 - 1,200	0.002" - 0.004"
26 1/2" (672.1mm)	75 - 75	500 - 1,200	0.002" - 0.004"
26 3/4" (678.45mm)	75 - 75	500 - 1,200	0.002" - 0.004"
27" (684.8mm)	75 - 75	500 - 1,200	0.002" - 0.004"
27 1/4" (694.6mm)	75 - 75	500 - 1,200	0.002" - 0.004"
27 1/2" (697.5mm)	75 - 75	500 - 1,200	0.002" - 0.004"
27 3/4" (703.85mm)	75 - 75	500 - 1,200	0.002" - 0.004"
28" (710.2mm)	75 - 75	500 - 1,200	0.002" - 0.004"
28 1/4" (720.0mm)	75 - 75	500 - 1,200	0.002" - 0.004"
28 1/2" (722.9mm)	75 - 75	500 - 1,200	0.002" - 0.004"
28 3/4" (729.25mm)	75 - 75	500 - 1,200	0.002" - 0.004"
29" (735.6mm)	75 - 75	500 - 1,200	0.002" - 0.004"
29 1/4" (745.4mm)	75 - 75	500 - 1,200	0.002" - 0.004"
29 1/2" (748.3mm)	75 - 75	500 - 1,200	0.002" - 0.004"
29 3/4" (754.65mm)	75 - 75	500 - 1,200	0.002" - 0.004"
30" (761mm)	75 - 75	500 - 1,200	0.002" - 0.004"
30 1/4" (770.8mm)	75 - 75	500 - 1,200	0.002" - 0.004"
30 1/2" (773.7mm)	75 - 75	500 - 1,200	0.002" - 0.004"
30 3/4" (780.05mm)	75 - 75	500 - 1,200	0.002" - 0.004"
31" (786.4mm)	75 - 75	500 - 1,200	0.002" - 0.004"
31 1/4" (796.2mm)	75 - 75	500 - 1,200	0.002" - 0.004"
31 1/2" (799.1mm)	75 - 75	500 - 1,200	0.002" - 0.004"
31 3/4" (805.45mm)	75 - 75	500 - 1,200	0.002" - 0.004"
32" (811.8mm)	75 - 75	500 - 1,200	0.002" - 0.004"
32 1/4" (821.6mm)	75 - 75	500 - 1,200	0.002" - 0.004"
32 1/2" (824.5mm)	75 - 75	500 - 1,200	0.002" - 0.004"
32 3/4" (830.85mm)	75 - 75	500 - 1,200	0.002" - 0.004"
33" (837.2mm)	75 - 75	500 - 1,200	0.002" - 0.004"
33 1/4" (847.0mm)	75 - 75	500 - 1,200	0.002" - 0.004"
33 1/2" (849.9mm)	75 - 75	500 - 1,200	0.002" - 0.004"
33 3/4" (856.25mm)	75 - 75	500 - 1,200	0.002" - 0.004"
34" (862.6mm)	75 - 75	500 - 1,200	0.002" - 0.004"
34 1/4" (872.4mm)	75 - 75	500 - 1,200	0.002" - 0.004"
34 1/2" (875.3mm)	75 - 75	500 - 1,200	0.002" - 0.004"
34 3/4" (881.65mm)	75 - 75	500 - 1,200	0.002" - 0.004"
35" (888mm)	75 - 75	500 - 1,200	0.002" - 0.004"
35 1/4" (897.8mm)	75 - 75	500 - 1,200	0.002" - 0.004"
35 1/2" (900.7mm)	75 - 75	500 - 1,200	0.002" - 0.004"
35 3/4" (907.05mm)	75 - 75	500 - 1,200	0.002" - 0.004"
36" (913.4mm)	75 - 75	500 - 1,200	0.002" - 0.004"
36 1/4" (923.2mm)	75 - 75	500 - 1,200	0.002" - 0.004"
36 1/2" (926.1mm)	75 - 75	500 - 1,200	0.002" - 0.004"
36 3/4" (932.45mm)	75 - 75	500 - 1,200	0.002" - 0.004"
37" (938.8mm)	75 - 75	500 - 1,200	0.002" - 0.004"
37 1/4" (948.6mm)	75 - 75	500 - 1,200	0.002" - 0.004"
37 1/2" (951.5mm)	75 - 75	500 - 1,200	0.002" - 0.004"
37 3/4" (957.85mm)	75 - 75	500 - 1,200	0.002" - 0.004"
38" (964.2mm)	75 - 75	500 - 1,200	0.002" - 0.004"
38 1/4" (974.0mm)	75 - 75	500 - 1,200	0.002" - 0.004"
38 1/2" (976.9mm)	75 - 75	500 - 1,200	0.002" - 0.004"
38 3/4" (983.25mm)	75 - 75	500 - 1,200	0.002" - 0.004"
39" (989.6mm)	75 - 75	500 - 1,200	0.002" - 0.004"
39 1/4" (999.4mm)	75 - 75	500 - 1,200	0.002" - 0.004

CNC SAFETY INSTRUCTIONS & GUIDELINES



- 15.** Keep bits clean and sharp for best results and performance. Do not use dull or damaged tools.



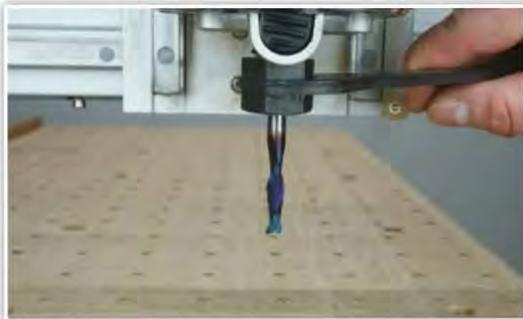
- 16.** Plan your tool paths to make multiple passes rather than cut a large amount of material at one time. This will reduce heat and stress on the tool.



- 17.** Always secure your work piece to the spoilboard using clamps, vacuum or double-sided tape. Never try to hold any work piece on the table by hand.



- 18.** Make sure your stock is free of nails, screws, staples, grit or any other foreign objects, and free of any warping or twist.



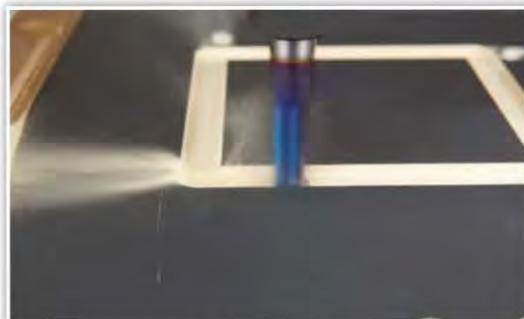
- 19.** Make sure the collet is securely tightened after installing your cutting tool. Any unsecured cutting tool may fly loose from the collet and cause serious injury and damage.



- 20.** Collets are critical and need to be replaced on an average of every 500 hours or when damaged.



- 21.** Avoid dwelling in the cut. This will lead to premature tool wear and failure.



- 22.** Plunge cutting is not always best. Whenever possible, you should ramp into the cut. This will eliminate heat being generated during the process and could also eliminate burn marks at the tip.



CNC SAFETY INSTRUCTIONS & GUIDELINES



- 23.** Drilling holes – Router bits were made for routing. Drills turn at a much lower RPM than routers do; router bits generate too much heat when drilling, use a bit around half the diameter of the hole you're pocketing for best chip evacuation and reduced heat buildup.



- 25.** Dust collection system and vacuum systems will aid in a fires speed travel. A tool left running in the same place for a sufficient amount of time, can and will start a fire. It is essential to never leave a CNC running without an operator.



- 27.** Never start the machine with the tool in contact with the work piece.



- 24.** Over tightening of the collet – Collets are made of spring steel and are subject to distortion when put under undue pressure. It is always recommended that collets be tightened to the manufacturer's specifications with the use of a torque wrench.



- 26.** Proper Tool Installation – To ensure proper fit and prevent unnecessary strain on the collet, use the collet designed to fit your shank diameter. The tool's flute should never extend into the collet and should always be inserted up to the straight line on the 'K' mark on all of the Amana Tools bits.



For up to date Safety Guidelines in English, French and Spanish visit www.amanatool.com/safety

INDUSTRIAL

Straight Plunge Router Bits

- Extra strong carbide, lasts 200% longer
- New generation of high wear outstanding carbide
- Superior geometric design provides super clean cuts
- Cost effective



Excellent For Cutting:

- Wood
- MDF
- Plywood



HIGH PRODUCTION STRAIGHT PLUNGE

Carbide Tipped • Single Flute

AMAX extended life carbide features a 200% longer tool life, a superior geometric design and super clean cuts in wood, MDF and plywood. Single flute is used when cut speed is more important than cut finish.



1/4" and 3/8" Shank

ØD	B	Ød	L	Tool No.
1/8	7/16	1/4	2	45100
3/16	7/16	1/4	2	45102
1/4	1/2	1/4	2	45104
1/4	3/4	1/4	2	45106
1/4	1	1/4	2-1/4	45108
1/4	1	1/4	3-1/4	45110*
3/8	1	3/8	2-1/2	45300

* Specifically designed for air powered routers as used in the boat manufacturing industry.



1/2" Shank

ØD	B	Ød	L	Tool No.
1/4	3/4	1/2	2-1/2	45304
3/8	1	1/2	2-3/4	45302
5/16	3/4	1/2	2-1/2	45306
1/2	3/4	1/2	2-3/8	45307
1/2	1-1/4	1/2	2-7/8	45308
1/2	1-1/2	1/2	3-1/8	45310
1/2	2	1/2	4-1/4	45312
1/2	2-1/2	1/2	4-3/8	45313
9/16	1-1/4	1/2	2-7/8	45314

CNC HIGH PRODUCTION STRAIGHT PLUNGE OPEN FLUTE

Carbide Tipped • 2 Flute • 3/4" Shank

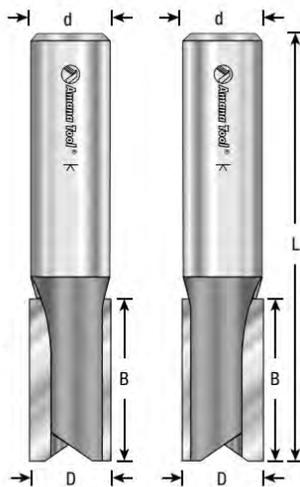
For high-volume production work. Long, 3/4" shanks extend the bits reach, enhancing its versatility. Open-flute design promotes rapid chip clearance, necessary for high feed rates. Right-hand configuration for standard clockwise rotation.

Left-hand configuration for counter-clockwise rotation "Topmaster" machines.



ØD	B	Ød	L	Configuration	Tool No.
3/4	2	3/4	4	Right-Hand	45455
3/4	2-1/2	3/4	4-1/2	Right-Hand	45456
3/4	2-1/2	3/4	5	Left-Hand	45457

Note: Chipbreaker option (special order): Designed to cut chipboard and MDF at high automatic feed rates found on CNC machines. Each flute is ground so that the chipbreakers are staggered to each other, giving a straight cut. To order, add 'CB' suffix (ie: #45454-CB).



Excellent For Cutting:

- Wood
- MDF
- Plywood

HIGH PRODUCTION STRAIGHT PLUNGE

Carbide Tipped • 2 Flute • 1/8" and 1/4" Shank

Use a two-flute bit where fine finish is paramount.



ØD	B	Ød	L	Tool No.
1/16	3/16	1/8	1-1/2	46480 ++
1/16	3/16	1/4	1-5/8	45190 -†
5/64	3/16	1/4	1-3/4	45191 -†
3/32	1/4	1/8	1-1/2	46482 ++
3/32	1/4	1/4	1-3/4	45192 -†
1/8	7/16	1/8	1-1/2	45199 ++
1/8	7/16	1/4	2	45200 -† (5)
5/32	7/16	1/4	2	45201 ~
3/16	7/16	1/4	2	45202 ~ (5)
3/16	5/8	1/4	2-3/16	45239
13/64	3/4	1/4	2	45217
7/32	3/4	1/4	2	45206
15/64	3/4	1/4	2	45203
1/4	1/2	1/4	2	45204
1/4	3/4	1/4	2	45208 (5)
1/4	3/4	1/4	3	DRB-420 (5)
1/4	1	1/4	2-1/4	45210 (5)
1/4	1	1/4	2-1/2	45210-01
1/4	1	1/4	3	45210-3
1/4	1	1/4	3-3/4	45210-3.75
1/4	1	1/4	2-7/8	45211 * (5)
1/4	1	1/4	3-1/4	45205 *
9/32	1	1/4	2-1/4	45212
9/32	1	1/4	3	45212-01
5/16	3/4	1/4	2	45242
5/16	1	1/4	2-1/4	45214
5/16	1	1/4	2-3/4	45214-01
3/8	3/4	1/4	2	45216
3/8	1	1/4	2	45218S
3/8	1	1/4	2-1/4	45218
3/8	1-1/4	1/4	2-1/2	45220
13/32	1	1/4	2-1/2	45193
7/16	1	1/4	2-1/8	45222
15/32	3/4	1/4	2	45223
1/2	3/4	1/4	1-3/4	45224
1/2	3/4	1/4	2-1/4	45224-01
1/2	1	1/4	2-1/8	45226 (5)
1/2	1	1/4	2-13/16	45244
1/2	1-3/16	1/4	2-5/8	RC-45226 (5)
1/2	1-1/4	1/4	2-1/2	45245
9/16	3/4	1/4	2-1/8	45227
19/32	3/4	1/4	2-1/4	45238-01
5/8	3/4	1/4	2	45228
5/8	1	1/4	2-1/4	45247
5/8	1-1/4	1/4	2-7/8	45249
11/16	3/4	1/4	2	45229
23/32	3/4	1/4	2	45231
3/4	3/4	1/4	2	45230 (5)
3/4	3/4	1/4	2	RC-1024 (5)
3/4	1	1/4	2-1/4	45251
3/4	1	1/4	2-5/8	45251-01
13/16	3/4	1/4	2	45232
7/8	3/4	1/4	2	45234
1	3/4	1/4	2	45236

8-Pc Set includes (1/16), (1/8), (3/16), (1/4), (3/8), (1/2), (5/8), (3/4) **AMS-103**

† Not guaranteed due to extremely small diameter.

~ With solid carbide cutting edge.

* Not guaranteed due to extreme length.

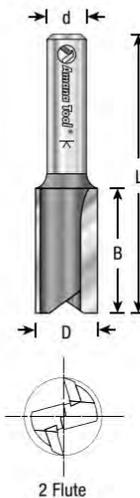
++ Solid carbide.

Polycrystalline Diamond (PCD) for extremely long life.

Replacement Knife #AMA-30 (tool #RC-45226 - single flute).

Replacement Knife #AMA-12 (tool #RC-1024 - 2 flute).

(5) = 5 packs available. For packs add -5, for example 45200-5.

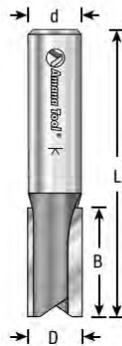
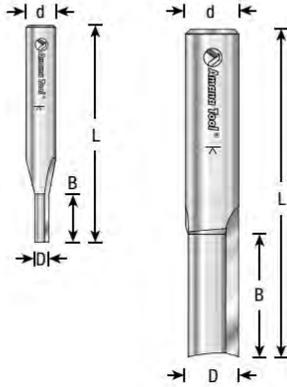


Excellent For Cutting:

- Wood
- MDF
- Plywood



Set #AMS-103



HIGH PRODUCTION STRAIGHT PLUNGE

Solid Carbide • Single & 2 Flute

For high volume, high speed cutting in dense natural woods and abrasive wood composites, use solid carbide bits. Solid carbide dissipates heat more uniformly, extending tool life.

Single flute bits cut faster, with better chip clearance.

Two-flute bits cut more slowly, leaving a smoother finish.

Excellent For Cutting:

- Dense, Natural Woods
- Abrasive Wood Composites



ØD	B	Ød	L	Flute	Tool No.
1/16	3/16	1/4	1-1/2	1	43509 <i>New</i>
1/8	7/16	1/4	2	1	43700
1/4	3/4	1/4	2	1	43716
1/4	1	1/4	2	1	43720
1/4	1	1/4	3	1	43724
5/32	7/16	1/4	2	2	43800
3/16	1/2	1/4	2	2	43808
1/4	1/2	1/4	2	2	43812
1/4	3/4	1/4	2-1/2	2	43820
1/4	1	1/4	2-1/2	2	43824
1/4	1	1/4	2-7/8	2	43828
1/2	3-1/2	1/2	5-17/32	2	45189 <i>New</i>

▲ **Warning:** Maximum RPM=28,000

HIGH PRODUCTION STRAIGHT PLUNGE

Carbide Tipped • 2 Flute • 3/8" Shank

Use a two-flute bit where fine finish is paramount. Two flutes balance the bit, eliminating vibration that degrades the cut finish. Two cuts per revolution yield a smooth surface, but feed rate is slightly reduced.

- Extended life fine micro-grain harder carbide
- Superior geometric design
- Advanced grinding technology that improves the carbides' resistance to wear
- Super clean cuts
- Carbide Tipped



ØD	B	Ød	L	Tool No.
3/8	1	3/8	2-1/2	45402
3/8	1-1/4	3/8	2-3/4	45400
3/8	1-1/4	3/8	3-3/8	45404
1/2	1	3/8	2-1/2	45406

8-PC. STRAIGHT PLUNGE SET

1/4" Shank • Carbide Tipped Router Bit Collection

AMAX extended life carbide features a 200% longer tool life, a superior geometric design and super clean cuts in wood, MDF and plywood. Extended life fine micro-grain harder carbide.

Excellent For Cutting:

- Wood
- MDF
- Plywood



HIGH PRODUCTION STRAIGHT PLUNGE

Carbide Tipped • 2 Flute • 12mm & 1/2" Shank

AMAX extended life carbide features a 200% longer tool life, a superior geometric design and super clean cuts in wood, MDF and plywood.



ØD	B	Ød	L	Flute	Tool No.
6mm	21mm	12mm	77mm	3	45185-M
1/4	3/4	1/2	2-1/2	2	45408 ~ (5)
1/4	7/8	1/2	2-27/32	3	45408-3~
1/4	1	1/2	2-3/4	2	45486
7mm	3/4	1/2	2-3/4	2	45254
9/32	3/4	1/2	2-3/4	2	45409
5/16	3/4	1/2	2-1/2	2	45410
5/16	1	1/2	2-3/4	2	45412
5/16	1-1/8	1/2	3	3	45186-3
3/8	3/4	1/2	2-1/2	2	45413
3/8	1	1/2	2-3/4	2	45414 (5)
3/8	1-1/4	1/2	3	2	45415 * (5)
13/32	3/4	1/2	2-1/2	2	45401
11mm	25mm	12mm	70mm	2	45255 New
7/16	1-1/4	1/2	3	2	45416
15/32	1-1/4	1/2	2-7/8	2	45425
1/2	3/4	1/2	2-1/4	2	45419 †
1/2	3/4	1/2	4	2	DRB-424
1/2	1	1/2	2-5/8	2	45418 (5)
1/2	1-1/4	1/2	2-7/8	2	45420 (5)
1/2	1-1/2	1/2	3-1/8	2	45422 (5)
1/2	1-1/2	1/2	4-1/4	2	45424
1/2	2	1/2	3-1/2	2	45426S
1/2	2	1/2	4-1/4	2	45426 (5)
1/2	2-1/2	1/2	4-1/2	2	45427 * (5)
1/2	2-1/2	1/2	5-1/2	2	45427-01 *
1/2	3	1/2	5-1/4	2	45477 *
17/32	1-1/4	1/2	2-7/8	2	45429
9/16	1-1/4	1/2	2-7/8	2	45428
19/32	1-1/4	1/2	2-7/8	2	45437
5/8	1	1/2	2-5/8	2	45430
5/8	1-1/4	1/2	2-7/8	2	45432
5/8	1-1/2	1/2	3-1/8	2	45434
5/8	2	1/2	3-3/4	2	45433
21/32	1-1/4	1/2	2-7/8	2	45435
11/16	1-1/4	1/2	2-7/8	2	45436
23/32	1-1/4	1/2	2-7/8	2	45445
3/4	5/8	1/2	2-1/4	2	45181
3/4	1	1/2	2-5/8	2	45438
3/4	1-1/4	1/2	2-7/8	2	45440 (5)
3/4	1-1/2	1/2	3-1/8	2	45442
3/4	2	1/2	3-5/8	2	45441
25/32	1-1/4	1/2	2-7/8	2	45443
13/16	1-1/4	1/2	2-7/8	2	45444
7/8	1-1/4	1/2	2-7/8	2	45446 (5)
15/16	1-1/4	1/2	3	2	45182
1	1-1/4	1/2	2-7/8	2	45448 (5)
1	1-1/2	1/2	3-1/8	2	45403
1	2	1/2	3-5/8	2	45447
1-1/16	1-1/4	1/2	2-7/8	2	45459
1-1/8	1-1/4	1/2	2-7/8	2	45449
1-1/4	1-1/4	1/2	2-7/8	2	45450 ▲ 27.5
1-1/2	1-1/4	1/2	2-7/8	2	45452 ▲ 27.5
1-3/4	1-1/4	1/2	2-7/8	2	45453 ▲ 24
2	1-1/4	1/2	2-7/8	2	45480 ▲ 22

* Not guaranteed due to extreme length. ~With solid carbide cutting edge.

† For post form countertop machines.

▲ Polycrystalline Diamond (PCD) for extremely long life.

▲ Warning: Maximum RPM ▲ 22 =22,000; ▲ 24 =24,000; ▲ 27.5 =27,500

(5) = 5 packs available. For packs add -5, for example 45426-5.

INDUSTRIAL STRAIGHT PLUNGE ROUTER BITS



Left Hand Rotation
Straight Plunge, see page 92

UP TO
800
IPM*

3 FLUTE
FOR IMPROVED
CUT QUALITY

SMALL
DIAMETER
EQUALS
MINIMAL
MATERIAL
WASTE

IN PRESTA™

THE EXTREMELY FAST CNC NESTING BIT



CNC 3 FLUTE HIGH PRODUCTION STRAIGHT PLUNGE



Solid Carbide (brazed to steel body) • 3 Flute • 1/2" & 12mm Shank

Small cutting diameter CNC Nesting router bit with solid carbide cutting edges brazed into steel 1/2" & 12mm shank.

For cutting 3/4" thick material in one pass!

- Excellent for nesting & grooving at an extremely fast feed rate which increases cost savings
- 1/4", 6mm & 5/16" cutting diameter for reduced material waste
- 3 flute for improved surface finish
- The unique design contributes to superb performance and excellent cutting results
- Designed primarily for high speed CNC production
- Long lasting, fine micrograin extra hard carbide resulting in long tool life before re-sharpening

ØD	B	Ød	L	Flute	Tool No.
6mm	21mm	12mm	77mm	3	45185-M <small>New</small>
1/4"	7/8"	1/2"	2-27/32"	3	45408-3
5/16"	1-1/8"	1/2"	3"	3	45186-3

*FEED & SPEED

Up to 800 IPM feed rate at 18,000 RPM cutting laminated particle board. Rate may change depending on material and CNC machine type.

Excellent for cutting:

- Particle Board, MDF & Melamine: Feed rate up to 800 IPM† at 18,000 RPM**
- Plywood: Feed rate up to 500 IPM† at 18,000 RPM**

† IPM: Inches Per Minute, **RPM: Revolutions Per Minute



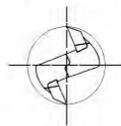
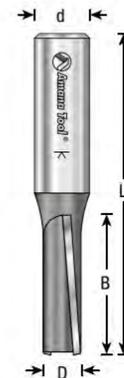
PRODUCTION SHEAR

Carbide Tipped • 2 Flute • 3° Down-Shear

Excellent for working composition board and melamine, this bit cuts with a shearing action, slicing very slightly downward to prevent chipping & tearing of the surface veneer or coating. It augers chips away from the router. Designed primarily for production applications where the router is above the work.



ØD	B	Ød	L	Tool No.
3/8	1	1/2	2-3/4	45414-PS
1/2	1-1/4	1/2	2-7/8	45420-PS
1/2	1-1/2	1/2	3-1/8	45422-PS
1/2	2	1/2	4-1/4	45426-PS



Top View



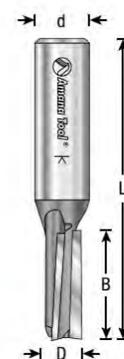
3 FLUTE HIGH PRODUCTION SHEAR

Carbide Tipped • 3° Up-Shear

Excellent for working composition board and melamine, this bit cuts with an upward shearing action to prevent chipping & tearing of the bottom of veneer or coated material. Designed primarily for production applications where the router is below the work.



ØD	B	Ød	L	Tool No.
3/8	1	1/2	2-3/4	45414-3US
1/2	1-1/2	1/2	3-1/8	45422-3US



OPPOSITE-SHEAR STAGGERED TOOTH

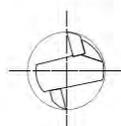
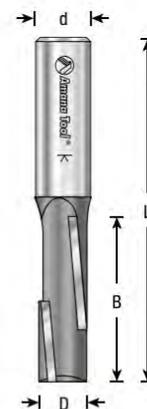
Carbide Tipped • 2 Flute

A stagger-tooth bit has two cutting edges, each only half the flute length, located 180° apart, one high, one low. The result is a tool that combines the speed and chip clearance of a one-flute bit with the strength and balance of a two-flute bit. This "opposite-shear" configuration features a down-shear edge and an up-shear edge.

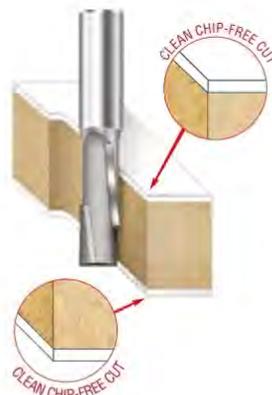
On a through-cut, it shears down on both surfaces at the same time. It is excellent for working double-sided melamine, plywood, laminates, and veneers, as well as solid-surface materials.

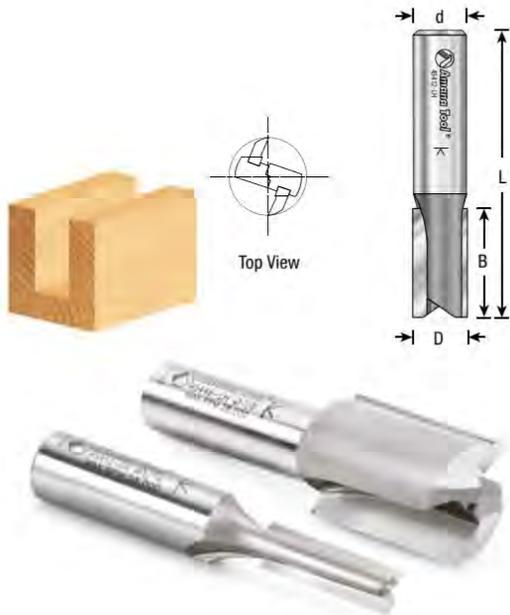


ØD	B	Ød	L	Tool No.
1/2	1-1/2	1/2	3-1/8	51320
1/2	2	1/2	4-1/8	51324



Top View





LEFT HAND PLUNGE

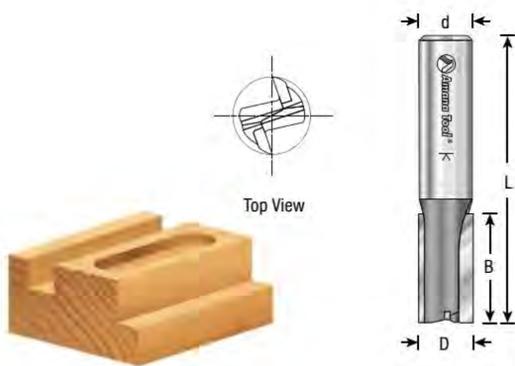
Carbide Tipped • 2 Flute • 1/4" and 1/2" Shank

These plunging straight bits are for reverse-rotation (counter-clockwise) routers.



ØD	B	Ød	L	Tool No.
1/8	7/16	1/4	2	45200-LH* New
1/4	1	1/4	2	45215-LH New
3/8	1	1/2	2-3/4	45414-LH
1/2	1-1/4	1/2	2-7/8	45420-LH
1/2	1-1/2	1/2	3-1/8	45422-LH
1/2	2	1/2	4-1/4	45426-LH
3/4	1-1/4	1/2	2-7/8	45440-LH
3/4	2	1/2	3-5/8	45441-LH
7/8	1-1/4	1/2	2-7/8	45446-LH
1-1/4	1-1/4	1/2	2-7/8	45450-LH

* Solid carbide (brazed to steel shank).



SUPER PLUNGE™ WITH CENTER CARBIDE TIP

Carbide Tipped • 2 Flute • 1/2" Shank

This bit has a specially designed carbide center tip enhancing the speed of plunge cuts. At the same time, it extends the life of the cutting edges by reducing the stress of plunge cuts on their tips. Ideal for mortising and other plunging operations.



ØD	B	Ød	L	Tool No.
1/2	1-1/2	1/2	3-1/8	41422
1/2	2	1/2	4-1/4	41426
3/4	1	1/2	2-5/8	41438
1	1	1/2	2-5/8	41448



METRIC STRAIGHT PLUNGE FOR UNDERSIZED PLYWOOD DADO

Carbide Tipped • 2 Flute



ØD	Actual Plywood Thickness	B	Ød	L	Tool No.
6mm	—	25mm	6mm	57mm	45213
7mm	—	3/4	1/2	2-3/4	45254
8mm	—	25mm	8mm	63mm	45215
10mm	—	19mm	1/4	2-1/8	45219
10mm	—	19mm	1/2	2-1/2	45417
12mm	12mm	3/4	1/4	2	45240
12mm	12mm	1-1/4	1/2	2-7/8	45488
12mm	—	38mm	12mm	79mm	45253
14mm	—	25mm	1/2	2-5/8	45431*
18mm	18mm	3/4	1/4	2	45256
18mm	18mm	1-1/4	1/2	2-7/8	45498

* 14mm bits for cutting plastic pilaster.

Note: Many standard metric plunge bits from 3mm through 51mm are available on special order. Please allow 2 to 3 weeks for delivery. See above for metric sized plywood bits.

Note: For 6mm board, use #45203 (15/64) shown in fractional section on page 96.

UNDERSIZED PLYWOOD DADO

Carbide Tipped • 2 Flute

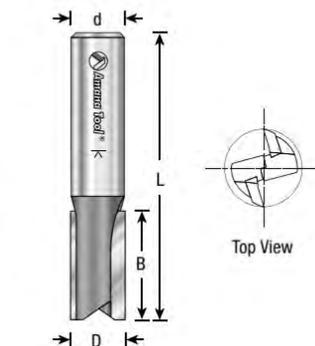
Straight Plunge Fractional Sizes.

Cut dado and groove dimensions perfectly for plywood, flakeboard and other sheet materials for which standard-size bits are too large.



ØD	Actual Plywood Thickness	B	Ød	L	Tool No.
15/64	1/4 minus 1/64 (6.0mm)	3/4	1/4	2	45203
7/32	1/4 minus 1/32	3/4	1/4	2	45206
15/32	1/2 minus 1/32	3/4	1/4	2	45223
15/32	1/2 minus 1/32	1-1/4	1/2	2-7/8	45425
19/32	5/8 minus 1/32	1-1/4	1/2	2-7/8	45437
23/32	3/4 minus 1/32	3/4	1/4	2	45231
23/32	3/4 minus 1/32	1-1/4	1/2	2-7/8	45445

Note: For 6mm board, use #45203 (15/64) shown in fractional section above.



INSERT CARBIDE STRAIGHT

Single & 2 Flute



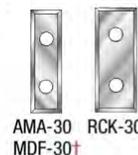
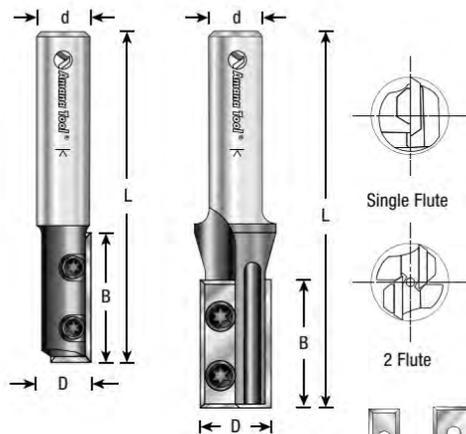
ØD	B	Ød	L	Flute	Repl. Knives	Repl. Screws	Tool No.
1/2	30mm	1/2	3	1	AMA-30 †	67117	RC-1154
3/4	30mm	1/2	3-3/8	2	RCK-30	67115	RC-1084
1-1/16	30mm	1/2	3-15/32	2	RCK-30	67115	RC-1089

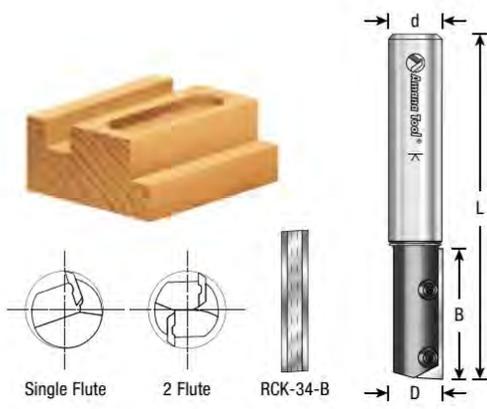
† Optional knife with harder carbide for MDF applications: #MDF-30.

#5005 Torx® key included.

Note: All above plunge bits have four cutting edges per knife.

Metric sizes from 12mm to 22mm available on special order — please inquire.





INSERT CARBIDE STRAIGHT

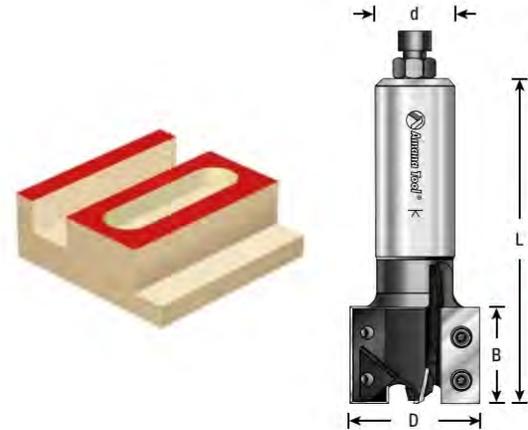
Single & 2 Flute

These router bits yield cuts which are cleaner than typical insert bits, offering high speed cuts with super clean finish. They also are channel set, double edge knives. Each blade has a double-sided cutting edge for economy. The insert carbide is much harder than brazed carbide. There is minimum amount of downtime for blade changes.



ØD	B	Ød	L	Flute	Repl. Knives	Repl. Screws	Tool No.
3/8	20mm	1/2	2-7/8	1	RCK-32	67015	RC-3100
1/2	30mm	1/2	3-1/8	2	RCK-34-B	67016	RC-3200

Replacement 1.5mm special hex key #5011.
Replacement spring washer: #RC-3110 and #RC-3200 use #67105.



CNC INSERT CARBIDE SUPER PLUNGE

This router bit is designed for fast and direct penetration into the material and quick removal of wood, MDF, melamine and man-made material.



ØD	B	Teeth	Repl. Knife	Repl. Knife	Ød	L	Tool No.
40mm(1-1/2)	29.5mm(1-5/32)	2+2	RCK-30	AMA-12	3/4	100mm(4)	RC-2180

Replacement screw #67115.

CNC feed and speed available online



CNC INSERT CARBIDE STAGGER-TOOTH

Complete with two flutes and multiple cutting blades. Blades are sheared up and down to ensure a good finish on both top and bottom surfaces of laminated and veneered boards. For use on routers and machining centers with CNC control.

ØD	B	# of Knives	Repl. Knife	Max RPM	Ød	L	Tool No.
22mm(7/8)	62mm(2-7/16)	6	AMA-12	18,000	3/4	135mm(5-5/16)	RC-4204

Replacement screw #67110.

 CNC feed and speed available online



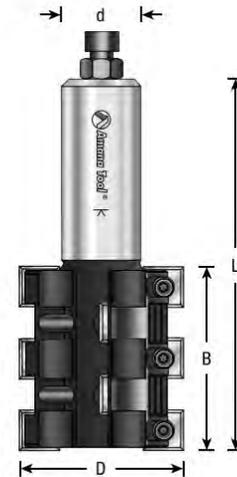
CNC INSERT CARBIDE ROUGH RABBETING & SIZING

Insert straight router bit with multiple cutting flutes. Suitable for rough rabbeting and sizing in softwood, hardwood and man-made boards (with or without coating). Multiple cutting flutes ensure fine chips are produced for improved waste extraction. Replaceable inserts ensure a constant cutting diameter. For use on routers and machining centers with CNC control.

ØD	B	# of Knives	Repl. Knife	Max RPM	Ød	L	Tool No.
50mm(2)	56mm(2-13/64)	10	AMA-12	18,000	3/4	113mm(4-1/2)	RC-2350

Replacement screw #67115.

 CNC feed and speed available online





Extended Life

INDUSTRIAL Solid Carbide Spiral & Compression CNC Bits

**HARDER
CARBIDE**



SPIRAL FLUTE PLUNGE

Solid Carbide • 2 & 3 Flute • Up-Cut & Down-Cut



Great for production settings and excellent for creating grooves and dado cuts in wood, laminate, MDF and plywood. Unique carbide grade, increased clearance geometry and razor-sharp cutting edges with polished flutes provide a superior finish and longer tool life especially in abrasive materials.

ØD	B	Ød	L	Flute	Up-Cut Tool No.	Down-Cut Tool No.
1/64	3/32	1/8	2	2	46143 †*	46402 †*
1/32	1/8	1/8	2	2	46145 †*	46229 †*
3/64	1/8	1/8	2	2	—	46231 †*
1/16	3/16	1/8	2	2	46147 †*	46237 †*
1/16	1/2	1/4	2	2	46009 * ⑤	46403 *
5/64	1/8	1/8	2	2	46003 †*	46406 †*
3/32	1/4	1/8	2	2	46004 †*	46239 *
7/64	1/4	1/8	2	2	46005 †*	—
1/8	1/2	1/8	2	2	46127 †	46227 †
1/8	1/2	1/4	2	2	46100 ⑤	46200
1/8	1/2	1/4	2-1/4	2	46333	46433
1/8	13/16	1/4	2-1/2	2	46125 ⑤	46225
5/32	5/8	1/4	2-1/2	2	46310	46410
3/16	3/4	1/4	2	2	46101	46201
3/16	3/4	1/4	2-1/2	2	46131	46331
5mm	2-1/8	5/16	2-1/2	2	46062	—
7/32	1	1/4	2-1/2	2	46314	46414
1/4	3/8	1/4	2-1/2	2	—	46437
1/4	5/8	1/4	2-1/2	2	46338	46438
1/4	3/4	1/4	2-1/2	2	46102 ⑤	46202
1/4	3/4	1/4	2-1/4	2	46102-S	46202-S
1/4	1	1/4	2-1/2	2	46315 ⑤	46415
1/4	1-1/8	1/4	3	2	46316	46416
1/4	1-1/4	1/4	3	2	46321 ⑤	46421
9/32	1	5/16	2-1/2	2	46317	46417
9/32	1	1/2	3	2	46117	46217
5/16	1	5/16	2-1/2	2	46325	46422
5/16	1	1/2	3	2	46119	46219
5/16	1-1/8	1/2	3	2	46318	—
8mm	3/4	3/8	2-1/2	2	46063 <i>New</i>	—
8mm	3/4	1/2	3	2	46064 <i>New</i>	—
3/8	7/8	3/8	3	2	46339	46439
3/8	1	3/8	2-1/2	2	46103	46203
3/8	1	3/8	3	2	46007 <i>New</i>	—
3/8	1-1/4	3/8	3	2	46320	46420
3/8	1-1/2	3/8	4	2	46323	46423
3/8	1-5/8	3/8	4	2	—	46445
3/8	1-1/4	1/2	3	2	46104	46204
10mm	3/4	1/2	3	2	46065 <i>New</i>	—
7/16	1	1/2	3	2	46335	46435
1/2	7/8	1/2	3	2	46210	46447
1/2	1-1/8	1/2	3	2	46336	46436
1/2	1-1/4	1/2	3	2	46106	46206
1/2	1-5/8	1/2	3-1/2	2	46107	46207
1/2	2	1/2	4	2	46329	46429
1/2	2-1/8	1/2	4	2	46006 <i>New</i>	—
5/8	1-5/8	5/8	3-1/2	2	—	46208 ▲
1/4	3/4	1/4	2-1/2	3	46149	—
3/8	1-1/4	3/8	3	3	46114	46214
1/2	1-1/2	1/2	3-1/2	3	46116	46216
1/2	2	1/2	4	3	46118	46218

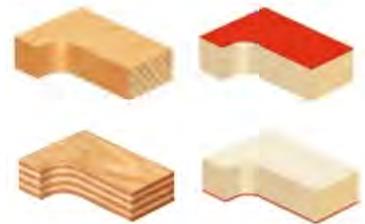
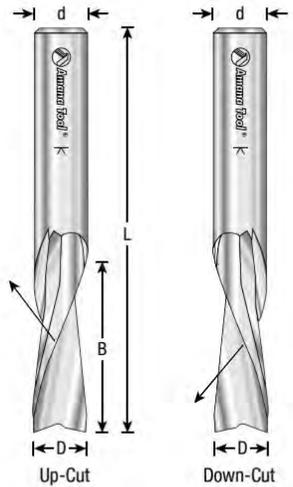
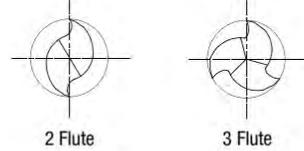
▲ **Warning:** These tools have an open flute design (not anti-kickback) and are intended for high feed-rate CNC machine use only. **Do not use in portable routers.**

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

***Warning:** Due to the extremely small diameters involved, bits are not guaranteed against breakage. Please exercise caution to the accurate calculations of all feed and speed rates.

⑤ = 5 packs available. For packs add -5, for example 46125-5.

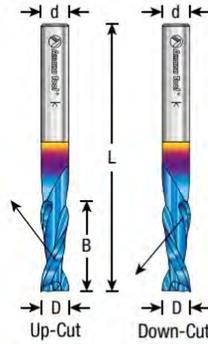
CNC feed and speed available online



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#AMS-121



THE ONLY
SPEKTRA™
 EXTREME TOOL LIFE COATING

SPIRAL FLUTE PLUNGE

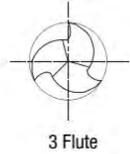
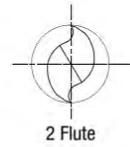
Solid Carbide • 2, 3 & 4 Flute • Up-Cut & Down-Cut



Great for production settings and excellent for creating grooves and dado cuts in wood, laminate, MDF and plywood. For details on Spektra™ visit www.amanatool.com/spektra

Excellent For Cutting:

- Laminate
- MDF/HDF
- Melamine
- Plywood
- Softwood/Hardwood
- Veneered Plywood
- Cork



UP TO
2.5X
 LONGER LIFE
COMPARED TO UNCOATED BITS



#AMS-236-K

Sets Available
 visit amanatool.com



CNC feed and speed available online

ØD	B	Ød	L	Flute	Up-Cut Tool No.	Down-Cut Tool No.
1/32	1/8	1/8	2	2	—	46229-K †*
1/32	1/8	1/4	2	2	—	46242-K *
1.5mm	5mm	3mm	50mm	2	—	48212-K *
1.5mm	6mm	3mm	50mm	2	—	48214-K <i>New</i>
1/16	3/16	1/8	2	2	—	46237-K †*
1/16	3/16	1/4	2	2	—	46233-K *
1/16	1/4	1/8	2	2	—	46213-K †*
1/16	1/4	1/4	2	2	46521-K <i>New</i>	46448-K *
1/16	1/2	1/4	2	2	46009-K * ⑤	46403-K *
3/32	1/4	1/8	2	2	—	46239-K †*
3/32	1/4	1/4	2	2	—	46244-K *
3mm	12mm	6mm	50mm	2	—	48214-K <i>New</i>
3mm	20mm	6mm	63mm	2	48116-K	48216-K
1/8	1/2	1/8	2	2	46127-K	46227-K †
1/8	1/2	1/4	2	2	46100-K	46200-K ② ⑤
1/8	13/16	1/4	2-1/2	2	46125-K ⑤	46225-K ② ⑤
1/8	1	1/4	3	2	48331-K	48341-K <i>New</i>
4mm	3/4	1/4	2-1/2	2	—	48211-K <i>New</i>
3/16	3/4	1/4	2	2	46101-K	46201-K
3/16	1	1/4	3	2	48330-K <i>New</i>	48340-K <i>New</i>
5mm	3/4	1/4	2-1/2	2	—	46211-K ⑤
5mm	1	1/4	2-1/2	2	—	46211-L-K <i>New</i>
6mm	19mm	6mm	63mm	2	48118-K	48218-K
6mm	25mm	6mm	63mm	2	48120-K	48220-K
1/4	3/4	1/4	2-1/2	2	46102-K ⑤	46202-K ② ⑤
1/4	3/4	1/4	2-1/2	2	—	46202-K-LH** <i>New</i>
1/4	1	1/4	2-1/2	2	46315-K ⑤	46415-K ⑤
1/4	1-1/8	1/4	3	2	46316-K	46416-K
1/4	1-1/4	1/4	3	2	46321-K	46421-K
1/4	1-3/8	1/4	3-1/8	2	46399-K	46503-K <i>New</i>
1/4	1-1/2	1/4	3-1/2	2	—	46502-K ⑤ <i>New</i>
1/4	2	1/4	4	2	48332-K <i>New</i>	48342-K <i>New</i>
8mm	1	8mm	2-1/2	2	—	48219-K <i>New</i>
3/8	1	3/8	2-1/2	2	46103-K <i>New</i>	46203-K ⑤
3/8	1-1/4	3/8	3	2	46320-K	46420-K ⑤
3/8	2	3/8	4	2	46529-K <i>New</i>	46449-K
10mm	1	10mm	3	2	—	48224-K <i>New</i>
12mm	32mm	12mm	75mm	2	—	48228-K
1/2	7/8	1/2	3	2	46210-K <i>New</i>	46447-K <i>New</i>
1/2	1-1/4	1/2	3	2	46106-K	46206-K ⑤
0.023"	1/8	1/8	2	3	51629-K †* <i>New</i>	—
1/8	1/2	1/4	2	3	46001-K	46051-K
1/8	13/16	1/4	2-1/2	3	—	46053-K
6mm	19mm	6mm	63mm	3	—	48228-K
1/4	3/4	1/4	2-1/2	3	46002-K	46052-K
1/4	1	1/4	2-1/2	3	—	46054-K
3/8	1	3/8	2-1/2	3	—	46055-K
3/8	1-1/4	3/8	3	3	—	46214-K <i>New</i>
1/2	1-1/2	1/2	3-1/2	3	46116-K	46216-K
3/4	1-5/8	3/4	4	3	—	46500-K
1/4	1-1/4	1/4	3	4	—	59706-K <i>New</i>
3/8	1	3/8	3	4	—	46057-K <i>New</i>

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

* Due to small diameter, bit is not guaranteed against breakage.

** Left hand rotation.

NOTE: #46449-K designed with extra-long cut length specifically for cutting for guitar bodies.

② = 2 packs available ⑤ = 5 packs available. For packs add a -2 or -5, for example 46102-K-5.

SPIRAL FLUTE PLUNGE FOR SOLID WOOD

Solid Carbide • 2 Flute

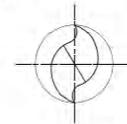
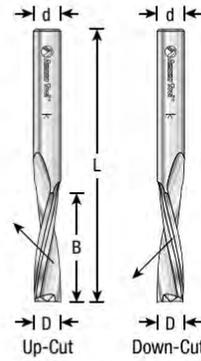
The combination of acute spiral flute shear angles with the face ground helix yield high feed rates, fast plunge action, quick direction changes, deep penetration and mirror finish.



ØD	B	Ød	L	'Up-Cut' Tool No.	'Down-Cut' Tool No.
1/8	1/2	1/8	2	46240 †	46340 †
1/8	1/2	1/4	2	46241	46341
3/16	5/8	1/4	2	46245	46345
7/32	1	1/4	2-1/2	46247	—
1/4	3/4	1/4	2-1/2	46249	46349
1/4	1	1/4	2-1/2	46248	46348
1/4	1-1/8	1/4	3	46250	46365
5/16	1-1/8	1/2	3	46253	46353
3/8	1-1/4	3/8	3	46259	46359
3/8	1-1/4	3/8	3-1/4	46259S	—
3/8	1-1/4	1/2	3	46257	46357
1/2	1-1/4	1/2	3	46261	46361
1/2	1-5/8	1/2	3-1/2	46263	46363

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

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



Top View



SPIRAL FLUTE PLUNGE FOR SOLID WOOD

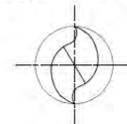
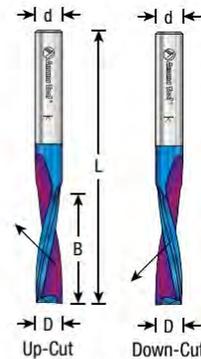
Solid Carbide • 2 Flute

Specially designed for speed and finish when working with solid hardwood. The combination of acute spiral flute shear angles with face ground helix yield high feed rates, fast plunge action, quick direction changes, deep penetration and mirror finish.



ØD	B	Ød	L	'Up-Cut' Tool No.	'Down-Cut' Tool No.
1/8	1/2	1/4	2	46241-K	46341-K
1/4	1	1/4	2-1/2	46248-K	46348-K

For complete details on Spektra™ visit www.amanatool.com/spektra



Top View



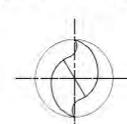
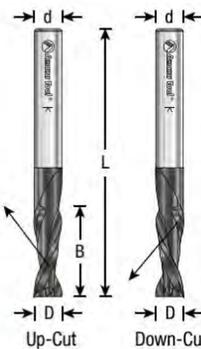
SPIRAL FLUTE PLUNGE FOR SOLID WOOD WITH DLC COATING **New**

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

Solid carbide tools with DLC (Diamond-Like Carbon) coating are designed for ripping, routing, panel sizing and cutting solid wood, plywood and laminated materials.

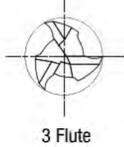
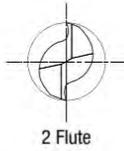
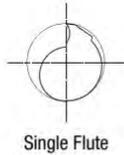
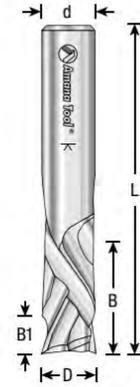


ØD	B	Ød	L	'Up-Cut' Tool No.	'Down-Cut' Tool No.
1/8	1/2	1/4	2	46100-DLC	46200-DLC
1/8	7/8	1/4	3	48122-DLC	48213-DLC
1/4	3/4	1/4	2-1/2	46102-DLC	46202-DLC
3/8	1-1/4	3/8	3	46320-DLC	46420-DLC
1/2	7/8	1/2	3	46210-DLC	46447-DLC



Top View





CNC Compression Sets
visit amanatool.com



CNC COMPRESSION SPIRAL FLUTE

Solid Carbide • Single, 2 & 3 Flute

Special carbide for longer lifetime in abrasive material. Designed for CNC applications requiring high feed rates and a clean finish. Particularly suitable for double-sided melamine or laminated material. 3-flute design provides an extra-smooth finish.

Excellent For Cutting:

- Laminate
- MDF/HDF
- Melamine
- Plywood
- Oriented Strand Board (OSB)
- Particle Board
- Softwood/Hardwood
- Veneered Plywood



ØD	B	B1	Ød	L	Flute	Tool No.
1/8	3/8	5/32	1/8	2-1/2	1	46137 †
1/8	3/8	5/32	1/4	2-1/2	1	46139
1/4	7/8	3/8	1/4	2-1/2	1	46140
1/4	1	.560"	1/4	2-1/2	1	46036 <i>New</i>
3/8	1-1/8	.200"	3/8	3	1	46038 <i>New</i>
1/2	1-1/8	7/16	1/2	3	1	46158 <i>New</i>
1/2	1-1/4	7/16	1/2	3	1	46159
1/8	13/16	7/32	1/8	2-1/2	2	46180 ** ⑤
1/8	13/16	7/32	1/4	2-1/2	2	46176
5/32	7/8	1/8	1/4	2-1/2	2	46183
3/16	1	7/32	3/16	2-1/2	2	46181
1/4	7/8	7mm	1/4	2-1/2	2	46170 ⑤
1/4	7/8	7mm	1/4	2-1/2	2	46170-LH * <i>New</i>
1/4	1	.2756"	1/4	2-1/2	2	46037 <i>New</i>
3/8	7/8	.188"	3/8	3	2	46171 ⑤
3/8	1-1/8	9mm	3/8	3	2	46173
3/8	1-1/4	9mm	3/8	3	2	46172 ⑤
3/8	1	9mm	1/2	3	2	46174
3/8	1-1/8	9mm	1/2	3	2	46178
1/2	1	9mm	1/2	3	2	46182
1/2	1-1/8	10mm	1/2	3	2	46186
1/2	1-1/4	11mm	1/2	3	2	46188 ⑤
1/2	1-1/4	11mm	1/2	3	2	46188-LH * <i>New</i>
1/2	1-1/2	12mm	1/2	3-1/2	2	46189
1/2	1-1/2	7/16	1/2	4-1/16	2	46191
1/2	1-5/8	13mm	1/2	3-1/2	2	46190
1/2	1-5/8	13mm	1/2	3-1/2	2	46190-LH * <i>New</i>
1/2	2-1/8	.511"	1/2	5	2	46035 <i>New</i>
3/8	7/8	.200"	3/8	3	3	46011
3/8	1-1/8	9mm	3/8	3	3	46010 ▲ 28 ⑤
1/2	7/8	.200"	1/2	3	3	46013
1/2	1-1/4	9mm	1/2	3	3	46012 ▲ 28
1/2	1-5/8	9mm	1/2	3-1/2	3	46014 ▲ 28

4-Pc Set includes 46170, 46172, 46180 & 46188

AMS-182

▲ **Warning:** Recommended RPM=20,000-21,000 ▲ 28 Maximum RPM =28,000

† Indicates left hand rotation. **Optional 1/4" dia. sleeve/adaptor #47632, see page 207.

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

⑤ = 5 packs available. For packs add -5, for example 46180-5.



PCD Tipped Compression Bits
See page 51



CNC COMPRESSION SPIRAL FLUTE

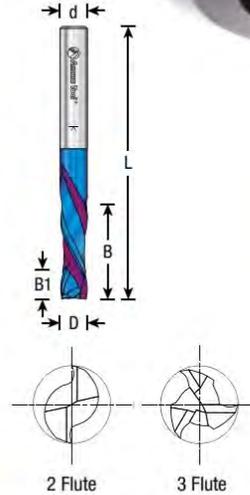
Solid Carbide • 2 & 3 Flute

Designed for CNC applications requiring high feed rates and a clean finish.
Particularly suitable for double-sided melamine or laminated material.
For complete details on SpektraTM visit www.amanatool.com/spektra

ØD	B	B1	Ød	L	Flute	Tool No.
3mm	20mm	6mm	6mm	64mm	2	48302-K
6mm	20mm	7mm	6mm	64mm	2	48304-K
3mm	21mm	6mm	3mm	64mm	2	46180-K-M <i>New</i>
1/8	13/16	7/32	1/8	2-1/2	2	46180-K † ⑤
1/8	13/16	7/32	1/4	2-1/2	2	46176-K ⑤
1/8	1	0.354"	1/8	2-1/2	2	46176-K † <i>New</i>
3/16	1	0.150"	1/4	2-1/2	2	46187-K <i>New</i>
3/16	1	7/32	3/16	2-1/2	2	46181-K
6mm	25mm	7mm	6mm	64mm	2	46175-K
8mm	25mm	11mm	8mm	64mm	2	48306-K
8mm	32mm	11mm	8mm	71mm	2	48308-K
1/4	7/8	7mm	1/4	2-1/2	2	46170-K ② ⑤
1/4	1-1/4	0.550"	1/4	3	2	46177-K ⑤
5/16	7/8	7mm	5/16	2-1/2	2	46039-K
3/8	7/8	0.200"	3/8	3	2	46171-K ⑤
3/8	1	9mm	1/2	3	2	46174-K
3/8	1-1/8	0.406"	3/8	3	2	46173-K <i>New</i>
3/8	1-1/4	9mm	3/8	3	2	46172-K ② ⑤
3/8	1-5/8	0.550"	3/8	3-1/2	2	46179-K
10mm	25mm	15mm	10mm	64mm	2	48310-K
10mm	32mm	12mm	10mm	76mm	2	48312-K
10mm	35mm	15.4mm	10mm	76mm	2	48314-K
12mm	32mm	12mm	12mm	71mm	2	48316-K
12mm	35mm	12mm	12mm	76mm	2	46185-K
12mm	42mm	12mm	12mm	81mm	2	48318-K
1/2	1	9mm	1/2	3	2	46182-K
1/2	1-1/4	11mm	1/2	3	2	46188-K ⑤
1/2	1-3/8	12mm	1/2	3-1/2	2	46193-K
1/2	1-5/8	13mm	1/2	3-1/2	2	46190-K
1/2	1-3/4	0.511"	1/2	3-1/2	2	46195-K
1/2	2	13mm	1/2	4	2	46199-K
1/2	2-1/8	0.511"	1/2	5	2	46035-K <i>New</i>
1/2	3	0.511"	1/2	5	2	48309-K <i>New</i>
1/8	13/16	7/32	1/8	2-1/2	3	46015-K †
6mm	22mm	5mm	6mm	75mm	3	48320-K
6mm	28mm	9mm	6mm	75mm	3	48322-K
1/4	7/8	7mm	1/4	2-1/2	3	46017-K
8mm	25mm	11mm	8mm	64mm	3	48323-K-M <i>New</i>
8mm	32mm	11mm	8mm	71mm	3	48325-K-M <i>New</i>
3/8	7/8	0.200"	3/8	3	3	46011-K ⑤
3/8	1-1/8	9mm	3/8	3	3	46010-K ⑤
3/8	1-1/4	0.354"	3/8	3	3	46031-K <i>New</i>
12mm	32mm	9mm	12mm	75mm	3	48324-K
12mm	41mm	9mm	12mm	88mm	3	48326-K
1/2	1-1/4	9mm	1/2	3	3	46012-K
1/2	1-5/8	9mm	1/2	3-1/2	3	46014-K

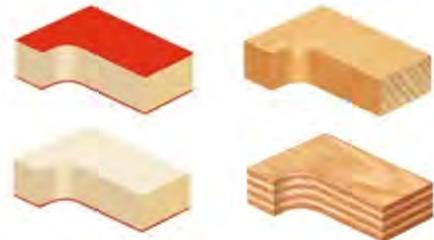
† Router collet reducer RB-102 (1/4 to 1/8) available for 1/8 shank bits.

② = 2 packs available ⑤ = 5 packs available. For packs add a -2 or -5, for example 46172-K-5.



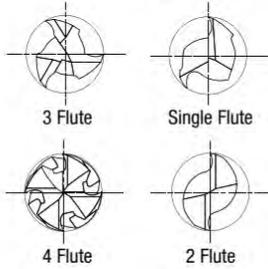
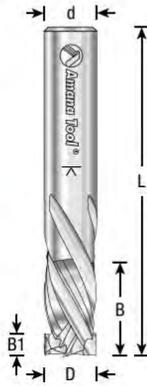
Excellent For Cutting:

- Laminate
- MDF/HDF
- Melamine
- Oriented Strand Board (OSB)
- Particle Board
- Softwood/Hardwood
- Plywood
- For full material cut list visit www.amanatool.com



#AMS-182

CNC Compression Sets
visit amanatool.com



CNC MORTISE COMPRESSION SPIRAL

Solid Carbide • Single, 2, 3 & 4 Flute • For Mortising Work

These tools have a much shorter up-cut section than the standard compression tools. They are ideal for mortise, groove and dadoing applications.

Excellent For Cutting:

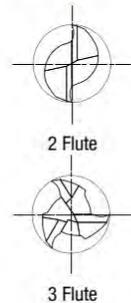
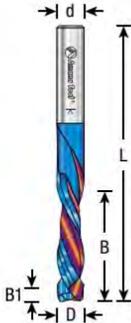
- Plywood
- Particle Board
- Softwood/Hardwood
- MDF/HDF
- Laminate
- Melamine



ØD	B	B1	Ød	L	Flute	Tool No.
1/4	1	1/8	1/4	2-1/2	1	46393
1/4	1	1/8	1/4	2-1/2	2	46350 (5)
3/8	7/8	1/8	3/8	3	2	46367 (5)
3/8	1-1/16	.202mm	3/8	3	2	46395
3/8	1-1/4	3/16	3/8	3	2	46021 <i>New</i>
3/8	1-1/4	3/16	1/2	3	2	46352
1/2	1-1/4	1/4	1/2	3	2	46354
1/2	1-5/8	1/4	1/2	3-1/2	2	46356
1/2	2-1/8	1/4	1/2	4	2	46360
3/8	1	3/16	3/8	3	3	46020 ▲ 28
1/2	1	1/4	1/2	3	3	46022 ▲ 28
1/2	1-3/8	1/4	1/2	3-1/2	3	46024 ▲ 28
1/2	1-3/8	.200	1/2	3-1/2	4	46028 ▲ 28

▲ 28 Maximum RPM = 28,000

(5) = 5 packs available. For packs add -5, for example 46350-5.



THE ONLY
SPEKTRA™
EXTREME TOOL LIFE COATING



CNC MORTISE COMPRESSION SPIRAL

Solid Carbide • 2 & 3 Flute • For Mortising Work

Spektra™ nAco® nanocomposite coated for up to 2.5X longer life.

Excellent For Cutting:

- Plywood
- Laminate
- Double-Sided Melamine
- Softwood/Hardwood

ØD	B	B1	Ød	L	Flute	Tool No.
3/16	1	7/32	1/4	3	2	48353-K <i>New</i>
5mm	25mm	4.763mm	5mm	64mm	2	48351-K <i>New</i>
6mm	22mm	3/16	6mm	64mm	2	46025-K
1/4	5/8	3/16	1/4	2-1/2	2	46029-K
1/4	7/8	3/16	1/4	3	2	46033-K
1/4	1	1/8	1/4	2-1/2	2	46350-K (5)
8mm	25mm	5mm	8mm	64mm	2	48352-K
3/8	7/8	1/8	3/8	3	2	46367-K (5)
3/8	1	1/4	3/8	2-1/2	2	48359-K <i>New</i>
3/8	1-1/16	.202"	3/8	3	2	46395-K
3/8	1-1/4	3/16	3/8	3	2	46021-K (5)
3/8	1-1/4	3/16	1/2	3	2	46352-K
10mm	22mm	5mm	10mm	76mm	2	48354-K
12mm	25mm	1/4	12mm	76mm	2	46027-K
1/2	1	3/16	1/2	3	2	46034-K
1/2	1	1/4	1/2	3	2	46019-K
1/2	1-1/4	1/4	1/2	3	2	46354-K
1/2	1-3/8	.200"	1/2	3-1/2	2	46023-K
1/8	13/16	.188"	1/8	2-1/2	3	46398-K
6mm	25mm	4.7mm	6mm	75mm	3	48358-K
1/4	1	1/8	1/4	2-1/2	3	46018-K
1/4	1	3/16	1/4	3	3	46016-K
3/8	1	3/16	3/8	3	3	46020-K (5) <i>New</i>

(5) = 5 packs available. For packs add -5, for example 46350-K-5.



CNC COMPRESSION SPIRAL FOR NESTING

Solid Carbide • 3 Flute

Nesting refers to the process of laying out cutting patterns to minimize the raw material waste.

Excellent for Cutting:

- MDF
- Particle Board
- Melamine
- Oriented Strand Board (OSB), which is an engineered wood particleboard
- Laminates
- Composites

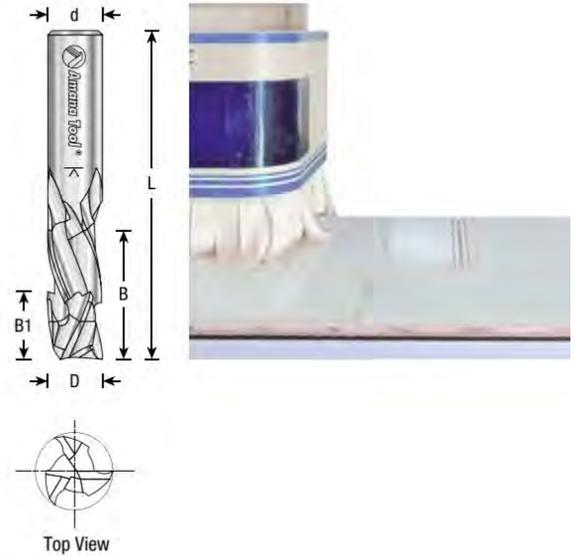
New generation of spiral tools for nesting operation on CNC machines:

- High clearance geometric shape for maximum feed rate
- Superior cut quality
- Free chip flow



ØD	B	B1	Ød	L	Tool No.
1/4	5/8	9/32	1/4	2-1/2	46370
3/8	1	9/32	3/8	3	46371
1/2	1-1/4	23/64	1/2	3	46372

▲ Warning: Maximum RPM=28,000

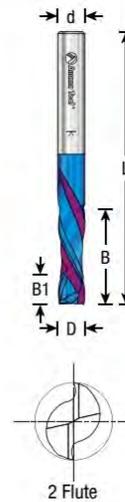


CNC COMPRESSION SPIRAL FLUTE FOR BALTIC BIRCH PLYWOOD **New**

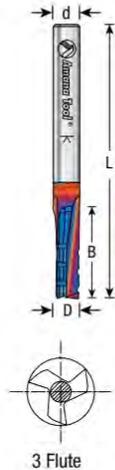
Solid Carbide • 2 & 3 Flute

The Spektra™ nACo® nanocomposite 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.

ØD	B	B1	Ød	L	Flute	Tool No.
1/8	13/16	7/32	1/4	2-1/2	2	46701-K
1/4	7/8	7mm	1/4	2-1/2	2	46700-K
3/8	7/8	0.188	3/8	3	2	46702-K
3/8	1-1/4	9mm	3/8	3	2	46704-K
1/2	1-1/4	11mm	1/2	3	2	46706-K
1/4	7/8	0.2756	1/4	2-1/2	3	46708-K
3/8	1-1/8	0.3543	3/8	3	3	46709-K
1/2	1-1/4	0.3543	1/2	3	3	46710-K



UP TO
2.5X
LONGER LIFE
COMPARED TO UNCOATED BITS



CNC STRAIGHT FLUTE FINISHING WITH CHIP BREAKER **New**

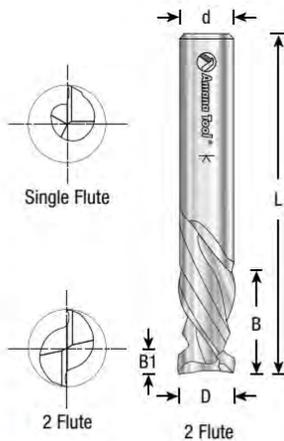
Solid Carbide • 3 Flute

Specially designed with small chip breaker that break up the chips and allow the bit to run cooler and faster. For cutting solid wood, plastic, composite and other materials. For complete details on Spektra™ visit www.amanatool.com/spektra

Excellent For Cutting:

- Carbon Fiber
- Carbon Fiber Reinforced Plastic
- Carbon Graphite
- Plastic, PVC & Acrylic
- Fiberglass
- Hard Wood
- Veneered Plywood
- Laminate

ØD	B	Ød	L	Tool No.
1/4	3/4	1/4	2-1/2	59432-K



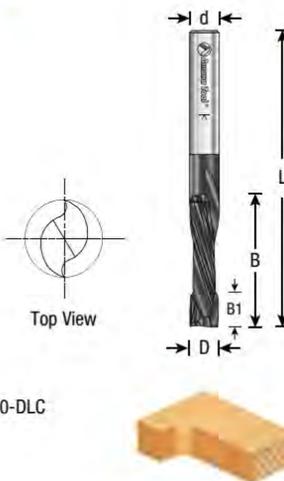
CNC COMPRESSION SPIRAL FLUTE FOR SOLID WOOD

Solid Carbide • Single & 2 Flute

Designed for working in hard solid wood. Slow helix, special grinding angle, improved body shape in order to support the high feed rate, quick direction changes and deep penetration.



ØD	B	B1	Ød	L	Flute	Tool No.
1/4	7/8	9/32	1/4	2-1/2	1	46390
1/4	7/8	13/64	1/4	2-1/2	1	46322
3/8	7/8	13/64	3/8	3	1	46324



CNC COMPRESSION SPIRAL FLUTE FOR SOLID WOOD WITH DLC COATING **New**

Solid Carbide • 2 Flute

Excellent for creating grooves and dado cuts in plywood and composite materials. Diamond-Like Carbon (DLC) is a nanocomposite coating that has unique properties of natural diamond low friction, high hardness and high corrosion resistance.

Excellent For Cutting:

- Solid Wood
- Wood Composite
- Plastic Materials
- Laminates



ØD	B	B1	Ød	L	Flute	Tool No.
1/4	7/8	7mm	1/4	2-1/2	2	46170-DLC
3/8	1-1/4	9mm	3/8	3	2	46172-DLC
1/2	1-1/4	11mm	1/2	3	2	46188-DLC



CNC MORTISE COMPRESSION SPIRAL WITH CHIP BREAKER *New*

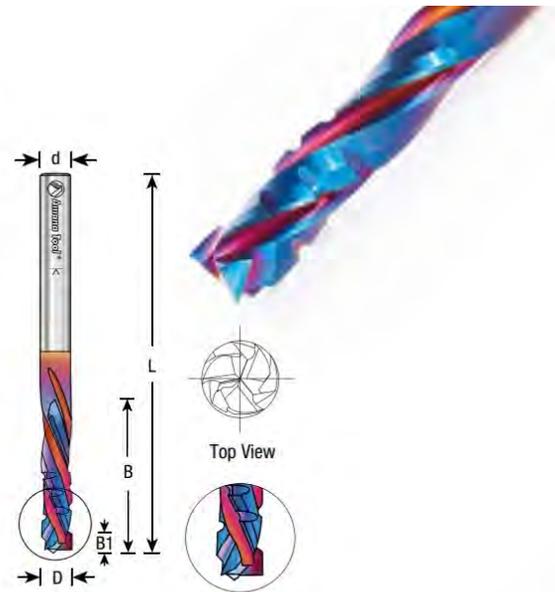
Solid Carbide • 3 Flute

This tool contains small chip breakers that break up the chips and allow the bit to run cooler and faster. These tools have a much shorter up-cut section than the standard compression tools. They are ideal for mortising, grooving and dado. The Spektra™ nACo® nanocomposite 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.

Excellent For Cutting:

- MDF/HDF
- Plywood
- Laminate
- Double-Sided Melamine
- Softwood/Hardwood

ØD	B	B1	Ød	L	Flute	Tool No.
1/4	1	1/8	1/4	3	3	59434-K

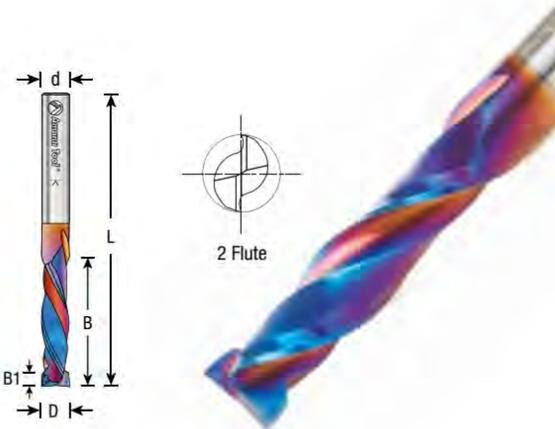


CNC MORTISE COMPRESSION SPIRAL FOR BALTIC BIRCH PLYWOOD *New*

Solid Carbide • 2 Flute • For Mortising Work

These tools have a much shorter up-cut section than the standard compression tools. For complete details on Spektra™ visit www.amanatool.com/spektra

ØD	B	B1	Ød	L	Flute	Tool No.
1/4	1	1/8	1/4	2-1/2	2	46712-K
3/8	1-1/4	3/16	3/8	3	2	46711-K
1/2	1-1/4	1/4	1/2	3	2	46714-K



CNC MORTISE COMPRESSION SPIRAL FOR SOLID WOOD WITH DLC COATING *New*

Solid Carbide • 2 & 3 Flute • For Mortising Work

Diamond-Like Carbon (DLC) is a nanocomposite coating that has unique properties of natural diamond low friction, high hardness and high corrosion resistance. These tools have a much shorter up-cut section than the standard compression tools. They are ideal for mortising, grooving and dado.

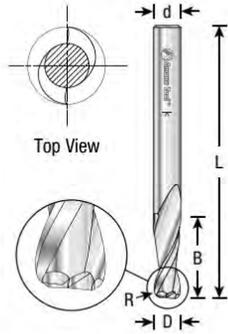
Excellent For Cutting:

- Solid Wood
- Wood Composite
- Plastic Materials
- Laminates



ØD	B	B1	Ød	L	Flute	Tool No.
1/4	1	1/8	1/4	2-1/2	2	46350-DLC
3/8	1	3/16	3/8	3	3	46020-DLC





SPIRAL FLUTE PLUNGE WITH CORNER RADIUS

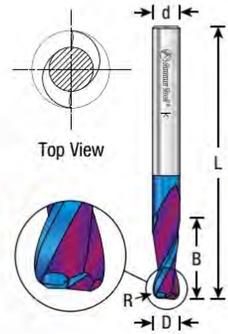
Solid Carbide • 2 Flute • Up-Cut

For carving, lettering, decorative doors and sign manufacturing. Leaves an excellent finish and expels chips quickly.

Excellent For Cutting:

- Aluminum
- Soft/Hard Plastic
- MDF
- Softwood/Hardwood

ØD	R	B	Ød	L	Tool No.
1/4	1/16	3/4	1/4	2-1/2	46460
1/2	1/8	1-1/4	1/2	3	46462



THE ONLY
SPEKTRA™
EXTREME TOOL LIFE COATING

SPIRAL FLUTE PLUNGE WITH CORNER RADIUS **New**

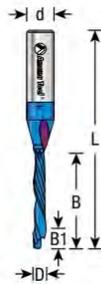
Solid Carbide • 2 Flute • Up-Cut

For carving, lettering, decorative doors and sign manufacturing. Leaves an excellent finish and expels chips quickly.

Excellent For Cutting:

- Aluminum
- Soft/Hard Plastic
- MDF
- Softwood/Hardwood

ØD	B	R	Ød	L	'Up-Cut' Tool No.	'Down-Cut' Tool No.
1/4	3/4	1/16	1/4	2-1/2	46460-K	—
5/16	7/8	0.060"	3/8	2-1/2	—	43752-K



THE ONLY
SPEKTRA™
EXTREME TOOL LIFE COATING

CNC COMPRESSION SPIRAL 'O' FLUTE **New**

Solid Carbide • Single Flute

Special carbide for longer lifetime in abrasive material. Designed for CNC applications requiring high feed rates and a clean finish. Particularly suitable for veneered plywood and MDF material.

Excellent For Cutting:

- MDF/HDF
- Veneered Plywood

ØD	B	B1	Ød	L	Flute	Tool No.
1/8	7/8	3/16	1/8	2	1	46154-K†
1/8	3/8	3/16	1/4	2	1	46155-K

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



CNC SPIRAL FLUTE ROUGHING

Solid Carbide • 3 Flute with Chipbreaker

Specially designed for high RPM/feed rate CNC routers. Unique chipbreaker design is available with 'Up-Cut' or 'Down-Cut'. Will leave a wavy, striated finish.

Excellent For Cutting:

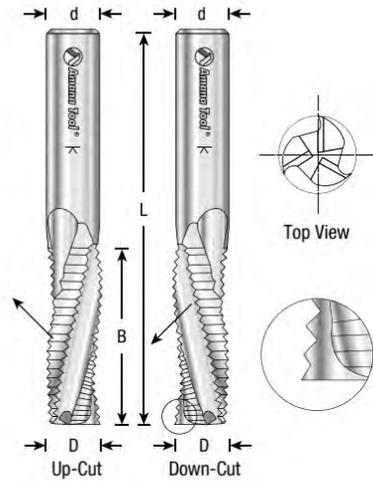
- Laminate
- Veneered Plywood
- Softwood/Hardwood



ØD	B	Ød	L	'Up-Cut' Tool No.	'Down-Cut' Tool No.
1/4	7/8	1/4	2-1/4	46141	—
3/8	1	3/8	2-1/2	59420 * <i>New</i>	—
3/8	1-1/4	3/8	3	46129	46223
1/2	1-5/8	1/2	4	46124	46224
1/2	2	1/2	4-1/2	46126	46226

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

* Can also be used on Castle and Porter Cable Machines.



18-PC. SPIRAL MASTER SET

1/8", 1/4", 3/8" & 1/2" Shank Solid Carbide Compression Spiral, Plastic Cutting Spiral 'O' Flute & Spiral Plunge Router Bit Collection

For complete details on Spektra™ visit www.amanatool.com/spektra



Includes	Set No.
46170-K, 46171-K, 46174-K, 46010-K, 46172-K, 46188-K, 46012-K, 46190-K, 51441-K, 51410-K, RB-102, 51411-K, 51446-K, 51417-K, 51404-K, 51405-K, 46100-K, 46102-K, 46315-K	AMS-190-K

**HARDER
CARBIDE**

UP TO
2.5X
LONGER LIFE
COMPARED TO UNCOATED BITS



8-PC. SPIRAL BALL NOSE SET

1/8", 1/4", 3/8" & 1/2" Shank Solid Carbide Router Bit Collection



Excellent For Cutting:

- Aluminum/Non-Ferrous
- Soft/Hard Plastic
- MDF/HDF
- Softwood/Hardwood
- Sign Foam

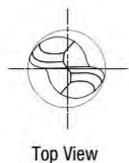
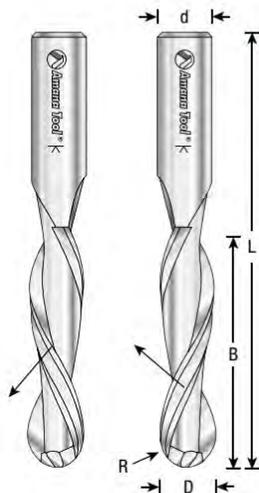


Includes	Set No.
46373, 46369, 46376, 46378, 46380, 46424, 46426 & 46446	AMS-180



CNC feed and speed available online

INDUSTRIAL S.C. SPIRAL ROUTER BITS



SPIRAL BALL NOSE

Solid Carbide • 2 Flute

For carving, decorative doors and sign manufacturing. Leaves an excellent finish and expels chips quickly.

Excellent For Cutting:

- Softwood/Hardwood
- Aluminum/Non-Ferrous
- MDF
- Soft/Hard Plastic
- Sign Foam

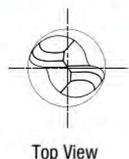
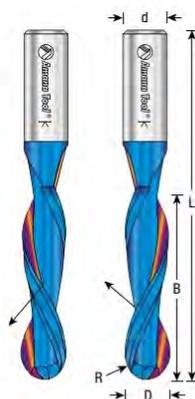


ØD	R	B	Ød	L	'Up-Cut' Tool No.	'Down-Cut' Tool No.
1/16	1/32	1/4	1/8	2	46373	—
1/16	1/32	1/4	1/4	2-1/2	46510	—
1/8	1/16	1/2	1/8	2	46375	—
1/8	1/16	1/2	1/4	2	46369	—
1/8	1/16	1	1/4	2-1/2	46512	—
1/4	1/8	3/8	1/4	2-1/2	46374	46475
1/4	1/8	1	1/4	2-1/2	46376	46476
3/8	3/16	1-1/4	3/8	3	46378	46478
1/2	1/4	1-1/4	1/2	3	46380	46477
1/2	1/4	2-1/8	1/2	4	46384	—
5/8	5/16	2-1/8	5/8	4	46386 ★ ▲ ¹⁸	—
3/4	3/8	2-1/2	3/4	5	46387 ★ ▲ ¹⁸	—

3-Pc Set includes 46376 (1/4 Dia.), 46288 (1/8 Dia.) & 46389 (3/16 Dia.) **AMS-149**

▲ Warning: Maximum RPM ▲¹⁸ = 18,000

★ Warning: These tools have an open flute design (not anti-kickback) and are intended for high feed-rate CNC machine use only. **Do not use in portable routers.**



THE ONLY SPEKTRA™

EXTREME TOOL LIFE COATING

SPIRAL BALL NOSE

Solid Carbide • 2 Flute

The Spektra™ nAco® nanocomposite 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.



For complete details on Spektra™ visit www.amanatool.com/spektra

Excellent For Cutting:

- Softwood/Hardwood
- MDF
- Soft/Hard Plastic
- Sign Foam



ØD	R	B	Ød	L	'Up-Cut' Tool No.	'Down-Cut' Tool No.
1/16	1/32	1/4	1/8	2	46373-K	—
1/16	1/32	1/4	1/4	2-1/2	46510-RS	—
1/8	1/16	1/2	1/8	2	46375-K <i>New</i>	—
1/8	1/16	1/2	1/4	2	46369-K	—
1/8	1/16	1/2	1/4	3	46385-K	—
1/8	1/16	5/8	1/8	2	46377-K <i>New</i>	—
1/8	1/16	1	1/8	3	46509-K <i>New</i>	—
3/16	3/32	1	3/16	4	46508-K <i>New</i>	—
6mm	3mm	25mm	6mm	63mm	48403-K	—
1/4	1/8	1	1/4	2-1/2	46376-K	46476-K
1/4	1/8	1-1/2	1/4	6	46511-K <i>New</i>	—
3/8	3/16	1-1/4	3/8	3	46378-K	46478-K <i>New</i>
1/2	1/4	1-1/4	1/2	3	46380-K	—
1/2	1/4	2-1/8	1/2	4	46384-K	—

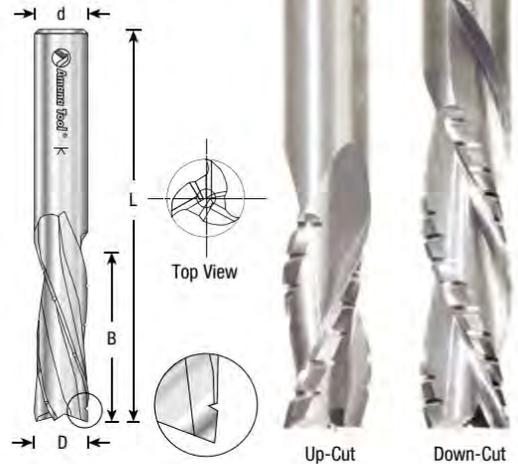
CNC SPIRAL FLUTE FINISHING

Solid Carbide • 3 Flute with Chipbreaker

This series of bits contains small chip breakers that break up the chips and allow the bit to run cooler and faster. For cutting wood and wood composites.



ØD	B	Ød	L	'Up-Cut' Tool No.	'Down-Cut' Tool No.
1/2	1-1/8	1/2	3	—	46232
1/2	1-5/8	1/2	3-1/2	46134	46234
3/4	2-1/4	3/4	4	46138	46238



SPIRAL PATTERN/PLUNGE COMPRESSION

Solid Carbide (Brazed to Steel Shank) • 2 Flute with Upper Ball Bearing

Plunge-cutting straight with a shank-mounted ball-bearing pilot. Useful for template/pattern routing or parts, joints, internal cuts and can be used in handheld and table-mounted routers. The template is attached to the work-piece and the pilot bearing rides along its edge as the cutting edges rout the work-piece, forming an exact duplicate of the template. For cutting wood, plywood and laminates.



ØD	B	Ød	L	Replacement Bearing	Tool No.
1/2	1	1/4	2-5/8	47701	57172 <i>New</i>
7/8	1-9/64	1/2	3-15/16	47793	57176

Replacement parts: Lock Ring #47739, Lock Ring Screw #67091, Lock Ring Key #5002, Washer #67101.

SPIRAL FLUSH TRIM COMPRESSION

Solid Carbide (Brazed to Steel Shank) • 2 Flute with Ball Bearing Guide

Used for trimming laminate work or for template and pattern work. For template application, the bearing follows the template, while the cutting edge trims the work-piece. With the router handheld, the template is on the bottom of the work. With table-mounted router, the template is on top. For cutting wood, plywood and laminates.



ØD	B	Ød	L	Replacement Bearing	Tool No.
1/2	1	1/4	2-5/8	47706	57173 <i>New</i>
22mm	1-9/64	1/2	3-15/16	47798	57174

Replacement parts: Screw #67109; Washer #67101.

SPIRAL FLUSH TRIM COMBINATION *New*

*Solid Carbide (Brazed to Steel Shank)
2 Flute with Upper and Lower Ball Bearing Guide*

Plunge-cutting straight with a shank-mounted ball-bearing pilot. Useful for template/pattern routing or parts, joints, internal cuts and can be used in handheld and table-mounted routers. The template is attached to the workpiece and the pilot bearing rides along its edge as the cutting edges rout the work-piece, forming an exact duplicate of the template. For cutting wood, plywood and laminates.



ØD	B	Ød	L	Replacement Top Bearing	Replacement Bottom Bearing	Tool No.
1/2	18	1/4	2-5/8	47706	47701	57175
7/8	1-1/8	1/2	3-3/4	47830	47798	57178

Replacement parts: Screw #67109, Screw Key #5003, Washer #67101, Lock Ring #47739, Lock Ring Screw #67091, Lock Ring Key #5002.



CNC feed and speed available online

INDUSTRIAL S.C. SPIRAL ROUTER BITS



INDUSTRIAL INSERT
SPOILBOARD
SURFACING ROUTER BITS



SPOILBOARD SURFACING, RABBETING, FLYCUTTER, SLAB LEVELER & PLANER

Solid Carbide with Scorer and 2+2 Insert Knife Design

Insert router bit complete with two cutting flutes and two up-shear scorers for fast removal of materials over large surface area. The scorer leaves an improved finish at the bottom of the cut. Utilizes 4-sided carbide inserts. Max cutting depth is 1/4".

Perfect for:

- Resurfacing spoilboards using CNC
- 2+2 spoilboards contain two bottom scorers for better performance, finer surface finish and better clearance for 90° corners.
- Planing large glued-up panels using CNC
- Surfacing and finishing wood using timber slab machines
- Rabbeting and slotting

Designed for planing & rabbeting the following materials:

- MDF
- Plywood/Chipboard*
- Plastic/Acrylic*
- Fiberboard
- Balsa Core*
- High Density Urethane (HDU Board)*
- HDF/LDF
- Epoxy (Epoxy Resins)*
- Ultra-High-Molecular-Weight Polyethylene (UHMWPE)*
- Hardwood/Softwood*

* For optimal results and maximum insert life, replace inserts with optional general purpose knives (sold separately).

Recommendations: For surfacing solid woods it is recommended to remove both bottom scorers.



2+2 Insert Knife Technology Provides Highest Quality of Cut

This insert spoilboard router bit with scorers features a unique 2+2 knife design that contains two cutting flutes and two up-shear scorers, which provide a smoother finish at the bottom of the cut than traditional two-knife style router bits.

Engineered with an Amana-exclusive carbide grade for the highest quality of cut, maximum cutting efficiency and faster material removal process. These industrial router bits feature insert knives with four cutting edges that allow users to rotate the knife when one side becomes dull. Great for surface planing.



ØD	B	Ød	L	Repl. MDF Knives	Max RPM	Tool No.
2-1/2	15/32	1/2	2-1/2	HMA-12, HCK-70	19,000	RC-2251
2-1/2	15/32	1/2	2-1/2	HMA-12, HCK-70	19,000	RC-2351 *
80mm(3-5/32)	15/32	3/4	90mm(3-1/2)	HMA-12, HCK-70	18,000	RC-2252 ♦

♦ CNC use only and not for use in router sled.

* For Thermogrip® CNC Heat Shrink Tool Holders.

Optional General Purpose knives: #AMA-12 & #RCK-70.

Optional Solid Wood DLC† coated knives: #AMA-12-DLC & #RCK-70-DLC.

Replacement screws: bottom: (2) #67155; sides: (2) #67110.

Torx® key: bottom: #5015; sides: (2) #5005.

† Diamond-Like Carbon (DLC) is a nanocomposite coating that has unique properties of natural diamond low friction, high hardness and high corrosion resistance.

▲ **Warning:** Proper torques rating to tighten down screws is 2-3Nm Torques.

▲ **Warning:** Make sure that your router sled rails are fully stable and squared.

 CNC feed and speed available online





Tool holder sold separately.



MINI SPOILBOARD SURFACING, RABBETING, FLYCUTTER, SLAB LEVELER & PLANER



Insert Carbide with Scorer and 2+2 Knife Design

Mini design for tight corners. Features unique 2+2 insert knife design that contains two cutting flutes and two up-shear scorers, providing a smoother finish at the bottom of the cut than traditional two-knife style router bits. Utilizes 4-sided carbide inserts.

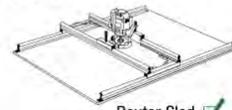
Perfect for:

- Resurfacing spoilboards using CNC. Max cutting depth is 1/4".
- 2+2 spoilboards contain two bottom scorers for better performance, finer surface finish and better clearance for 90° corners
- Planing large glued-up panels using CNC
- Surfacing and finishing wood using timber slab machines
- Rabbeting and slotting

Designed for planing & rabbeting the following materials:

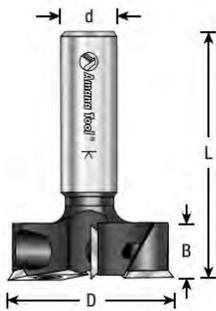
- MDF
- Plywood/Chipboard*
- Plastic/Acrylic*
- Fiberboard
- Balsa Core*
- HDU Board*
- HDF/LDF
- Epoxy (Epoxy Resins)*
- UHMWPE*
- Hardwood/Softwood†

* For optimal results and maximum insert life, replace inserts with optional general purpose knives (sold separately).



Router Sled ✓

† **Recommendation:** For surfacing solid woods it is recommended to remove both bottom scorers.



Torx® key included.



ØD	B	Ød	L	Repl. MDF Knives	Max RPM	Tool No.
1-1/4	27/64	1/2	2-17/64	RCK-450, RCK-452	24,000	RC-2247
1-1/2	1/2	6mm	1-13/16	HMA-12, HCK-70*	24,000	RC-2239
1-1/2	1/2	1/4	1-13/16	HMA-12, HCK-70*	24,000	RC-2249 †
1-1/2	1/2	12mm	2-5/16	HMA-12, HCK-70*	24,000	RC-2253 †
1-1/2	1/2	1/2	2-5/16	HMA-12, HCK-70*	24,000	RC-2250

* Optional knives for General Purpose #AMA-12 & #RCK-70.

* Optional Diamond-Like Carbon (DLC) knives for Solid Wood #AMA-12-DLC & #RCK-70-DLC.

DLC is a nanocomposite coating that has unique properties of natural diamond low friction, high hardness and high corrosion resistance.

#RC-2247 replacement screws: bottom: (2) #67123, key #5090; sides: (2) #67115, key #5005.

#RC-2249, #RC-2250 & #RC-2253 replacment. screws: bottom: (2) #67155, key #5015; sides: (2) #67115, key #5005.

Note: This tool is not designed to plunge! You must ramp down to a depth of 1/4" deep over a 20" run. Use the max RPM allowed (24,000) and start the feed rate at about 320 inches per minute, and go up until you get waves, then back down to a smooth cut/finish.

♦ **Warning:** For CNC use only.

▲ **Warning:** Proper torques rating to tighten down screws is 2-3Nm Torques.

▲ **Warning:** Make sure that your router sled rails are fully stable and squared.

New THERMOGRIP® CNC HEAT SHRINK TOOL HOLDERS

Heavy Duty Spoilboard Plunging, Surfacing, Planing, Flycutter & Slab Leveler • Insert Carbide

ØD	B	Ød	L	Repl. MDF Knives	Flute	Max RPM	Tool No.
2-1/2	15/32	1/2	2-1/2	HMA-12, HCK 70	2+2	19,000	RC-2351
2-1/2	53/64	1/2	2-19/32	RCK-459	3	18,000	RC-2255-TG
3-27/32	1-7/32	3/4	3-25/64	RCK-459	5	12,000	RC-2259-TG**

** RC-2259-TG -Not for use in router sled.

V-Groove, Miter Fold, Signmaking & Lettering • Insert Carbide

a°	a°1	ØD	B	B1	Repl. MDF Knives	Ød	Flute	L1	L	Max RPM	Tool No.
91°	45.5°	2-5/8	1-5/16	1-13/16	RCK-356	3/4	1	2-3/8	3-7/8	18,000	RC-1028-TG*

Optional General Purpose Knives	Optional Solid Wood (DLC Coating) Knives	Scrow	Item #
AMA12,	AMA-12-DLC,	bottom: (2) #67155	RC-2351
RCK-70	RCK-70-DLC	sides: (2) #67110	
RCK-457	RCK-457-DLC	67110 (3)	RC-2255-TG
RCK-457	RCK-457-DLC	67110 (5)	RC-2259-TG

Key use #5005 for sides and #51015 for bottom.



RC-2259-TG

SPOILBOARD SURFACING, RABBETING, FLYCUTTER, SLAB LEVELER & SURFACE PLANER

Insert Carbide • 2-Wing

These industrial router bits feature solid carbide insert knives with four cutting edges that allow users to rotate the knife when one side becomes dull, providing the highest-quality finish available on woodworking tools. Used in resurfacing of particleboard, MDF and balsa core material. Optional general purpose knives for chipboard, balsa core, hardwood/softwood and plastic.

Perfect for:

- Resurfacing spoilboards using CNC
- Planing large glued-up panels using CNC
- Surfacing and finishing wood using timber slab machines
- Rabbeting and slotting



- Utilizes 4-sided carbide inserts
- Exclusive carbide grade for highest quality of cut
- Maximum cutting efficiency
- Faster material removal process

Designed for planing & rabbeting the following materials:

- MDF
- Plywood/Chipboard*
- Plastic/Acrylic*
- Fiberboard
- Balsa Core*
- HDU Board*
- HDF/LDF
- Epoxy (Epoxy Resins)*
- UHMWPE*
- Hardwood/Softwood*

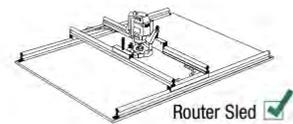
* For optimal results and maximum insert life, replace inserts with optional general purpose knives (sold separately).



RC-2258



RC-2242: Rotate inserts for straight edge cut.



Router Sled



ØD	B	Ød	L	Max Cut Depth (A)	Repl. MDF Knives	Repl. Screws	Max RPM	Tool No.
1	12mm	1/4	2-1/64	1/4	HMA-12 †	67115	24,000	RC-2243 ‡
1-1/4	12mm	1/4	1-11/16	1/4	HMA-12 †	67117	18,000	RC-2245 ‡
1-1/4	12mm	1/2	2-1/8	1/4	HMA-12 †	67117	24,000	RC-2254 ‡
1-1/2	12mm	6mm	1-11/16	1/4	HMA-12 †	67117	24,000	RC-2256 ‡
1-1/2	12mm	1/4	1-11/16	1/4	HMA-12 †	67117	24,000	RC-2248 ‡
1-1/2	12mm	1/2	2-3/16	1/4	HMA-12 †	67117	24,000	RC-2241
1-1/2	1/2	1/2	2-1/2	3/8	—	—	14,500	DRB-440 ♦
1-3/4	12mm	1/2	2-1/4	—	RCK-344	67115	28,000	RC-2242 **
2-1/2	1/2	1/2	2-1/2	1/4	HMA-12 †	67110	19,000	RC-2257 ♦
75mm (3)	10mm (13/32)	1/2	2-3/4	—	—	—	18,000	DRB-442 ♦
4	1/2	3/4	3-11/64	1/4	HMA-12 †	67110	13,000	RC-2258 ♦*

‡ Mini design.

† Optional general purpose knives #AMA-12, Optional Solid Wood DLC¹ coated knives: #AMA-12-DLC

¹ Diamond-Like Carbon (DLC) is a nanocomposite coating that has unique properties of natural diamond low friction, high hardness and high corrosion resistance.

** Best recommended for planing/flattening in surfaces of large solid wood slabs with a handheld router in router sleds. Features a 1/8 radius 5° bevel, making this tool unique compared to other spoilboard bits. Not to be used for slot cutting.

♦ Polycrystalline Diamond (PCD) for extremely long life.

▲ **Warning:** Proper torques rating to tighten down screws is 2-3Nm Torques.

▲ **Warning:** Make sure that your router sled rails are fully stable and squared.

♦ CNC use only. * Not for use in router sled.



CNC feed and speed available online





3-Wing



5-Wing



CNC HEAVY DUTY SPOILBOARD PLUNGING, SURFACING, PLANING, FLYCUTTER & SLAB LEVELER

Insert Carbide • 3 Wing and 5 Wing

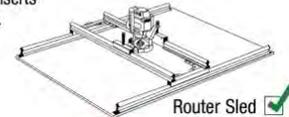
Insert carbide spoilboard surfacing & chamfering router bit utilizes 4-sided carbide inserts, great for planing large surface areas. Higher number of teeth allows for a higher feed rate.

- Capable of removing thin layers of material, less than 0.001" per pass
- Tool can plunge up to a maximum depth of 6mm (1/4"), then start resurfacing
- The unique chamfer corner insert design creates a flawless surface

Designed for planing & chamfering the following materials:

- MDF
- Plywood/Chipboard*
- Plastic/Acrylic*
- Fiberboard
- Balsa Core*
- HDU Board*
- HDF/LDF
- Epoxy (Epoxy Resins)*
- UHMWPE*
- Hardwood/Softwood*

* For optimal results and maximum insert life, replace inserts with optional general purpose knives (sold separately).



Router Sled ✓



Repl.

ØD	D1	D2	B	B1	Ød	L	MDF Knives	Flute	Tool No.
1-1/2	1-5/64	5/64	3/4	3/16	1/4	2	RCK-453 †	3	RC-2265
1-1/2	1-5/64	5/64	3/4	3/16	6mm	2	RCK-453 †	3	RC-2265-M New
1-3/4	1-21/64	5/64	3/4	3/16	1/2	2-15/64	RCK-453 †	3	RC-2267
2-1/2	2	5/64	53/64	1/4	1/2	2-19/32	RCK-459 **	3	RC-2261 ‡
2-1/2	2	5/64	53/64	1/4	1/2	2-19/32	RCK-459 **	3	RC-2255
2-1/2	2	5/64	53/64	1/4	12mm	2-19/32	RCK-459 **	3	RC-2255-M New
2-1/2	2	5/64	53/64	1/4	1/2	2-19/32	RCK-459 **	3	RC-2255-TG *
2-3/4	2-1/4	5/64	53/64	1/4	1/2	2-19/32	RCK-459 **	3	RC-2263
3-27/32	3-11/32	5/64	1-7/32	1/4	3/4	3-25/64	RCK-459 **	5	RC-2259 ♦
3-27/32	3-11/32	5/64	1-7/32	1/4	3/4	3-25/64	RCK-459 **	5	RC-2259-TG ♦

* For Thermogrip® CNC Heat Shrink Tool Holders.

† Optional Solid Wood DLC coated knives: #RCK-453-DLC.

** Optional General Purpose knives #RCK-457

** Optional Solid Wood DLC coated knives: #RCK-457-DLC.

Repl. screws: (5) #67110, key #5005

♦ Not for use in router sled.

‡ Anti-kick back design (BG Compliance). For use on hand-held router, router table and CNC.

▲ **Warning:** Proper torques rating to tighten down screws is 2-3Nm Torques.

▲ **Warning:** Make sure that your router sled rails are fully stable and squared.

Perfect for:

- Resurfacing spoilboards using CNC
- Surfacing & finishing wood using timber slab machines
- Planing large glued-up panels using CNC
- Rabbeting and slotting

Featuring:

- Exclusive carbide grade for highest quality of cut
- Utilizes 4-sided carbide inserts
- Maximum cutting efficiency
- Faster material removal process

IN-SAND™ CNC ORBITAL SANDER *New*

1/2" Shank

Utilize your CNC machine to sand for you! Designed to use with any 4" sanding disc (not included) according with the finish needed.

Set up on your CNC machine:

Check the tool flexibility movement, it should be about 3mm.

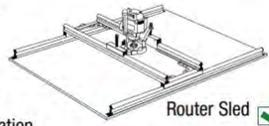
Install the IN-SAND™ at the tool holder or directly at the spindle.

You can measure the IN-SAND™ on the machine measuring device or simply update manually the tool length from pad surface. The diameter should be 4-11/32" (110mm) and not 3-15/16" (100mm) of the orbital movement of the pad.

The sanding power is defined by the "Milling Depth."

The max depth is 1/8" (3.17mm) but our recommendation is 8,000 RPM and milling depth of 0.3 – 0.5mm.

Use the option of "Milling Pockets" to control tool path.



Router Sled ✓



Sandpaper						
ØD	Dia.	d	L	L1	L2	Tool No.
3-55/64	4	1/2	3-15/32	1-1/2	1-5/16	61299

▲ **Warning:** Maximum RPM=12,000. Working with higher rotation speed can cause damage to the machine spindle.



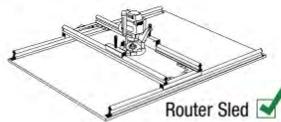
SPOILBOARD SURFACING, RABBETING, FLYCUTTER, SLAB LEVELER, SURFACE PLANER & FLATTENING

Carbide Tipped • 2, 3 & 4 Flute

Carbide tipped spoilboard surfacing & rabbeting router bit great for cutting tight corners and surface planing. Also suitable for router sled machines, Make sure that your router sled is fully stable and squared.

Designed for planing & rabbeting the following materials:

- MDF
- Fiberboard
- HDF/LDF
- Chipboard
- Balsa Core
- Hardwood/Softwood
- Plastic



Router Sled ✓

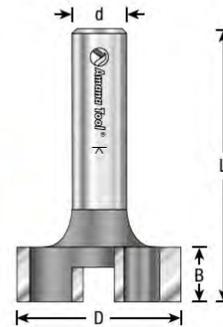


ØD	B	Ød	L	Flute	Max RPM	Tool No.
1-1/4	9/16	1/4	2	2	28,000	45528 <i>New</i>
1-1/4	9/16	1/2	2-1/4	2	28,000	45529 <i>New</i>
1	1/4	1/4	1-3/4	3	28,000	45522 <i>New</i>
28.5mm	12.5mm	6mm	46mm	3	28,000	45523
1-1/8	1/2	1/4	1-13/16	3	28,000	45525 ⑤
1-1/2	1/2	1/2	2-1/4	4	28,000	45526
2	1/2	1/2	2-1/2	4	28,000	45527

⑤ = 5 packs available. For packs add -5, for example 45525-5.



Tool holder sold separately.



Create Your Own MDF SIMULATED SHAKER DOORS

To produce MDF Shaker cabinet doors use #RC-2250 or #RC-2252 and square corners with #45200 straight plunge router bit.

INDUSTRIAL

Mortising Router Bits



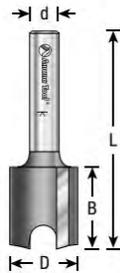
Mortising is one of the most common woodworking operations. Mortise-and-tenon joints, hinges and locks, grooves and dadoes, all require the precise removal of material.

Whether you need a deep mortise for a strong, interlocking joint on a chair or a shallow mortise for hardware installation, Amana Tool® has a bit for the task. Some bits even have an upper guide bearing for use with a template. All of our mortising bits have Amana's renowned quality; your assurance of efficient, precise cuts and long tool life.

MORTISING

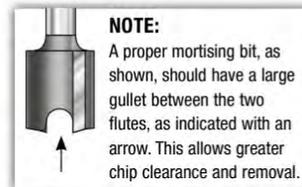
Carbide Tipped • 2 Flute

Cutting mortises for hinges and locks can be challenging; the mortise depth must be accurate for smooth operation and the edges must be sharp for a clean, professional installation. These mortise bits make hardware installation a snap. The large gullet between the two flutes clears chips away quickly and the cutter geometry creates a crisp outline for a perfect fit.



ØD	B	Ød	L	Tool No.
1/2	1/2	1/2	2-3/8	45184
1/2	3/4	1/4	2	45500
5/8	3/4	1/4	2	45502
3/4	3/4	1/4	2	45504
3/4	5/8	1/2	2-1/4	45181*
1-1/4	1/2	1/4	2-1/4	45183
1-1/4	3/4	1/2	2-1/4	45505

* Without large gullet.



MORTISING WITH UPPER BALL BEARING

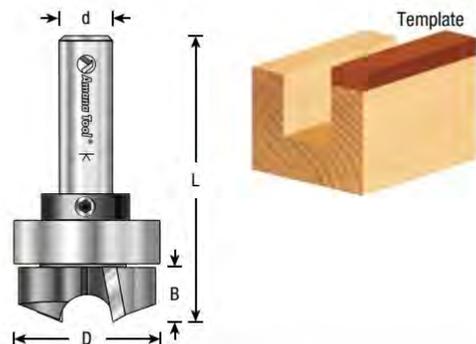
Carbide Tipped • 2 Flute • Down-Shear Design

There is no faster method for producing multiple mortises than with a template. The accuracy achieved with a template is unparalleled. These mortise bits are specially designed for use with templates, both linear and curved.

If you've ever used a bushing with template work then you will appreciate these bearing-guided bits; there's no need to calculate offset – ever. Instead, the mortise is sized exactly to the template. Unlike a bushing on the router sub-base, the guide bearing is always concentric to the cutting circle of the bit. This ensures precise cuts each and every time.



ØD	B	Ød	L	Replacement		Tool No.
				Bearing	Collar	
1/2	3/4	1/4	2-3/8	47701	47724	45582
5/8	3/4	1/4	2-3/8	47712	47724	45584
3/4	3/4	1/4	2-7/16	47714	47724	45586
1-1/4	1/2	1/2	2-5/8	—	47740	45590



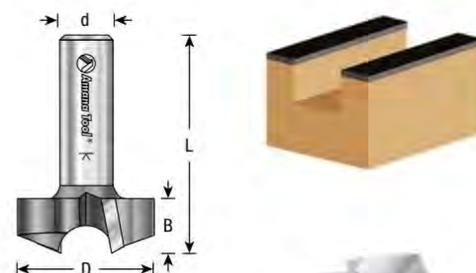
MORTISING

Carbide Tipped • 2 Flute • Down-Shear Design

Intended for hinge mortising, this bit is an excellent choice for cutting laps and tenons as well. The sides and bottom of the cut are exceptionally smooth. The down-shear design reduces chipping along the top edge of the cut, especially in laminates, veneered plywood and MDF. The large gullet between the cutting edges provides excellent chip clearance.



ØD	B	Ød	L	Tool No.
1/2	5/16	1/4	1-7/16	45570
3/4	3/4	1/2	2-1/4	45576
1-1/4	1/2	1/2	2	45580



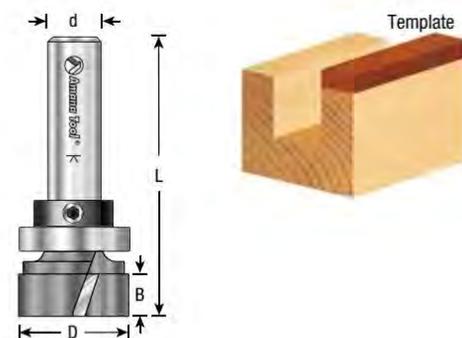
MORTISING FOR BOTTOM CLEANING WITH UPPER BALL BEARING

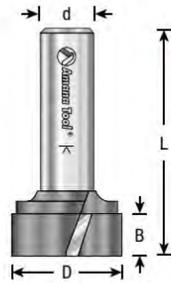
Carbide Tipped • 2 Flute • Up-Shear Design

Shank-mounted ball-bearing for pattern and template routing.



ØD	B	Ød	L	Replacement		Tool No.
				Bearing	Collar	
3/4	7/16	1/4	2-1/4	47714	47724	45561
3/4	7/16	1/2	2-1/2	47721	47739	45563
1	7/16	1/2	2-1/2	47754	47740	45565
1-1/2	5/8	1/2	2-3/4	47758	47740	45567





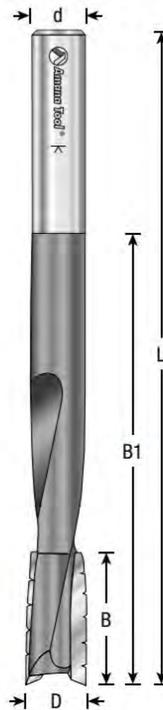
MORTISING FOR BOTTOM CLEANING

Carbide Tipped • 2 Flute • Up-Shear Design

This bit is intended for broad, very shallow cuts, where an exceptional finish is desired. Use it to clean up previously cut dados and grooves, or for surfacing cuts. The up-shear configuration improves chip removal, while the cutting-edge orientation produces a smooth surface.



ØD	B	Ød	L	Tool No.
3/4	7/16	1/4	2-1/4	45560
3/4	7/16	1/2	2-1/2	45562
1	7/16	1/4	2-1/2	45568
1	7/16	1/2	2-1/2	45564
1-1/4	1/2	1/4	2-1/8	45571
1-1/2	5/8	1/4	2-3/4	45569
1-1/2	5/8	1/2	2-3/4	45566



UP-SHEAR BIT SLOT MORTISER

Carbide Tipped • 2 Flute

These bits are designed to do deep slot and holes for tenon, especially in doors, chairs, tables, etc. Special carbide with a 1" long up-shear and chipbreaker for fast cuts and chip clearance. For use in lock mortising and door machines.

For Slot Mortiser Only



ØD	B	B1	Ød	L	Tool No.
1/2	1	2-3/4	1/2	6	45540 ▲
5/8	1	4-3/4	1/2	6-5/8	45542 ▲
3/4	1	4-3/4	1/2	6-5/8	45544 ▲

▲ Warning: DO NOT USE THESE BITS ON A DRILL PRESS MACHINE UNDER ANY CIRCUMSTANCES!



HINGE AND LOCK FACE MORTISING/DADO SCREW TYPE CUTTER

Replaces Her-Saf® Style • Carbide Tipped • Single & 2 Flute

Mortise doors to fit hinges, locks, lock face plates and for general stock removal. All cutters fit threaded arbors (see threaded arbor table below).

Down Shear



ØD	B	Thread	L	Flute	Tool No.
3/4 - 0.015	12mm	1/4" - 28	37mm	1	RC-55248 <i>New</i>
1/2	0.605"	1/4" - 28	—	2	55251
1/2 + 0.015	9/16	1/4" - 28	—	2	55277
9/16	9/16	1/4" - 28	—	2	55279
19/32	9/16	1/4" - 28	—	2	55281
5/8	9/16	1/4" - 28	—	2	55259
5/8 + 0.015	9/16	1/4" - 28	—	2	56250
11/16	9/16	1/4" - 28	—	2	56251
23/32	9/16	1/4" - 28	—	2	56252
3/4 - 0.015	9/16	1/4" - 28	—	2	55285
3/4	9/16	1/4" - 28	—	2	55250
3/4 + 0.015	9/16	1/4" - 28	—	2	55248
25/32	9/16	1/4" - 28	—	2	56253
13/16	9/16	1/4" - 28	—	2	55249
7/8	9/16	1/4" - 28	—	2	55252
15/16	9/16	1/4" - 28	—	2	55149
1	9/16	1/4" - 28	—	2	55254
1-1/8	9/16	1/4" - 28	—	2	55256
1-1/4	9/16	1/4" - 28	—	2	55257
1-1/4	11/16	1/4" - 28	—	2	56254
1-1/4	5/8	1/4" - 28	—	2	55258
1-1/4	5/8	5/16" - 24	—	2	55255 *

Arbors: 1/4" Shank use #47611. 1/2" Shank use #47614. * Use arbor #47616.

Straight Style - No Shear

ØD	B	Thread	L	Tool No.
1/8 + 0.015	3/8	1/4" - 28	1-7/16	56268
1/4	1/2	1/4" - 28	1.360	56270
1/4 + .015	1/2	1/4" - 28	1.360	56272
9/32	1/2	1/4" - 28	1.360	56273
3/8	9/16	1/4" - 28	1.360	56274
3/8 + .015	9/16	1/4" - 28	1.360	56276

DOVETAIL SCREW TYPE CUTTERS

Used with half-blind dovetail jigs, as well as with Omnijig®, Incra® and Leigh® jigs. All cutters fit threaded arbors.



ØD	a°	B	Thread	L	Tool No.
3/8	9°	3/8	1/4" - 28	1-1/8	56281
7/16	10°	3/8	1/4" - 28	1-1/8	56282

THREADED ARBOR

For Screw Type Mortising Cutters (above tables)



For Use With Cutter(s):	ØD	Ød	L1	B	L	Tool No.
#55250 through #55258	1/4-28NF	1/4	1-7/16	1/4	1-13/16	47611
#55251	1/4-28NF	1/4	1-1/4	15/32	1-13/16	47615
#55255	5/16-24NF	1/4	1-7/16	1/4	1-13/16	47616
#55250 through #55258	1/4-28NF	1/2	1-1/2	1/4	1-1/2	47614

Due to application, these arbors are not furnished with hex nut or washers.



Arbor sold separately.



Down Shear Style



Insert Carbide Style



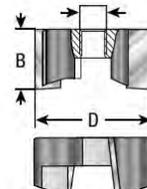
Straight Style



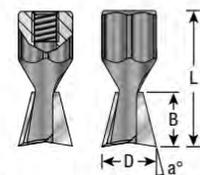
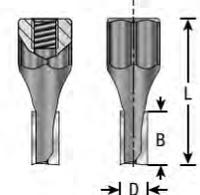
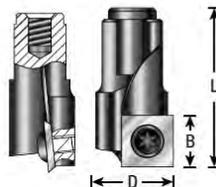
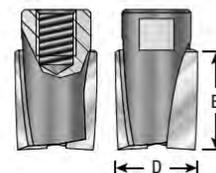
Dovetail Style



Arbor

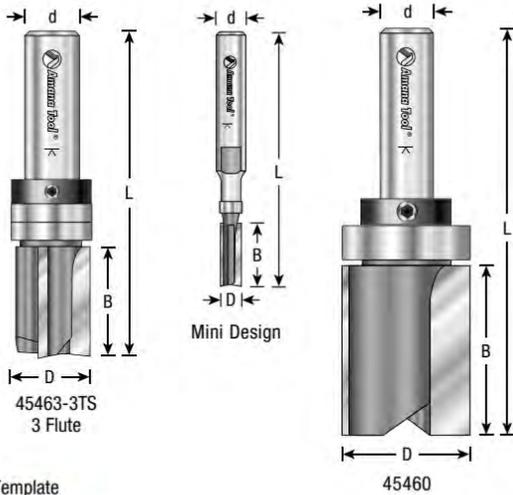


Fits Porter-Cable® & other standard model mortising jigs. Also used in door machines.





A
MAX
HARDER CARBIDE
FOR EXTENDED LIFE



Template



INDUSTRIAL

Flush Trim Router Bits

FLUSH TRIM PLUNGE TEMPLATE

Carbide Tipped • 2 & 3 Flute with Upper Ball Bearing

This bit is essentially a plunge-cutting straight with a shank-mounted ball-bearing pilot. Versatile, useful for template/pattern routing of parts, joints, internal cuts and can be used in handheld and table-mounted routers.



ØD	B	Ød	L	Flute	Repl. Bearing	Repl. Collar	Tool No.
3/16	1/4	1/4	1-3/4	2	47775	—	47222-S+
3/16	1/2	1/8	2	2	47775	—	47220 +
3/16	1/2	1/4	2	2	47775	—	47222 +
1/4	1/8	1/4	2	2	47723(2)	—	47221-S**+
1/4	1/4	1/8	1-15/16	2	47723	—	47223-S+
1/4	1/4	1/4	2-1/2	2	47723	—	47224-S+
1/4	3/4	1/4	2-7/16	2	47723	—	47224 +
3/8	1/2	1/4	2	2	47751(2)	47764	45475** ⑤
3/8	1	1/2	3-1/4	2	47751	—	47226
1/2	3/8	1/4	2-1/4	2	47701	47724	45481 ⑤
1/2	1/2	1/4	2	2	47701	47724	45487 ⑤
1/2	1/2	1/2	2-3/4	2	47701	—	47228-S <i>New</i>
1/2	3/4	1/4	2-1/4	2	47701	47724	45491 ⑤
1/2	3/4	8mm	2-3/4	2	47701	—	45493-M <i>New</i>
1/2	1	1/4	2-1/2	2	47701	47724	45460 ⑤
1/2	1	1/4	2-5/8	2	47701	—	57172* <i>New</i>
1/2	1-1/4	1/4	2-3/4	2	47701	47724	45461 ⑤
1/2	1-1/4	1/2	3-1/2	2	47701	—	47228
9/16	3/4	1/4	2-5/16	2	47753	47724	45361
.615	1/2	1/4	2-1/4	2	47712	—	45469 † 18
5/8	1/2	1/4	2-1/4	2	47712	47724	45482
5/8	3/4	1/4	2-1/2	2	47712	47724	45483
5/8	3/4	1/4	2-5/8	2	47712	47724	45470
5/8	1	1/4	2-3/4	2	47712	47724	45462
5/8	1-1/4	1/2	3-1/2	2	47713	—	47229 <i>New</i>
3/4	3/4	1/4	2-3/8	2	47714	47724	45485
3/4	3/4	1/2	2-3/4	2	47721(2)	47739	45463-S
3/4	1	1/4	2-1/2	2	47714	47724	45464
3/4	1	1/2	3	2	47721	47739	45463 ⑤
3/4	1-3/4	1/2	3-3/4	2	47721	47739	45465 ⑤
3/4	2	1/2	4	2	47721(2)	47739	45366
7/8	1-9/64	1/2	3-15/16	2	47793	—	57176*
1	1	3/8	2-7/8	2	47722	47730	45466
1	1	1/2	2-3/4	2	47745	47740	45365
1	1-3/4	1/2	3-3/4	2	47754	47739	45467
1-1/8	1	1/2	3	2	47738	47740	45550
1-1/8	1-1/2	1/2	3-1/2	2	47738	47740	45468
1-1/8	2	1/2	4	2	47738	47740	45551
1-1/4	1-1/2	1/2	3-3/8	2	47747	47740	45367
1-1/2	1-3/4	1/2	3-3/4	2	47749	47740	45368
3/8	1/2	1/4	2	3	47751	47764	45475-3TS
1/2	1/2	1/4	2-1/2	3	47701	47724	45487-3TS
1/2	1	1/4	2-1/2	3	47701	47724	45460-3TS
3/4	1	1/2	3	3	47721(2)	47739	45463-3TS**
3/4	1-1/4	1/2	3-11/32	3	47721(2)	47739	45366-3TS**

+ **Attention:** Reduce RPM & Feed Rates (IPM) by 30-50% to prevent tool breakage due to extremely small diameter (D). Bits are not guaranteed due to extremely small diameter. Designed for use in intricate and delicate projects with or without tight spaces. Do not flush trim material more than half the diameter of the bearing and slow down feed to reduce load.

* Solid carbide compression spiral. **Double bearing. † Use with Keller #1641.

⑤ = 5 packs available. For packs add -5, for example 45487-5.

FLUSH TRIM PLUNGE TEMPLATE UP-SHEAR AND DOWN-SHEAR

Carbide Tipped • 2 & 3 Flute with Upper Ball Bearing

This bit is essentially a plunge-cutting straight with a shank-mounted ball-bearing pilot. Versatile, useful for template/pattern routing of parts, joints, internal cuts and can be used in handheld and table-mounted routers.

Down-Shear Angle – The shear angle cuts faster, cleaner and lasts longer than straight angle because of the chip removal speed. We recommend using shear angle in most instances especially where large diameters are used.



Down-Shear

ØD	B	Ød	L	Flute	Repl. Bearing	Repl. Collar	Tool No.
3/4	1-1/4	1/2	3-1/4	2	47721(2)	47739	45360 **
3/4	1-1/2	1/2	3-1/2	2	47721(2)	47739	45362 **
3/4	2	1/2	4	2	47721(2)	47739	45364 ** ⑤
3/8	1/2	1/4	2	3	47751	47764	45475-3DS*
1/2	1	1/4	2-1/2	3	47701	47724	45460-3DS*
3/4	1	1/2	3	3	47721(2)	47739	45463-3DS**

* Single bearing. ** Double bearing.

⑤ = 5 packs available. For packs add -5, for example 45364-5.

Up-Shear

ØD	B	Ød	L	Flute	Repl. Bearing	Repl. Collar	Tool No.
3/8	1/2	1/4	2	3	47751	47764	45475-3US*
1/2	1	1/4	2-1/2	3	47701	47724	45460-3US*
3/4	3/8	1/2	3-1/4	3	47721(2)	47739	45366-3US**
3/4	1	1/2	3	3	47721(2)	47739	45463-3US** †

† One of the carbide flutes goes over the center for better plunging.

* Single bearing. ** Double bearing.



MINI FLUSH TRIM PLUNGE TEMPLATE

Carbide Tipped with Mini Upper Ball Bearing Guide

These exclusive miniature bits feature either a 3/16" or 1/4" diameter ball bearing guide that is much smaller than other ball bearing router bits, making them ideal for delicate projects such as sign-making, building musical instruments, routing letter edges, flush trimming and plunging tight corners and confined areas and high production.

The bits can fit into tight spaces and sharp corners where a larger diameter bearing cannot, making it easier for users to work on finely detailed work pieces that have intricate contours, tight confines and narrow openings.

The series' innovative design also delivers a consistent edge that eliminates hand sanding or filing, thus saving users time and labor.

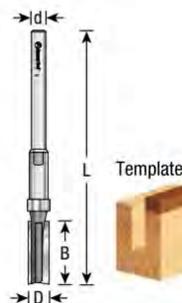
Can be used on aluminum, wood and plastics.



ØD	B	d	L	Repl. Bearing	Tool No.
3/16	1/4	1/4	1-3/4	47775 (3/16)	47222-S
3/16	1/2	1/8	2	47775 (3/16)	47220
3/16	1/2	1/4	2	47775 (3/16)	47222 ⑤
1/4	1/8	1/4	2	47723 (2) (1/4)	47221-S
1/4	1/4	1/8	1-15/16	47723 (1/4)	47223-S
1/4	1/4	1/4	2-1/2	47723 (1/4)	47224-S ⑤
1/4	3/4	1/4	2-7/16	47723 (1/4)	47224 ⑤

Attention: Reduce RPM & Feed Rates (IPM) by 30-50% to prevent tool breakage due to extremely small diameter (D). Bits are not guaranteed due to extremely small diameter. Designed for use in intricate and delicate projects with or without tight spaces. Do not flush trim material more than half the diameter of the bearing and slow down feed to reduce load.

⑤ = 5 packs available. For packs add -5, for example 47224-5.



**ONE OF THE SMALLEST
DIAMETER PLUNGE BITS WITH BALL BEARING
IN THE INDUSTRY!**



Template



DADO CLEAN-OUT

Carbide Tipped • 2 Flute • 1/4" Shank • With Ball Bearing Guide

Bits are designed with a 1/4" cutting edge for dado clean-out. Also used in hardwood and flooring medallions.

For template application, the bearing follows the template, while the cutting edges trim the workpiece. With the router handheld, the template is on the bottom of the work. With a table-mounted router, the template is on top.



ØD	B	Ød	L	Repl. Bearing	Repl. Collar	Tool No.
3/8	1/4	1/4	1-3/4	47751(2)	47764	45475-S † ⑤
1/2	1/8	1/4	1-3/4	47701	47724	45489-S
1/2	1/4	1/4	1-5/8	47701	47724	45460-S ⑤
9/16	3/8	1/4	1-27/32	47753	47724	45474-S *
5/8	1/4	1/4	1-3/4	47712	47724	45462-S
3/4	1/4	1/4	1-3/4	47714	47724	45464-S

† Double bearing.

* Tambour groove/slot bit.

⑤ = 5 packs available. For packs add -5, for example 45460-S-5.

Template



FLUSH TRIM TEMPLATE

Insert Carbide • 2 Flute with Upper Ball Bearing

Insert carbide is the economical way to go. Each knife has two edges; saves down time.

We have three different grades of carbide for various applications, such as: hardwood/softwood, MDF, solid surface, chipboard and plywood.

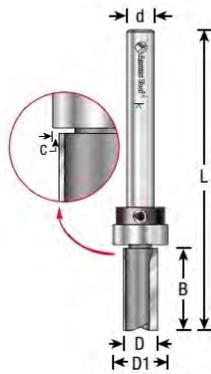
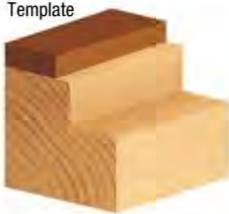


ØD	B	Ød	L	Replacement Knives	Tool No.
3/4	30mm	1/2	3-1/4	RCK-30	RC-1230
3/4	50mm	1/2	3-15/16	RCK-151	RC-2400**

** This tool is meant for difficult work. The knives are held with 3 screws.

Replacement parts: Bearing #47721; Collar #47739; Knife screws #67115.

Template



FLUSH TRIM PLUNGE TEMPLATE

Carbide Tipped • 2 Flute with Oversized Upper Ball Bearing

For template use with specified jigs.



Jigs	ØD	D1	B	Ød	L	C	Bearing	Tool No.
Porter-Cable® Morten, [™] Morten & Tenon, Omnijig [®]	5/16	1/2	3/4	1/4	2-3/4	3/32	47701	45495
Porter-Cable® Morten, [™] Morten & Tenon, Omnijig [®]	5/16	1/2	1	1/4	2-23-32	3/32	47701	45371
Hinge-Mate [™] II Template	1/2	3/4	1/4	1/4	1-7/8	1/8	47714	45496
Replacement for "Porter-Cable [®] " bit #43671 one piece. For Mortising of doors to accept hinge butts with Porter-Cable [®] Kit model #59370 for 3", 3-1/2" and 4" hinges	1/2	5/8	3/8	1/4	2-1/2	1/16	47712	45484
	9/16	1/2	9/16	1/4	2-5/16	1/32	47712	45372

Replacement collar #47724.

8-PC. FLUSH TRIM PLUNGE TEMPLATE

1/8", 1/4" & 1/2" Shank • Carbide Tipped Router Bit Collection

Extremely small cut diameter trim bits for tight turns. The exclusive miniature bit features either a 3/16" or a 1/4" diameter ball bearing guide that is much smaller than other ball bearing router bits on the market.

Set #AMS-600

Includes the following Amana Tool[®] router bits:

#47220, #47222, #47222-S, #47224, #47224-S, #47226, #45460-S, #47228 & #RB-102



FLUSH TRIM

Carbide Tipped • 2 Flute • With Ball Bearing Guide

Flush trimming bits are for laminate, template and pattern. Good general-purpose choice, providing fast cuts and good finishes. Excellent for template work.



ØD	B	Ød	L	Tool No.
3/16	7/16	1/8	1-23/32	MR0105 ***
3/16	7/16	1/4	2	MR0102 ***
3/16	3/4	1/4	2-7/16	MR0103 ***
1/4	1/2	1/4	2-1/4	47090 Ⓢ
1/4	1	1/4	2-1/2	47092 Ⓢ
3/8	1/2	1/4	2-1/8	47102 (2) Ⓢ
3/8	1	1/4	2-5/8	47100 (2) Ⓢ
3/8	1	3/8	2-7/8	47103 †
3/8	1	1/2	3-1/8	47101
3/8	1-1/4	1/4	2-3/8	47093
1/2	8mm(5/16)	1/4	2-1/4	RC-2000
1/2	7/16	1/4	2-19/64	DRB-400
1/2	1/2	1/4	2-1/4	47106 (2) Ⓢ
1/2	1/2	1/2	2-3/4	47110
1/2	13/16	1/4	2-5/16	RC-47104
1/2	1	1/4	2-5/8	47104 (2) Ⓢ
1/2	1	1/4	2-5/8	57173 * New
1/2	1	1/4	2-53/64	DRB-404
1/2	1	3/8	2-7/8	47112
1/2	1	1/2	3-1/4	47108 Ⓢ
1/2	1-1/4	1/4	2-3/4	47117 Ⓢ
1/2	1-1/2	1/2	3-7/8	47124 Ⓢ
1/2	2	1/2	4-1/4	47126 Ⓢ
3/4	1	1/2	3-1/4	47140
3/4	1-1/4	1/2	3-1/2	47141
7/8	1-9/64	1/2	3-15/16	57174 *

4-Pc Set includes 47092(1/4), 47100(3/8), 47106(1/2) & 47150(.059R) **AMS-105**

Replacement Bearings: 1/4" dia. use #47723, 3/8" dia. use #47702, 1/2" dia. use #47706, 3/4" dia. use #47714.

Replacement knife #RCK-262 (2). Replacement knife #RCK-8 (2).

Ⓢ 1/4" diameter for closer inside corner cutting only; bearings not guaranteed due to size.

† Single Flute, for the RV industry. * Solid carbide compression spiral.

*** Miniature with 3/16" ball bearing guide #47775.

(2) = 2 packs available. (5) = 5 packs available. For packs add a -2 or -5, for example 47090-5.

Polycrystalline Diamond (PCD) for extremely long life. Also for composites, ACM materials and Aluminum.

3 Flute

For an extremely smooth finish, choose the three-flute configuration. It is especially good to use on laminates that tend to chip easily.

ØD	B	Ød	L	Tool No.
1/2	1/2	1/4	2	47116 (5)
1/2	1/2	1/2	2-5/8	47120
1/2	1	1/4	2-5/8	47114 (5)
1/2	1	1/4	2-29/32	57180 **
1/2	1	1/2	3-1/4	47118
1/2	1	1/2	3-5/8	47118-2 **

Standard replacement bearing (.500" dia.), use #47706.

Undersized bearing (.492" dia.), use #47715 - for use after re-sharpening.

** Double ball bearing for added stability.

** Replacement bearings #47706 (bottom), #47701 (top). Retaining collar #47724.

(5) = 5 packs available. For packs add -5, for example 47114-5.

4 Flute

Super-smooth cut finish. Feed rate is reduced, chipping is virtually eliminated.

ØD	B	Ød	L	Tool No.
3/4	1	1/2	3	57184
3/4	1-1/2	1/2	4	57185
3/4	2	1/2	4-1/2	57186
3/4	2	1/2	4-3/4	57187 ***

Standard replacement bearing (steel) use #47714.

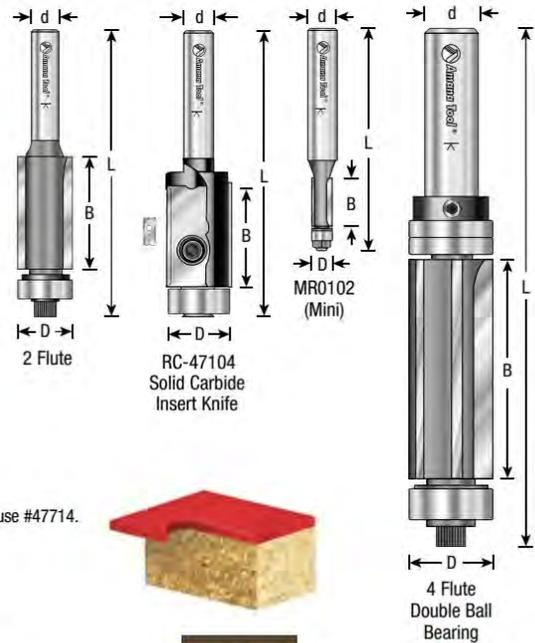
Optional Delrin® replacement bearing use #47709, for solid surface application.

** Replacement bearings #47714 (bottom), #47721 (2 top). Retaining collar #47739.

*** Replacement bearings #47714 (bottom), #47721 (2 top). Retaining collar #47740.



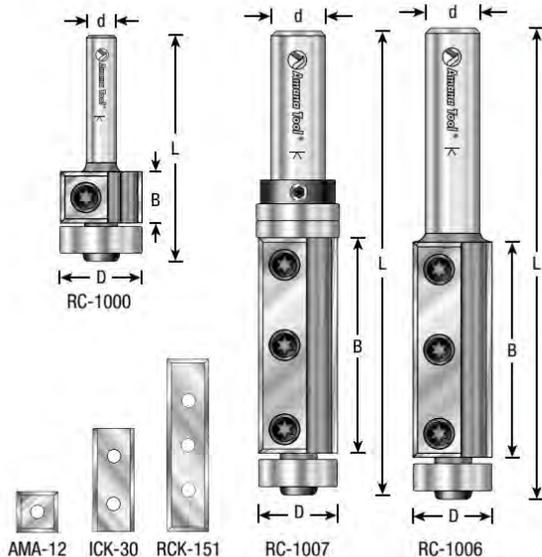
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4
FLUTE



57186



FLUSH TRIM

Insert Carbide • 2 Flute with Ball Bearing Guide

In a production environment, insert tooling reduces downtime to a minimum. Each throw-away insert knife in this flush trimming bit has multiple edges. Rotate the knife to expose a fresh cutting edge. Tips can be replaced at any time, even mid-job, without changing the router setup.



ØD	B	Ød	L	Repl. Knives	Tool No.
3/4	12mm	1/4	2-1/16	AMA-12	RC-1000
3/4	30mm	1/2	3-1/4	ICK-30	RC-1004
3/4	50mm	1/2	4-5/16	RCK-151	RC-1006*
3/4	50mm	1/2	4-5/8	RCK-151	RC-1007**

* This tool is meant for difficult work. The knives are held with 3 screws.

** Replacement parts: Bearings #47714 (bottom), #47721 (2 top); Retaining collar #47739; Dust shield #67116.

NOTE: #RC-1000, #RC-1006 & #RC-1007 have four cutting edges per knife. #RC-1004 has two cutting edges per knife.

For replacement parts visit www.amanatool.com



FLUSH TRIM New

Carbide Tipped • 2 Flute with Upper and Lower Ball Bearing Guide

Use this flush trimming bit for laminate work or for template and pattern work. The two-bearing design allows the cutter to be used with the template mounted on either side of the work and, consequently, it is possible to cut from either direction using only one template and without moving the template to the other side of the work piece. Excellent for template work.

This is especially useful when cutting curves which run both with and against the grain.



ØD	B	B1	Ød	L	Tool No.
1/2	1	37/64	1/4	2-7/8	47164
5/8	7/8	33/64	1/4	2-3/4	47166
5/8	1-3/8	49/64	1/4	3-1/4	47168

Replacement parts: Bearings #47701 and #47706 (47164), #47712(2) (47166, 47168)

ECONOMY FLUSH TRIM

Insert Carbide • 2 Flute with Ball Bearing Guide

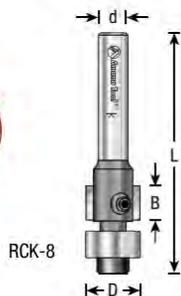
Get the practicality and productivity of an insert bit for the cost of a standard brazed-tip bit. The small two-sided carbide insert knives usually can be changed without altering the bit setup in the router. Because the knives aren't heated for brazing, it can be made of a harder grade of carbide and it will hold its edge longer. Ideal for both standard routers and laminate trimmers.



ØD	B	Ød	L	Repl. Knives	Tool No.
1/2	8mm(5/16)	1/4	2-1/4	RCK-8	RC-2000

Replacement parts: Bearing #47706; Knife hex key #5011; Knife screws #67016;

Bearing screw #67018; Allen key for bearing #5007. Optional knife for solid wood: #RCK-8-DLC.



4-PC. FLUSH TRIM SET

1/4" Shank • Carbide Tipped Router Bit Collection • With Ball Bearing

Use this flush trimming bit for laminate work or for template and pattern work. For template application, the bearing follows the template, while the cutting edges trim the workpiece. With the router handheld, the template is on the bottom of the work. With a table-mounted router, the template is on top. A two-flute bit is a good general-purpose choice, providing fast cuts and good finishes. Excellent for template work.

Set #AMS-105

Includes the following Amana Tool® router bits:
#47092, #47100, #47106 & #47150



NO-FILE™ FLUSH TRIM

Carbide Tipped • 2 Flute with Ball Bearing Guide

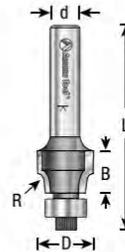
Eliminate the time-consuming hand-filing that normally follows each trimming cut on a laminate job. The No-File™ bit “breaks” the sharp edge as it trims the laminate flush. When used properly, the resulting edge is smooth and has a slight radius.



ØD	B	R	Ød	L	Tool No.
1/2	3/8	.015 (0.4mm)	1/4	1-7/8	47154 ⑤
1/2	3/8	.059 (1.5mm)	1/4	1-7/8	47150 ⑤
1/2	3/8	.059 (1.5mm)	1/2	2-1/8	47152

Note: #47154 is for laminates .025”–.038” thick (.4mm radius), #’s 47150-47152 are for laminates .042”–.052” thick (1.5mm radius). Replacement bearing #47704 (3/8” dia.).

⑤ = 5 packs available. For packs add -5, for example 47150-5.



FLUSH TRIM (EXTRA LONG)

Carbide Tipped • With Ball Bearing Guide

Use this bit for template or pattern work where the workpiece is unusually thick. The two-flute configuration cuts fast and produces a smooth finish.

For a superior finish, use the three-flute version. Twin bearings on selected tools provide better contact with reference edge and more stability in the cut.



2 Flute

ØD	B	Ød	L	Tool No.
1/2	1-1/2	1/2	3-7/8	47124
1/2	1-1/2	1/2	4-1/16	47124-2 **
1/2	2	1/2	4-1/4	47126
1/2	2	1/2	4-3/8	47126-2 **

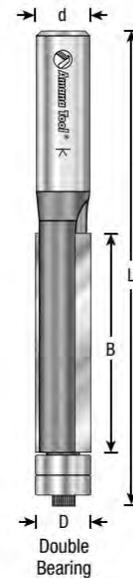
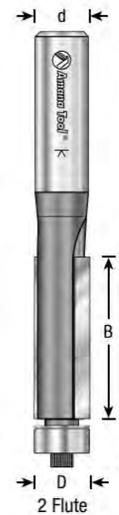
3 Flute

ØD	B	Ød	L	Tool No.
1/2	1-1/2	1/2	3-7/8	47128
1/2	1-1/2	1/2	4-1/16	47128-2 **
1/2	2	1/2	4-5/8	47131

** Double ball bearing for added stability.

Standard replacement bearing (.500” dia.), use #47706.

Undersized bearing (.492” dia.), use #47715 – for use after re-sharpening.



DYNABIT™ LAMINATE TRIM

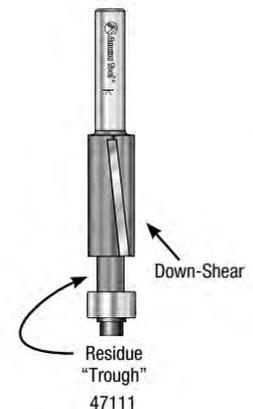
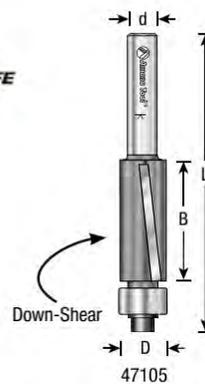
Carbide Tipped • 2 Flute with Ball Bearing Guide

The Dynabit™ line features a modest down-shear for an excellent finish. The helix bits have a spiral-like twist to the cutting edges, making them especially good on difficult materials such as melamine. An adhesive-trapping gap between cutting edges and pilot bearing is featured on tool #47111.



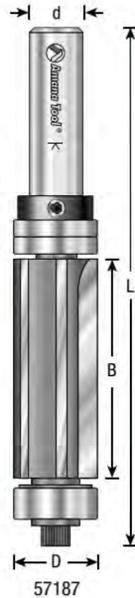
ØD	B	Ød	L	Type	Repl. Bearing	Tool No.
3/8	1/2	1/4	2-1/8	Down-shear	47702	47115
1/2	1	1/4	2-5/8	Down-shear	47706	47105 ⑤
1/2	1	1/2	3	Down-shear	47706	47109
1/2	1	1/4	2-7/8	Down-shear	47706	47111
1/2	2	1/2	4	Down-shear	47706	47129
5/8	5/8	1/4	2-1/4	Flush Helix	47712	47180
3/4	5/8	1/4	2-1/4	Flush Helix	47714	47182

⑤ = 5 packs available. For packs add -5, for example 47105-5.





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MULTI-TRIMMER

Carbide Tipped • With Ball Bearing Guide • 3 & 4 Flute

Use any of the flush trimming bits below for laminate work or for template and pattern work. For template application, the bearing follows the template, while the cutting edges trim the workpiece. With the router handheld, the template is on the bottom of the work. With a table-mounted router, the template is on top.

For an extremely smooth finish, choose the three-flute configuration. It is especially good to use on laminates that tend to chip easily.

For a super-smooth cut finish, use a four-flute bit. Feed rate is reduced, and chipping is virtually eliminated.



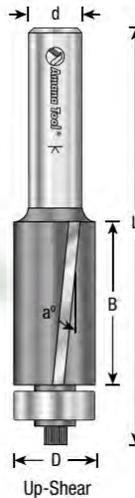
ØD	B	Ød	L	Flute	Tool No.
1/2	1	1/4	2-29/32	3	57180 *
3/4	2	1/2	4-3/4	4	57187 **

* Replacement bearings #47706 (bottom), #47701 (top). Retaining collar #47724.

** Replacement bearings #47714 (bottom), #47721 (2 top). Retaining collar #47740.



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SUPERTRIM™ 3° & 5° UP / DOWN SHEAR

Carbide Tipped • 2 Flute with Ball Bearing Guide

For exceptional cutting speed, coupled with a super-fine finish, use these large-diameter flush trim bits on a standard router. Available in either up-shear or down-shear. Especially suitable for solid surface material when used with optional #47709 Delrin® bearing. Furnished with steel bearing #47714.



ØD	a°	B	Ød	L	Type	Tool No.
3/4	5°	1-1/2	1/2	3-7/8	Up-shear	47130
3/4	3°	2	1/2	4-1/4	Up-shear	47134
3/4	5°	1	1/2	3	Down-shear	47135
3/4	5°	1-1/2	1/2	3-7/8	Down-shear	47136
3/4	5°	2	1/2	4-1/4	Down-shear	47138

Note: Down-shear bits are not intended for router table use.

Steel replacement bearing #47714; Optional Delrin® bearing #47709.



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HARDER CARBIDE
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DOWN-SHEAR MULTI TRIMMER

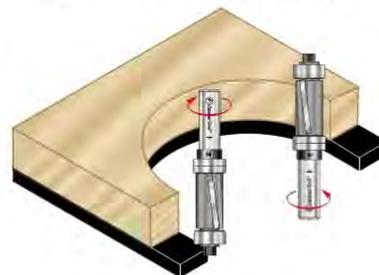
Carbide Tipped • 2 Flute

This adaptable double bearing guided cutter has down-shear design, which ensures a clean cut even in difficult materials. The two-bearing design allows the cutter to be used with the template mounted on either side of the work and, consequently, it is possible to cut from either direction using only one template and without moving the template to the other side of the work piece.

This is especially useful when cutting curves which run both with and against the grain.



ØD	B	Ød	L	Replacement Bearing		Tool No.
				Upper	Lower	
1/2	5/8	1/4	2-19/32	47701	47706	47094
1/2	1	1/4	2-15/16	47701	47706	47095
3/4	1-1/4	1/2	3-3/4	47721(2)	47714	47096
3/4	2	1/2	4-5/16	47721(2)	47714	47097



INDUSTRIAL

Scratch-Free

Laminate Trim Bits with Euro™ Square Bearing

- Non-stick Teflon® square bearing will not mark your edge
- Will not scratch or mark any laminates with matte or high gloss finish
- Carbide tipped



LAMINATE TRIMMER WITH EURO™ SQUARE BEARING

Carbide Tipped • 2 Flute

The bits are designed according to specifications with a slight taper allowing for adjustment up or down on the work edge to finish off the edge with a smooth and burr-free cut. The square bearing is manufactured with a strong non-stick Teflon® which won't mark your edge so it can be wiped clean easily.



MAX
HARDER CARBIDE
FOR EXTENDED LIFE

- Leaves no marks on high-gloss, finished edges
- Glue won't stick to bearing
- Beveled cutter means little or no hand filing
- Will not scratch or mark any laminates with matte or high gloss finish
- Beveled cutter can be resharpened
- Use 1/2" diameter bit with laminate trimmers



ØD	B	Ød	L	Type	Replacement Bearing	Tool No.
1/2	19/64	1/4	1-3/4	Taper	SQB100	47147 ^⑤
1/2	1/2	1/4	2-1/8	Taper	SQB100	47146 <i>New</i>
1/2	1	1/4	2-5/8	Straight	SQB100	47145 <i>New</i>
3/4	5/8	1/4	2-3/8	Taper	SQB102	47148
3/4	5/8	1/2	2-5/8	Taper	SQB102	47149

⑤ = 5 packs available. For packs add -5, for example 47147-5.



EURO™ SQUARE BEARING

Will Not Scratch or Mark Laminates with Matte or High Gloss Finish

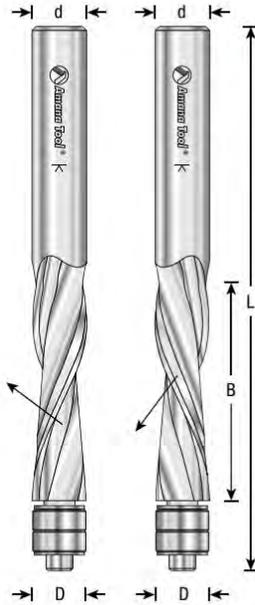
Manufactured with non-stick Teflon® which won't mark your edge.

- SQB100 Can be mounted to any 1/2" diameter Amana Tool flush trimmer.
- SQB102 Can be mounted to any 3/4" diameter Amana Tool flush trimmer.

Ø I.D. x Ø O.D.	'B' Bearing Thickness	R	For Tool	Tool No.
3/16 x 1/2	.223	3/32	47147	SQB100
3/16 x 3/4	.273	3/32	47148 & 47149	SQB102

Note: Solvents should not be used to clean ball bearings, as this will deteriorate the special grease. 'Frozen' bearings (ones that do not rotate freely), should be replaced immediately.





ULTRATRIM™ SPIRAL TRIM

Solid Carbide • 2 & 3 Flute with Double Ball Bearing Guides

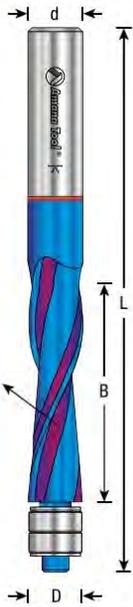
For the ultimate, chip-free finish in laminate, melamine, solid surface, fragile veneers and for template work of all kinds. The twin ball-bearing pilot enhances the stability of the tool. Available in 'Up-Cut' and 'Down-Cut' spirals.



ØD	B	Ød	L	Flutes	'Up-Cut' Tool No.	'Down-Cut' Tool No.
1/2	1-1/4	1/2	4	2	46300	46400
1/2	2	1/2	5	2	46304	46404
1/2	1-1/2	1/2	4	3	58120 <i>New</i>	58220 <i>New</i>
1/2	2	1/2	4-1/2	3	58122 <i>New</i>	58222 <i>New</i>

Replacement bearing: use 47701 (2), lock ring: use 47752, washer: use 67053.

* Old style bit with nut use, bearing 47706 (2), nut 67086, washer 67101, dust shield 67098.



THE ONLY
SPEKTRA™
EXTREME TOOL LIFE COATING
ULTRATRIM™ SPIRAL TRIM

Solid Carbide • 2 Flute • Up-Cut

For the ultimate, chip-free finish in laminate, melamine, solid surface, fragile veneers and for template work of all kinds. The twin ball-bearing pilot enhances the stability of the tool.



UP TO
2.5X
LONGER LIFE
COMPARED TO UNCOATED BITS

ØD	B	Ød	L	Tool No.
1/2	1-1/4	1/2	4	46300-K <i>New</i>

Replacement bearings use #47701 (2).

ULTRATRIM™ SPIRAL TRIM

Solid Carbide • 2 Flute • Up-Cut Or Down-Cut Spiral

Spiral flush trim bit, #46196 is used for acrylic, wood and MDF up to a 1/4" thick, for getting into tight corners with a small radius and great for cleaning out your edges. #46197 is mainly used for acrylic and wood up to a 1/2" thickness.



ØD	B	Ød	L	'Up-Cut' Tool No.	'Down-Cut' Tool No.
1/8	3/8	1/4	2	46196 * †	46296 * † ⑤
1/4	1	1/4	3	46197 ✓	46297 ✓ ⑤

* **Note:** Due to extremely small cutting diameter this bit is not guaranteed.

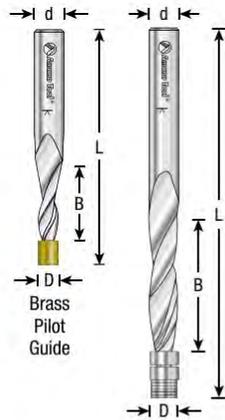
† Brass pilot guide

✓ Double ball bearing pressed

⑤ = 5 packs available. For packs add -5, for example 46296-5.

Replacement bearings for #46197 and #46297: Two #47723.

Philips retaining screws for #46197 and #46297: #67134.



46297



46196



ULTRATRIM™ SPIRAL TRIM New

Solid Carbide • 2 Flute • Up-Cut Or Down-Cut Spiral

This spiral flush trim bit is mainly used for acrylic, wood and MDF up to a 1/2" thickness. Double ball bearing pressed.



ØD	B	Ød	L	'Up-Cut' Tool No.	'Down-Cut' Tool No.
1/4	1	1/4	3	46197-K	46297-K

Replacement bearings for #46197-K and #46297-K: Two #47723.

COMPRESSION SPIRAL

Solid Carbide • 2 Flute with Double Ball Bearing Guides

Spiral bits produce razor-sharp cutting edges in flush trimming. The twin ball-bearing pilot enhances the stability of the tool. This bit offers an 'Up-Cut' and 'Down-Cut' combination.



ØD	B	B1	Ød	L	Tool No.
1/4	1-1/4	7/16	1/4	3-1/4	59606 New
1/2	1-1/4	7/16	1/2	4	46192

Replacement bearing for #59606: #47723 (2)

Replacement bearing for #46192: #47701 (2)

Replacement washer #67053.

Replacement locking ring #47752.

'OVERHANG' TRIM

Carbide Tipped • 2 Flute with Ball Bearing Guide

Stage flush trimming cuts, whether in laminate work or template work, with this bit. Trimming the material in two passes reduces chipping in laminates and tearout in solid wood. A preliminary cut with the overhang bit leaves a small overhang in laminates or template work, leaves an edge slightly protruding the template.

Complete the operation with a final pass using a standard trim bit.



ØD	B	C	Ød	L	Repl. Bearing	Tool No.
1/4	1/2	1/16	1/4	2-1/4	47704	47185
1/4	1	1/16	1/4	2-1/2	47704	47188
1/4	1	1/8	1/4	2-1/2	47700	47189
3/8	1/2	1/64	1/4	2-5/32	47794	47193
3/8	1/2	1/8	1/4	2	47718	47190
3/8	1	1/8	1/4	2-5/8	47718	47195
1/2	1/2	1/16	1/4	2-1/4	47718	47192
1/2	1/2	1/16	1/2	2-3/4	47718	47194
1/2	1	1/8	1/4	2-5/8	47720	47197
1/2	1	3/16	1/4	2-5/8	47719	47198 *

* Down-shear Design.

FLUSH TRIM V-GROOVE

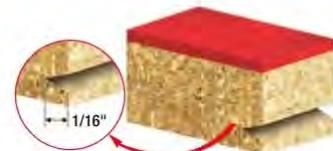
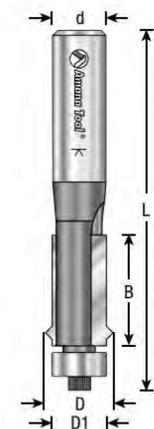
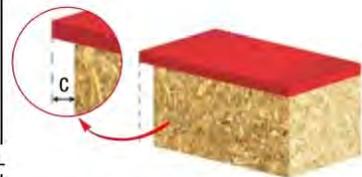
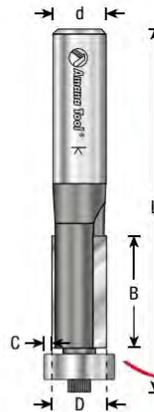
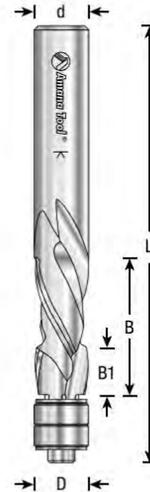
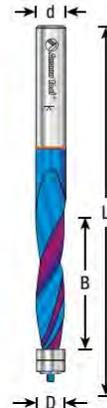
Carbide Tipped • 2 Flute with Ball Bearing Guide

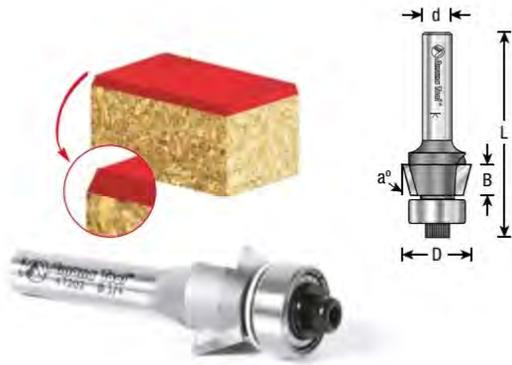
Trim the edges of face frames flush with cabinet sides with this bit. At the same time, cut a decorative V-groove to conceal the seam between the frame and the case.



ØD	ØD1	B	Ød	L	Tool No.
5/8	1/2	1	1/4	2-5/8	47160
5/8	1/2	1	1/2	3-1/4	47162

Replacement bearing #47706.





BEVEL TRIM

Carbide Tipped • 2 Flute with Ball Bearing Guide

This is a steel-bodied, carbide-tipped bit for bevel trimming laminate with a standard router. The solid construction reduces vibration for the smoothest cut possible with a two-flute bit.

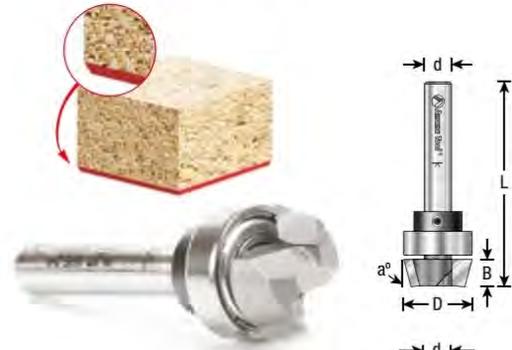


ØD	a°	B	Ød	L	Repl. Bearing	Tool No.
1/4	7°	3/8	1/4	1-7/8	47775	MR0106 *
1/2	22.5°	1/2	1/4	1-7/8	47775	MR0107 *
9/16	45°	1/4	1/4	1-7/8	47775	MR0108 *
5/8	15°	1/4	1/4	2-3/32	47706	47200 ⑤
1/2	22°	5/16	1/4	1-3/4	47723	47201
3/4	25°	1/4	1/4	2-3/32	47706	47202
3/4	25°	27/64	1/4	2-3/64	47702	47206
1-1/16	45°	9/32	1/4	2	47706	47204

Note: Tool #47206 has a 3/8" diameter bearing for closer inside corner cutting.

* Miniature 3/16" ball bearing guide #47775.

⑤ = 5 packs available. For packs add -5, for example 47200-5.



BEVEL TRIM

Carbide Tipped • 2 Flute with Ball Bearing Guide



ØD	ØD1	a°	B	Ød	L	Repl. Bearing	Tool No.
5/8	1/2	15°	1/4	1/4	1-7/8	47712	47212
3/4	1/2	25°	1/4	1/4	1-7/8	47714	47214

BEVEL TRIM

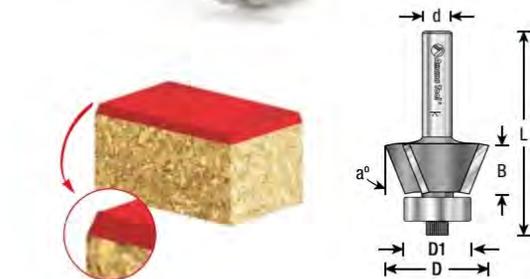
Carbide Tipped • 3 Flute with Ball Bearing Guide

The solid construction of this carbide-tipped bit reduces vibration, and its three and four-flute configuration produces a very smooth cut. Intended for use in a standard router.



ØD	ØD1	a°	B	Ød	L	Tool No.
3/4	16mm	7°	7/16	1/4	2	47302
51/64	16mm	15°	7/16	1/4	2	47301
15/16	16mm	22°	7/16	1/4	1-7/8	47300
1-3/32	16mm	30°	7/16	1/4	2	47304

Replacement bearing #47716.



BEVEL TRIM

Solid Carbide Insert • 2 Flute with Ball Bearing Guide

These knives are canted for bevel-trimming.



ØD	a°	B	Ød	L	Repl. Knives	Tool No.
13/16	15°	7/16	1/4	2-1/4	AMA-12	RC-1008
1-1/16	45°	7/16	1/4	2-1/4	AMA-12	RC-1014

Note: All bevel trim bits have four cutting edges per knife.

Torx® key included.

Replacement bearing for RC-1014 use #47701. All others use #47712 bearing.

Replacement knife screws #67115.



SPECIAL BEVEL TRIM

Carbide Tipped • 2 Flute with Ball Bearing Guide

A very shallow bevel angle and the gap between the cutting edges and the ball-bearing pilot are the key features of this carbide-tipped bit. The gap collects adhesive residue that usually fouls the pilot and thus degrades the cut.



ØD	a°	B	Ød	L	Tool No.
5/8	8°	15/32	1/4	2-1/4	47210

Note: Tool #47210 is a special 8° bevel tool with a gap (.287") to reduce glue build-up.

Standard replacement bearing (.500" dia.) #47706 or new #47715 (.492" dia.) for use after resharpening.

Gap reduces adhesive build-up around bearing area.

45° MITER JOINT UNDER-CUT ASSEMBLY

Carbide Tipped • 4-Wing with 'Ultra-Glide™' Ball Bearing Assembly

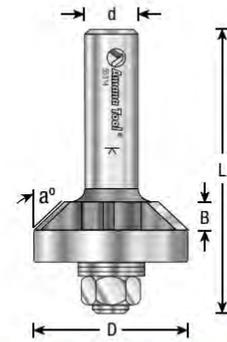
Eliminate that dark line at the edge of a counter or other laminate-covered surface. With this bit assembly, the laminate cemented to the substrate can be trimmed and mitered in one pass. Then a pre-mitered edging strip can be applied. The resulting seam is clean and crisp. Not intended for use in a laminate trimmer.

- Laminated top is 'under-cut', as shown.
- Apron laminate is pre-cut at 45°
- Adhere pre-cut laminate for a perfect fit. A fine file may be used to remove the sharp edge after joining.



ØD	a°	B	Ød	L	Tool No.
1-3/8	45°	1/4	1/4	2-3/8	55312
1-3/8	45°	1/4	1/2	2-3/8	55314

Replacement parts: 1/4" Shank arbor #47600; 1/2" Shank arbor #47604.
45° cutter only #55310.
'Ultra-Glide™' bearing #47727.
Nut #67088.



BEVEL TRIM CUTTER ASSEMBLY

Carbide Tipped • 4-Wing

Includes cutter, arbor & ball bearing guide

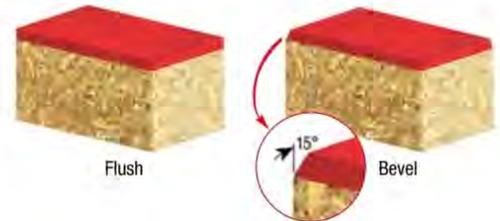
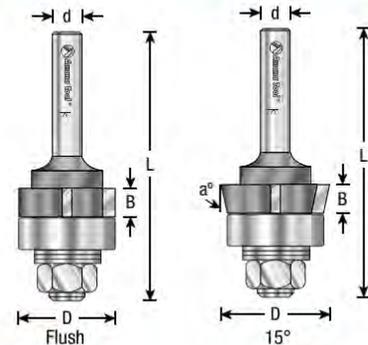
An assembly offers the option of switching cutters – from flush trim to either of two bevel trims – without removing the bit from the router or even changing the depth-of-cut setup. Four flutes yield a smooth, crisp cut finish.

All parts can be replaced individually.



ØD	a°	B	Ød	L	Tool No.
7/8	Flush	1/4	1/4	2-3/8	47400
1	15°	1/4	1/4	2-3/8	47404

Replacement Parts: Arbors: 1/4" – #47600, 3/8" – #47602, 1/2" – #47604.
Cutters: Flush – #47500, 15° – #47502.
Bearing #47708.
Nut #67088.



4-WING CUTTERS ONLY

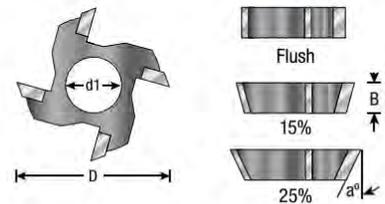
Carbide Tipped

Cutters for the above assembly are available separately.



ØD	a°	B	Ød1	Usage	Tool No.
7/8	Flush	1/4	5/16	T or B	47500
1	15°	1/4	5/16	T*	47502
1-1/16	25°	1/4	5/16	T*	47504

- * Top cutter.
- ** Bottom cutter.



COMBINATION BEVEL AND FLUSH TRIM

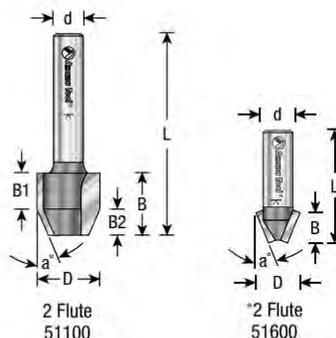
Carbide Tipped • Single & 2 Flute

Cut, trim, and bevel laminates with this one bit. Change depth-of-cut setting to shift from flush to bevel-trimming. Must be used with an edge or bearing guide or fence. Designed specifically for use in laminate trimmers.



ØD	a°	B	B1	B2	Flute	Ød	L	Tool No.
1/2	23°	1/2	19/64	13/64	2	1/4	1-3/4	51100
11/32	22.5°	1/2	19/64	13/64	2	1/4	1-5/8	51400
13/32	22°	9/32	—	—	2	1/4	15/16	51600*

- * Bevel trim only.



E-Z CHANGE™ Replaceable Cutter Router Bit System

- No resharpener
- Interlocking hex design
- Economical alternative to brazed bits



Cut laminate, MDF, plywood, wood & acrylic straight and flush with each and every cut, without ever re-sharpening your bits. E-Z Change™ router bits are an economical alternative to standard router bits. They feature replaceable head carbide tipped cutters, saving you money by replacing only the cutters when the knives become dull, instead of the entire tool. You won't need a second bit while yours is in the sharpening shop; instead, just change the cutters. You won't even lose your set-up because the E-Z Change™ cutters can be replaced with the bit in the router collet. The interlocking hex design guarantees that the cutting surfaces will not slip during use.



FLUSH TRIM REPLACEABLE CUTTER

Replaces Ocemco #TA-150
Carbide Tipped • 2 Flute



ØD	B	d	L	Tool No.
1/2	1/2	1/4	1-31/32	47170
3-Pack of Carbide Tipped Cutters for #47170 (Replaces Ocemco #TA-156)				55170

Replacement Parts

1/4" Shank (screw #67096 & washer #67082 included): #47624.
Bearing (3/16" Ød x 1/2" ØD): #47706.



DADO CLEAN OUT REPLACEABLE CUTTER

Carbide Tipped • 2 Flute



ØD	B	d	L	Tool No.
1/2	1/4	1/4	1-11/16	47173
3-Pack of Carbide Tipped Cutters for #47173				55173

Replacement Parts

1/4" Shank: #47628.
Bearing (3/16" Ød x 1/2" ØD): #47706.



TEMPLATE REPLACEABLE CUTTER

Replaces Ocemco #TA-170
Carbide Tipped • 2 Flute



ØD	B	d	L	Tool No.
1/2	1/2	1/4	1-15/16	47174
3-Pack of Carbide Tipped Cutters for #47174 (Replaces Ocemco #TA-176)				55174

Replacement Parts

1/4" Shank: #47626.
Bearing (3/16" Ød x 1/2" ØD): #47706.

BEVEL/TAPERED TRIM REPLACEABLE CUTTER

Replaces Ocemco #TA-151
Carbide Tipped • 2 Flute



ØD	ØD1	a°	B	d	L	Tool No.
5/8	1/2	10°	1/2	1/4	2	47178
3-Pack of Carbide Tipped Cutters for #47178 (Replaces Ocemco #TA-157)						
5/8	1/2	15°	1/4	1/4	1-3/4	47179
3-Pack of Carbide Tipped Cutters for #47179						

Replacement Parts

1/4" Shank (screw #67096 & washer #67124 included): #47624 for #47178.
1/4" Shank (screw #67096 & washer #67124 included): #47629 for #47179.
Bearing (3/16" Ød x 1/2" ØD): #47706.



PANEL PILOT

Solid Carbide • Single Flute

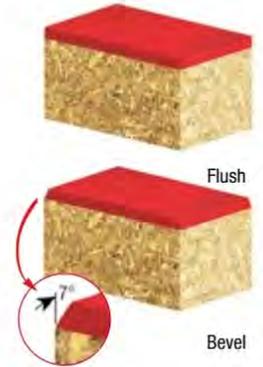
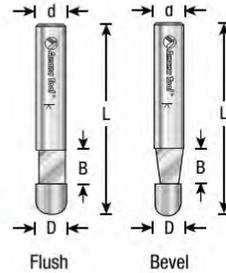
The ideal laminate trimming bit for high-volume production. Solid carbide and integral pilot (no bearing to maintain) extend life of bit, slim configuration reduces vibration. Suitable for routers and trimmers.



ØD	B	Ød	L	Type of Cut	Tool No.
1/4	1/4	1/4	1-1/2	Flush	51200 ⑤
1/4	1/4	1/4	1-1/2	7°	51202 ⑤
1/4	1/4	1/4	1-1/2	Flush	51204 * ⑤
1/4	3/8	1/4	1-1/2	Flush	51206

* #51204 has a short/flat pilot for dado clean out/ dado cleaning.

⑤ = 5 packs available. For packs add -5, for example 51200-5.



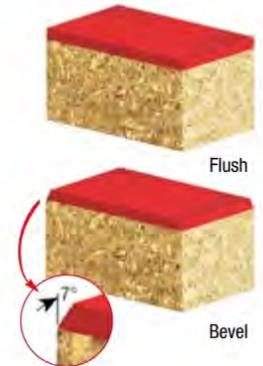
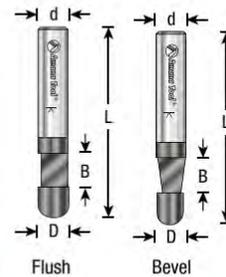
AITIN COATED BITS

AITIN COATED HIGH PERFORMANCE PANEL PILOT

Solid Carbide • Single Flute • Longer Tool Life



ØD	B	Ød	L	Type of Cut	Tool No.
1/4	1/4	1/4	1-1/2	Flush	51200XL
1/4	1/4	1/4	1-1/2	7° Bevel	51202XL



DOUBLE END PANEL PILOT

Solid Carbide • Single Flute

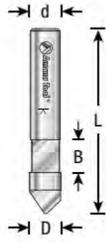
The ideal laminate trimming bit for high-volume production. Solid carbide and integral pilot (no bearing to maintain) extend life of bit, slim configuration reduces vibration. Suitable for routers and trimmers.

Unique double ended panel pilot bits provide 2 cutting sides in one tool. When the bit dulls, just flip it over!



ØD	B	Ød	L	Type of Cut	Tool No.
1/4	1/4	1/4	2	Flush	51201
1/4	1/4	1/4	2	7° Bevel	51203





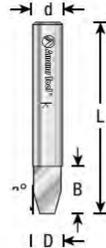
HOLE AND FLUSH CUT TRIMMER

Solid Carbide • Single Flute

This bit is used where laminate is applied over pre-cut openings in the substrate. In a continuous operation, bore through the laminate and cut the laminate out of the opening. The plunge point bores through the laminate to begin, and the integral pilot rides along the opening's inside edge to guide the trimming cut.



ØD	B	Ød	L	Tool No.
1/4	1/4	1/4	1-1/2	51712



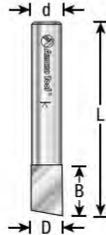
COMBINATION FLUSH AND 7° BEVEL TRIMMER

Solid Carbide • Single Flute

A bit designed specifically for use in a laminate trimmer, that will both flush and bevel trim. A change in cut depth is all it takes to switch from one to the other. Must be used with a separate ball-bearing or edge guide.



ØD	a°	B	Ød	L	Tool No.
1/4	7°	3/8	1/4	1-1/2	51706



RIP AND SLOTTING

Solid Carbide • Single Flute

Use this bit for cutting sheets of laminate, paneling, and other thin material, as well as plowing narrow slots, dadoes, and grooves.



ØD	B	Ød	L	Tool No.
1/4	5/16	1/4	1-1/2	51708



V-GROOVING

Solid Carbide • Single Flute

Rout fine-line V-Grooves in laminate covered and wooden surfaces with this solid-carbide bit, designed specifically for use in a laminate trimmer.



ØD	B	Ød	L	Tool No.
1/4	3/8	1/4	1-1/2	51710



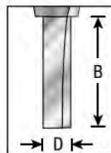
WEATHERSEAL STRAIGHT

Solid Carbide • Single Flute

Used to re-groove door and window frames to allow for insulating inserts to block wind and drafts.



ØD	B	Ød	L	Type	Tool No.
1/8	1/2	1/4	2-1/4	Straight	43813



T-SLOT

Carbide Tipped • 2 Flute

Designed for creating T-slot wall panels (used to cut their characteristic slots for many purposes) and radiused edges on the T-slots (allow easier adjustment of fixtures on the completed wall panels).

Bits are not designed for plunging operations.

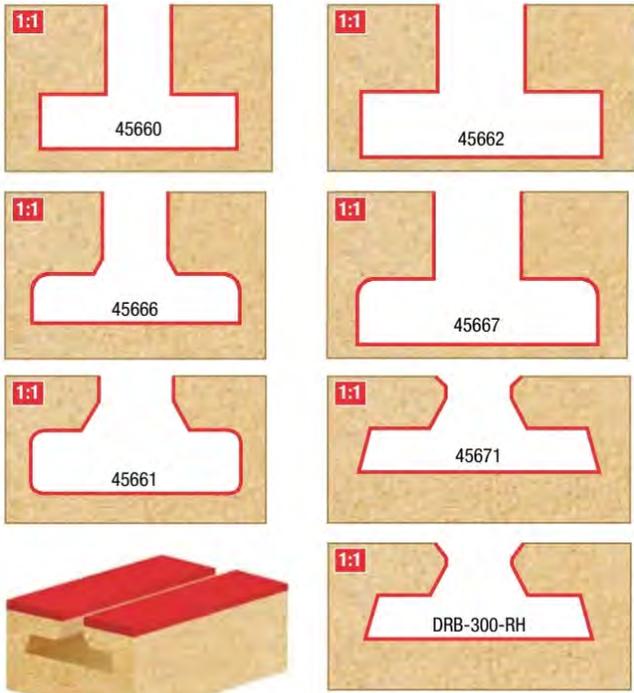
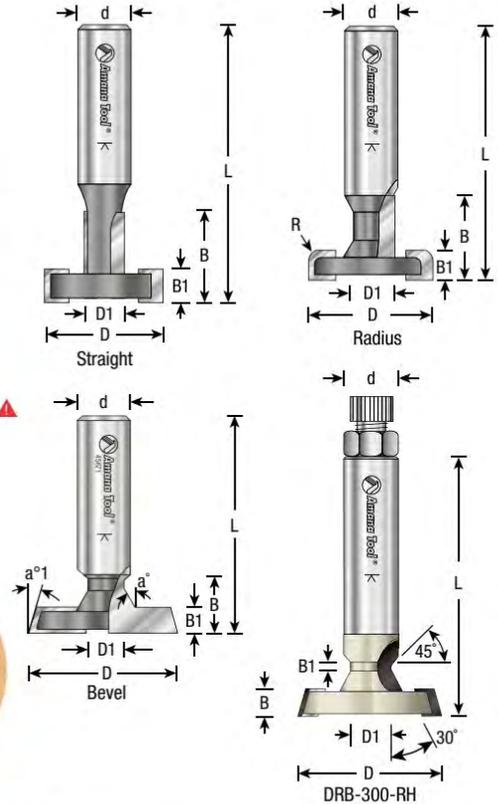


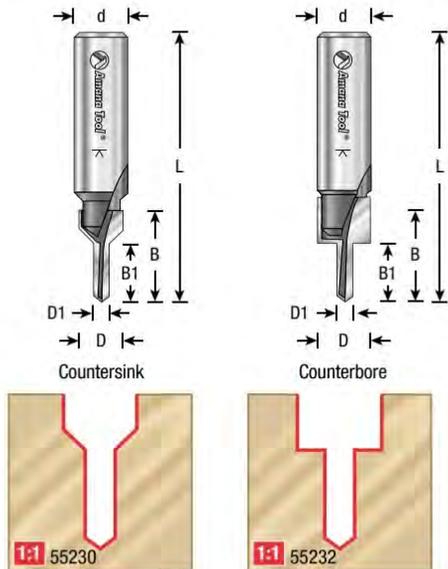
Edge Type	ØD	ØD1	R	a°	a°1	B	B1	Ød	L	Tool No.
Straight	1-1/8	3/8	—	—	—	13/16	5/16	1/2	2-1/2	45660
Radius	1-3/16	3/8	1/8	29°	—	3/4	9/32	1/2	2-3/8	45666
Radius	1-13/64	13/32	1/16	—	—	43/64	23/64	1/2	2-13/32	45661
Straight	1-3/8	1/2	—	—	—	7/8	3/8	1/2	2-1/2	45662
Radius	1-3/8	1/2	1/8	—	—	7/8	3/8	1/2	2-1/2	45667
Bevel	1-3/8	3/8	—	30°	15°	35/64	1/4	1/2	2-3/64	45671
Bevel	1-3/8	3/8	—	30°	15°	1/4	1/16	1/2	2-3/8	DRB-300-RH

Note: These tools are designed for 'groove-forming' T-slot wall panels. They are not designed for plunging operations.

Polycrystalline Diamond (PCD) for extremely long life.

Warning: CNC use only.





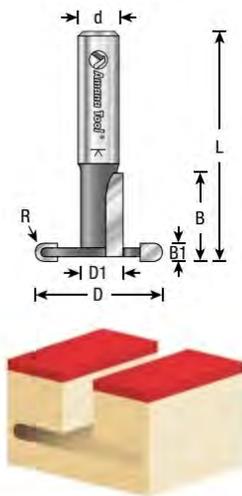
SCREW SLOT

Carbide Tipped • 2 Flute

For securing large panels or tabletops in a way that allows them to expand or contract, due to changes in temperature or humidity. The screw slots prevent the wood from splitting and the screw from failing. Great for drilling and creating slots in one operation.



$\emptyset D$	$\emptyset D1$	B	B1	$\emptyset d$	L	Type	Tool No.
7/16	11/64	13/16	1/2	1/2	2-1/2	Countersink	55230
1/2	11/64	15/16	1/2	1/2	2-1/2	Counterbore	55232



SPECIAL AMEROCK® HINGE

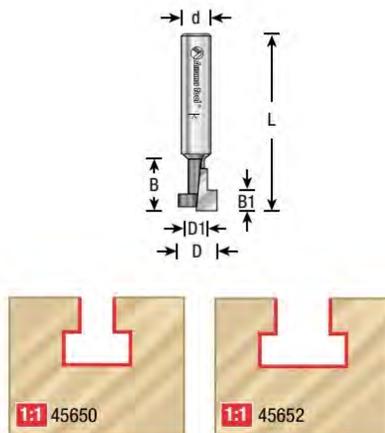
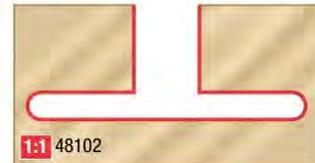
Carbide Tipped • 2 Flute

This bit is designed to produce a T-slot for Amerock® hinges. For best results use in a table-mounted router.



$\emptyset D$	$\emptyset D1$	R	B	B1	$\emptyset d$	L	Tool No.
1-1/8	7/16	5/64	13/16	5/32	3/8	2	48100 *
1-1/8	7/16	5/64	13/16	5/32	1/2	2-1/8	48101 *
1-19/32	3/8	5/64	13/16	5/32	3/8	2	48102 *

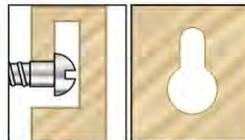
* Note: These bits are not guaranteed due to fragility and application.



KEYHOLE

Carbide Tipped • Single Flute

Form keyhole slots in plaques, picture frames, and other wall-hanging items with this plunge-cutting bit. Plunge to form the entry, then advance the router to cut a short T-slot.



$\emptyset D$	$\emptyset D1$	B	B1	$\emptyset d$	L	Tool No.
3/8	13/64	3/8	3/16	1/4	1-37/64	45650 ⑤
1/2	5/16	3/8	3/16	1/4	1-1/2	45652

⑤ = 5 packs available. For packs add -5, for example 45650-5.

BOWL & TRAY

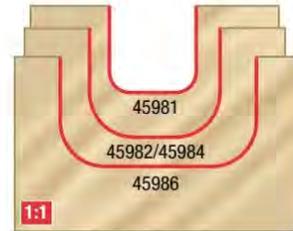
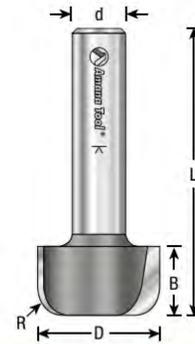
Carbide Tipped • 2 Flute

For routing solid wood serving trays, flat dishes, shallow bowls, and similar objects, use this 3-in-1 specialty plunging bit. It cuts flat, smooth bottom surfaces, vertical walls, and a transition radius between them, all in one pass. It can be used in handheld, table-mounted and CNC routers.



ØD	R	B	Ød	L	Tool No.
1/2	1/8	1/2	1/4	2-1/8	45981
3/4	1/4	5/8	1/4	2-5/8	45982 ⑤
3/4	1/4	5/8	1/2	2-5/8	45984
1-1/8	1/4	5/8	1/2	2-5/8	45986
1-1/8	1/4	1/2	1/2	2	45986-S <i>New</i>

⑤ = 5 packs available. For packs add -5, for example 45982-5.



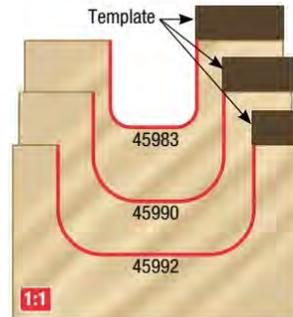
BOWL & TRAY

Carbide Tipped • 2 Flute with Upper Ball Bearing Guide

Same bit as above, but with a shank-mounted bearing so the bit can be used with a template or pattern.



ØD	R	B	Ød	L	Replacement		Tool No.
					Bearing	Collar	
1/2	1/8	1/2	1/4	2-1/8	47701	47724	45983
3/4	1/4	5/8	1/4	2	47714	47724	45988 <i>New</i>
3/4	1/4	5/8	1/2	2-5/8	47721	47739	45990
3/4	1/4	5/8	1/2	2-5/8	47721 (2)	47739	45990-2B <i>New</i>
1-1/8	1/4	5/8	1/2	2-5/8	47738	47740	45992



3-PC. CNC SIGNMAKING & LETTERING

1/4" Shank • Carbide Tipped Router Bit Pack

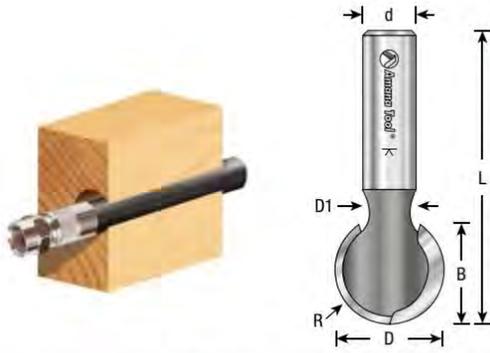
Designed for creating signs and other CNC projects in a variety of materials. Each router bit is manufactured from Amana's exclusive grade carbide according to stringent quality standards.

Excellent For Cutting:

- Wood
- Veneered Plywood
- MDF, HDF/MDF
- Laminate
- Plastic, PVC
- Sign Foam, Sign Board, HDU



Includes	Set No.
45901(3/16R), 45981(1/8R) & 45780(15°)	AMS-186



BALL END

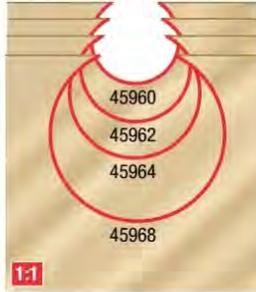
Carbide Tipped • 2 Flute

Cut channels for pipes or cables using the ball end bit. The profile requires the cut to be made in a single pass. To reduce stress on the bit, cut an initial groove using a straight bit matching the D1 dimension of the ball end bit.



ØD	ØD1	R	B	Ød	L	Tool No.
1/2	1/4	1/4	7/16	1/2	2-1/4	45960
5/8	9/32	5/16	9/16	1/2	2-3/8	45962
3/4	5/16	3/8	11/16	1/2	2-1/2	45964
1	11/32	1/2	15/16	1/2	2-3/4	45968
4-Pc. 1/2 Shank Set Includes 45960, 45962, 45964 & 45968						AMS-557

Note: Profile is useful as a 'conduit' for cables, pipes, etc.



CNC BALL END

Insert Carbide • 2 Flute

Cut channels for pipes or cables using the ball end bit. The profile requires the cut to be made in a single pass. To reduce stress on the bit, cut an initial groove using a straight bit matching the D1 dimension of the ball end bit.



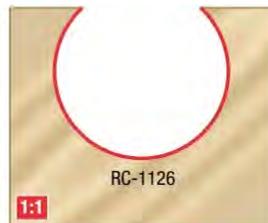
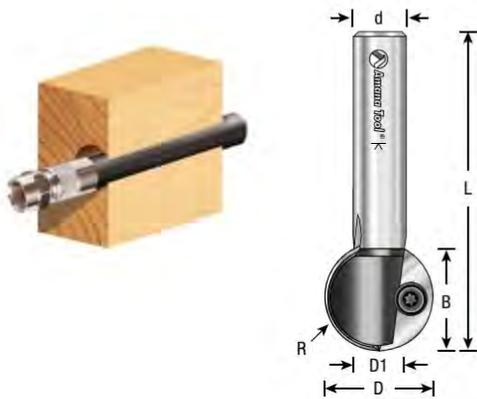
ØD	ØD1	B	R	Ød	L	Screw	Knife	Tool No.
1	43/64	15/16	1/2	1/2	2-7/8	67115	RCK-54	RC-1126★

Note: Profile is useful as a 'conduit' for cables, pipes, etc.

▲ Warning: Maximum RPM=18,000

★ Warning: These tools have an open flute design (not anti-kickback) and are intended for high feed-rate CNC machine use only. **Do not use in portable routers.**

 CNC feed and speed available online



CORE BOX

Carbide Tipped • 2 Flute

Cut half-round grooves for fluted moldings, columns, millwork and signs using these core box bits. Used with an edge guide they can cut coves. Can be used with handheld, table-mounted, and CNC routers. Perfect for making flutes on CNC machines.

Excellent For Cutting:

- Softwood/Hardwood
- Veneered Plywood
- Laminate
- MDF
- High Density Urethane (HDU Board)



ØD	R	B	Ød	L	Tool No.
1/8	1/16	3/8	1/4	1-3/4	45900 *
3/16	3/32	1/2	1/4	1-3/4	45902 *
3/16	3/8	1/2	3/8	3	DRB-433
1/4	1/8	1/4	1/4	1-5/8	45904
1/4	1/8	3/8	1/2	2-1/4	45911
1/4	1/8	3/8	1/4	2-1/2	DRB-432
5/16	5/32	3/4	1/4	2	45903
5/16	5/32	3/4	1/2	2-5/8	45905
3/8	3/16	1/4	1/4	1-1/2	45906
3/8	3/16	1/4	1/2	2	45908
3/8	3/16	1/2	3/8	3	DRB-433
3/8	3/16	1/2	1/4	2	45901
1/2	1/4	3/8	1/4	1-1/2	45910
1/2	1/4	1/2	1/4	2-1/8	RC-45910
1/2	1/4	3/8	1/4	2	45950
1/2	1/4	3/8	1/2	2-1/8	45912
1/2	1/4	5/8	1/4	2-1/4	45907
5/8	5/16	3/8	1/4	2	45909
5/8	5/16	7/16	1/4	1-5/8	45914
5/8	5/16	7/16	1/2	2	45916
3/4	3/8	7/16	1/4	1-3/4	45918
3/4	3/8	7/16	1/2	2	45920
7/8	7/16	1/2	1/2	2-1/4	45922
1	1/2	5/8	1/4	1-3/4	45924
1	1/2	11/16	1/2	2-1/8	45926
1-1/4	5/8	3/4	1/2	2-5/16	45928

Warning: #RC-45910 for CNC use only.

²⁰ Maximum RPM = 20,000

* Solid carbide (brazed to steel shank).

Replacement knife for #RC-45910: #RCK-266 (RC-45910 – single flute).
Replacement bearing for #RC-45910: #47701.

Polycrystalline Diamond for extremely long life. Max recommended material depth in one pass varies from 0.5mm to 3.0mm depends on the hardness. The harder the material, the less depth.

Use in a table-mounted router. **Not for use in a handheld router!**

Core box bit with upper ball bearing.

= 5 packs available. For packs add -5, for example 45910-5.

8-PC. CORE BOX

1/4" Shank • Carbide Tipped Router Bit Collection

Cut half-round grooves for fluted moldings, columns, millwork and signs using these bits. Used with an edge guide they can cut coves.

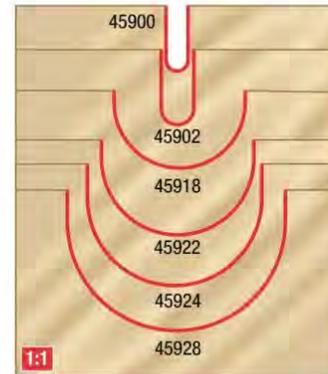
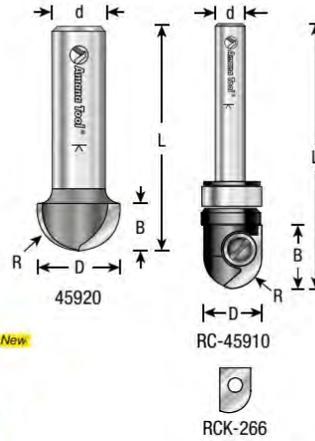
Excellent For Cutting:

- Softwood/Hardwood
- Veneered Plywood
- Laminate
- HDU Board



Sets

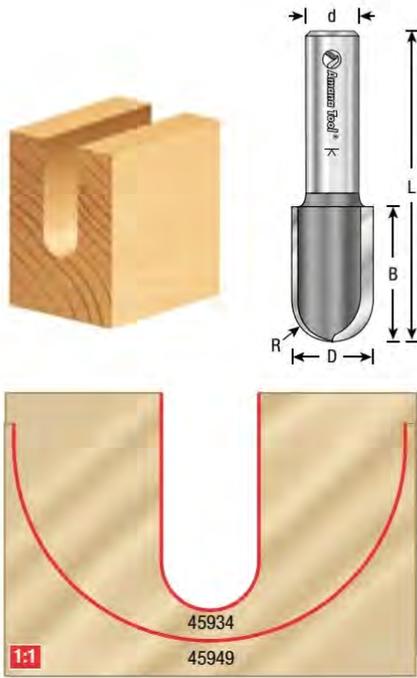
8-Pc. Set includes the following radii: 1/16 3/32 1/8 3/16 1/4 5/16 3/8 and 1/2 **AMS-420**



Set #AMS-420 Includes:

45900*, 45902*, 45904, 45906, 45910, 45914, 45918 & 45924

* Solid carbide (brazed to steel shank).



ELONGATED CORE BOX

Carbide Tipped • 2 Flute • Extra Deep

Cut much deeper flutes than possible with a regular core box bit. Perfect for making flutes on CNC machines.



ØD	R	B	Ød	L	Tool No.
3/8	3/16	1	1/2	2-3/4	45930
1/2	1/4	1-1/4	1/2	2-7/8	45932
9/16	9/32	1-1/4	1/2	2-7/8	45934
5/8	5/16	1-1/4	1/2	2-3/4	45936
3/4	3/8	1-1/4	1/2	2-3/4	45938
1	1/2	1-1/4	1/2	2-3/4	45942
1-1/4	5/8	1-1/4	1/2	2-3/4	45944 ♦ ▲ ²⁰
1-1/2	3/4	1-1/4	1/2	2-3/4	45946 ♦ ▲ ¹⁸
2	1	1-1/4	1/2	2-3/4	45948 ♦ ▲ ¹⁴
2-1/4	1-1/8	1-1/4	1/2	2-3/4	45949 ♦ ▲ ¹⁴

▲ **Warning:** Maximum RPM ▲¹⁴=14,000; ▲¹⁸=18,000; ▲²⁰=20,000

Note: All core box wood sample illustrations shown actual size.

♦ Use in a table-mounted router. **Not for use in a handheld router!**

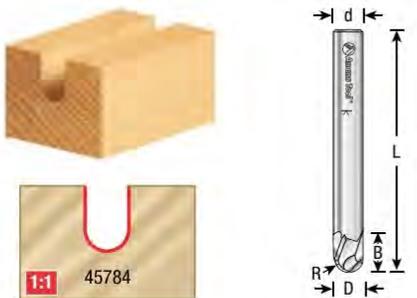
CLASSICAL GROOVE

Carbide Tipped • 2 Flute

Use this bit to form a bead-sided groove with a rounded bottom to embellish solid wood surfaces. It can be used in handheld, table-mounted and CNC routers, guided with an edge guide, fence, or in conjunction with a template guide bushing.



ØD	R	R1	B	Ød	L	Tool No.
3/4	9/64	5/32	1/2	1/4	2-1/16	56110
3/4	9/64	5/32	1/2	1/2	2-3/4	56112
1	13/64	1/4	11/16	1/2	3	56114



BOTTOM ROUND

Solid Carbide • 3 Flute

Developed for producing round bottomed grooves in hardwood and softwood, plywood and composition material. Used for engraving and carving.



ØD	R	B	Ød	L	Tool No.
1/4	1/8	3/8	1/4	2-1/2	45784

CLASSICAL GROOVE

Carbide Tipped • 2 Flute with Upper Ball Bearing Guide

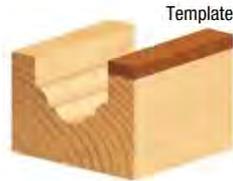
Rout decorative grooves on solid wood or MDF panels and surfaces with a handheld router. Form edges with a hand router equipped with an edge guide or on a router table. Shank-mounted bearing allows cuts to be guided by a template mounted atop the work-piece.



ØD	R	R1	B	Ød	L	Tool No.
1-3/8	1/4	13/32	9/16	1/2	2-5/8	56140

Replacement Parts:

Ball Bearing	Lock Ring	Tool No.
47734	47750	56140



POINT CUTTING ROUND OVER

Carbide Tipped • Single & 2 Flute

For trimming, lettering & fluting. Bits are not guaranteed against breakage, due to a very fine plunge point.

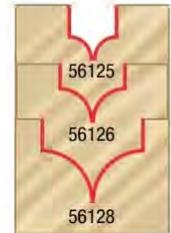
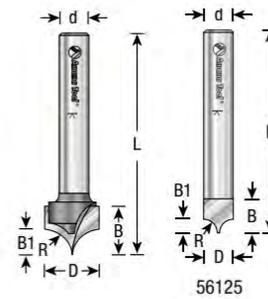


ØD	ØD1	R	B	B1	Ød	L	Flutes	Tool No.
5/64	0.02"	1/32	3/16	1/32	1/4	2-1/4	1	56141*
9/64	0.02"	1/16	7/32	1/16	1/4	2-1/4	1	56142*
13/64	0.02"	3/32	1/4	3/32	1/4	2-1/4	1	56143*
6mm	0.51mm	3mm	8mm	3mm	6mm	50mm	1	56125-M* <i>New</i>
1/4	0.02"	1/8	5/16	1/8	1/4	2	1	56125* ⑤
3/8	0.028"	3/16	19/64	3/16	1/4	1-7/8	2	56126
3/8	0.028"	3/16	5/16	3/16	1/2	2-1/8	2	56121
12mm	0.71mm	6mm	13mm	6mm	6mm	51mm	2	56123-M* <i>New</i>
1/2	0.028"	1/4	1/2	1/4	1/4	2	2	56123* ⑤
1/2	0.028"	1/4	1/2	1/4	1/2	2-1/4	2	56146* <i>New</i>
19/32	0.028"	19/64	1/2	19/64	1/4	2-9/64	2	56128
3/4	0.043"	3/8	5/8	3/8	1/4	2	2	56127
3/4	0.043"	3/8	5/8	3/8	1/2	2	2	56129
1	0.035"	1/2	3/4	1/2	1/4	2	2	56144
1	0.035"	1/2	3/4	1/2	1/2	2-3/8	2	56145* <i>New</i>

* Solid carbide.

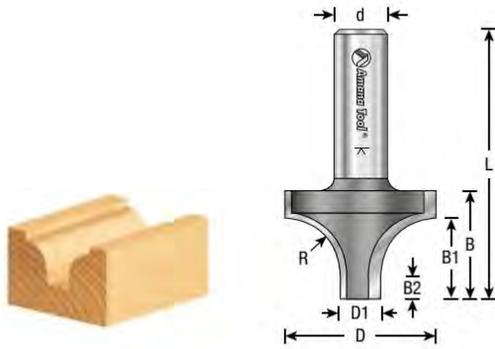
⑤ = 5 packs available. For packs add -5, for example 56125-5.

CNC feed and speed available online



Use Tool #56125 with
Tongue & Groove Assembly #55400 on page 205.





ROUND OVER GROOVE

Carbide Tipped • 2 Flute

This bit creates a flat-bottom groove between two quarter-round shapes.

Short vertical walls extending below the radius lend extra depth to the appearance.

Depending upon the cut depth adjustment, the radii can be flush with the work surface or recessed. The profile can be formed on an edge using an edge guide or, on the router table using a fence.

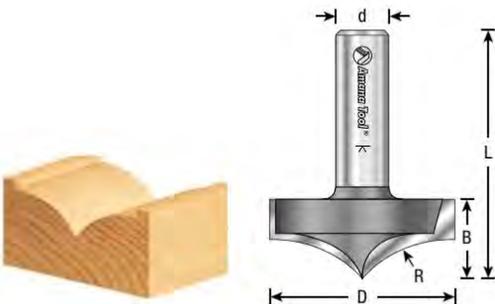
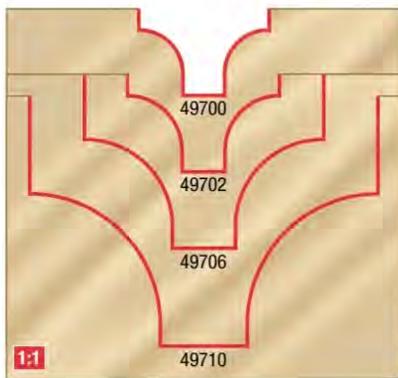


ØD	ØD1	R	B	B1	B2	Ød	L	Tool No.
3/8	1/8	1/8	1/2	1/4	1/8	1/4	1-3/4	49694
5/8	1/4	3/16	5/16	1/8	—	1/4	1-3/4	49696
5/8	1/4	3/16	1/2	3/16	1/64	1/2	2-1/32	49701
3/4	1/4	1/4	31/64	23/64	7/64	1/4	1-39/64	49703
3/4	1/4	1/4	1/2	3/8	7/64	1/2	2	49700
7/8	1/4	5/16	9/16	7/16	1/8	1/2	2-1/16	49702
7/8	15/32	1/8	1-7/32	1-3/32	63/64	1/2	2-23/32	49720 *
1	1/4	3/8	5/8	15/32	7/64	1/2	2-1/8	49704
1	1/2	3/16	1-3/32	13/16	5/8	1/2	2-5/8	49705 <i>Now</i>
1-3/8	3/8	1/2	3/4	5/8	1/8	1/2	2-1/4	49721
1-3/8	3/8	1/2	1	3/4	1/4	1/2	2-1/2	49706
1-3/4	1/2	5/8	1-1/4	1	3/8	1/2	2-3/4	49708 ♦ ▲ ¹⁴
2	1/2	3/4	1-13/32	1-1/8	3/8	1/2	2-29/32	49710 ♦ ▲ ¹⁴

▲ **Warning:** Maximum RPM ▲¹⁴=14,000

♦ Use in a table-mounted router. **Not for use in a handheld router!**

* Elongated plunge.



ROUND OVER GROOVE

Carbide Tipped • 2 Flute • Plunge Ovolo Router Bits

Route decorative grooves on solid wood or MDF panels and surfaces with a handheld or CNC router. Form edges using an edge guide.



ØD	R	R1	B	Ød	L	Tool No.
1-3/4	23/32	—	23/32	1/2	2-3/16	49570



BEADING GROOVE

Carbide Tipped • 2 Flute

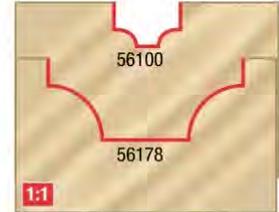
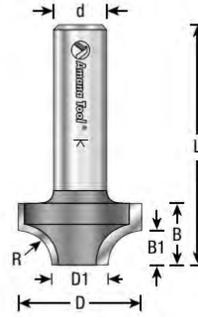
Quarter-round profiles are formed by this bit as it grooves, one on each side of a flat. The scale and depth of the beading profile distinguishes it from the round over on page 142. Used with a fence or edge guide, this beading bit can be used as an edge former.



ØD	ØD1	R	B	B1	Ød	L	Tool No.
25/64	1/8	3/32	23/64	1/8	1/4	1-29/32	56100
1/2	1/4	1/8	3/8	1/8	1/4	1-7/8	56170
1-1/8	1/2	5/16	9/16	3/8	1/2	2-3/4	56178 ▲ ¹⁴
1-3/8	3/8	1/2	3/4	5/8	1/2	2-1/4	56177 ▲ ¹⁴

▲ **Warning:** Maximum RPM ▲¹⁴ = 14,000

◆ Use in a table-mounted router. **Not for use in a handheld router!**



OGEE GROOVE

Carbide Tipped • 2 Flute

Rout a flat-bottom groove with ogee shoulders. Decorate any solid wood surface using a handheld or CNC router.



ØD	ØD1	R	B	Ød	L	Tool No.
1/2	.157	5/64	3/8	1/4	2	56122
3/4	.256	9/64	1/2	1/2	2-3/4	56118



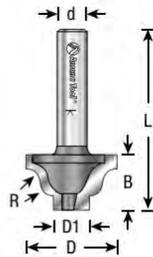
OGEE GROOVE

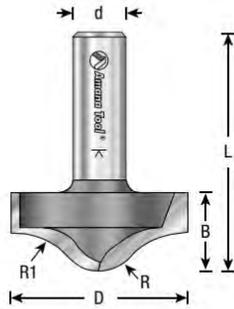
Carbide Tipped • 2 Flute

This bit is similar to the ogee groove bits above, but forms a flat-bottom groove with a reverse ogee and step profile for the shoulders.



ØD	ØD1	R	B	Ød	L	Tool No.
13/16	5/16	1/8	33/64	1/4	1-49/64	56200





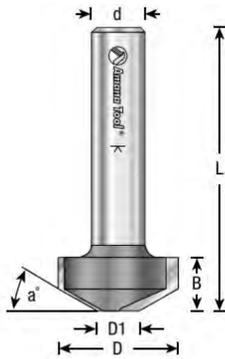
ROUND & OGEE GROOVE

Carbide Tipped • 2 Flute

Rout decorative grooves on solid wood or MDF panels and surfaces with a handheld or CNC router. Form edges using an edge guide.



$\varnothing D$	R	R1	B	$\varnothing d$	L	Tool No.
1-5/8	3/8	3/4	23/32	1/2	2-3/16	49232



RAISED PANEL GROOVE

Carbide Tipped • 2 Flute

Rout decorative grooves on solid wood or MDF panels and surfaces with a handheld or CNC router. Form edges using an edge guide.



$\varnothing D$	$\varnothing D1$	a°	B	$\varnothing d$	L	Tool No.
1-1/8	.454	30°	1/2	1/2	2-3/4	56116



CHAMFER

Carbide Tipped • 2, 3 & 4 Flute with Ball Bearing Guide

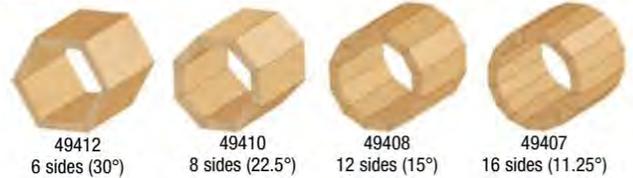
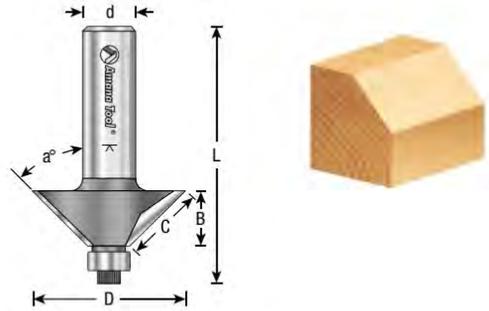
Chamfer or bevel edges for decorative effect or to form edge miter joints. Produce crisp, uniform edges at accurate angles to make 4-, 6-, 8-, 12-, or 16-sided boxes. For best results use in a router table.

Excellent For Cutting:

- Acrylic
- Laminate
- MDF/HDF
- Melamine
- Wood
- Plywood



a°	ØD	B	C	Ød	L	Flutes	Tool No.
45°	1	5/16	7/16	1/4	2	2	49401
45°	1-1/4	1/2	5/8	1/4	2	2	49400 ⑤
45°	1-1/4	1/2	5/8	1/2	2-3/8	2	49402 ⑤
45°	1-3/8	7/16	5/8	1/2	2-1/2	2	49403
45°	1-31/32	3/4	1-1/16	1/2	2-23/32	2	49404 ♦ *
45°	2-3/8	1	1-3/8	1/2	2-7/8	2	49406 ▲ ¹⁸ ♦ †
45°	3	1-1/16	1-3/8	1/2	3-1/2	2	49405 ▲ ¹⁸ ♦
11-1/4°	7/8	1	1	1/2	2-7/8	2	49407
15°	7/8	3/4	25/32	1/4	2-1/4	2	49408
22-1/2°	1-1/4	15/16	7/8	1/2	2-7/8	2	49410
30°	1-3/8	13/16	7/8	1/4	2-1/4	2	49412
30°	1-3/8	13/16	7/8	1/2	2-3/4	2	49414
60°	1-1/2	5/8	9/16	1/2	2-5/8	2	49420
60°	2-1/2	5/8	1-5/32	1/2	2-63/64	2	49416 ▲ ¹⁶ ♦
45°	1-19/64	7/16	5/8	1/4	2	3	47306
45°	1-19/64	7/16	5/8	1/2	2-3/8	3	47308
45°	1-3/4	3/4	3/4	1/2	2-13/16	4	47309



Replacement bearings: #49400, 49401 & 49402 use #47704. #47309 use #47712.

#49405 use #47710. All other tools use #47706.

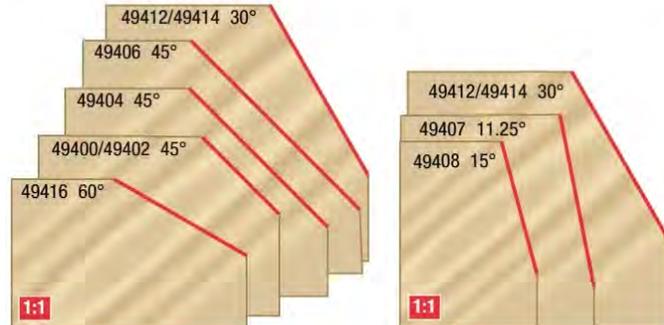
* 49404 will completely chamfer 3/4" material.

† 49406 will completely chamfer 1" material.

▲ Warning: Maximum RPM ▲¹⁶ = 16,000; ▲¹⁸ = 18,000

♦ Use in a table-mounted router. **Not for use in a handheld router!**

⑤ = 5 packs available. For packs add -5, for example 49400-5.



5-PC. CHAMFER

11-1/4°, 15°, 22-1/2°, 30° and 45°

Carbide Tipped Router Bit Collection

Chamfer or bevel edges for decorative effect or to form edge miter joints. Produce crisp, uniform edges at accurate angles to make 4-, 6-, 8-, 12-, or 16-sided boxes. For best results use in a router table.

Excellent For Cutting:

- Acrylic
- Laminate
- MDF/HDF
- Melamine
- Wood
- Plywood



Sets

5-Pc Set includes the following Chamfer: 11-1/4°, 15°, 22-1/2°, 30° & 45° **AMS-184**



Set #AMS-184 Includes:

49402, 49407, 49408, 49410, 49414 & RB-116*

* Router Collet Reducer 1/2 to 1/4 Dia



IN BEVEL™

INSERT CARBIDE ADJUSTABLE CHAMFER SYSTEM

For CNC, Handheld & Router Tables

Knives have two cutting edges that allow users to rotate the knife when one side becomes dull. Suitable for producing chamfer, rabbet, bevel and spoilboard cuts at various angles in softwood, hardwood and man-made boards.

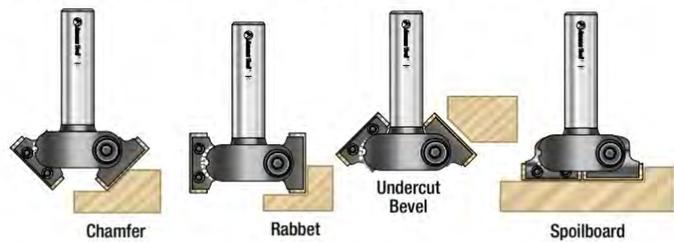
Cutting angle can be adjusted in 15° steps by using a notched scale. Good for use in CNC machine, handheld router and router table machines.

Insert knives are coated for longer cutting life.

Excellent For Cutting:

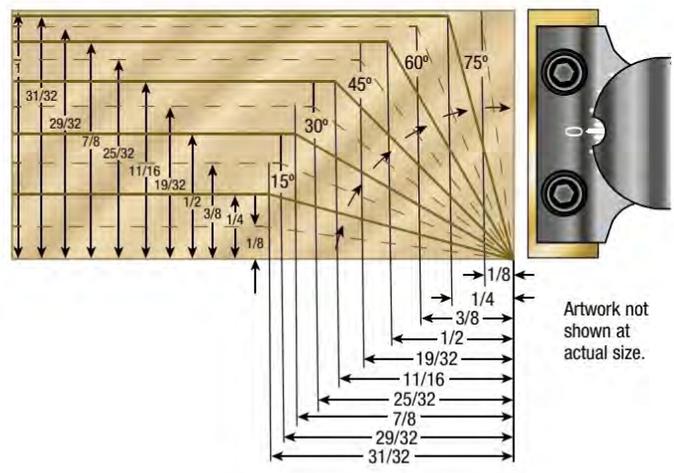
- Man-Made Boards
- Plastic/Acrylic
- Softwood/Hardwood
- Laminate
- MDF/HDFH
- Melamine
- Plywood
- Ultra-High-Molecular-Weight Polyethylene (UHMWPE)

Most popular uses of InBevel™ adjustable insert router bit:



ØD	ØD1	ØD2	B	Angle	Ød	L	Max RPM	Tool No.
2	25mm	11.5mm	31/32	-45° to +90°	1/2	2-13/16	16,000	RC-2375

Replacement knife: RCK-460 (2). Optional carbide grade knife, optimal for MDF #RCK-462 (2)
 Replacement screws #67133.



CNC INSERT CARBIDE ADJUSTABLE CHAMFER

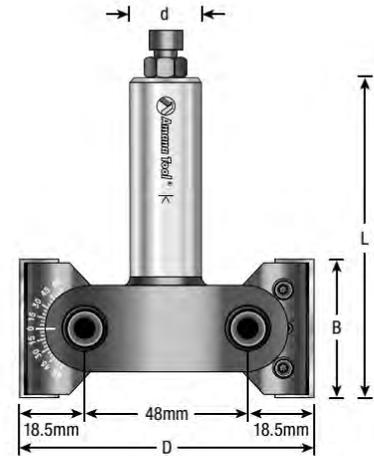
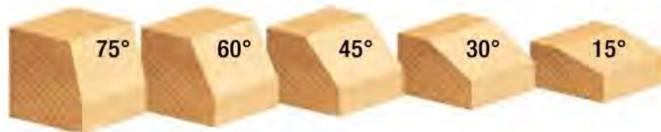
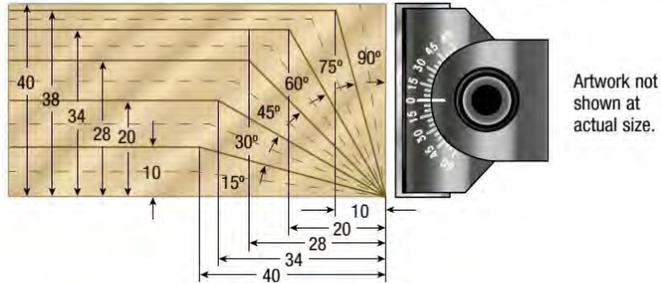
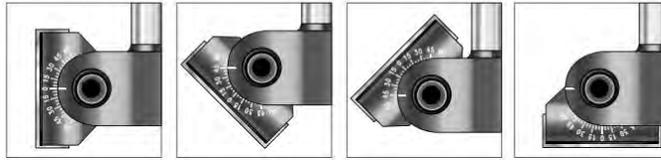
Insert router bit complete with two cutting flutes. Suitable for producing chamfer cuts at various angles in softwood, hardwood and man-made boards. Cutting angle can be adjusted in 7.5° steps by using a notched scale.

Fine adjustment of 1° is also possible. For use on routers and machining centers with CNC control.



Excellent For Cutting:

- Acrylic
- Laminate
- MDF/HDF
- Melamine
- Wood
- Plywood



ØD	B	Angle	Ød	L	Repl. Knife	Tool No.
85mm(3-3/8)	40mm(1-1/2)	-45° to +90°	3/4	100mm(4)	RCK-40 (2)	RC-2370

▲ Warning: Maximum RPM ▲_{v2} = 12,000
Replacement screws use #67183.

VARIABLE DOUBLE CHAMFER ASSEMBLY

Carbide Tipped • 3-Wing with Ball Bearing Guide

Chamfer both corners of an edge in one pass with this assembly. Switch from 30° or 45° chamfers by switching cutter positions on the arbor. Interchangeable spacers adjust assembly to accommodate different stock thicknesses. The assembly includes the arbor, a pair of multi-angle cutters, pilot bearing, spacers and shims.

Excellent For Cutting:

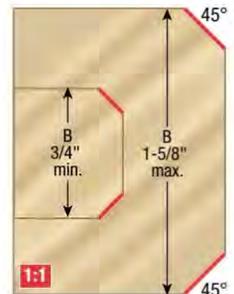
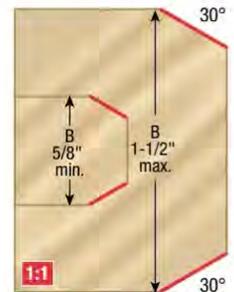
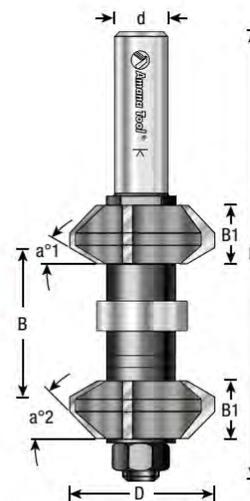
- Acrylic
- Laminate
- MDF/HDF
- Melamine
- Wood
- Plywood

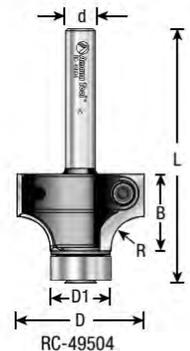
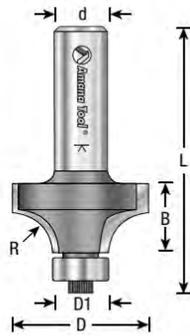


ØD	a°1	a°2	B	B1	Ød	L	Tool No.
1-3/8	30°	45°	5/8 to 1-5/8	9/16	1/2	4-1/4	49730

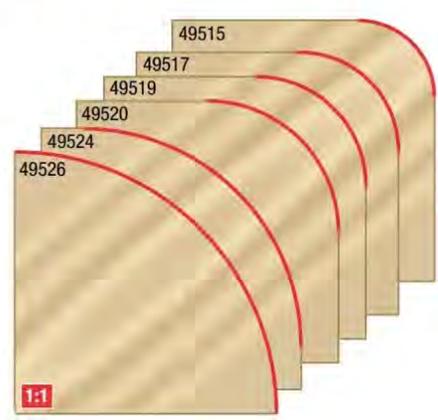
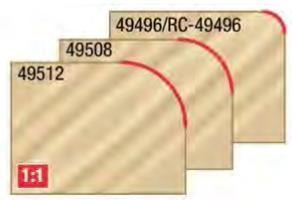
Replacement Parts:

Description	Tool No.
Top Replacement Cutter (R/H)	49732
Ball Bearing Guide, 5/16 x .865	47708
1/2" Shank Arbor With Nut	47618
6mm Spacer (2 required)	55368
0.5mm Shims (1 required)	55404
0.1mm Shims (4 required)	55357
1.0mm Black Washer (4 required)	55402





- Excellent For Cutting:**
- Acrylic
 - Laminate
 - MDF/HDF
 - Melamine
 - Plywood
 - Wood



CORNER ROUNDING

Carbide Tipped • 2 Flute with Ball Bearing Guide

The basic edge-forming bit, the corner-rounding bit rounds an edge to a given radius. The tool is shouldered to cut a fillet. The cut can be used to ease edges, as a simple profile, or as a part of a complex one. If a smaller pilot bearing is used, a second shoulder can be produced, in effect making the bit a beading bit.

For sets see page 150.



ØD	ØD1	R	B	Ød	L	Tool No.
5/16	3/16	1/16	5/16	1/4	1-13/16	MRR108 **
3/8	3/16	3/32	3/8	1/4	1-13/16	MR0110 **
7/16	3/16	1/8	3/8	1/4	1-13/16	MR0112 **
1/2	3/16	5/32	3/8	1/4	1-13/16	MR0114 **
9/16	3/16	3/16	3/8	1/4	1-13/16	MRR110 **
5/8	1/2	1/16	5/16	1/4	1-3/4	49492 ⑤
5/8	1/2	1/16	5/16	1/2	2-1/4	49494
11/16	3/16	1/4	13/32	1/4	1-7/8	MRR112 **
3/4	1/2	1/8	3/8	1/4	2	49496 ⑤
3/4	1/4	1/4	1/2	1/4	1-7/8	49505
3/4	1/2	1/8	3/8	1/2	2-5/16	49498
13/16	1/2	5/32	3/8	1/4	2	49499
13/16	1/2	5/32	3/8	1/2	2-1/4	49501
7/8	3/8	1/4	1/2	1/4	1-5/16	49527
7/8	1/2	3/16	1/2	1/4	2	49500 ⑤
7/8	1/2	3/16	1/2	1/2	2-7/16	49502
1	1/4	3/8	5/8	1/4	2	49511
1	1/2	1/8	3/8	1/4	2-3/16	RC-49496 ⑥
1	1/2	1/4	1/2	1/4	2	49504 ⑤
1	1/2	1/4	1/2	1/4	2-1/16	RC-49504 ⑥
1	1/2	1/4	1/2	1/2	2-7/16	49506
1-5/64	1/2	1/16	3/8	1/4	2-3/8	RC-49492 ⑥
1-5/64	1/2	2mm	43/64	1/4	2-13/32	RC-49495 ⑥
1-5/64	1/2	3mm	3/8	1/4	2-3/8	RC-49497 ⑥
1-1/8	3/8	3/8	5/8	1/4	2-1/8	49531
1-1/8	1/2	5/16	1/2	1/4	2-1/16	49508
1-1/8	1/2	5/16	1/2	1/2	2-7/16	49510
1-1/4	1/2	3/8	5/8	1/4	2-3/16	49512
1-1/4	1/2	3/8	5/8	1/2	2-9/16	49514
1-3/8	1/2	7/16	5/8	1/2	2-9/16	49515
1-1/2	1/2	1/2	3/4	1/4	2-1/4	49516
1-1/2	1/2	1/2	3/4	1/2	2-5/8	49518
1-5/8	1/2	9/16	3/4	1/2	2-5/8	49517
1-3/4	1/2	5/8	7/8	1/2	2-3/4	49519 ▲ ²⁸
2	1/2	3/4	1	1/2	2-7/8	49520 ▲ ²²
2-1/4	1/2	7/8	1-5/32	1/2	3-1/16	49521 ▲ ²²
2-1/2	1/2	1	1-1/4	1/2	3-3/16	49522 ▲ ¹⁶ ♦
2-3/4	1/2	1-1/8	1-3/8	1/2	3-3/4	49523 ▲ ¹⁶ ♦
3	1/2	1-1/4	1-1/2	1/2	3-7/8	49524 ▲ ¹⁶ ♦
3-1/2	1/2	1-1/2	1-3/4	1/2	4-1/8	49526 ▲ ¹⁵ ♦

* Not guaranteed due to extreme diameter and radius. For best results it is recommended to use a smaller radius bit or chamfer the material prior to using these large radius tools. Tool life will be prolonged and a smoother finish will result.

** Miniature with 3/16" ball bearing #47775.

- ⑥ Replacement solid carbide insert knife for RC-49492 #RCK-265 (2 required).
- ⑥ Replacement solid carbide insert knife for RC-49496 #RCK-268 (2 required).
- ⑥ Replacement solid carbide insert knife for RC-49497 #RCK-269 (2 required).
- ⑥ Replacement solid carbide insert knife for RC-49504 #RCK-272 (2 required).

Replacement bearing #47706. Replacement bearing for 49505 & 49511 #47723.

Replacement bearing for 49527 & 49531 #47704.

▲¹⁵ Warning: Maximum RPM ▲¹⁵ = 15,000; ▲¹⁶ = 16,000; ▲¹⁸ = 18,000;

▲²² = 22,000; ▲²⁸ = 28,000

♦ Use in a table-mounted router. **Not for use in a handheld router!**

⑤ = 5 packs available. For packs add -5, for example 49492-5.

4 FLUTE CORNER ROUNDING/BEADING

Carbide Tipped with Ball Bearing Guide

4 flute design for super-smooth finish. The basic edge-forming bit, the corner-rounding bit rounds an edge to a given radius.



Excellent For Cutting:

- Acrylic
- Laminate
- MDF/HDF
- Melamine
- Wood
- Plywood

ØD	ØD1	R	B	Ød	L	Tool No.
7/8	5/8	1/8	7/16	1/4	1-15/16	49544
1	5/8	3/16	1/2	1/4	2	49546
1-1/8	5/8	1/4	7/16	1/4	2-9/16	49547
1-1/8	5/8	1/4	7/16	1/2	2-9/16	49541
1-3/8	5/8	3/8	5/8	1/4	2-11/16	49548
1-3/8	5/8	3/8	5/8	1/2	2-11/16	49543
1-5/8	5/8	1/2	11/16	1/4	2-3/4	49549
1-5/8	5/8	1/2	11/16	1/2	2-3/4	49545



4 FLUTE CORNER ROUNDING/BEADING New

Carbide Tipped with Ball Bearing Guide

The 4 flute for super-smooth finish and down-shear design has advantages for better surface finish especially on laminated materials. The corner-rounding bit rounds an edge to a given radius.



Excellent For Cutting:

- Acrylic
- Laminate
- MDF/HDF
- Melamine
- Wood
- Plywood

ØD	ØD1	R	B	Ød	L	Tool No.
1-1/8	5/8	1/4	7/16	1/4	2-3/32	49582
1-5/8	5/8	1/2	11/16	1/2	23/4	49587



Replacement bearing #47712. Replacement screw # 67109.

BEADING

Carbide Tipped • 2 Flute with 3/8" Diameter Ball Bearing Guide

Cut a quarter-round shape bounded by fillets, known as a bead, in one pass by this bit. The width of one fillet is set by the pilot bearing size, while the other is controlled by the depth of cut. A beading bit can be transformed into a corner rounding bit by changing the bearing (and vice versa).



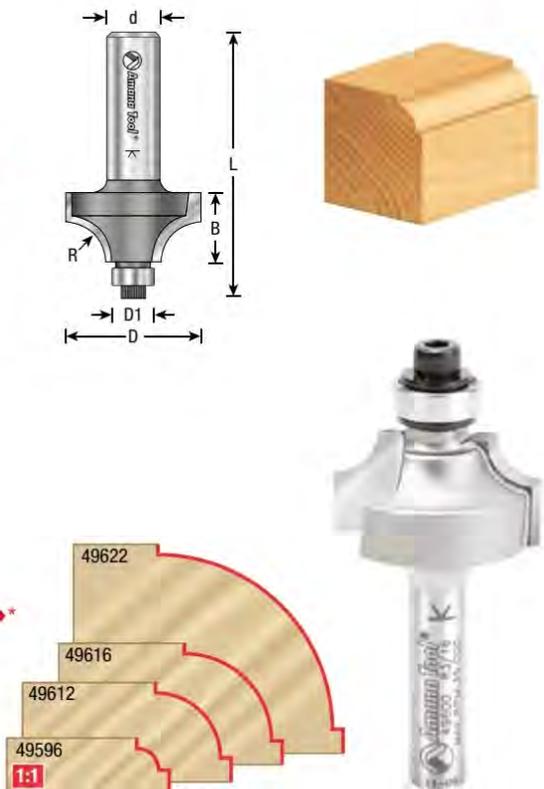
ØD	ØD1	R	B	Ød	L	Tool No.
5/8	3/8	1/16	5/16	1/4	1-3/4	49592
3/4	3/8	1/8	3/8	1/4	2	49596
3/4	3/8	1/8	3/8	1/2	2-5/16	49598
7/8	3/8	3/16	1/2	1/4	2	49600
1	3/8	1/4	1/2	1/4	2	49604
1	3/8	1/4	1/2	1/2	2-7/16	49606
1-1/8	3/8	5/16	1/2	1/4	2-1/16	49608
1-1/8	3/8	5/16	1/2	1/2	2-7/16	49610
1-1/4	3/8	3/8	5/8	1/4	2-3/16	49612
1-1/4	3/8	3/8	5/8	1/2	2-9/16	49614
1-1/2	3/8	1/2	3/4	1/4	2-1/4	49616
1-1/2	3/8	1/2	3/4	1/2	2-5/8	49618
1-3/4	3/8	5/8	7/8	1/2	2-3/4	49619 ²⁸
2-1/2	3/8	1	1-1/4	1/2	3-3/16	49622 ¹⁸ ²⁸ [*]

Replacement bearing #47702.

* Not guaranteed due to extreme diameter and radius. For best results it is recommended to use a smaller radius bit or chamfer the material prior to using these large radius tools. Tool life will be prolonged and a smoother finish will result.

▲ Warning: Maximum RPM ▲¹⁸ = 18,000; ▲²² = 22,000; ▲²⁸ = 28,000

♦ Use in a table-mounted router. Not for use in a handheld router!





AMS-551

CORNER ROUNDING SETS

Carbide Tipped • 2 Flute with Ball Bearing Guide



AMS-550



AMS-555

4-Pc 1/4" Shank Set includes the following radii:
1/4 5/16 3/8 and 1/2

AMS-551*

4-Pc 1/2" Shank Set includes the following radii:
1/4 3/8 1/2 and 3/4

AMS-556*

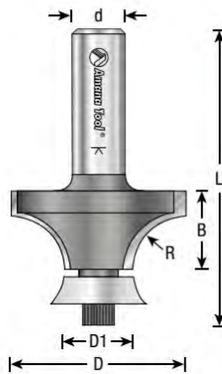
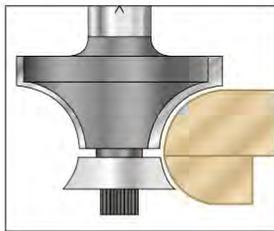
8-Pc 1/4" Shank Set includes the following radii:
1/16 1/8 5/32 3/16 1/4 5/16 3/8 and 1/2

AMS-550

8-Pc 1/2" Shank Set includes the following radii:
1/8 3/16 1/4 5/16 3/8 1/2 5/8 and 3/4

AMS-555

* Includes 4 Steel Ball Bearing Guide 3/8" Dia #47702 and Allen Key #5000



CORNER ROUNDING

Carbide Tipped • 2 Flute with Ultra-Glide™ Radius Bearing

A unique pilot bearing allows you to produce a true 180° bullnose with this corner rounding bit. Unlike a regular square-edge bearing, it follows the radiused surface produced on the first pass. Will neither leave a flat spot nor gouge the edge. Use the (optional) regular 1/4" x 5/8" steel bearing for the first pass.

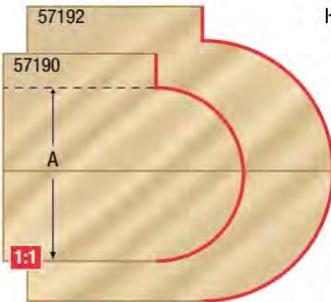
Excellent For Cutting:

- Acrylic
- Laminate
- MDF/HDF
- Melamine
- Wood
- Plywood



ØD	ØD1	A	R	B	Ød	L	Repl. Bearing	Tool No.
1-5/8	5/8	1	1/2	3/4	1/2	2-3/4	47767	57190
2-1/8	5/8	1-1/2	3/4	1	1/2	3	47768	57192

Standard steel 1/4" x 5/8" bearing - use #47712 (order separately).



MATCHING CORNER ROUND/COVE

Carbide Tipped • 2 Flute with Double Ball Bearing Guide

Cut rule joints with a single bit carrying perfectly matched profiles. Switch from the cove to the quarter-round profile simply by changing the extension of the bit. Use in handheld or table-mounted routers.

Excellent For Cutting:

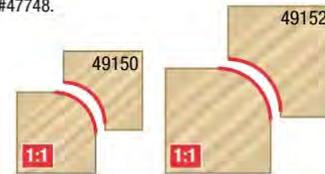
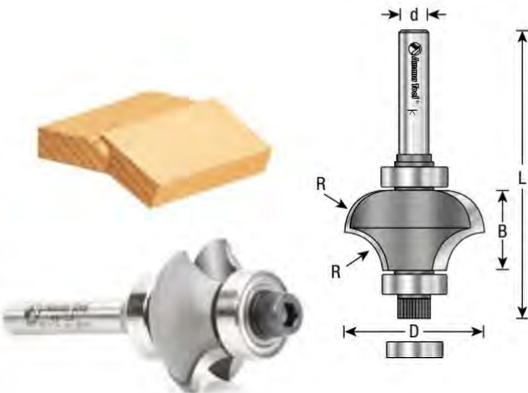
- Acrylic
- Laminate
- MDF/HDF
- Melamine
- Wood
- Plywood



ØD	R	B	Ød	L	Tool No.
1-1/8	1/4	17/32	1/4	2-1/2	49150
1-1/4	5/16	21/32	1/4	2-11/16	49152

Replacement bearings #47712 (2 required).

Replacement snap ring to retain upper bearing #47748.



CORNER ROUNDING 3D

Carbide Tipped • 2 Flute

This is no ordinary corner rounding bit! A guide ring on the bit perimeter coupled with a guide bearing above the profile allows you to round the edges of stock that curves in two planes. Just what's needed for shaping chairs or any furniture that has compound curves.

Excellent For Cutting:

- Acrylic
- Laminate
- MDF/HDF
- Melamine
- Wood
- Plywood



ØD	R	B	Ød	L	Repl. Alum. Ring	Tool No.
1-1/4	15/64	1/4	1/2	3-29/32	47792	49529

Replacement parts:
Bearings #47706 and #47721.
Allen screw #67011.
Lock ring #47739.
Allen key #67165.



BULLNOSE

Carbide Tipped • 2 Flute & 3 Flute (51566 Only)

Shape the full edge of a work-piece with a bullnose radius bit. Ideal for shaping stair treads, window sills, table and counter edges, shelves, and making moldings. The "nose diameter" (M) is the thickness of stock that can be nosed, i.e., given a full 180-degree round over. Flats at top and bottom of the cutting edges create fillets on stock thicker than the nose diameter.

Must be used with an edge guide on handheld routers or the fence on a router table.



'M**	R	B	ØD	Ød	L	Tool No.
5/32	5/64	1/2	17/32	1/4	1-3/4	51540
3/16	3/32	1/2	21/32	1/4	1-5/8	51541
1/4	1/8	9/16	23/32	1/4	1-11/16	51543
9/32	9/64	3/4	21/32	1/4	1-7/8	51544
3/8	3/16	7/8	7/8	1/4	2	51545
1/2	1/4	1	1	1/4	2-1/8	51547
5/32	5/64	1/2	17/32	1/2	2	51550
3/16	3/32	1/2	21/31	1/2	2	51551
7/32	7/64	1/2	19/32	1/2	2	51552
1/4	1/8	9/16	23/32	1/2	2-1/16	51553
9/32	9/64	3/4	21/32	1/2	2-1/4	51554
3/8	3/16	7/8	7/8	1/2	2-3/8	51555
27/64	13/64	3/4	7/8	1/2	2-1/4	51556
1/2	1/4	1	1	1/2	2-1/2	51557
35/64	17/64	1	1-1/32	1/2	2-1/2	51558
5/8	5/16	1	1-1/8	1/2	2-1/2	51559
3/4	3/8	1-27/64	1-3/8	1/2	2-63/64	51560
7/8	7/16	1-1/2	1-1/2	1/2	3	51549
1	1/2	1-9/16	1-11/16	1/2	3-1/16	51562
1-1/8	9/16	1-1/2	1-13/16	1/2	3	51563
1-1/4	5/8	2	2	1/2	3-1/2	51564
1-1/2	3/4	2	2-3/8	1/2	3-1/2	51566 ▲ ¹⁸ ♦ [†]

Sets

8-Pc Carbide Tipped Straight and Bullnose Router Bit Combo Set includes:
51556, 51557, 51559, 51560, 45413, 45418, 45430 & 45438

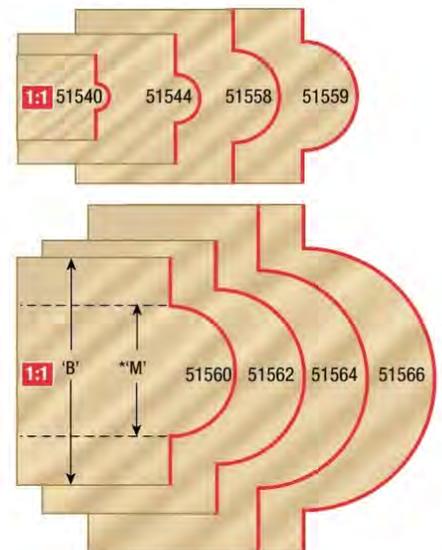
AMS-407

* 'M' denotes thickness of material on which a full 180° round over can be accomplished.

† #51566 is 3 flute (all others are 2 flute).

▲ Warning: Maximum RPM ¹⁸=19,000

♦ Use in a table-mounted router. Not for use in a handheld router!





Use Amana Tool® Allen key #5003 (5/32") to adjust the required length of the shank. Only then, you can tighten the set screw that holds the tool from the side.

3D ADAPTERS FOR ROUTER BITS

These 3D adapters are versatile devices used for making compound curves by inserting the adapter over any 1/4" shank router bit. By making it as an adapter and not a solid tool, the system becomes much more flexible as well as cost effective.

Adapter will fit all tools with up to a 3/4" cutting diameter. The cutting length is adjustable and is limitless to shapes and tools this adapter may be used for.

This 3D system may be useful especially for small objects, artistic works and other delicate projects. May also be used for small jobs with a drill machine (when one does not have a router). In this case, the outer ring, which revolves against the tool, serves as a small "router table". For this application, we recommend a minimum of 3,000 RPM.

#55110 can be used with Miniature Router Bits found on pages 210-211 as well as tool #49492 and #49496.



ØD	ØD1	B	Ød	L	Tool No.
1-1/16	25/32	1	1/2	3-13/32	55110 ▲18♦

▲ **Warning:** Maximum RPM = 18,000

Each adapter comes with two Allen Keys:
#5009 – 1/8" Allen Key for the screw on the side
#5003 – 5/32" Allen Key

Use to set screw M8 inside the shank of the tool.
This screw makes it easier to adjust the length accurately and safely.

BULLNOSE

Carbide Tipped • 2 Flute with Ball Bearing Guide

Shape the full edge of a work-piece with a bullnose radius bit. Ideal for shaping stair treads, window sills, table and counter edges, shelves, and making moldings. The "nose diameter" (M) is the thickness of stock that can be nosed, i.e., given a full 180-degree round over. Flats at top and bottom of the cutting edges create fillets on stock thicker than the nose diameter. Must be used with an edge guide on handheld routers or the fence on a router table.



'M'*	R	B	ØD	Ød	L	Tool No.
1/8	1/16	1/2	5/8	1/4	2-1/8	51565
3/16	3/32	1/2	11/16	1/4	2-1/8	51567
1/4	1/8	3/4	3/4	1/4	2-3/8	51568
3/8	13/64	3/4	7/8	1/2	2-3/4	51569
3/4	3/8	1-5/16	1-3/8	1/2	3-1/4	51572 ▲20
1	1/2	1-19/32	1-13/16	1/2	3-1/2	51574 ▲18

* 'M' denotes thickness of material on which a full 180° round over can be accomplished.

Replacement bearings:

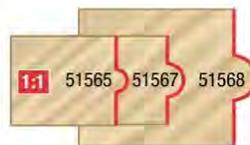
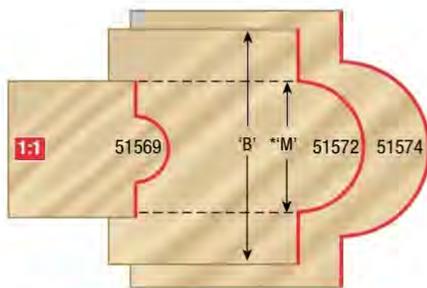
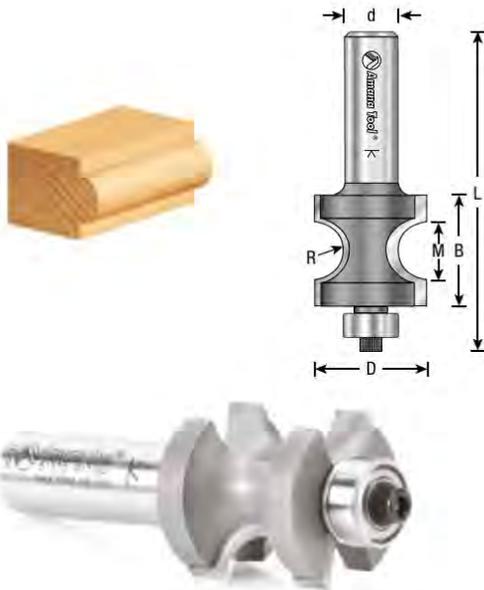
Tool #'s 51565, 51567, 51568, 51569, use #47706.

Tool #51572 use #47716.

Tool #51574 use #47714.

▲ **Warning:** Maximum RPM ▲18 = 18,000; ▲20 = 20,000

♦ Use in a table-mounted router. **Not for use in a handheld router!**



CORNER BEADING

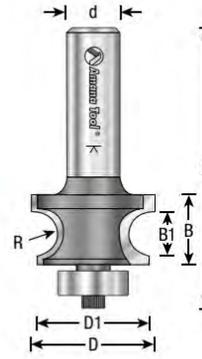
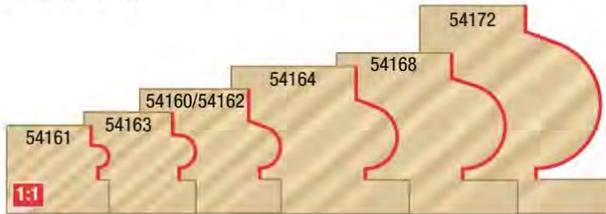
Carbide Tipped • 2 Flute with Ball Bearing Guide

Produce three slightly different profiles using this bit – an edge bead with or without a fillet and a full corner bead – by altering the bit extension or rolling the work-piece between passes. This group of hard-to-find tools is particularly suitable for antique reproductions and restoration projects. Use in a handheld or table-mounted router.



ØD	ØD1	R	B	B1	Ød	L	Tool No.
45/64	5/8	1/16	5/16	1/8	1/4	1-11/16	54161
49/64	11/16	3/32	25/64	3/16	1/4	1-3/4	54163
7/8	3/4	1/8	9/16	9/32	1/4	2-1/8	54160
7/8	3/4	1/8	9/16	9/32	1/2	2-1/2	54162
1-1/8	1	3/16	11/16	13/32	1/4	2-1/4	54164
1-1/8	1	3/16	11/16	13/32	1/2	2-5/8	54166
1-1/4	1-1/8	1/4	23/32	17/32	1/4	2-5/16	54168
1-1/4	1-1/8	1/4	23/32	17/32	1/2	2-11/16	54170
1-1/2	1-3/8	3/8	1	25/32	1/2	2-7/8	54172

Replacement bearing for #54160 – #54163 use #47706.
All other tools use #47716.



COVE & BEAD

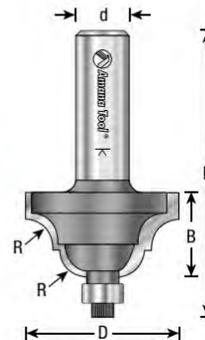
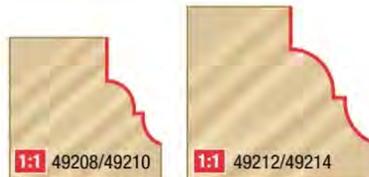
Carbide Tipped • 2 Flute with Ball Bearing Guide

The reverse cove-and-bead bit, which has the cove coming off the bearing, produces the reverse of the classical cove and bead. Radii of both cove and bead are identical. Use in a handheld or table-mounted router.



ØD	R	B	Ød	L	Tool No.
1	5/32	5/8	1/4	2-1/8	49208
1	5/32	5/8	1/2	2-1/2	49210
1-3/8	1/4	7/8	1/4	2-1/4	49212
1-3/8	1/4	7/8	1/2	2-5/8	49214

Replacement bearing #47704.





CLASSICAL COVE & BEAD

Carbide Tipped • 2 Flute with Ball Bearing Guide

This bead and cove combines the two basic forms, separating them with a fillet. The cove comes off the pilot bearing. Produce a complex profile in a single pass. Use in a handheld or table-mounted router.



ØD	R	R1	B	Ød	L	Tool No.
1-1/4	13/64	5/16	1/2	1/4	2	54102
1-1/4	13/64	5/16	1/2	1/2	2-3/8	54104
1-1/2	7/32	15/64	5/8	1/4	2-1/8	54106
1-1/2	7/32	15/64	5/8	1/2	2-1/2	54108

Replacement bearing #47706.



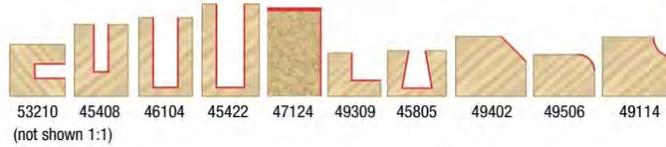
Set #AMS-410

10-PC. WOODWORKERS MUST-HAVE SET

Carbide Tipped and Solid Carbide • Router Bit Set • 1/2" Shank

Excellent For Cutting:

- Softwood/Hardwood
- Veneered Plywood
- MDF/HDF
- Laminate



(not shown 1:1)

10-Pc set includes 53210, 45408, 46104, 45422, 47124, 49309, 45805, 49402, 49506 & 49114

AMS-410

4-PC. COMPACT ROUTER BIT SET *New*

1/4" Shank • Solid Carbide Router Bit Pack

Excellent For Cutting:

- Softwood/Hardwood
- Veneered Plywood
- MDF/HDF
- Laminate



Includes

49401, 47104, 45460 & 49496

Set No.

AMS-553



7-PC. BASIC ROUTER BIT SET *New*

1/4" Shank • Solid Carbide Router Bit Pack

Excellent For Cutting:

- Softwood/Hardwood
- Veneered Plywood
- MDF/HDF
- Laminate



Includes

45208, 45226, 47104, 49400, 49512, 49112 & 49300

Set No.

AMS-402



CLASSICAL COVE & BEAD

Carbide Tipped • 2 Flute with Ball Bearing Guide

The positions of the bead and the cove are reversed on this series of bits, with the bead coming off the bearing. With the optional 3/8" pilot bearing, the bit produces a fillet at the base of the bead. Largest diameter bits should be run at reduced speed.

Use in a handheld or table-mounted router.

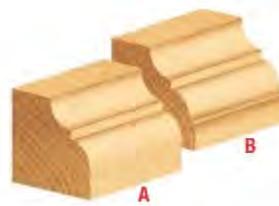
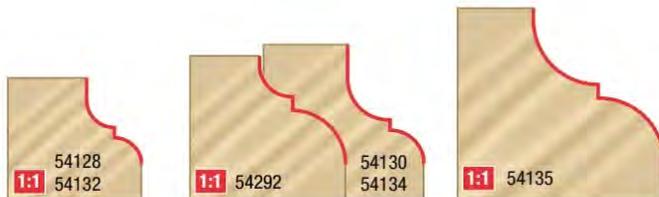
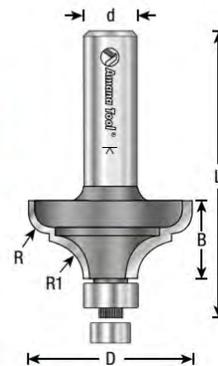


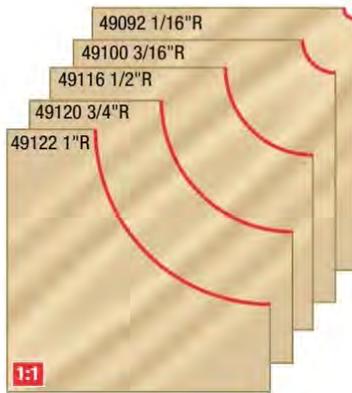
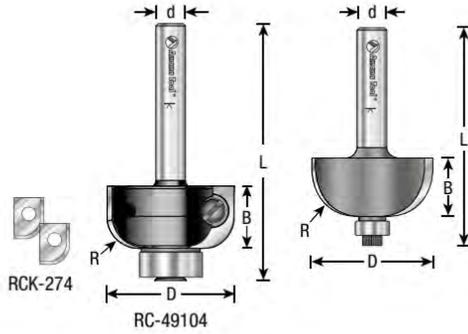
ØD	R	R1	B	Ød	L	Tool No.
1-1/8	5/32	5/32	1/2	1/4	2	54128
1-3/8	1/4	3/16	11/16	1/4	2-3/16	54130
1-1/8	5/32	5/32	1/2	1/2	2-3/8	54132
1-3/8	1/4	3/16	11/16	1/2	2-9/16	54134
1-1/2	3/16	5/16	5/8	1/2	2-1/2	54292
2	3/8	3/8	1	1/2	2-3/4	54135 ^A 18

^A Standard 1/2" bearing #47706 (included).

^B Optional 3/8" bearing #47702 (order separately).

[▲] Warning: Maximum RPM ¹⁸ = 18,000





COVE

Carbide Tipped • 2 Flute with Ball Bearing Guide

The covetto form – produced by the cove bit – is one of the classic building blocks for many molding profiles. Use it alone or in combination with beads and fillets. Use the cove to detail the edges of casework, doors and drawers, posts and columns. The cove also makes up one-half of the rule joint used on drop-leaf tables, the other half is the corner-round.

For best results with a large radius cutter, make a preliminary cut with a smaller radius bit or chamfer the work-piece to reduce the amount of stock to be removed in the finish pass. This will produce a smoother finish and prolong tool life.

The largest diameter bits must be run at reduced speed.

Use in a handheld or table-mounted router.



ØD	R	B	Ød	L	Tool No.
1/2	1/16	1/2	1/4	2	49092
5/8	1/8	1/2	1/4	2	49094
3/4	3/16	9/16	1/4	2	49100
7/8	1/4	9/16	1/4	2	49104
1	1/4	1/2	1/4	2-1/16	RC-49104
1	5/16	9/16	1/4	2-1/8	49108
1	5/16	9/16	1/2	2-3/8	49110
1-1/8	3/8	9/16	1/4	2	49112
1-1/8	3/8	9/16	1/2	2-3/8	49114
1-3/8	1/2	3/4	1/4	2-1/4	49116
1-3/8	1/2	3/4	1/2	2-1/2	49118
1-5/8	5/8	11/16	1/2	2-1/2	49119 ¹⁸
2	3/4	1	1/2	2-7/8	49120 ¹²
2-1/4	7/8	1-1/4	1/2	3-1/8	49121 ¹² ♦
2-1/2	1	1-1/4	1/2	3	49122 ¹² ♦

† Not guaranteed due to extreme diameter & radius. For best results, it is recommended to use a smaller radius bit or chamfer the material prior to using these large radius tools. Tool life will be prolonged and a smoother finish will result.

Replacement bearings: Tool #49120, #49121 & #49122 use #47706.

All other tools use #47704 bearing.

☐ Replacement knife #RCK-274 (2 required).

▲ **Warning:** Maximum RPM ▲¹² = 12,000; ▲¹⁸ = 18,000

♦ Use in a table-mounted router. **Not for use in a handheld router!**

4 Flute

Super-smooth cut finish. Feed rate is reduced, chipping is virtually eliminated.

ØD	R	B	C	Ød	L	Tool No.
1-1/2	3/8	9/16	3/8, 7/16, 1/2 & 9/16	1/2	2-5/8	49130
1-3/4	1/2	5/8	1/2, 9/16, 5/8 & 11/16	1/2	2-13/16	49132

Replacement bearings: 47714(3/4), 47712(5/8), 47701(1/2), 47751(3/8)



4 Flute

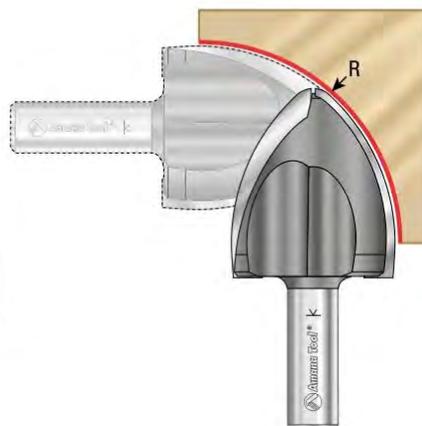
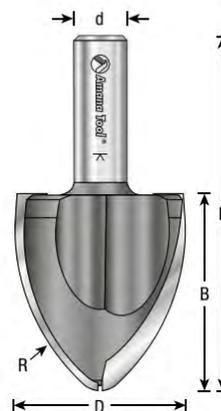
LARGE RADIUS OVOLO

Carbide Tipped • 2 Flute

Now you can make extra-large covers with your router. This bit is perfect for creating beautiful coves for furniture or architectural crown moldings. With this bit you can make large coves in any wood species that you want. You'll never need to purchase cove molding again.



ØD	R	B	Ød	L	Tool No.
2-1/16	2-3/4	2-3/16	1/2	3-13/16	49126



CLASSICAL COVE

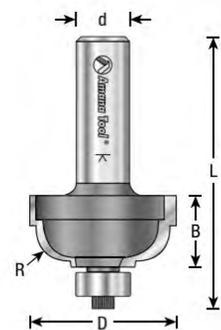
Carbide Tipped • 2 Flute with Ball Bearing Guide

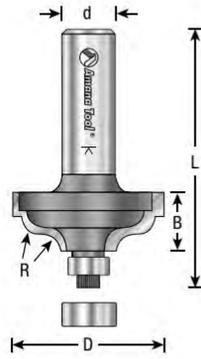
A cove flanked by step fillets, a classical project used in period moldings, is produced by this tool. Use in a handheld or table-mounted router.



ØD	R	B	Ød	L	Tool No.
1-1/8	3/16	1/2	1/4	2	54144
1-3/8	5/16	5/8	1/2	2-1/2	54150

Replacement bearing #47706.





OGEE FILLET

Carbide Tipped • 2 Flute with Ball Bearing Guide

This ogee pattern has a step at the end of the concave portion of the curve. Using the optional 3/8" bearing produces a profile with a fillet at the convex end of the curve. Use in a handheld or table-mounted router.

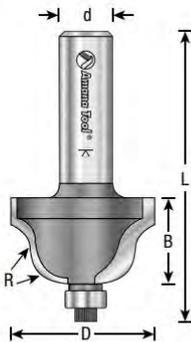
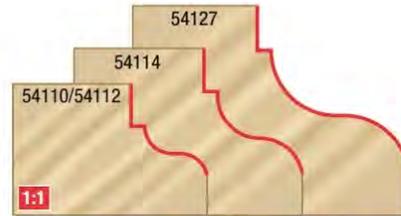
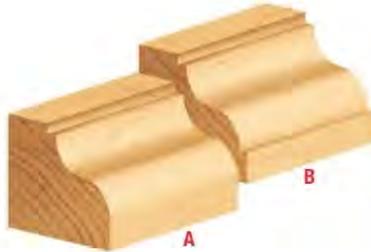


ØD	R	B	Ød	L	Tool No.
1-3/8	5/32	1/2	1/4	2-1/16	54110
1-3/8	5/32	1/2	1/2	2-1/2	54112
1-5/8	1/4	3/4	1/2	2-5/8	54114
2-1/4	3/8	15/16	1/2	2-7/8	54127 ▲ ¹⁸

A Standard 1/2" bearing #47706 (included).

B Optional 3/8" bearing #47702 (order separately).

▲ **Warning:** Maximum RPM ▲¹⁸ = 18,000



ROMAN OGEE

Carbide Tipped • 2 Flute with Ball Bearing Guide

The Roman ogee bit, which has a convex curve coming off the bearing, produces the reverse of the ogee (it isn't an upside-down ogee). The curve starts at the top as a concave, and fairs down into a convex curve. Use in a handheld or table-mounted router.



ØD	R	B	Ød	L	Tool No.
9/16	3/32	5/16	1/4	1-7/8	MR0104 *
1	5/32	5/8	1/4	2-1/8	49200
1	5/32	5/8	1/2	2-1/2	49202
1-3/8	1/4	13/16	1/4	2-1/4	49204
1-3/8	1/4	13/16	1/2	2-5/8	49206
2	3/8	1	1/2	3	49207

* Miniature with 3/16" ball bearing guide #47775.

Replacement bearing for #49207 use #47706.

All others use #47704 bearing.



NOVA SYSTEM™

Multi-Profile Router Cutter System

The Nova System™ provides a wide range of profiling options in a single router bit with replaceable insert solid carbide knives. The innovation is in the bit. The easily replaceable hard carbide blades give a whole range of profile options in a single bit, as well as other vital advantages such as durability, versatility, safety, service-free and cost effectiveness.

TOOL BODY TYPE A (EDGE FORM)

For Edge Form Routing



Description	L	Tool No.
Body A (1/4 Shank)	3	NS-104

EDGE FORM KNIVES FOR BODY A (SOLD AS PAIR)

Corner Round

R	R1	a°	ØD	B	Tool No.
1/8	—	—	1-3/8	11/16	NRC-A03
1/4	—	—	1-3/8	11/16	NRC-A05

Beading

3/16	—	—	1-3/8	11/16	NRC-A08
------	---	---	-------	-------	---------

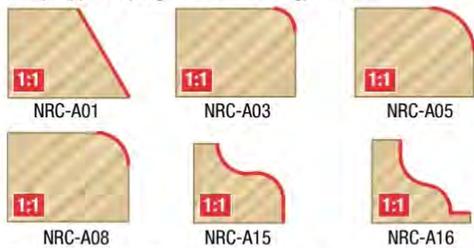
Chamfer

—	—	30°	1-1/2	11/16	NRC-A01
---	---	-----	-------	-------	---------

Ogee

5/32	11/64	—	1-3/8	11/16	NRC-A15
5/32	11/64	—	1-1/2	11/16	NRC-A16

Body Type A (Edge Form Routing) Profiles



Ordering Instructions: Choose the edge form type body 'A' #NS-104 (1/4 shank), then select the desired profile knives listed above.

Replacement parts: Knife retaining screws #67084 (2 required); Hex key #5007; Ball bearing #47714; Hex lock nut #67089.

TOOL BODY TYPE B (PLUNGE)

For Plunge Routing



Description	L	Tool No.
Body B (1/2 Shank)	2-5/8	NS-102

PLUNGE KNIVES FOR BODY B (SOLD AS PAIR)

'V' Groove

R	a°	ØD	B	Tool No.
—	45°	3/8	1/4	NRC-B51

Core Box

1/4	—	1/2	3/8	NRC-B53
-----	---	-----	-----	---------

Body Type B (Plunge Routing) Profiles

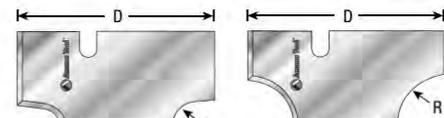
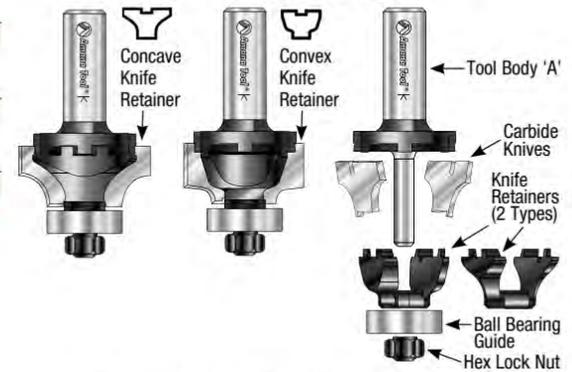


Ordering Instructions: Choose the plunge type body 'B' #NS-102 (1/2 shank), then select the desired profile knives listed above.

Replacement parts: Knife retaining screws #67084 (2 required); Hex key #5007.

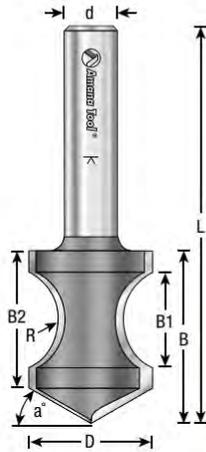


Body type 'A' includes both concave and convex knife retainers and ball bearing guide.



Knives are marked to indicate which retainer is needed.





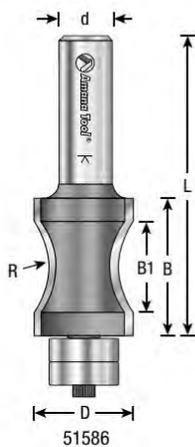
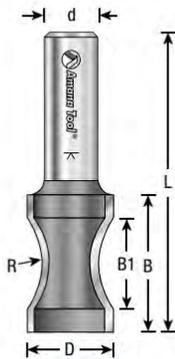
HAND GRIP PLUNGE

Carbide Tipped • 2 Flute

Intended for forming and edging internal hand-holds and cutouts in a single pass, this bit will also cut a soft bullnose on any exposed edge. Use in a CNC or other automatic router. Plunge cuts on router table are not recommended.



ØD	a°	R	B	B1	B2	Ød	L	Tool No.
1-1/8	45°	1/2	1-9/16	7/8	1-1/4	1/2	3-5/8	51590



CONVEX EDGING

Carbide Tipped • 2 Flute with or without Ball Bearing Guide

Cuts a shallow arc – the fingernail shape – rather than a full 180-degree round over. Like the bullnose radius bit, it has short flats above and below the cutter arc, which produce fillets on stock thicker than 7/8". Must be used with an edge guide on handheld routers, or the fence on a router table.



ØD	R	B	B1	Ød	L	Tool No.
13/16	23/32	1-1/4	27/32	1/4	2-1/2	51580
13/16	23/32	1-1/4	27/32	1/2	2-3/4	51582
29/32	23/32	1-1/4	27/32	1/2	2-3/4	51586 †

Cuts a shallow radius ('thumbnail' shape) on board edges.

* Replacement bearing for #51586 use (2) #47712. Replacement screw #67096.

Replacement key #5000.

† Not for use in CNC machines.



CLASSICAL MOLDING

Carbide Tipped • 2 Flute with Ball Bearing Guide

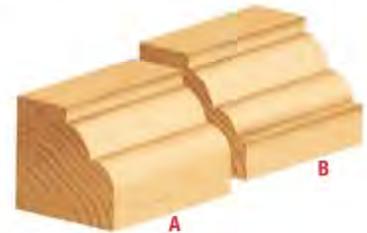
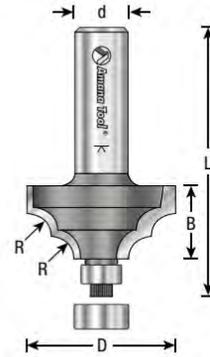
A double quarter-round profile is produced by this tool. The depth-of-cut setting determines whether or not a fillet is formed at the top. Switching from the standard pilot bearing to the optional 3/8" bearing introduces a fillet at the bottom of the profile. Use in a handheld or table-mounted router.



ØD	R	B	Ød	L	Tool No.
1-1/8	5/32	1/2	1/4	2	54136
1-3/8	7/32	11/16	1/4	2-3/16	54138
1-1/8	5/32	1/2	1/2	2-3/8	54140
1-3/8	7/32	11/16	1/2	2-9/16	54142

A Standard 1/2" bearing #47706 (included).

B Optional 3/8" bearing #47702 (order separately).



WAVY EDGE

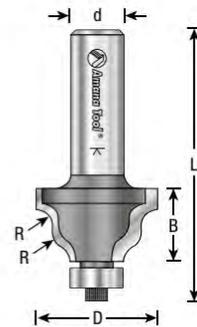
Carbide Tipped • 2 Flute with Ball Bearing Guide

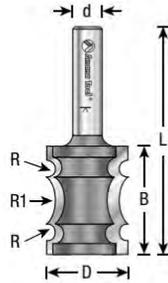
This bit produces an undulating curve with two convex forms flanking a concave form. All the radii are equal. A shoulder on the cutter can form a fillet, depending upon the depth-of-cut setting. Use in a handheld or table-mounted router.



ØD	R	B	Ød	L	Tool No.
1-1/4	5/32	11/16	1/4	2-1/4	54180
1-1/4	5/32	11/16	1/2	2-5/8	54182

Replacement bearing #47706.





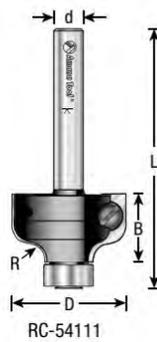
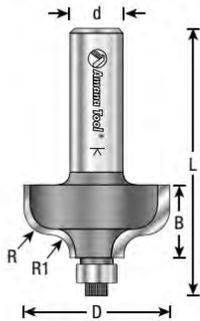
REED EDGE

Carbide Tipped • 2 Flute

Produces a thumbnail flanked by full beads, an elegant edge profile. Must be used with an edge guide or router-table fence to control the cut. For stock between 3/4" and 1" thick.



ØD	R	R1	B	Ød	L	Tool No.
3/4	5/64	15/64	1	1/4	2-1/8	54360



OGEE

Carbide Tipped • 2 Flute with Ball Bearing Guide

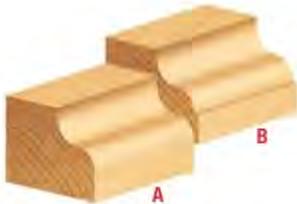
The ogee is one of the basic shapes used in moldings and decorative profiles. An S-shaped curve, it is convex at the top fairing down into a concave (shown inverted). The ogee bit is characterized by the concave shape coming off the pilot bearing. Using the optional 3/8" bearing produces a profile with a fillet at the convex end of the curve. Use in a handheld or table-mounted router.



ØD	R	R1	B	Ød	L	Tool No.
1-1/32	1/4	—	1/2	1/4	2-1/16	RC-54111
1-1/8	5/32	5/32	1/2	1/4	2	54120
1-1/8	5/32	5/32	1/2	1/2	2-3/8	54124
1-3/8	1/4	3/16	11/16	1/4	2-3/16	54122
1-3/8	1/4	3/16	11/16	1/2	2-5/8	54126

A Standard 1/2" bearing #47706 (included).

B Optional 3/8" bearing #47702 (order separately).



'LEAF-EDGE' BEADING

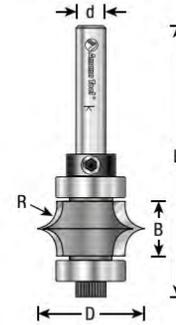
Carbide Tipped • 2 Flute with Ball Bearing Guide

In one pass, this bit forms a round-edged groove near the corner of the workpiece. A second pass on the adjoining face yields a delicate leaf-shaped corner bead. Use in a handheld or table-mounted router.



ØD	R	B	Ød	L	Tool No.
1	3/16	1/2	1/4	2-1/2	54190

Replacement bearings #47712 (2 required).
Replacement collar #47724.



FLUTE & BEAD SET

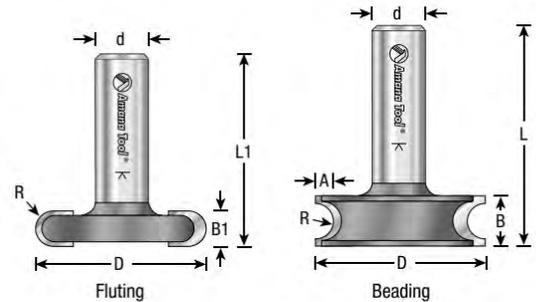
Carbide Tipped • 2 Flute

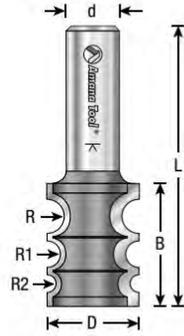
Cut joints for staved assemblies, such as circular planters, canoes, kayaks and hot tubs, with this pair of bits. One bit flutes an edge, and the other forms the mating bead. Use in CNC or table-mounted routers. It will cut plywood, hardwood, softwood and composition materials. For the best and accurate match, we recommend using a table-mounted router.



ØD	A	R	B	B1	Ød	L	L1	Tool No.
1-1/2	1/8	1/8	15/32	1/4	1/2	1-31/32	1-3/4	54176

Set of 2 bits. Not sold separately.





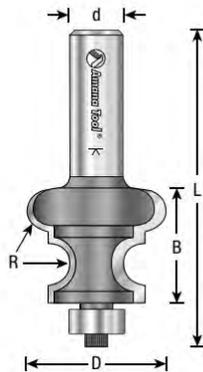
VARIABLE BEADING

Carbide Tipped • 2 Flute

Three different radii of beads are stacked on this one bit. Rout all three on an edge, or use it to nose thin stock. Router-table use recommended for best control, but use in a handheld router is possible. Must be used with an edge guide.



ØD	R	R1	R2	B	Ød	L	Tool No.
7/8	9/64	7/64	1/16	1-1/16	1/2	2-5/8	54216



MATCHED BEAD

Carbide Tipped • 2 Flute with Ball Bearing Guide

This dual purpose bit produces both moldings and joints. Use in place of matched flute-and-bead bit sets to mill the edges of strips used in various stave constructions like planters, canoes and hot tubs. Switch from fluting to beading by raising or lowering the bit. Pilot bearing allows use for template-guided cuts. Recommended for router table use; smaller sizes can be used with an edge-guide equipped portable router.



ØD	R	B	Ød	L	Tool No.
2	1/4	1-1/4	1/2	3	54188 ¹⁸

Replacement bearing for #54188 use #47716.

Warning: Maximum RPM ¹⁸ = 18,000



EDGE MOLDING

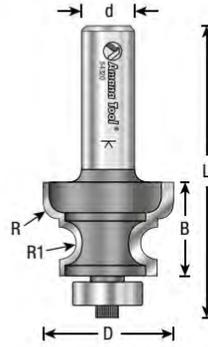
Carbide Tipped • 2 Flute with Ball Bearing Guide

The torus-and-cove profile produced by this bit make an excellent edge detail or molding. The pilot bearing allows you to make template-guided cuts with the bit. Use in a handheld or table-mounted router.



ØD	R	R1	B	Ød	L	Tool No.
1-1/4	5/32	5/32	7/8	1/2	2-3/4	54322
1-9/16	7/32	15/64	1-3/16	1/2	3	54324

Replacement bearing for #54322 use #47706.
Replacement bearing for #54324 use #47712.



MULTI-EDGE BEADING

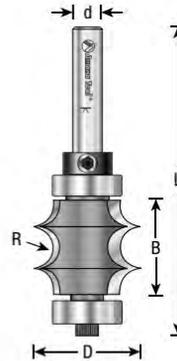
Carbide Tipped • 2 Flute with Double Ball Bearing Guide

Produce beading detail on edges or moldings. Use in a handheld or table-mounted router.



ØD	R	B	Ød	L	Tool No.
1	3/16	7/8	1/4	2-7/8	54296

Replacement parts: Bearings #47712 (2 required); Collar #47724.



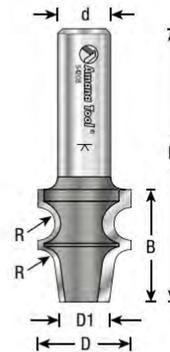
EDGE BEADING

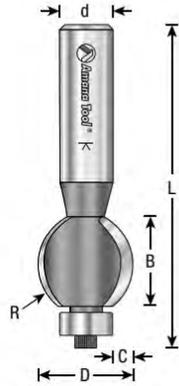
Carbide Tipped • 2 Flute

Similar to the corner bead, but with a radiused, rather than a hard-edged quirk. Since this bit lacks a pilot, it must be used with a fence or edge guide. Use in a handheld or table-mounted router.



ØD	ØD1	R	B	Ød	L	Tool No.
7/8	1/2	5/32	1-1/32	1/2	2-3/4	54208





EDGE FLUTING

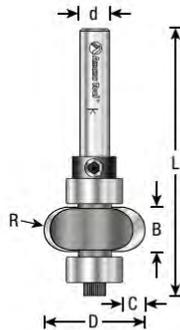
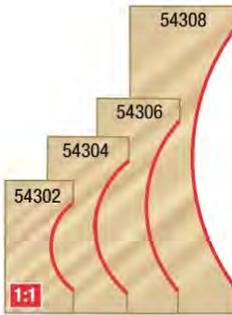
Carbide Tipped • 2 Flute with Ball Bearing Guide

This bit produces a fingernail flute, rather than a full 180° radius flute. Creates an interesting edge detail, and can be used to make small-scale cornice-type moldings. Use in a handheld or a table-mounted router.



ØD	R	B	C	Ød	L	Tool No.
3/4	5/16	1/2	1/8	1/2	2-3/4	54302
7/8	15/32	3/4	3/16	1/2	3	54304
7/8	3/4	1	3/16	1/2	3-1/4	54306
1	1-1/4	1-1/2	1/4	1/2	3-3/4	54308

Replacement bearing #47706.



EDGE-FLUTING ASSEMBLY

Carbide Tipped • 2 Flute with Upper & Lower Ball Bearing Guides

Cut individual flutes – shallow, small-radius grooves – in narrow edges without having to balance a router on that edge. The bit cuts at right angles to the bit axis. Flute depth is controlled by the pilot bearing, the flute's position by the router's bit-height setting. Use in a handheld or table-mounted router.



ØD	R	B	C	Ød	L	Tool No.
3/4	1/8	1/4	1/8	1/4	2-1/4	54330
7/8	3/16	3/8	3/16	1/4	2-3/8	54332

Replacement parts: Bearings #47701 (upper) and #47706 (lower); Collar #47724.



DOUBLE BEADING

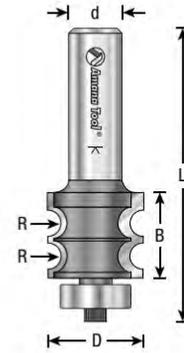
Carbide Tipped • 2 Flute with Ball Bearing Guide

Produce pairs of beads on the edges of shelving or narrow molding strips. Use in a handheld or table-mounted router.



ØD	R	B	Ød	L	Tool No.
7/8	1/8	3/4	1/2	2-5/8	54294

Replacement bearing #47716.



TRIPLE BEADING/FLUTING

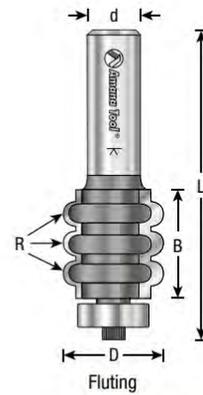
Carbide Tipped • 2 Flute with Ball Bearing Guide

Three uniform beads or flutes are formed in one pass with these bits. Produce reeded or fluted pilasters or table legs referencing opposite faces of the work-piece. Use in a handheld or table-mounted router.

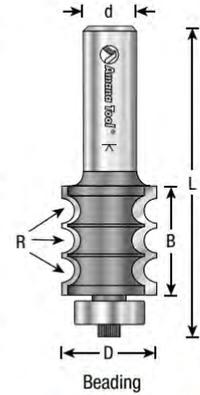


ØD	Type	R	B	Ød	L	Tool No.
7/8	Bead	1/8	1	1/2	2-59/64	54213
7/8	Flute	1/8	1	1/2	3	54217

Replacement bearing #47716.



54217



54211/54213

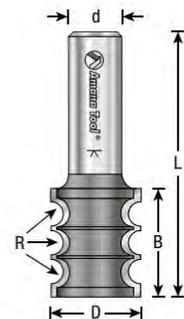
TRIPLE BEADING

Carbide Tipped • 2 Flute

Three uniform beads are formed in one pass with this bit. Use it to produce reeded pilasters or table legs. Must be used with an edge guide or fence. Use in a handheld or table-mounted router.



ØD	Type	R	B	Ød	L	Tool No.
7/8	Bead	1/8	1	1/4	2-1/4	54210
7/8	Bead	1/8	1	1/2	2-3/4	54212



INDUSTRIAL

In-Tech™



IN-TECH™

Insert Carbide • 2 Flute • Industrial Quality

Amana Tool® introduces the in-Tech™ Series insert router bits to provide all woodworkers access to the industrial-grade technology at an affordable price. In-Tech™ router bits are priced comparable to standard router bits but last up to four times longer, saving users money during the life of the tool as knives are replaced rather than the entire tool. Ideal for routing softwood/hardwood and harder materials such as MDF and Chipboard.



Benefits of the in-Tech™ Series include:

- Cutting accuracy remains constant during the life of the insert carbide knife
- Priced comparably to brazed router bits with at least 4 times longer tool life
- Superior cutting quality
- No re-sharpening costs
- Nine popular profile sizes in 1/4" shank
- Harder grade tungsten carbide

**COSTS SIMILAR TO
BRAZED BITS** **4X**
with at least **LONGER TOOL LIFE**

5-Packs Now Available!



RC-45711-5

IN-TECH™

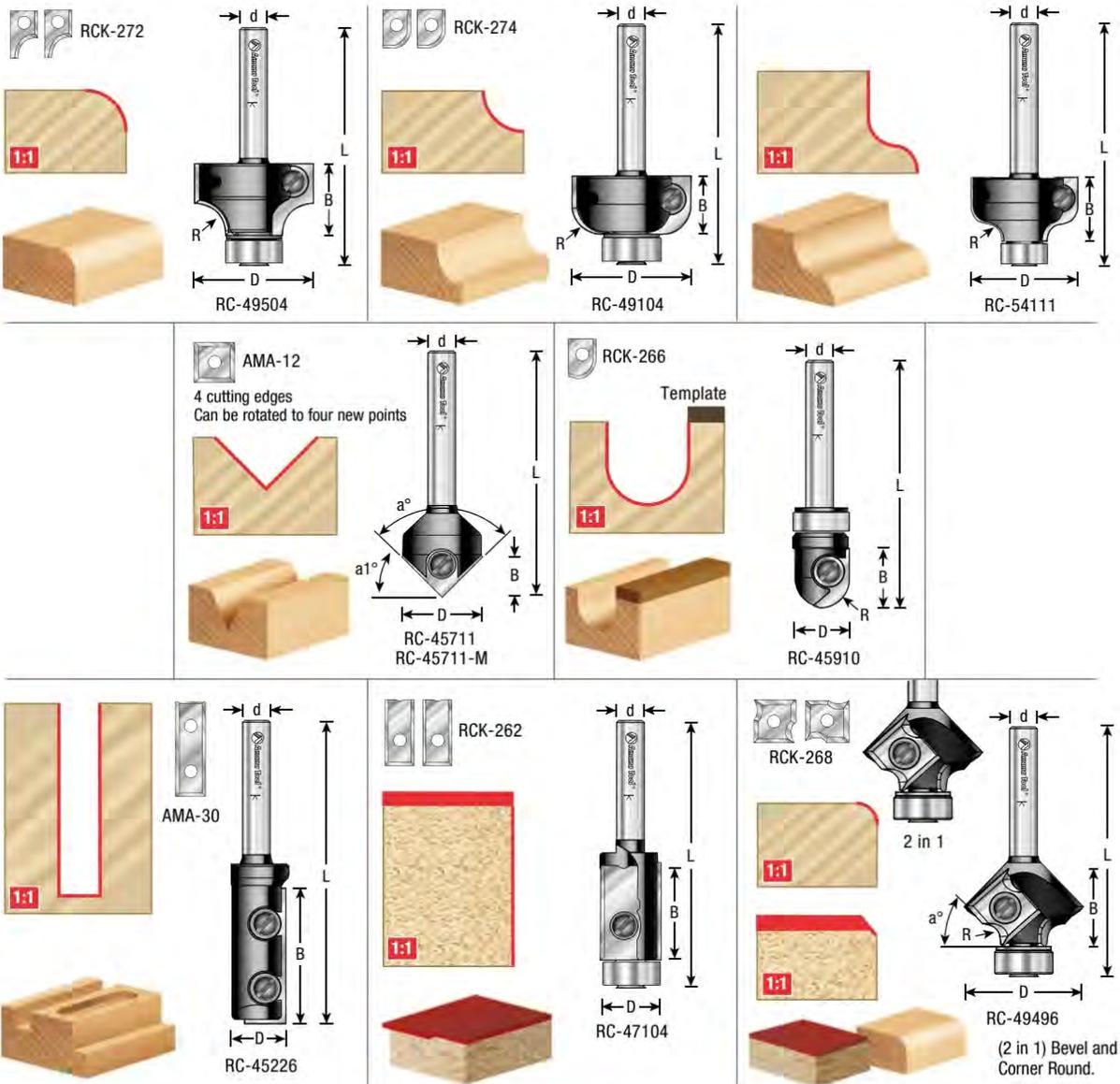
Insert Carbide Knives • 2 Flute • Industrial Quality



Popular insert router bit profiles provide all woodworkers access to the industrial-grade technology, at an affordable price. By replacing worn knives instead of sharpening standard carbide tipped bits, router bit dimensions, cutting quality and accuracy remain constant during the life of the tool. Ideal for routing softwood/hardwood as well as harder materials such as MDF and Chipboard. V-Groove bits excellent for engraving Aluminum.

ØD	R	B	a°	a1°	Ød	L	Description	Flute	Repl. Knives	Repl. BB	Tool No.
1	1/4	1/2	—	—	1/4	2-1/16	Corner Round	2	RCK-272*	47706	RC-49504
1	1/4	1/2	—	—	1/4	2-1/16	Cove	2	RCK-274*	47706	RC-49104
1-1/32	3/16	5/8	—	—	1/4	2-3/8	Ogee Fillet	2	—	47706	RC-54111
1/2	—	20mm	—	—	1/4	2-5/16	Flush Trim	2	RCK-262*	47706	RC-47104
1	1/8	3/8	45°	—	1/4	2-3/16	(2 in 1) Bevel / Round	2	RCK-268*	47706	RC-49496
1-5/64	1/16	3/8	45°	—	1/4	2-3/8	(2 in 1) Bevel / Round	2	RCK-265*	47706	RC-49492
1-5/64	2mm	43/64	45°	—	1/4	2-13/32	(2 in 1) Bevel / Round	2	RCK-267*	47706	RC-49495
1-5/64	3mm	3/8	45°	—	1/4	2-3/8	(2 in 1) Bevel / Round	2	RCK-269*	47706	RC-49497
17.6mm	—	8.5mm	90°	45°	6mm	52mm	V-Groove	1	AMA-12**	—	RC-45711-M† New
11/16	—	21/64	90°	45°	1/4	1-61/64	V-Groove	1	AMA-12**	—	RC-45711 † ⑤
11/16	—	21/64	90°	45°	1/2	2-3/16	V-Groove	1	AMA-12**	—	RC-45712 †
1/2	1/4	1/2	—	—	1/4	2-1/8	Core Box	1	RCK-266	47701	RC-45910
1/2	—	30mm	—	—	1/4	2-5/8	Straight Plunge	1	AMA-30	—	RC-45226 †

* Replacement insert knives sold as a pair, ** Optional MDF Knives: HMA-12, † Also good for use in CNC Machines. ⑤ = 5 packs available #45711-5.



Architectural

INDUSTRIAL Router Bits



BASE MOLDING OGEE EDGE DETAIL

Carbide Tipped • 2 Flute

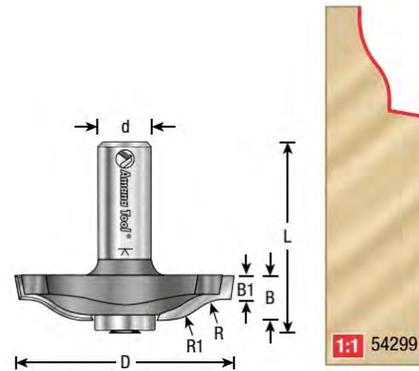
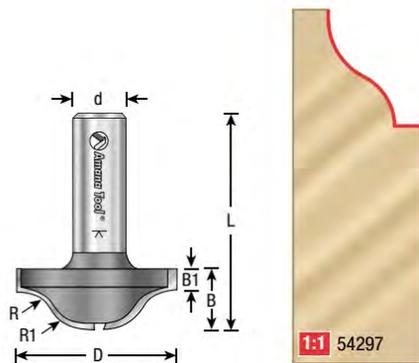
One of the easiest ways to dress up a room is to replace the skimpy base molding with a wide, bold profile. Amana Tool® offers classic ogee profiles in two sizes so that you can choose a size that best fits with the architectural details in the room. For quick easy installation we recommend that you attach the molding to the top of the base. This method greatly simplifies installation by allowing for a butt joint on inside corners.

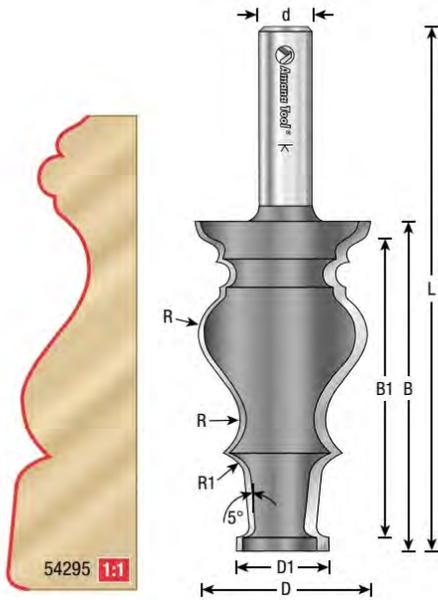


ØD	R	R1	B	B1	Ød	L	Tool No.
1-7/16	5/16	3/8	19/32	1/4	1/2	2	54297
1-53/64	19/64	13/32	3/8	7/32	1/2	2-1/2	54299 *

* Not for use in CNC machines.

Replacement parts: Bearing #47706; Screw #67014.





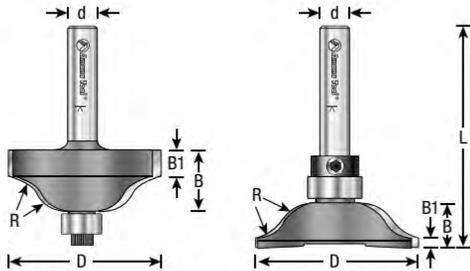
COLONIAL DOOR CASING

Carbide Tipped • 2 Flute

Make your own door and window casing in cherry, oak or any wood species that you prefer. This bit makes beautiful classic colonial window and door trim. You can even make curved window casing – perfect for trimming that Palladian window.



ØD	ØD1	R	R1	B	B1	Ød	L	Tool No.
1-17/32	51/64	3/8	15/64	2-61/64	2-47/64	1/2	4-45/64	54295



WAINSCOT BITS

Carbide Tipped • 2 Flute • 3/4" Material

Add quality and value to your home with wainscot paneling. Make your own wainscot with these wainscot router bit sets. Offering a profile bit for the stile and rail edges, a cope bit for flawless joints at each intersection, and a chair rail bit for a beautiful finishing touch.



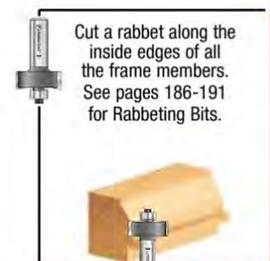
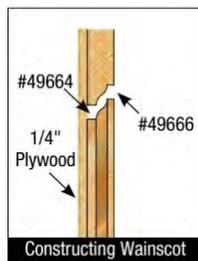
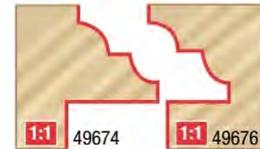
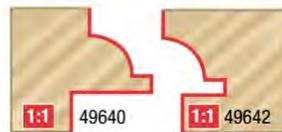
Bead, Bevel, Classic & Ogee Styles

ØD	R	R1	B	B1	Ød	L	Type	Tool No.
1-1/8	1/4	—	3/8	1/4	1/4	2	Bead Stile	49640
1-1/4	1/4	—	5/16	7/64	1/4	2	Bead Rail	49642
1-1/2	11/32	—	9/16	1/4	1/4	2	Ogee Stile	49664
1-9/32	11/32	—	3/8	1/8	1/4	2	Ogee Rail	49666
1-5/16	3/16	—	5/8	7/32	1/4	2	Classical Stile	49674
1-7/16	3/16	—	9/16	1/8	1/4	2	Classical Rail	49676

Replacement bearing for stile cutters #47702 (3/8" diameter).

Replacement bearing for rail cutters #47701 (1/2" diameter).

Replacement collar for rail cutters #47724.



CROWN MOLDING

Carbide Tipped • 2 Flute

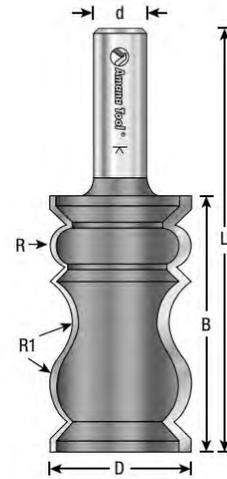
Produce mid-sized crown, cove and bead molding profiles for architectural and furniture applications. The bits cut the profile and bevel, as necessary, which is the show face of the work-piece.



ØD	R	R1	B	Ød	L	Tool No.
1-1/4	3/16	7/16	2-1/4	1/2	3-3/4	54400

Warning: Maximum RPM=22,000

Bevel the top and bottom edges on the table saw to complete the molding. Use a 2+ horsepower router, mounted in a table, with a fence to guide the work. To prolong cutter life, reduce strain on the router. To get the best cut finish, make several passes to achieve full cut depth. Bevel back edges, cutting off 45° excess, with one of our chamfer bits.



REVERSIBLE CROWN MOLDING

Carbide Tipped • 2 Flute

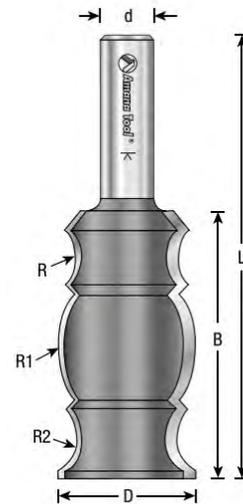
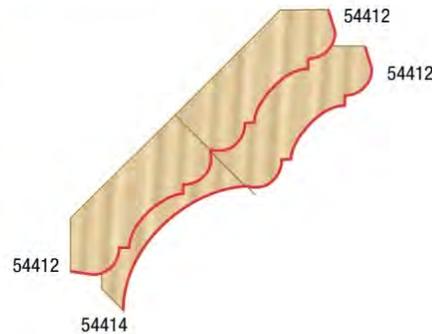
Give your ceilings that finished look!

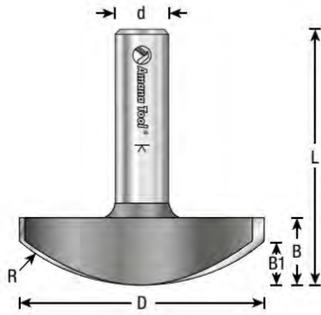
With this bit you can easily make classic crown moldings with your table-mounted router. The beautiful profile is a large cove flanked by round overs. Use your fence to control the cutting depth and a featherboard to keep the stock firmly positioned against the fence. Bevel back edges, cutting off 45° excess with one of our chamfer bits.



ØD	R	R1	R2	B	Ød	L	Tool No.
1-1/4	3/8	7/8	7/16	2-7/16	1/2	4-1/16	54412

Can be used with other Crown Molding Bits to create many different combinations!





HORIZONTAL CROWN MOLDING

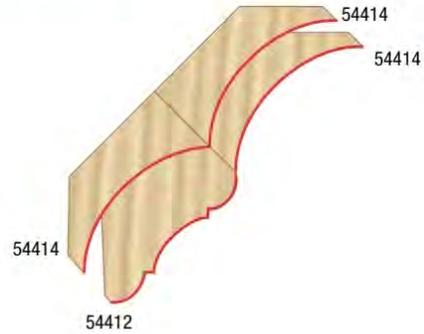
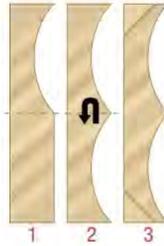
Carbide Tipped • 2 Flute

Now you can make large cove moldings for furniture and trim with your table-mounted router. This unique bit cuts a large, smooth arc; just what is needed to create a cove shaped crown molding for your next piece of furniture casework. Bevel back edges, cutting off 45° excess, with one of our chamfer bits. For even greater versatility, combine this bit with our crown molding profiles on pages 142-143.



ØD	R	B	B1	Ød	L	Tool No.
2-1/4	1-3/4	5/8	13/32	1/2	2-3/8	54414

Can be used with other Crown Molding Bits to create many different combinations!



ARCHITECTURAL MOLDING

Carbide Tipped • 2 Flute with Ball Bearing Guide

These bits are designed for routing architectural and furniture moldings and trim. Almost all have the profile laid out vertically, reducing the diameter of the bit. These bits should be used in a 2+ horsepower, table-mounted router, and many should be run at reduced speed. Although most have ball-bearing guides, guiding the cuts with the fence is recommended.



Type	ØD	R	R1	R2	B	Ød	L	Tool No.
#4	1	1/8	7/8	3/8	1-11/16	1/2	3-1/4	54220 ▲12

Replacement bearing #47706.

▲ **Warning:** Maximum RPM ▲12=12,000



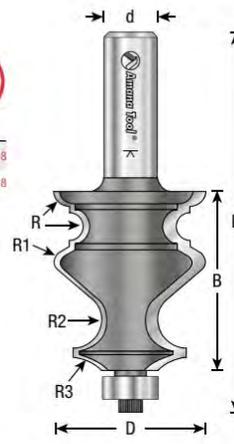
ARCHITECTURAL MOLDING

Carbide Tipped • 2 Flute with Ball Bearing Guide

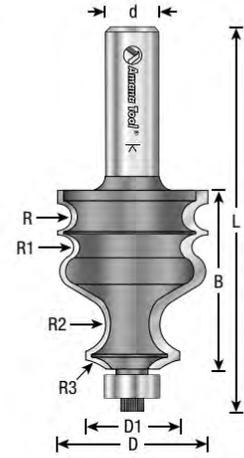
Type	ØD	ØD1	R	R1	R2	R3	B	Ød	L	Tool No.
#8	1-3/8	—	1/8	3/32	1/4	7/16	1-5/8	1/2	3-1/2	54222 ▲ ¹⁸
#9	1-3/8	7/8	1/8	1/16	1/4	7/16	1-5/8	1/2	3-1/2	54224 ▲ ¹⁸

Replacement bearing #47706.

▲ **Warning:** Maximum RPM=18,000



Type #8



Type #9



1:1 54222



1:1 54224

FOR IMPROVED SURFACE FINISH

3 & 4 FLUTE ROUTER BITS

A Comprehensive Selection of Unique Tools

More cutters / flutes results in better surface finish & longer tool life! Eliminates the time-consuming hand-filing and sanding that normally follows routing with 2 fluted tools in hard materials.



4 FLUTE

49352
See page 190



4 FLUTE

49545
See page 149



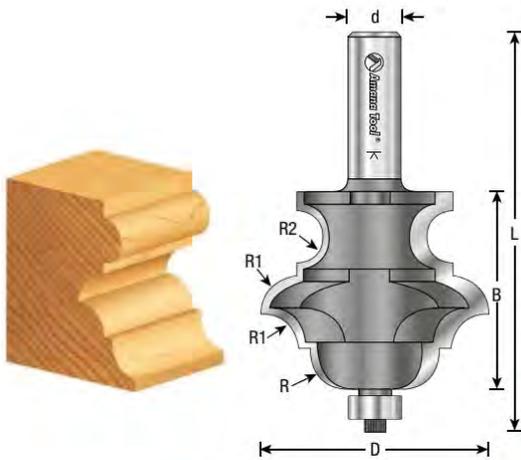
4 FLUTE

49130
See page 156



3 FLUTE

45463-3DS
See page 121



MULTI-FORM

Carbide Tipped • 2 Flute with Ball Bearing Guide

This one bit is designed to cut more than 40 different molding patterns. By making simple adjustments to the cutter height and fence position, and making two or more passes, you can produce a wide variety of profiles and architectural details.

Use the bit only in a table-mounted router. Available with 1/2" shank only.

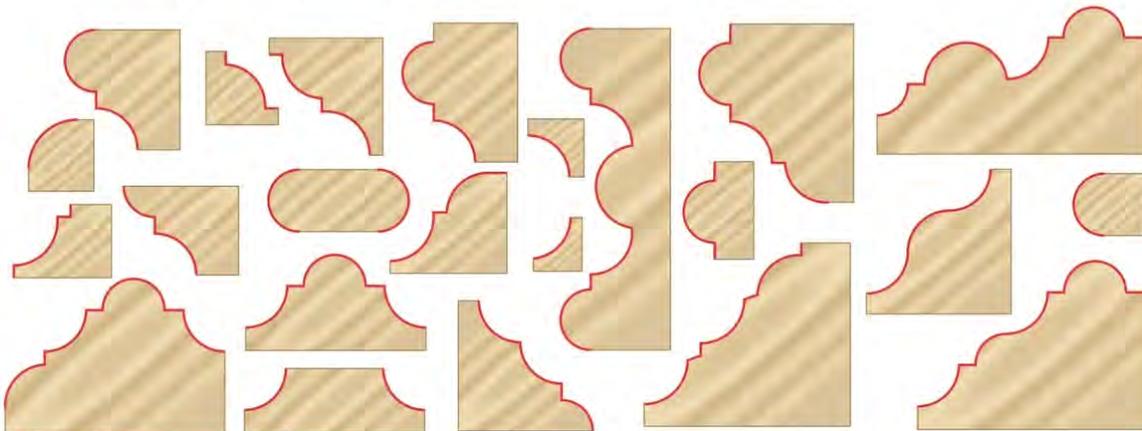
Tool #54198 is a miniature version of the multi-form bit.



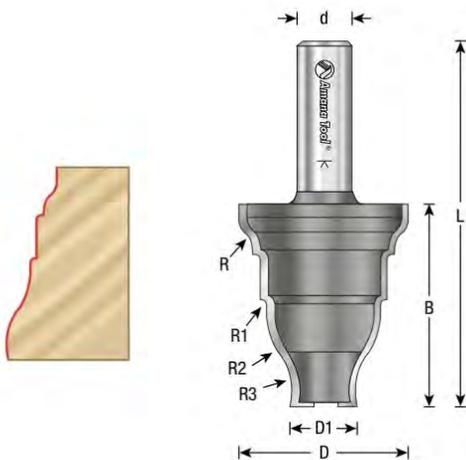
ØD	R	R1	R2	B	Ød	L	Repl. Bearing	Tool No.
1-1/4	3/16	9/64	1/8	1	1/2	2-7/8	47702	54198
2-1/4	23/64	21/64	1/4	1-7/8	1/2	4	47706	54200 ▲ ¹²

▲ Warning: Maximum RPM ▲¹² = 12,000

Create over 40 different molding profiles with this one bit!



Profiles not 1:1



CASING & BRICK MOLDING

Carbide Tipped • 2 Flute

Make your own door and window casing in cherry, oak or any wood specie that you prefer. This bit makes beautiful classic colonial window and door trim. You can even make curved window casing – perfect for trimming that Palladian window.



ØD	ØD1	R	R1	B	Ød	L	Tool No.
1-1/2	19/32	3/16	1/32	1-27/32	1/2	3-11/32	54258

GUITAR FINGERBOARD RADIUSING New

Carbide Tipped with Ball Bearing Guide

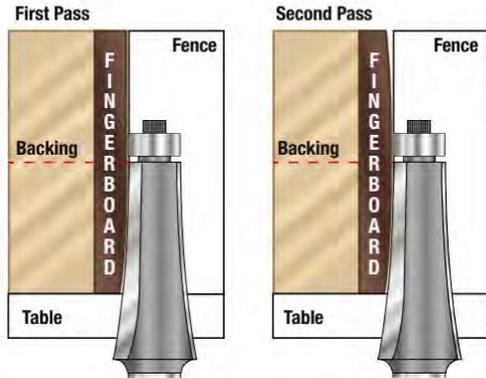
Excellent for Guitar Making Luthier Makers!

Designed to add a 12" radius to your guitar fretboard, with cut height of 1-7/8" for fretboards up to 3-3/4" wide.



ØD	R	B	Ød	L	Tool No.
0.8	12	1-7/8	1/2	3-13/16	54542

Replacement bearing #47706.



Instructions:

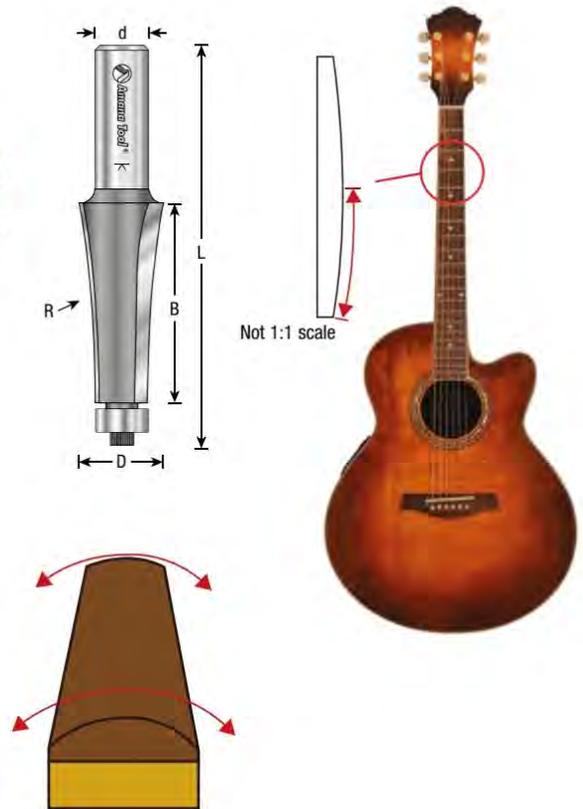
Affix the fingerboard to the planed and squared backing stock of the same width, using double faced tape. Adjust the fence to be flush with the bearing, then proceed to route as described below.

First Pass:

Line up the top of the blade with the center of the stock to route the first half of the radius.

Second Pass:

Flip the stock assembly along the length and route the second side to complete the radius.



6-PC. CNC ELECTRIC GUITAR MAKING SET New

1/4" Shank Solid Carbide & Carbide Tipped Router Bit Set



This set includes the fundamental router bits required for making electric guitar bodies on your CNC machine.

- #46421-K for cutting the bodies shape out 1-3/4" depth (using double machining method)
- #56126 for rounding over the body cutout edges
- #46202-K for pickup and cavity routes
- #45924 for arm contours
- #46403-K for marking string through holes and screw holes
- #49500 for rounding over the bodies with a hand router (NOT for use on CNC)

Excellent For Cutting:

- MDF/HDF
- Veneered Plywood
- Wood
- Laminate

Includes	Set No.
46202-K, 45924, 56126, 46403-K, 46315-K, ▲ 49500	AMS-320

▲ **Warning:** 49500 is not designed for CNC machine



1/4" SHANK



HAND/TABLE EDGE

Carbide Tipped • 2 Flute with Ball Bearing Guide

These special router bits are used for cutting table top edges or used with handrail side profile bits. Originally designed for easing and profiling the edges of tabletops, these bits also are widely used for the same purpose on handrails.

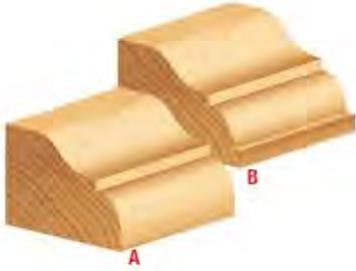
Eliminate hard edges, reduce the visual thickness of a tabletop, and add an elegant detail simultaneously with these bits.



ØD	R	R1	B	B1	B2	Ød	L	Tool No.
2-3/4	1-3/4	—	5/8	—	—	1/2	2-7/8	49550 ▲ ¹⁶
2-1/2	3/8	—	3/4	—	—	1/2	2-3/4	49554 ▲ ¹⁶
2-1/2	13/32	13/64	25/32	43/64	7/64	1/2	2-3/4	49556 ▲ ¹⁶

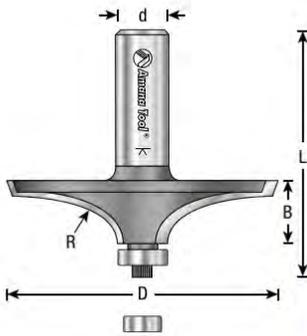
▲ Standard 1/2" bearing #47706 (included).

▲¹⁶ **Warning:** Maximum RPM ▲¹⁶ = 16,000



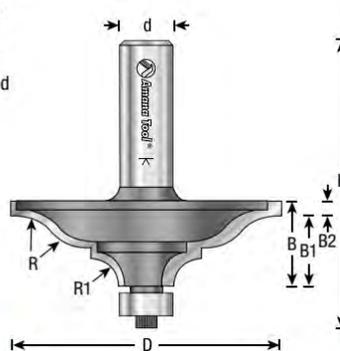
49550 Table Edge

Cuts a wide profile with an arc based on the ellipse rather than the circle. With the optional 3/8" bearing, it will produce a fillet at the cut's edge. Good choice for handrails.



49556 Ogee and Bead

Cuts a shallow ogee into the tabletop surface coupled with a bead at the edge. Bit will produce a fillet if set to cut deep enough. With the optional 3/8" bearing, it will produce a fillet at the cut's edge. Good choice for handrails.



49554 Ogee

Cuts a shallow, elongated ogee. With the optional 3/8" bearing, it will produce a fillet at the cut's edge. Good choice for handrails.

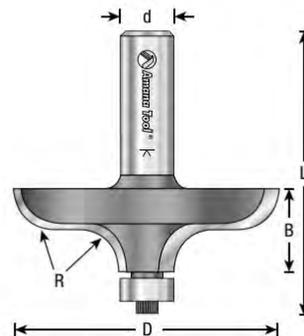


TABLE EDGES

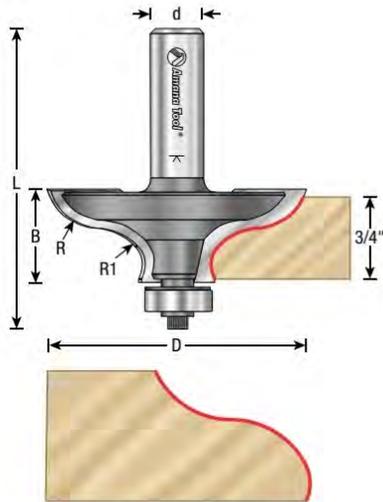
Carbide Tipped • 2 Flute with Ball Bearing Guide

Profiles are designed for 3/4" thick tops.

This selection of table edge profiles offers a wide variety of designs from which to choose. All will shape away the hard edge, add detail, and reduce the visual thickness of the top.

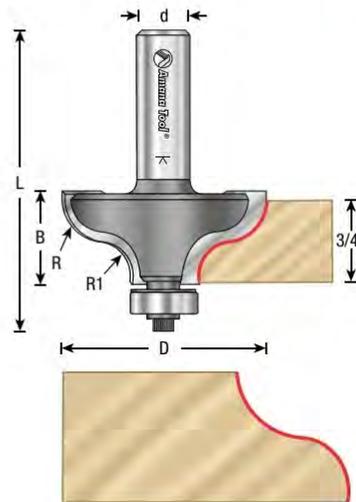
$\emptyset D$	R	R1	B	$\emptyset d$	L	Tool No.
2-21/64	1/2	1/4	55/64	1/2	2-3/4	49555
1-57/64	3/8	5/16	7/8	1/2	2-3/4	49559

Replacement bearing #47718.



49555 - Reverse Curve

The broad curves of this ogee create a wide, elegant table edge. Notice that the curve continues under the top slightly to make a large tabletop appear thin.



49559 - Ogee

This bit cuts the classic reverse curve so popular on period furniture designs.



HANDRAIL

Carbide Tipped • 2 Flute with Ball Bearing Guide

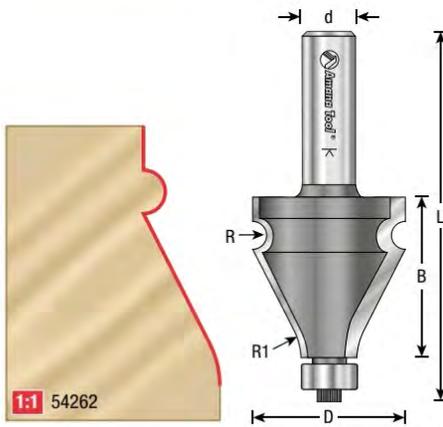
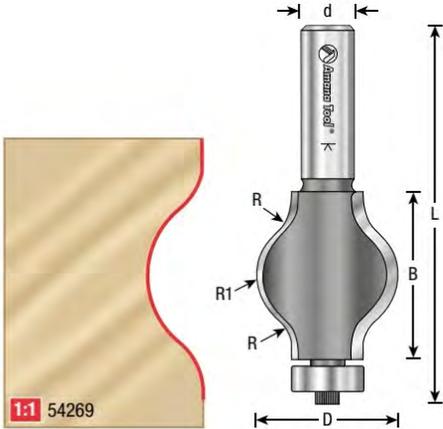
Shape the sides of a handrail to make it both attractive and easy to grip. Then ease the top edges with the table edge bits shown on pages 182-183. Use in a handheld or table-mounted router.



ØD	R	R1	B	Ød	L	Tool No.
1-3/8	1/8	19/32	1-1/2	1/2	3-3/8	54262
1-1/4	3/8	1/2	1-1/2	1/2	3-3/8	54269

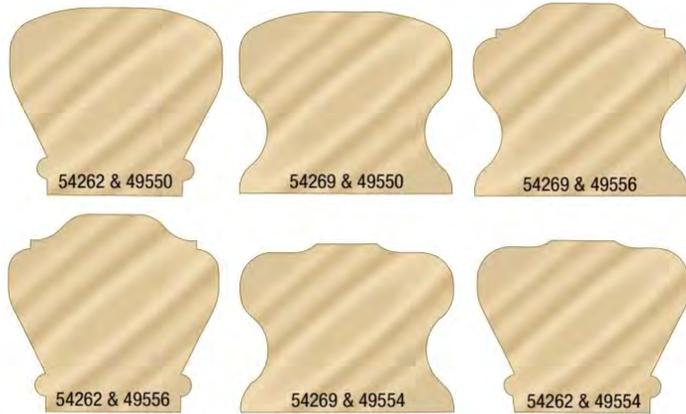
Replacement bearings #54262 use #47706.

Replacement bearings #54269 use #47716.



HANDRAIL PATTERNS

12 Different Patterns!



(Wood profiles not shown at actual size.)



MAKE CLEAN & BEAUTIFUL DOVETAIL JOINTS!

The dovetail joint is the strongest construction method for drawers, boxes, chests and fine casework. Amana Tool® designs the bits needed by many router dovetail jigs that require cutting half-blind and through dovetails. We carry the bits for name brand dovetail jigs, including Leigh® Keller™, Omnijig® and Incra®



Sliding Dovetail



Variable Spaced Dovetail



Half-Blind Dovetail



Through Dovetail

DOVETAIL

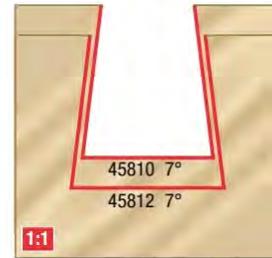
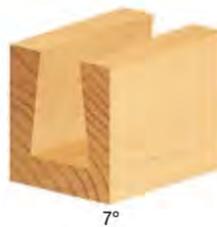
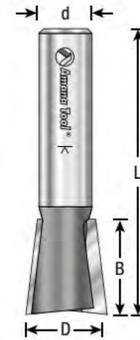
Carbide Tipped • 7° Angle

For the Keller™ Dovetail Templates and certain Incra® applications, 7° dovetail bits are required. (Bits for the Keller™ system are supplied with shank-mounted bearings.) This angle is also used in cutting stair stringers.



ØD	B	Ød	L	Application	Tool No.
9/32	1/2	1/4	2-13/32	Porter-Cable® Jig 4212	45837 *
1/2	25/32	1/2	3-1/8	Omnijig® Joinery System	45831
17/32	13/16	1/2	2-3/8	Porter-Cable® Jig 4210 & 4212	45838
5/8	7/8	1/2	2-5/8	Incra®	45808
3/4	7/8	1/2	2-5/8	Incra®	45810
7/8	7/8	1/2	2-1/2	Stair Tread	45812

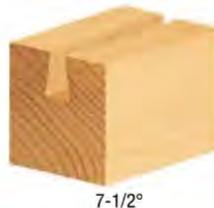
* 6.24° Angle

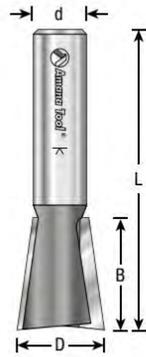


Carbide Tipped • 7-1/2° Angle

The 7-1/2° dovetail bit is used with both Omnijig® & the Incra® dovetail system.

ØD	B	Ød	L	Application	Tool No.
1/4	5/16	1/4	2-1/2	Incra®/Omnijig® #43639	45820





DOVETAIL

Carbide Tipped • 8° Angle

These 8° dovetail bits are designed especially for use with the Leigh® Dovetail Jig.



ØD	B	Ød	L	Application	Tool No.
0.260	0.270	1/4	2-11/64	Leigh® #50	45824
3/8	0.532	1/4	2-3/8	Leigh® #70	45826
7/16	0.650	1/4	2-9/16	Leigh® #75	45827
1/2	0.825	1/4	2-3/4	Leigh® #80	45828
11/16	1.025	1/2	3	Leigh® #90	45829
0.80	1.275	1/2	3.222	Leigh® #100	45830



Carbide Tipped • 9° Angle

The 9° dovetail bit is used for certain operations with the Incra® dovetail system.

ØD	B	Ød	L	Tool No.
5/16	3/8	1/4	2-1/2	45822 *
3/8	3/8	1/4	2	45800
3/8	3/8	1/2	2	45802

* Solid carbide.



Carbide Tipped • 10° Angle

The 10° dovetail bit is used with the Incra® and Leigh® dovetail system.

ØD	B	Ød	L	Application	Tool No.
15/32	1/2	1/2	2-9/32	Incra®	45821 <i>New</i>
1/2	5/8	1/2	2-5/8	Incra®	45805
3/4	13/16	1/2	2-1/4	-	45819 <i>New</i>



6-PC. INCRA® DOVETAIL

1/2" Shank • Carbide Tipped Router Bit Set

Includes a variety of Straight and Dovetail router bits for cutting wood.



6-Pc 1/2" Shank Set for Incra® dovetail system

AMS-405

Set #AMS-405 Includes:

45408, 45414, 45802, 45806, 45808 & 45810



(not shown 1:1)

DOVETAIL

Carbide Tipped • 14° Angle



ØD	ØD1	B	B1	Ød	L	Tool No.
1/2	9/16	1/2	3/64	1/4	1-15/16	45815

DOVETAIL

Carbide Tipped • 14° Angle

The 14° dovetail bit is used with common half-blind dovetail jigs, as well as with Omnijig® Incra® and Leigh® jigs.



ØD	B	Ød	L	Application	Tool No.
1/2	1/2	1/4	2	—	45804
1/2	1/2	1/4	2	Incra®/Omnijig® 43705	45832
1/2	1/2	1/4	2-3/8	Leigh® #120	45833
1/2	.532	1/2	2-1/2	Incra®/Omnijig® 43750	45806
3/4	3/4	1/2	3	Omnijig® 43774	45816
7/8	7/8	1/2	2-5/8	—	45818
1	1	1/2	2-3/4	—	45814



Carbide Tipped • 18° Angle

The 18° dovetail bit is used with the Leigh® jig.

ØD	B	Ød	L	Application	Tool No.
1/2	.415	1/4	2-1/4	Leigh® #128	45835

14° BUTTERFLY SPLINE

Carbide Tipped • 2 Flute

Cut butterfly keys, splines and inlays with this bit, which complements the Amana Tool® 14° dovetail bits.



ØD	B	Ød	L	Tool No.
1-1/8	1-3/4	1/2	3-1/4	45860

Use with Amana Tool® 14° dovetail bits #'s 45804, 45806, 45814, 45816 or 45818.



14° DOVETAIL

Carbide Tipped • 2 Flute with Upper Ball Bearings

This dovetail bit has a shank-mounted ball bearing guide for routing dovetail slots following a template and pattern routing. The template must be mounted between the work-piece and the router. With a handheld router, the template must be on top of the work-piece. With a table-mounted router, the template must be underneath the workpiece.

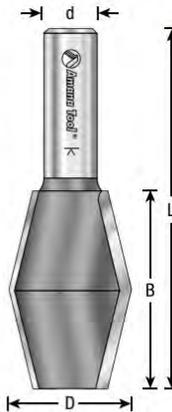
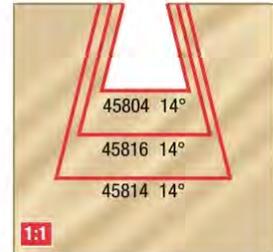
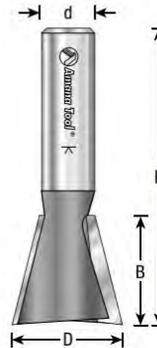
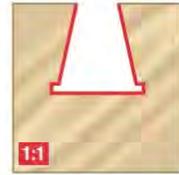
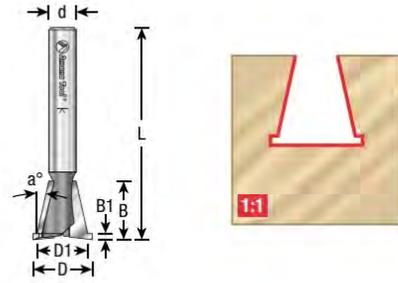


ØD	B	Ød	L	Type	Tool No.
1/2	1/2	1/4	2-1/4	Dovetail	45850 *
3/4	3/4	1/2	3	Dovetail	45852 † **

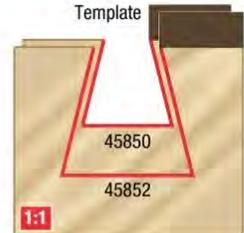
† For pattern cutting or jigs.

* Repl. Bearing #47701; Collar #47724.

** Repl. Bearing #47721; Collar #47739.

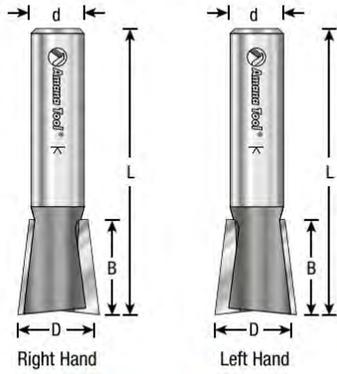


Template



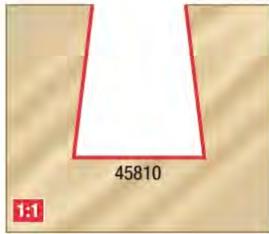
Template





Right Hand

Left Hand



7° STAIRTREAD

Carbide Tipped • 2 Flute

Cut stair stringers for the treads using this bit. Available in right hand and left hand rotation versions.



ØD	Rotation	B	Ød	L	Tool No.
3/4	Right Hand	7/8	1/2	2-5/8	45810
7/8	Right Hand	7/8	1/2	2-1/2	45812
7/8	Left Hand	7/8	1/2	2-1/2	45812-LH
1	Right Hand	7/8	1/2	2-1/2	45813
1	Left Hand	7/8	1/2	2-1/2	45813-LH



DOVETAIL FOR BROOKMAN MACHINES

Carbide Tipped • 2 Flute

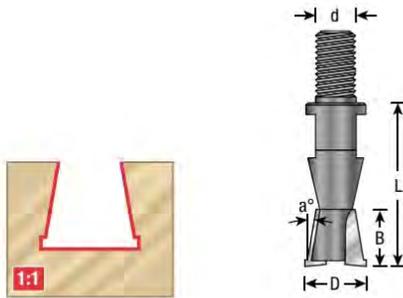
The following bit is specifically designed for use in Brookman machines:

For Brookman Machines



ØD	a°	B	Ød	L	Tool No.
9/16	10°	1/2	3/8 BSF*	1-1/2	45839

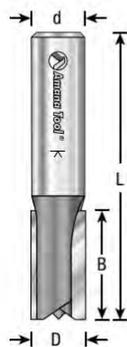
* BSF = British Standard Fine



1:1



1:1



LEIGH® JIG STRAIGHT BITS

Carbide Tipped • 2 Flute

Leigh® dovetail jigs use 8° dovetail bits for through dovetail tails. These are three straight bits used in the jig to cut depths relative to the pin board or drawer front for that look of a hand-cut sophistication.



ØD	B	Ød	L	Application	Tool No.
5/16	1.03	1/4	2-13/16	Leigh® #140	45270
7/16	1-1/4	1/2	3	Leigh® #150	45416
1/2	1-1/4	1/2	3-9/64	Leigh® #160	45494



KELLER™ DOVETAIL SYSTEM

Carbide Tipped • 2 Flute

The popular Keller™ Templates require the use of straight and dovetail bits with shank-mounted pilot bearings.

The following bits are specifically designed for use in the Keller™ system:

Straight Cutter with Upper Ball Bearing



ØD	B	Ød	L	Keller™ No.	Tool No.
.615	1/2	1/4	2-1/4	1641	45469 ▲ ¹⁸
.615	3/4	1/4	2-5/8	1643/2443	45470 ▲ ¹⁶
.615	1/2	1/4	2-1/4	1641	45476
.615	3/4	1/4	2-1/2	1643/2443	45478
9/16	3/4	1/4	2-1/4	3032	45479

7° Dovetail Bit System with Upper Ball Bearing

ØD	B	Ød	L	Keller™ No.	Tool No.
11/32	3/8	1/4	2-1/4	1631/1531	45880
7/16	3/4	1/4	2-5/8	1633/1533	45882
5/8	1	3/8	2-5/8	2435	45884

7° Keller™ Set 1601 Pro Series & 1500 Journeyman Standard Bit Set with Upper Ball Bearing

ØD	B	Ød	L	Bearing	Type	Keller™ No.	Tool No.
7/16	3/4	1/4	2-5/8	47712	Dovetail	1633	45882
5/8	3/4	1/4	2-5/8	47712	Straight	1643/1543	45470 ▲ ¹⁶

7° Dovetail – Small Bit Set with Upper Ball Bearing

ØD	B	Ød	L	Bearing	Type	Keller™ No.	Tool No.
11/32	3/8	1/4	2-1/4	47712	Dovetail	1631	45880
.615	1/2	1/4	2-1/4	47712	Straight	1641/1541	45469

7° Dovetail – Model 2401 Pro Series & 2200 Journeyman with Upper Ball Bearing

ØD	B	Ød	L	Bearing	Type	Keller™ No.	Tool No.
5/8	1	3/8	2-5/8	47741	Dovetail	2435	45884

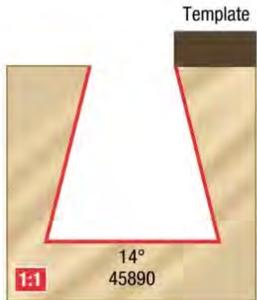
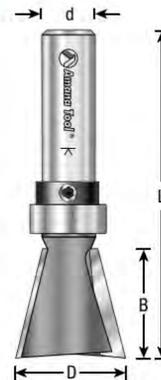
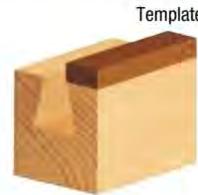
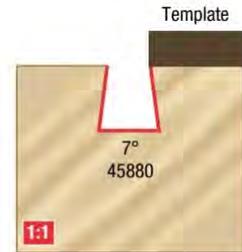
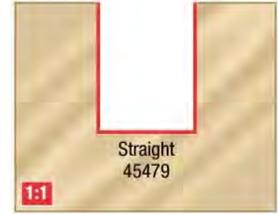
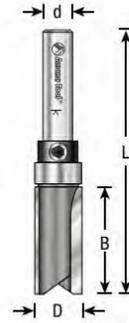
14° Dovetail – Model 3600 – Standard Bit Set with Upper Ball Bearing

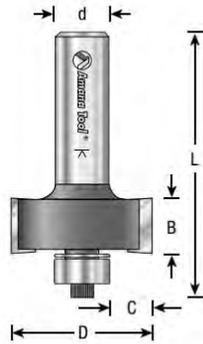
ØD	B	Ød	L	Bearing	Type	Keller™ No.	Tool No.
5/8	3/4	1/4	2-5/8	47712	Straight	1643/2443/3643	45470 ▲ ¹⁶
1	1	1/2	2-3/4	47738	Dovetail	3637	45890

Replacement bearing for #'s 45469, 45470, 45474, 45880 and 45882 is #47712.

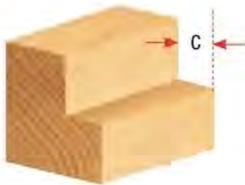
Replacement bearing for #45884 is #47741.

▲¹⁶ Warning: Maximum RPM ▲¹⁶ = 16,000; ▲¹⁸ = 18,000





49300/49302



RABBET

Carbide Tipped • 2 & 3 Flute with Ball Bearing Guide

This is the basic rabbeting bit. It cuts 3/8" wide and up to 1/2" deep. Switch to one of four optional ball-bearing guides to alter the width of cut. Use in a handheld or table-mounted router.



ØD	C	B	Ød	L	Flutes	Tool No.
5/16	1/16	1/2	1/4	2	2	MR0101 *
7/16	1/8	1/2	1/4	1-7/8	2	MR0100 *
7/8	1/4	1/2	1/4	2	2	49305
7/8	1/4	5/8	1/2	2-1/2	2	49307
1-1/4	3/8	1/2	1/4	2	2	49300
1-1/4	3/8	1/2	1/2	2-3/8	2	49302
1-3/8	1/2	1/2	1/4	2	2	49306
1-3/8	1/2	1/2	1/2	2-3/8	2	49309
1-7/8	3/4	1	1/2	2-7/8	3	49314

☐ Replacement knife #RCK-264 (2).

* Miniature with 3/16" ball bearing guide #47775.

C	Replacement Bearings:
Standard	3/8 Rabbet — 47706
OR	7/16 Rabbet — 47702
OR	5/16 Rabbet — 47718
OR	1/4 Rabbet — 47720

C for 49306 & 49309	Replacement Bearings:
OR	7/16 Rabbet — 47706
Standard	1/2 Rabbet — 47702
OR	3/8 Rabbet — 47718
OR	5/16 Rabbet — 47720

CNC STRAIGHT RABBETING

Insert Carbide with Scorer 2+2 Design

Insert rabbeting router bit complete with two cutting flutes and scorer. Suitable for trimming and rabbeting in softwood, hardwood and man-made boards. Scorer will give an improved finish at the bottom of the cut. For use on routers and machining centers with CNC control.



ØD	B	Repl. Knife	Repl. Knife	Max RPM	Ød	L	Tool No.
60mm(2-3/8)	50mm(2)	RCK-50	RCK-70	18,000	3/4	120mm(4-3/4)	RC-2383

CNC feed and speed available online

SPECIAL RABBET

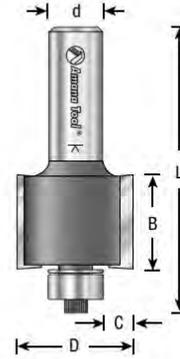
Carbide Tipped • 2 Flute with Ball Bearing Guide

Designed for the "smart clip" backsplash system.

Depth of rabbet 9/32"

ØD	C	B	Ød	L	Tool No.
1-1/16	9/32	7/8	1/2	2-5/8	49310

Replacement bearing #47706.



MULTI-RABBET SET

Carbide Tipped • 2 Flute with Ball Bearing Guide

The Multi-Rabbet bit steps in 1/16" increments from a 1/8" cut width to 1/2", simply by switching ball-bearing guides. Five different bearings are provided. Depth of cut capacity of 1/2". Use in a handheld or table-mounted router.

Six Different Rabbet Depths!

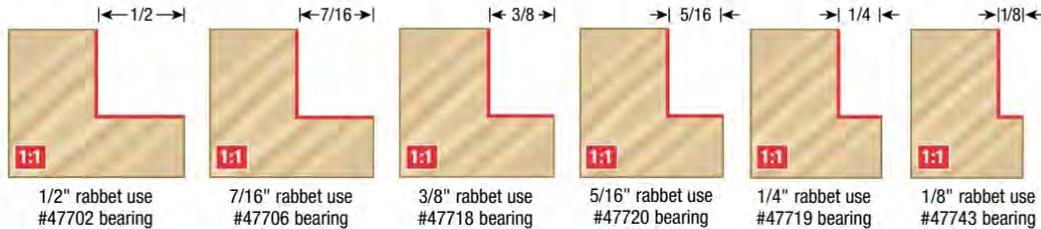
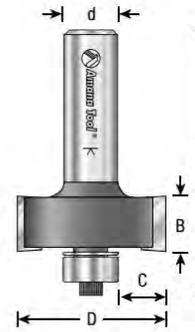
ØD	C	B	Ød	L	Tool No.
1-3/8	1/8, 1/4, 5/16, 3/8, 7/16, 1/2	1/2	1/4	2	49340
1-3/8	1/8, 1/4, 5/16, 3/8, 7/16, 1/2	1/2	1/2	2-3/8	49350

ØD	Replacement Bearings:
3/8	47702
1/2	47706
5/8	47718
3/4	47720
7/8	47719
1-1/8	47743



Set #6000

Set #6000: Complete replacement kit includes 6 bearings, hex key, washer & screw.
Screw #67094. Washer #67202.



SUPERRABBET™

Carbide Tipped • 2 Flute with Ball Bearing Guide

This ingenious tool features both interchangeable cutting edges and an interchangeable guide collar, enabling you to cut a wide range of rabbets. Changing the collars on the twin ball-bearing guide steps the cut width in 1/16" increments from flush through 3/4" with five extra "plywood" sizes.

Between the standard and optional collars, there are 18 different rabbet sizes available. The deep guide collar design adds stability to the tool for hand-held router operations. The basic 2"-diameter bit includes a hex key, instructions, and all necessary parts for 5/8" and 3/4" deep rabbets.

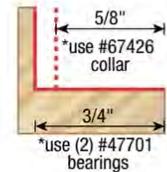
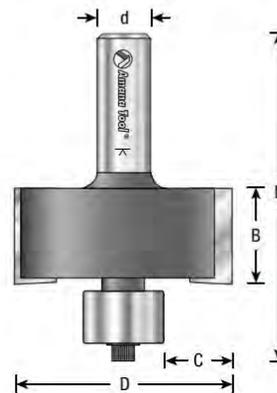


ØD	C	B	Ød	L	Tool No.
2	5/8 & 3/4	7/8	1/2	3	49360 ♦

Warning: Maximum RPM=22,000

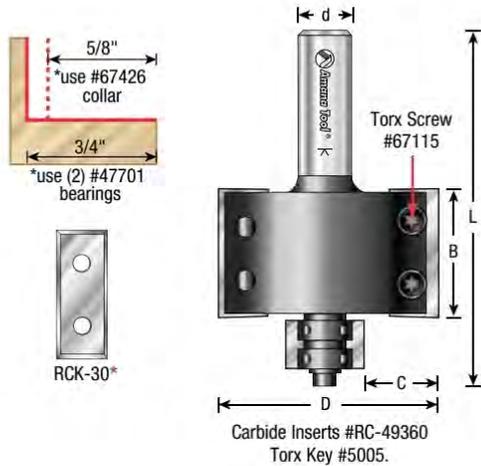
Replacement screw for bearing #67094. Replacement washer for bearing #67202.
Replacement spacer bearing #67206.

♦ Use in a table-mounted router. **Not for use in a handheld router!**



Recommended by:
WILSONART
INTERNATIONAL

18 Different Depths With 1 Tool!
See Optional Collars on pg 189.



INSERT SUPERABBET™

Insert Carbide • 2 Flute with Ball Bearing Guide

This ingenious tool features both interchangeable cutting edges and an interchangeable guide collar, enabling you to cut a wide range of rabbets. Changing the collars on the twin ball-bearing guide steps the cut width in 1/16" increments from flush through 3/4" with five extra "plywood" sizes.

Between the standard and optional collars, there are 18 different rabbet sizes available. The deep guide collar design adds stability to the tool for hand-held router operations. The basic 2" diameter bit includes a hex key, instructions, and all necessary parts for 5/8" and 3/4" deep rabbets. Featuring double-edged solid carbide insert knives which enables the bit to cut 30mm high. Inserts can be rotated or replaced without removing the bit from the router.



ØD	C	B	Ød	L	Repl. Knives	Tool No.
2	5/8 & 3/4	30mm	1/2	3-3/8	RCK-30*	RC-49360

▲ Warning: Maximum RPM=17,000

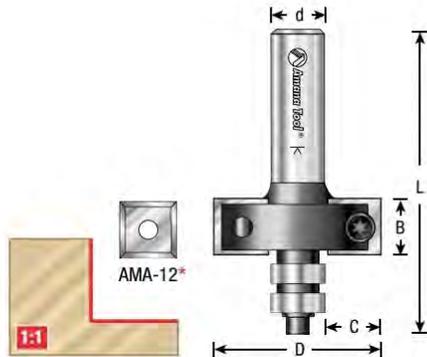
* Standard general purpose replacement knives = #RCK-30; Knives also available for MDF and solid surface materials – see replacement carbide section on pages 258-263.

#6002: Complete replacement kit for #49360 and #RC-49360. Includes the following: hex key, spacers, screw, washer, #67426 (5/8" rabbet collar and 2 ball bearings.

Recommended by:



18 Different Depths With 1 Tool!
See Optional Collars on Next Page.



INSERT SUPERABBET, JR™

Insert Carbide • 2 Flute with Ball Bearing Guide

A scaled-down version of the Superabbet™, this tool features four-sided replaceable carbide knives and a reduced cut depth capacity. It uses the same twin ball-bearing guide collar assortment to produce the same extensive range of precise rabbet widths. The standard tool is supplied with a collar for 1/2" rabbet width. Optional collars are available individually and in five-piece and 17-piece kits.



ØD	C	B	Ød	L	Tool No.
1-1/2	Flush to 1/2"†	12mm(.472)	1/2	2-19/32	RC-49355

▲ Warning: Maximum RPM=22,000

† Using optional collars on next page. Standard depth=1/2"

Torx® key #5005. Torx® screw #67115.

* Standard general purpose replacement knives = #AMA-12; Knives also available for MDF and solid surface materials – see replacement carbide section on pages 258-263.

13 Different Depths With 1 Tool!
See Optional Collars on Next Page.

ACCESSORIES FOR INSERT SUPERABBET™ & INSERT SUPERABBET, JR™



Individual Collars

Collar Diameter	49360/RC-49360	Rabbet Depth (C) RC-49355	Order No.
2	Flush	—	67398
1-7/8	1/16	—	67400
1-3/4	1/8	—	67402
1-5/8	3/16	—	67404
1-17/32	15/64(6mm)	—	67406
1-1/2	1/4	Flush	67408
1-3/8	5/16	1/16	67410
1-9/32	23/64(9mm)	7/64	67412
1-1/4	3/8	1/8	67414
1-1/8	7/16	3/16	67416
1-1/16	15/32(12mm)	7/32	67418
1	1/2	1/4	67420
7/8	9/16	5/16	67422
13/16	19/32(15mm)	11/32	67424
3/4	5/8	3/8	67426
3/4	5/8	3/8	67427
5/8	11/16	7/16	67428
9/16	23/32(18mm)	15/32	67430



COLLAR KITS

Insert Superabbet™

#67500: 6-piece collar kit includes: #67398, #67400, #67402, #67408, #67414, #67420.

#67600: 5-piece collar kit includes: #67404, #67410, #67416, #67422, #67428.

#67800: 21-piece collar kit includes: two #47701 bearings, #67206 spacer, #5000 allen key, #67094 allen screw and 16 individual collars: #67398, #67400, #67402, #67404, #67406, #67408, #67410, #67412, #67414, #67416, #67418, #67420, #67422, #67424, #67428, #67430.

NOTE: 5/8" and 3/4" depth is standard with #49360 & #RC-49360.

Insert Superabbet, Jr™

#67350: 5-piece collar kit includes: #67408, #67410, #67414, #67420, #67426.

#67355: 17-piece collar kit includes: two #47701 bearings, #67206 spacer, #5000 allen key, #67094 allen screw and 12 individual collars: #67408, #67410, #67412, #67414, #67416, #67418, #67420, #67422, #67424, #67426, #67428, #67430.



Collars and Kits



flush rabbet

1/16" rabbet

7/64" rabbet



1/8" rabbet

3/16" rabbet

7/32" rabbet



15/64"(6mm) rabbet

1/4" rabbet

5/16" rabbet



11/32" rabbet

23/64"(9mm) rabbet

3/8" rabbet



7/16" rabbet

15/32"(12mm) rabbet

1/2" rabbet



9/16" rabbet

19/32"(15mm) rabbet

5/8" rabbet



11/16" rabbet

23/32"(18mm) rabbet



**4
FLUTE**

MULTI-RABBET SET

Carbide Tipped • Up-Shear • 4 Flute with Ball Bearing Guide

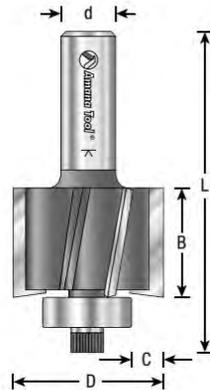
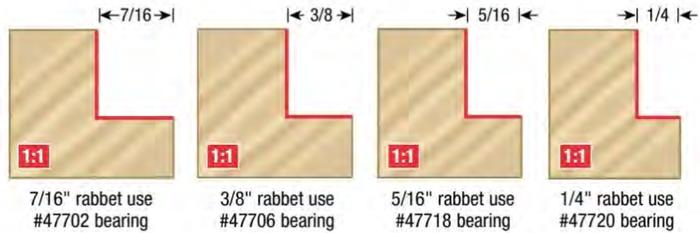
The Multi-Rabbit bit steps in 1/16" increments from a 1/4" cut width to 1/2", simply by switching ball-bearing guides. Five different bearings are provided. Depth of cut capacity of 1/2". Use in a handheld or table-mounted router.



Four Different Rabbet Depths!

ØD	C	B	Ød	L	Tool No.
1-1/4	1/4, 5/16, 3/8, 7/16	1/2	1/2	2-9/32	49303

ØD	Replacement Bearings:
3/8	47702
1/2	47706
5/8	47718
3/4	47720



**4
FLUTE**

MULTI-RABBET SET

Carbide Tipped • Up-Shear • 4 Flute with Ball Bearing Guide

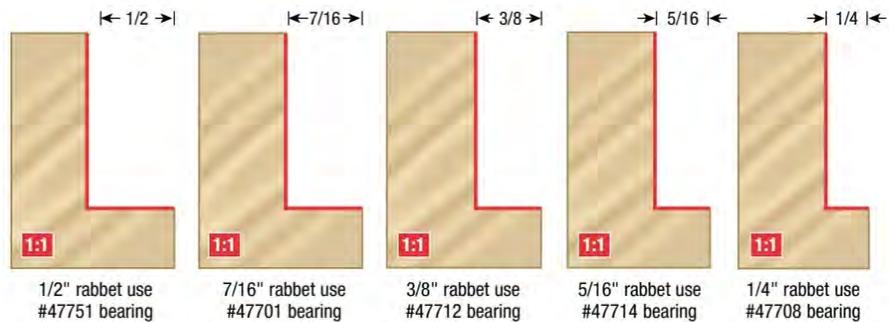
The Multi-Rabbit bit steps in 1/16" increments from a 1/4" cut width to 1/2", simply by switching ball-bearing guides. Five different bearings are provided. Depth of cut capacity of 1/2". Use in a handheld or table-mounted router.



Five Different Rabbet Depths!

ØD	C	B	Ød	L	Tool No.
1-3/8	1/4, 5/16, 3/8, 7/16, 1/2	1	1/2	2-15/16	49352

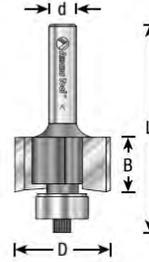
ØD	Replacement Bearings:
3/8	47751
1/2	47701
5/8	47712
3/4	47714
7/8	47708



MULTI-RABBET SET

Carbide Tipped • 3 Flute with Ball Bearing Guide

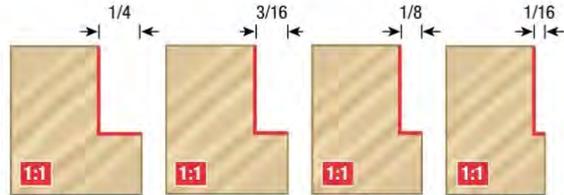
The Multi-Rabbet bit steps in 1/16" increments from a 1/4", simply by switching ball-bearing guides. Four different bearings are provided. Depth of cut capacity of 1/4". Use in a handheld or table-mounted router.



Four Different Rabbet Depths!

ØD	C	B	Ød	L	Tool No.
7/8	1/16, 1/8, 3/16, 1/4	1/2	1/4	1-29/32	49347

ØD	Replacement Bearings:
3/8	47702
1/2	47706
5/8	47718
3/4	47720



1/4" rabbet use #47702 bearing
 3/16" rabbet use #47706 bearing
 1/8" rabbet use #47718 bearing
 1/16" rabbet use #47720 bearing



BINDING/RABBETING SET

Carbide Tipped • Down-Shear • 3 Flute with Ball Bearing Guide

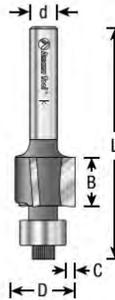
Special sets designed for Luthier. Each set includes five different ball bearings that will give five rabbet sizes (Ledge cut).



Five Different Rabbet Depths!

ØD	C	B	Ød	L	Tool No.
15mm (19/32)	3/64, 1/16, 5/64, 3/32, 1/8	11.5mm (7/16)	1/4	2-1/8	49342
20mm (51/64)	9/64, 5/32, 11/64, 13/64, 7/32	13.5mm (17/32)	1/4	2-1/8	49346

ØD	Replacement Bearings:
9mm	47660
10mm	47661
11mm	47662
12mm	47663
13mm	47664



49342

1/8" rabbet use #47660 bearing
 3/32" rabbet use #47661 bearing
 5/64" rabbet use #47662 bearing
 1/16" rabbet use #47663 bearing
 3/64" rabbet use #47664 bearing

49346

7/32" rabbet use #47660 bearing
 13/64" rabbet use #47661 bearing
 11/64" rabbet use #47662 bearing
 5/32" rabbet use #47663 bearing
 9/64" rabbet use #47664 bearing



E-Z DIAL™ SLOT CUTTER SHIM-FREE & ADJUSTABLE



E-Z DIAL™ SLOT CUTTERS

Carbide Tipped

Finally, a slot cutter without shims, spacers and the need to disassemble the bit. Just turn the dial and lock the setting, it's that easy. The E-Z Dial™ adjusts in just seconds and is accurate to .004". Cutting precise grooves has never been easier.

- **Quick & Easy Setup – Nothing to take apart, just dial it, lock it, cut it.**
- Simply adjust the dial in 0.004" increments.
- Easily makes perfect grooves for today's undersized plywood.
- Perfect for edge ("T") molding installation.

Available in two sizes:

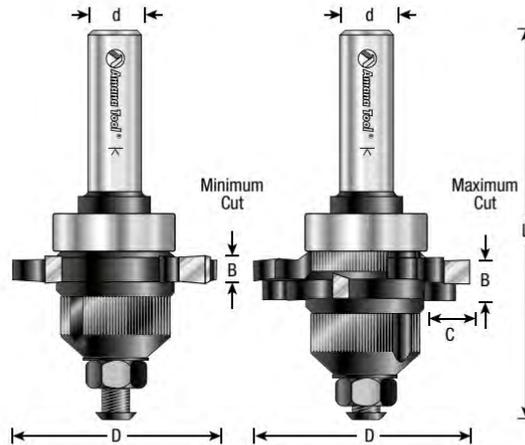
- #55500 for 1/8" to 1/4" wide slots, 1/2" deep
- #55510 for 1/4" to 1/2" wide slots, 1/2" deep



ØD	B	C	Ød	L	Tool No.
2-1/8	1/8 to 1/4	1/2	1/2	3-3/4	55500
2-1/8	1/4 to 1/2	1/2	1/2	3-3/4	55510

Replacement parts: Bearing #47738; Screw #67110.

Each E-Z Dial™ Slot Cutter includes
Full Color Instruction Manual



SLOTING CUTTER ASSEMBLIES

Carbide Tipped

Groove edges for T-moldings, splines or biscuits, and other purposes. Rout tongue-and-groove joinery. Each assembly includes a cutter, bearing for a 1/2" deep cut, and either a 1/4"-, 3/8"-, or 1/2"-shank arbor. Use in a handheld or table-mounted router.



General Specs:

ØD	B	C	Ød	L
1-7/8	Kerf (from 1/6 to 1/4)	**1/2	1/4 or 1/2	2-3/8
	1/4" Shank	1/2" Shank		
	3-Wing	3-Wing		
	Tool No.	Tool No.		
1/16	53400	53400-1		
5/64	53402	53402-1		
3/32	53404	53404-1		
1/8	53406	53406-1		
5/32*	53407	53407-1		
3/16	53408	53408-1		
7/32	53409	53409-1		
1/4	53410	53410-1		

Note: All above assemblies include cutter, arbor and ball bearing.

Also available with 3/8" shank by adding '-2' to part #. (example: #53400-2).

* 5/32" size also used for 'biscuit-joint' cutting.

** See page 192 for 'Vari-Depth™' bearings (1/4" and 3/8" depth).

Replacement Arbor	Tool No.
1/4" Shank	47600
3/8" Shank	47602
1/2" Shank	47604

Replacement Arbor with Ball Bearing	Tool No.
1/4" Shank	47601
1/2" Shank	47605

Repl. Arbor with Hex Nuts and Washer	Tool No.
6mm Shank x 5/16-24 NF Dia.	47600M

47601 and 47605 include 3 washers: #67204, Nut: #67088, Bearing: #47708



Arbor sold separately.

3 WING SLOTING CUTTERS

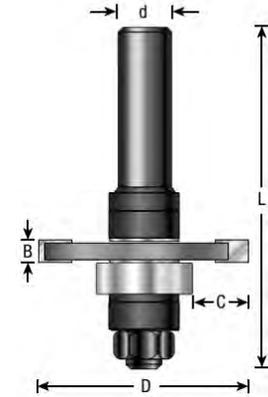
Carbide Tipped

Three-wing slotting cutters are available individually. Use a three-wing cutters for better cut finish.

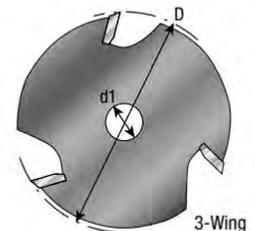
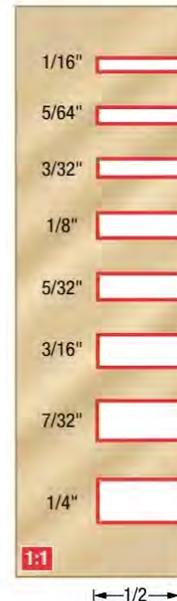


ØD	B Kerf	Ød1 Bore	3 Wing Tool No.
1-7/8	1/16	5/16	53200
1-7/8	5/64	5/16	53202
1-7/8	3/32	5/16	53204
1-7/8	1/8	5/16	53206
1-7/8	5/32	5/16	53207*
1-7/8	3/16	5/16	53208
1-7/8	7/32	5/16	53209
1-7/8	1/4	5/16	53210

* 5/32" size also used for 'biscuit-joint' cutting. See above for complete assemblies including arbor and ball bearing guide. Arbor sold separately.



Replacement Bearing 47708



3-Wing



QUADRASET™ ADJUSTABLE SLOTTING ASSEMBLY

Carbide Tipped • 2-Wing with Ball Bearing Guide

The Quadraset™ is an adjustable slotting assembly that includes 1/8", 5/32", 3/16", and 1/4" two-wing cutters, a 1/2" shank arbor with a pilot bearing, and a handful of spacers, washers and shims.

Conceptually it is like a table-saw dado stack set. You can use the cutters individually on the arbor, or you can combine two, three or all of the cutters on the arbor. Thus you can cut slots that range in widths from 1/8" up to 23/32" in 1/32" increments.

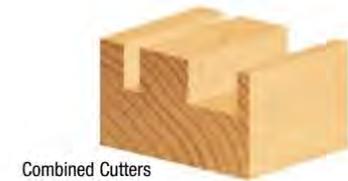
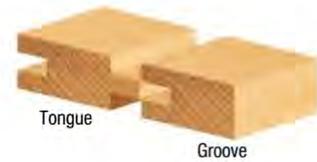
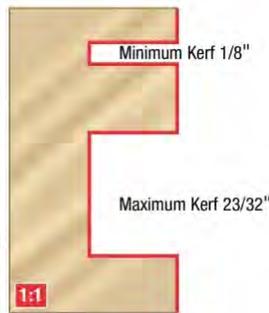
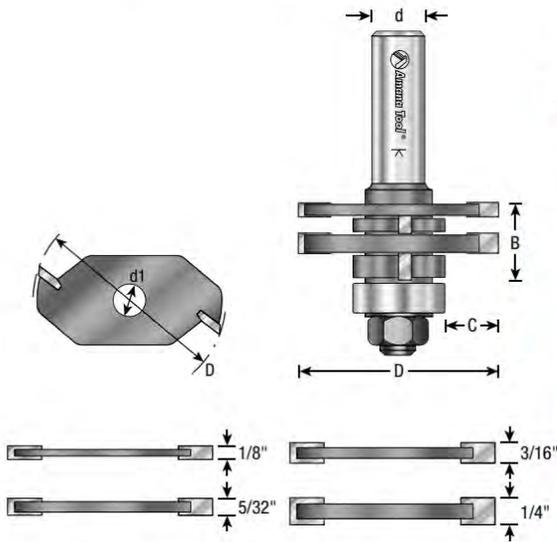
For different depth of cut, see the Vari-Depth™ bearings on bottom of this page.



ØD	C	B-Kerf	Ød1	Ød	L	Tool No.
1-7/8	1/2	1/8 to 23/32"	5/16	1/2	3	53600 ♦

Replacement parts: Bearing #47708; Arbor #47612.

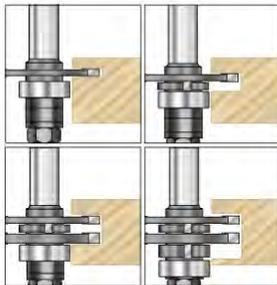
♦ Use in a table-mounted router. **Not for use in a handheld router!**



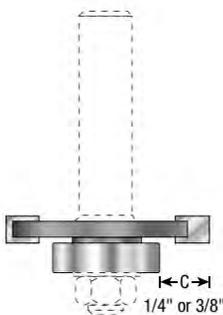
Combined Cutters
7/32" to 23/32"
(Increments of 1/32")



Individual Cutters
1/4", 3/16", 5/32", 1/8"



Create grooves 1/8" to 23/32" by using up to four cutters (included).



Construct a Wainscot Door with Amana's Industrial Tooling

Wainscot doors can be a beautiful addition to an informal, country style kitchen; their beaded panels are reminiscent of times long past. Constructing wainscot doors is easy with Amana Tool® router bits. You'll need just two bits: the Quadraset™ #53600 and the corner bead bit #54163. For information on how to Construct a Wainscot door, please see page 224.

SLOT CUTTER 'VARI-DEPTH'™ BEARINGS

Carbide Tipped

All standard Amana Tool® slotting assemblies (including the Quadraset™ Duo-Set™ and box joint) make a 1/2" deep cut. Reduce the cut depth to either 1/4" or 3/8" with Vari-Depth™ precision ball bearings fitted with non-marring Delrin® sleeves.

'C' Depth of Cut	I.D.	O.D.	Tool No.
1/4	5/16	1-3/8	47727
3/8	5/16	1-1/8	47728
Two piece set (#47727 & #47728)			47729

'BOX JOINT' SET

Carbide Tipped • 3-Wing with Ball Bearing Guide

Cut strong, attractive box joints for small boxes, shallow drawers and trays. By taking three passes, it can be used with stock up to 1/2" thick and 4" wide. The bit has five uniformly spaced 3-wing slotting cutters and a ball-bearing guide on a 1/2" shank arbor. Use in a table-mounted router for best results.

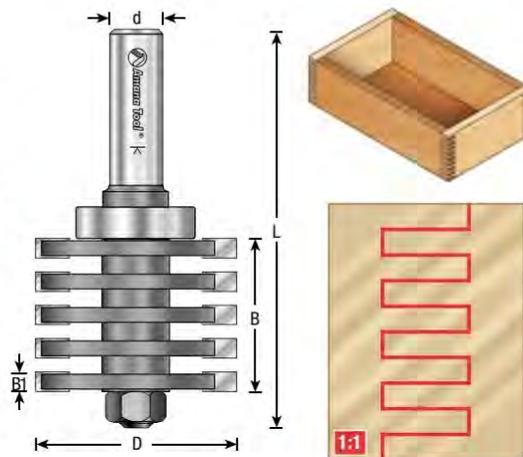


ØD	B	B1	Ød	L	Tool No.
1-7/8	1-3/8	5/32	1/2	3-3/4	53510 ▲ ¹³

▲ Warning: Maximum RPM ▲¹³ = 13,000

Replacement Parts:

Description	Order #
5/32" 3-Wing Cutters (5 required)	53207
1/2" Shank Arbor with Nut	47620
Steel Ball Bearing Guide (1/2" depth of cut)	47708
5.5mm Spacers (4 required)	55369
1mm Spacers (2 required)	55402
0.5mm Shim (1 required)	55404



FINGER JOINT ASSEMBLY

Carbide Tipped • 2-Wing with Ball Bearing Guide

For joining wood end-to-end as well as edge-to-edge. Rout one work-piece face up, the other face down. When the bit height is correct, the two pieces should slide together with their faces perfectly flush. The assembly includes five 2-wing finger cutters, one 2-wing straight cutter, a ball bearing guide, a 1/2" shank arbor, shims, spacers, and washers. The number of finger cutters used varies with the stock thickness; it can handle stock between 7/16" and 1-3/8" thick. For best results run at full speed in a 1-1/2 horsepower table-mounted router. Includes full-color instructions.



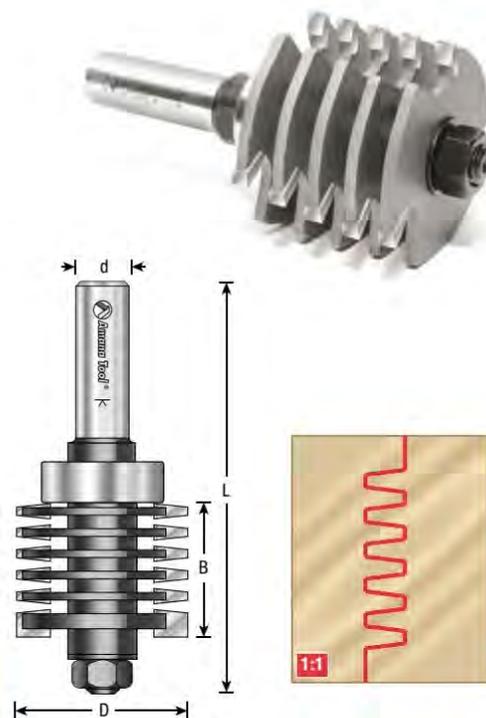
ØD	B	Ød	L	Tool No.
1-9/16	1-3/8	1/2	3-3/4	55392

Replacement Parts:

Description	Order #
Straight Cutter (1 required)	55396
Ball Bearing (5/16" x 28mm)	47736
1/2" Shank Arbor with Nut	47620
3.4mm Spacer (7 required)	55367
6.0mm Spacer (1 required)	55368
0.1mm Shim (10 required)	55357
0.5mm Shim (1 required)	55404
1.0mm Washer (2 required)	55402



Counter Cut Cut



FINGER JOINT

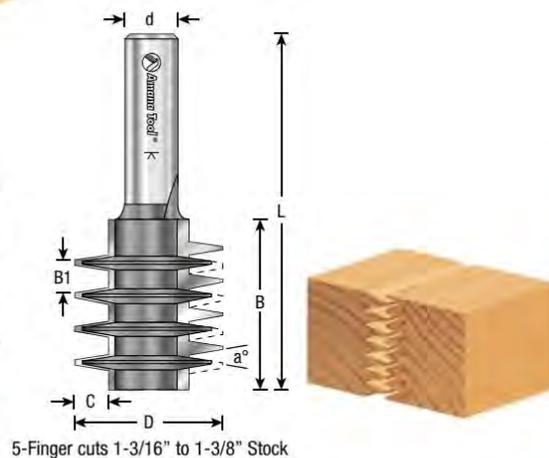
Carbide Tipped

Cut interlocking fingers for strong end-to-end or edge-to-edge glueups with this simple bit. Setup is fast. Center the cut profile on the stock, then cut, alternating the orientation of the show face – up when cutting one work-piece, down when cutting its mate. Use in all CNC and table-mounted routers.

For best results use in a router table.



ØD	B	B1	a°	C	Ød	L	Tool No.
1-3/8	1-9/16	21/64	14°	5/16	1/2	3	45796



5-Finger cuts 1-3/16" to 1-3/8" Stock

CNC ADJUSTABLE GROOVING

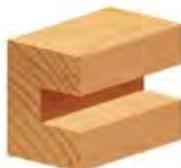
Insert Carbide

Hard wearing steel body complete with tungsten carbide knives and scorer for improved finish. Suitable for producing various thickness grooves and slots in softwood, hardwood and man-made boards (with or without coating). Cutting width can be adjusted in 0.1mm steps by using supplied spacer rings. Replaceable inserts ensure a constant cutting diameter and finish quality. For use on routers and machining centers with CNC control.



ØD	B	C	Ød	L	Tool No.
4-3/4(120mm)	5/32 - 5/8(4-15.5mm)	1-5/16	3/4	5-1/2(139mm)	RC-2340 ▲ 12

▲ **Warning:** Maximum RPM ▲ 12 = 12,000



Replacement Parts

- Blades #AMA-17(2), RCK-71(4), RCK-18(2)
- Wedge #WB-12
- Hex screw #67113
- Washer set #67208
- Blade nut #67056, 67172
- Arbor #47619
- Washer #67210
- Cover #67212
- Arbor screw #67060
- Hex key #5007
- Torx key #5090



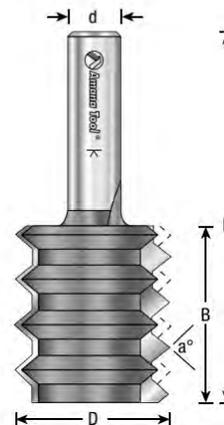
RAISED PANEL 'V' JOINT

Carbide Tipped

The principal benefit of this glue-joint bit is that the glue seam is far less evident on the bevels of raised panels. Equally important, setup is fast. Cut one half of each joint with the bit at any height. Simply raise or lower the bit 3/32" before cutting the mates. As with all glue-joint bits, the cutter profile expands the edge-to-edge glue surface, but more importantly, produces the precise surface alignment that's essential for fast glueups. For best results use in a router table.



ØD	B	a°	Ød	L	Tool No.
1-3/8	1-37/64	80°	1/2	3-1/16	45790



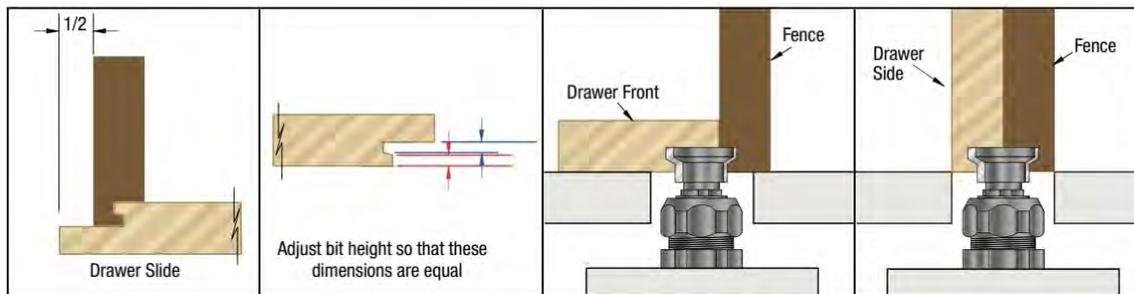
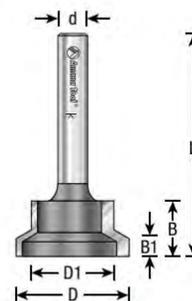
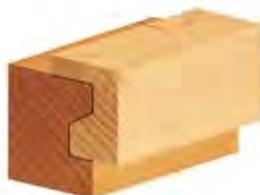
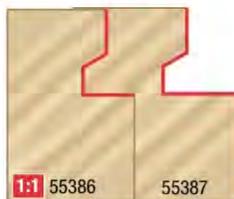
DRAWER LOCK

Carbide Tipped • 2 Flute

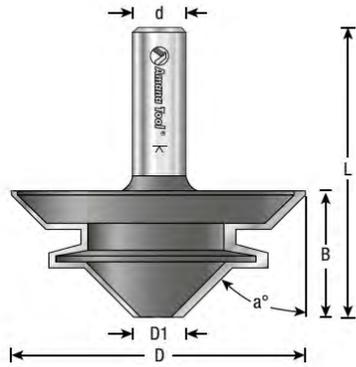
With this one bit, cut a lock joint that's ideal for quick construction of strong drawer boxes. Use in a table-mounted router only. The same bit setting is used for both halves of the joint; adjust the fence position slightly to switch between sides and fronts/backs. The drawer front (or back) is laid flat on the tabletop and fed across the cutter. The side is braced vertically against the fence and fed across the cutter. You can use stock of any thickness and any composition and produce flush or lipped drawers. For best results use in a table-mounted router.



ØD	ØD1	B	B1	Ød	L	Tool No.
3/4	1/2	1/2	5/32	1/4	1-7/8	55386
1	23/32	1/2	5/32	1/2	1-7/8	55387



Bit height is identical for both cuts. Fence position must be adjusted.



45° LOCK MITER

Carbide Tipped • 2 Flute

The lock miter is an interlocking edge-to-edge joint, typically used at the corners of casework. Used in a table-mounted router, run at reduced speed, this bit cuts both halves of the joint. The same setup of bit and fence cuts both parts. One part is laid flat on the tabletop and fed across the cutter. The second is braced vertically against the fence and fed across the cutter. For best results use in a table-mounted router.



ØD	D1	B	a°	Ød	L	Material Size	Tool No.
1-1/2	12.1mm	1/2	45°	1/4	1-5/8	5/16-7/16	55393
1-5/8	13.2mm	5/8	45°	1/4	1-3/4	3/8-1/2	55391
1-3/4	6.4mm	7/8	45°	1/2	2-1/8	3/8-3/4	55389
2-11/16	9.2mm	1-3/16	45°	1/2	2-5/8	1/2-1	55390 ▲ ¹⁸

▲ **Warning:** Maximum RPM ▲¹⁸ = 18,000



Each 45° Lock Miter Cutter includes
Full Color Instruction Manual



2 PIECE EDGE BANDING SETS

Carbide Tipped • 2 Flute

This two-piece bit set provides an economical way to create your own edge banding from the wood of your choice. This is a great way to create a finished edge on plywood or MDF panels and shelves which blends perfectly with the rest of your project.

Using this bit set is simple. Just position each bit so that it is centered on the stock thickness and make the cut. For the best results we recommend that you cut the edge band stock slightly oversize and then flush trim it after assembly.

This unique set is available in two styles: 90° or 60°.

The 90° bits can also be used to create V-grooves or double-sided chamfers while the 60° set creates a larger surface area for glue.

Carbide tipped for long life. For stock 3/4" to 1" in thickness.

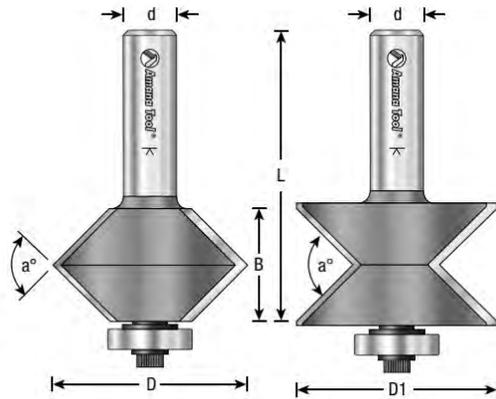
For use only in a table-mounted router.



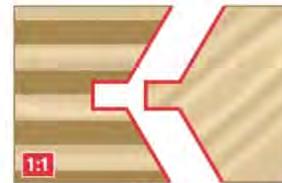
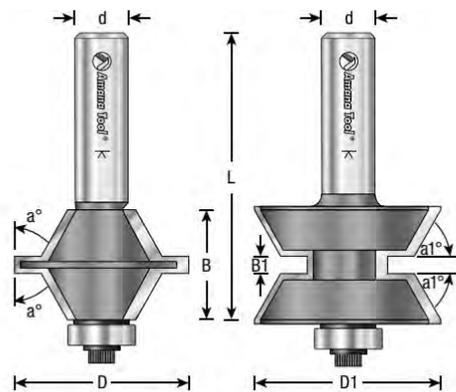
ØD	ØD1	B	B1	a°	a1°	Ød	L	Tool No.
1-25/32	1-13/16	1-1/32	—	90°	—	1/2	2-21/32	55466
1-19/32	1-45/64	1	5/32	30°	60°	1/2	2-5/8	55468

Replacement bearing for #55466 use (2) #47720.

Replacement bearing for #55468 use (1) #47720 and (1) #47718.

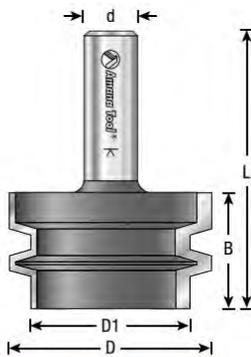
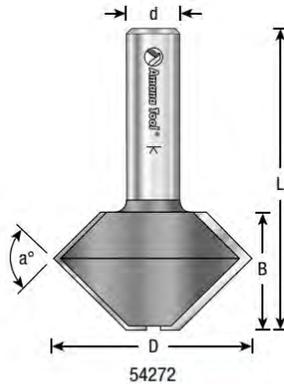
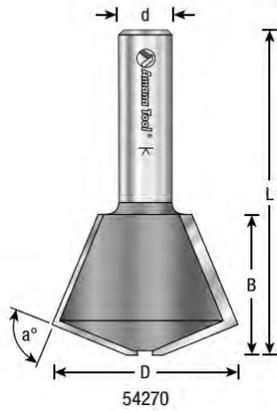


55466



55468





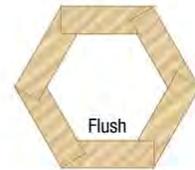
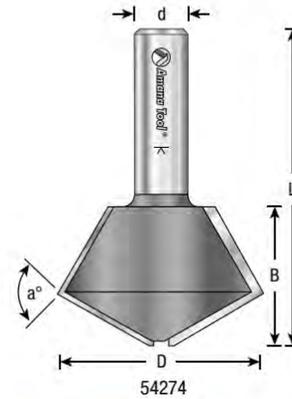
MULTI-SIDED GLUE JOINT/BIRD'S-MOUTH

Carbide Tipped • 2 Flute

If you're looking for a better way to construct multi-sided boxes, planters, and columns, then look no further. With these bits, there's no need for complex miters and time-consuming set-ups. Instead, simply choose the bit based upon the number of sides on the box, rout the joint, and assemble. Unlike a miter joint, the joint created by these bits aligns itself. And the joint stays in alignment while gluing; no more slipping and sliding out of position.



ØD	B	# Sides	a°	Ød	L	Tool No.
1-5/8	7/8	16	67.5°/22.5°	1/2	2-3/4	54275 <i>New</i>
1-5/8	1-1/4	16	67.5°/22.5°	1/2	2-7/8	54270
1-1/2	7/8	8	45°/45°	1/2	2-3/4	54273 <i>New</i>
1-3/4	1-3/64	8	45°/45°	1/2	2-21/32	54272
1-1/2	7/8	6 or 12	60°/30°	1/2	2-3/4	54271 <i>New</i>
1-7/8	1-1/4	6 or 12	60°/30°	1/2	2-7/8	54274



GLUE JOINT

Carbide Tipped • 2 Flute

The glue joint cut by this bit is strong and self-aligning. One setup produces both halves of the joint. Adjust the bit so the center of its profile aligns with the stock center. Cut one part face down, the mate face up.

For stock between 5/8" and 1" in thickness. Must be used in a table-mounted router. Since there is no guide bearing, use the router-table fence to control the cut.



ØD	ØD1	B	Ød	L	Tool No.
1-7/8	1-7/16	1-3/32	1/2	2-5/8	55388



TONGUE & GROOVE ASSEMBLY

Carbide Tipped • 2-Wing with Ball Bearing Guide

Cut perfectly fitted tongue-and-groove joints on stock between 3/8" and 1-1/8" thick with a table-mounted router and this assembly. The tool consists of an arbor with an integral flange, two identical, removable slotting cutters, and a pair of bearings. To cut tongues, sandwich one bearing between the two cutters (as in assembly 'A').

To cut slots, mount one cutter between the two bearings (as in assembly 'B').

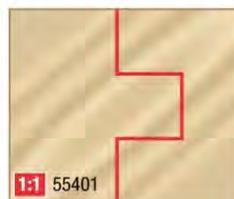
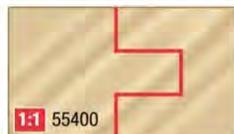
1-Piece Assembly



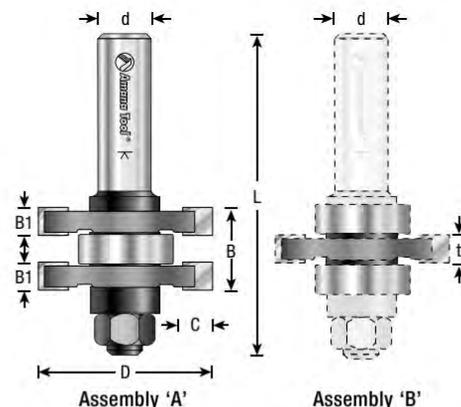
ØD	B	B1	C	Ød	t	L	Tool No.
1-5/8	3/4	1/4	3/8	1/2	1/4	3	55400 +
1-5/8	1-1/8	3/8	3/8	1/2	3/8	3-3/8	55401 •

+ Can be used on 1/2" through 3/4" thick material.

• Can be used on 3/4" through 1-1/8" thick material.



Each Tongue & Groove Assembly includes
Full Color Instruction Manual



Tongue is cut as shown in assembly 'A'.
For groove cut, reassemble the tool as shown in assembly 'B'.

TONGUE & GROOVE 2-PC. SET

Carbide Tipped • 2-Wing with Ball Bearing Guide

Each set contains two complete tongue & groove assemblies, one to cut tongues, one to cut slots.

ØD	B	B1	C	Ød	t	L	Tool No.
1-5/8	17/32	13/64	3/8	1/2	1/8	3	55408 +
1-5/8	1-1/8	7/16	3/8	1/2	1/4	3-5/16	55416 †
1-7/8	3/4	19/64	1/2	1/2	1/4	3	55407 +

* Can be used on 3/8" through 1/2" thick material.

+ Can be used on 1/2" through 3/4" thick material.

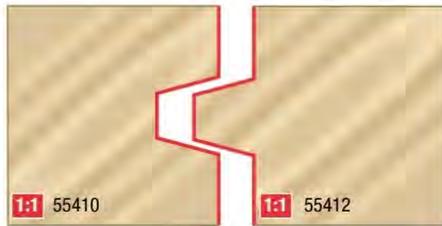
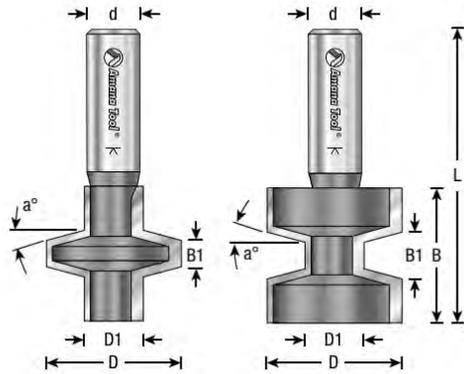
† Can be used on 1/2" through 1-1/8" thick material.



Replacement Parts for Tongue & Groove:

Description	Order #
1/4" Kerf Cutters (2 required) for Tool #55400	55354
1/2" Shank Arbor With Nut For Tool #55400	47612
1/2" Shank Arbor With Nut For Tool #55401	47613
Ball Bearing Guide (2 required)	47708
.05mm Shims (3 required)	55356
.10mm Shims (3 required)	55357
1mm Black Washer	55402
6mm Steel Spacer	55368





WEDGE TONGUE & GROOVE

Carbide Tipped • 2 Flute

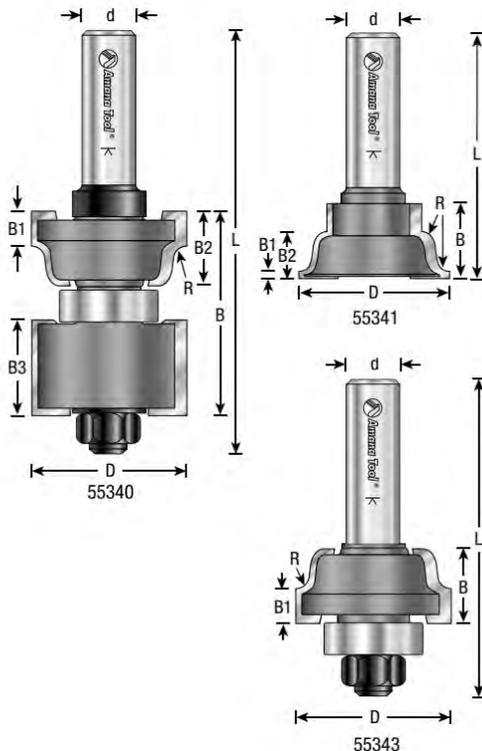
The tongue-and-groove joint cut by this two-bit set can be used for applications as diverse as assembling broad tabletops and other panels and making strip flooring. Use it on stock from 5/8" through 1-1/4" thick. The bits are available individually or as a two-piece set. Use in a table-mounted router.



ØD	ØD1	a°	B	B1	Ød	L	Description	Tool No.
1-1/4	9/16	15°	1-1/4	1/4	1/2	2-3/4	Wedge Groove	55410
1-1/4	9/16	15°	1-1/4	7/16	1/2	2-3/4	Wedge Tongue	55412
Complete Wedge Tongue & Groove 2 Piece Set (Includes 55410 & 55412)								55414



#55414 Set



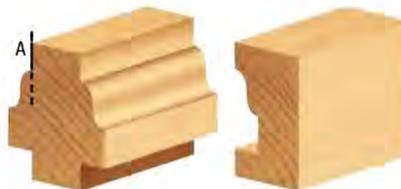
OGEE WINDOW SASH & RAIL

Carbide Tipped • 2 Flute with Ball Bearing Guide

This reversible assembly is designed to cut window sash and glass door parts, including rails, stiles, mullions, and muntins, on stock between 1-1/8" and 1-3/4" thick. Assembly includes an ogee profile cutter, a rabbet cutter, one bearing, a 1/2" shank arbor, spacers, shims, and washers. Configure as shown in the drawing to cut profile and rabbet on all parts. Switch bearing and profile cutter and replace rabbet cutter with spacers to rout the copes. Use in a table-mounted router.



ØD	R	'A' Reveal	B	B1	B2	B3	Ød	L	Tool No
1-3/8	1/8	1/4	1-55/64	5/16	43/64	7/8	1/2	3-3/4	55340
1-3/8	1/8	—	21/32	1/16	27/64	—	1/2	2-1/8	55341
1-9/64	1/8	—	43/64	5/16	—	—	1/2	2-1/8	55343



Each Ogee Window Sash & Rail Cutter includes
Full Color Instruction Manual



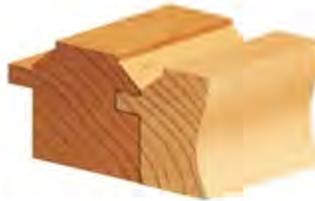
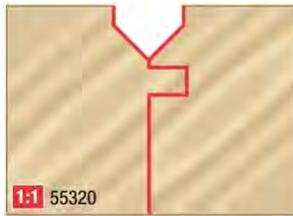
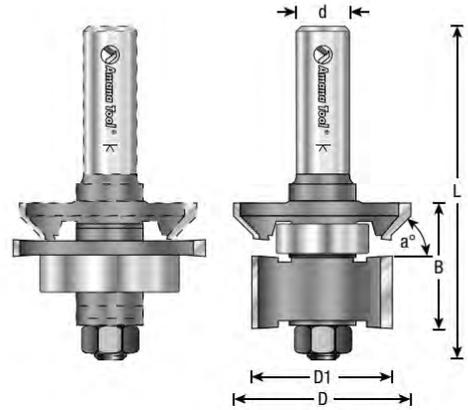
'V' PANELING ASSEMBLY

Carbide Tipped • 2-Wing with Ball Bearing Guide

This assembly is designed to cut tongue & groove joinery for solid wood paneling. A 45° 'V' (#55320), is available individually or as a set. The assembly comprises of a profile cutter, a rabbet cutter and a groove cutter, two different-size bearings, a 1/2" shank arbor, and a selection of washers, shims and spacers. Assemble the profile cutter, small bearing, and rabbet cutter as shown in the solid drawing to cut the tongue. To rout the groove, mount the groover and large bearing with the profiler, as shown in the ghosted drawing. The tool will work with stock from 1/2" through 1" thick.



ØD	ØD1	a°	B	Ød	L	Tool No.
1-13/16	1-5/16	45°	1/2 to 1-3/16	1/2	3-1/8	55320



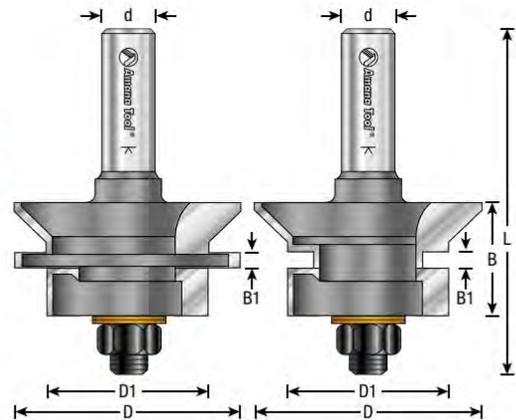
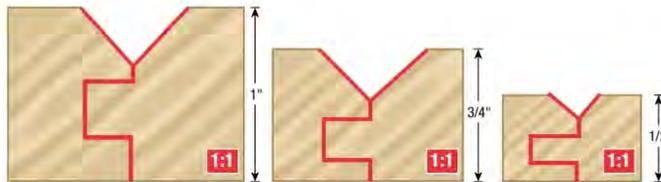
ADJUSTABLE 'V' PANEL SET

Carbide Tipped • 2-Wing

This assembly is designed to create attractive V-groove paneling. Included in this set are spacers to produce 'V' paneling from 1/2", 3/4" or 1" thick stock.



ØD	ØD1	B	B1	Ød	L	Tool No.
2-11/64	1-37/64	1-1/8	5/32 to 5/16	1/2	3-3/8	55346



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Flooring Solutions



TONGUE & GROOVE FLOORING SETS

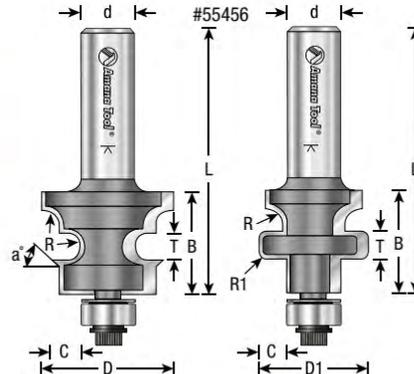
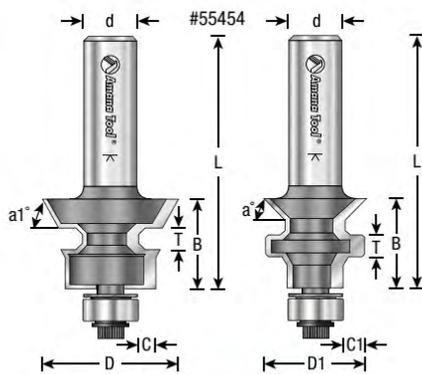
Carbide Tipped • 2 Flute with Nail Slot

Build your own wood floor with the **wood of your choice!** Amana Tool® now has the solution for this task. Set #55456 was designed for 5/8" to 3/4" stock thickness, while set #55454 is for 1/2" to 5/8" stock thickness.



Material Size	ØD	ØD1	a°	a1°	R	R1	T	C	C1	B	d	L	Tool No.
1/2 to 5/8	1-1/4	15/16	45°	60°	—	—	13/64	.163	.197	3/4	1/2	2-3/4	55454
5/8 to 3/4	1-13/64	1	45°	—	1/8	1/16	1/4	1/4	—	15/16	1/2	2-7/8	55456

Replacement bearing #47706.



Tongue & Groove Shaper Cutters for Custom Wood Flooring

See page 358.



FLOORING - STRAIGHT & ROUNDED CUTTERS

Carbide Tipped • 2 Flute • For "Undercutting"

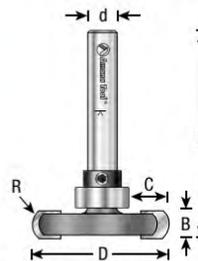
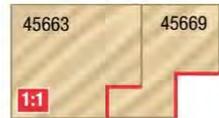
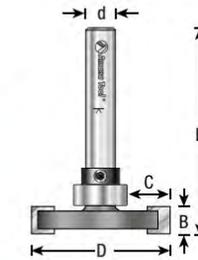
Dedicated cutters with changeable bearings. These bits are designed for slotting wood flooring, inlays and medallions.



ØD	R	C	B	Ød	L	Replacement		Type	Tool No.
						Bearing	Collar		
0.894	—	5mm	4.5mm	1/4	2-1/4	47701	47724	Straight	45663
1-1/8	—	1/4	1/8	1/4	1-7/8	47712	47724	Straight	45672
1-1/4	—	3/8	1/4	1/4	1-7/8	47701	47724	Straight	45668
1-1/4	1/8	3/8	1/4	1/4	1-7/8	47701	47724	Rounded	45676
1-1/4	—	3/16	5/32	1/4	1-7/8	47708	47724	Straight	45674
1-1/4	—	1/4	1/4	1/4	1-7/8	47714	47724	Straight	45669
1-1/4	1/8	5/16	1/4	1/4	1-7/8	47712	47724	Rounded	45678 ^⑤
1-39/64	—	9/64	7/64	1/4	1-41/64	47778	47724	Straight	45680

Note: See pages 122-124 for upper bearing bits used in flooring industry. For medallion inserts (#45481, #45460-S, #45462-S, #45464-S).

^⑤ = 5 packs available. For packs add -5, for example 45678-5.



FLUSH TRIM PLUNGE TEMPLATE

Carbide Tipped • 2 Flute with Upper Ball Bearing

A versatile bit, useful for template/pattern routing of parts, joints, and internal cuts. It can be used in handheld and table-mounted routers.

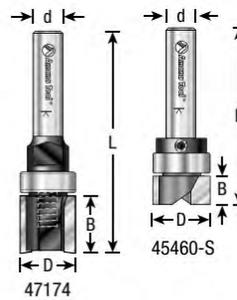


ØD	B	Ød	L	Replacement		Tool No.
				Bearing	Collar	
3/16	1/4	1/4	1-3/4	47775	—	47222-S
3/16	1/2	1/8	2	47775	—	47220
3/16	1/2	1/4	2	47775	—	47222
1/4	1/8	1/4	2	47723 (2)	—	47221-S
1/4	1/4	1/8	1-15/16	47723	—	47223-S
1/4	1/4	1/4	2-1/2	47723	—	47224-S
1/4	3/4	1/4	2-7/16	47723	—	47224
1/2	3/8	1/4	2-1/4	47701	47724	45481 *
1/2	1/4	1/4	1-5/8	47701	47724	45460-S
1/2	1/2	1/4	1-15/16	47706	—	47174 †
1/2	1/2	1/4	2	47701	47724	45487
1/2	3/4	1/4	2-1/4	47701	47724	45491

* For use on hardwood & flooring medallions. See page 122 for additional flooring bits.

† Replaces Ocemco TA-170. See page 132 for more info.

Undercut Floor King™ Saw Blades For Crain® & Roberts® Saws
visit www.timberline-amana.com



INDUSTRIAL

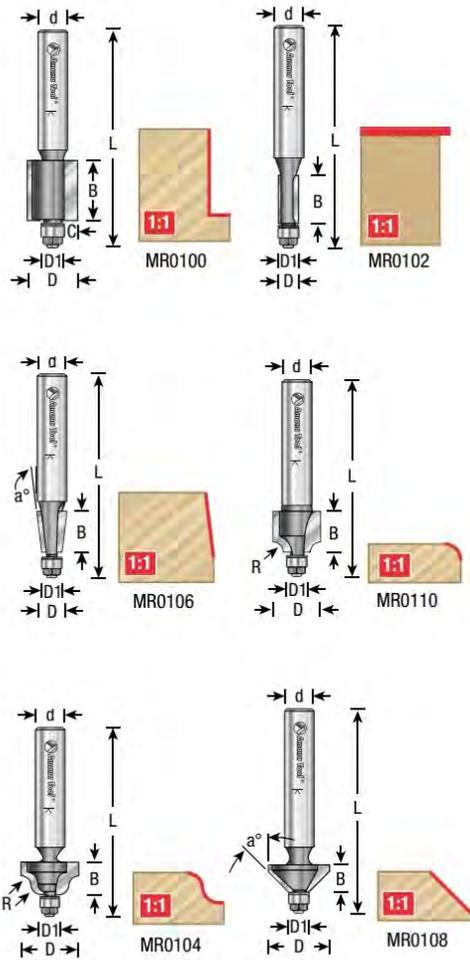
Miniature

with Mini 3/16" Ball Bearing Guide

- Bearing stays cool unlike brass pilots
- Rout intricate contours for delicate projects
- Perfect for crafters & hobbyists
- Lettering/signmaking
- Fine musical instruments



ONE OF THE SMALLEST DIAMETER PLUNGE BITS WITH BALL BEARING IN THE INDUSTRY!



MINIATURE BITS

Carbide Tipped with Mini 3/16" Upper Ball Bearing Guide

Each Amana Tool® exclusive miniature bit features a 3/16" diameter ball bearing guide that is much smaller than other ball bearing router bits, making the bits ideal for delicate projects such as signmaking, building musical instruments, routing letter edges, flush trimming and plunging tight corners. Great for confined areas and high production. Can be used on wood, plastic and aluminum (except rabbet bits cannot be used on aluminum).



We've created the smallest bearing guides in the industry!
Trim and shape small details in tight corners without the scoring and burning left behind by solid pilot bits.



Type	ØD	ØD1	R	a°	B	Ød	L	Tool No.
Rabbet	5/16	3/16	—	—	1/2	1/4	2	MR0101
Rabbet	7/16	3/16	—	—	1/2	1/4	1-7/8	MR0100
Flush Trim	3/16	3/16	—	—	7/16	1/8	1-23/32	MR0105
Flush Trim	3/16	3/16	—	—	7/16	1/4	2	MR0102 ⑤
Flush Trim	3/16	3/16	—	—	3/4	1/4	2-7/16	MR0103 ⑤
Roman Ogee	9/16	3/16	3/32	—	5/16	1/4	1-7/8	MR0104
Bevel Trim	1/4	3/16	—	7°	3/8	1/4	1-7/8	MR0106
Bevel Trim	1/2	3/16	—	22.5°	1/2	1/4	1-7/8	MR0107
Bevel Trim	9/16	3/16	—	45°	1/4	1/4	1-7/8	MR0108 ⑤
Corner Rounding	5/16	3/16	1/16	—	5/16	1/4	1-13/16	MRR108
Corner Rounding	3/8	3/16	3/32	—	3/8	1/4	1-13/16	MR0110
Corner Rounding	7/16	3/16	1/8	—	3/8	1/4	1-13/16	MR0112
Corner Rounding	1/2	3/16	5/32	—	3/8	1/4	1-13/16	MR0114
Corner Rounding	9/16	3/16	3/16	—	3/8	1/4	1-13/16	MRR110
Corner Rounding	11/16	3/16	1/4	—	13/32	1/4	1-7/8	MRR112
3-Pc Set: MR0108, MR0110 & MR0102								AMS-MRSET <i>New</i>
8-Pc Set: MR0101, MR0102, MR0103, MR0104, MR0108, MRR108, MR0110 & MR0112								AMS-MR001 <i>New</i>

Replacement bearing #47775; Hex nut #67135; Lock washer #67129.
⑤ = 5 packs available. For packs add -5, for example MR0102-5.

⚠ Recommendation: The miniature router bits with 3/16" and 1/4" diameter ball bearing guides were designed for use in intricate and delicate projects with or without tight spaces. Do not cut material more than half the diameter of the bearing and slow down feed to reduce load. Not guaranteed due to their extremely small size.

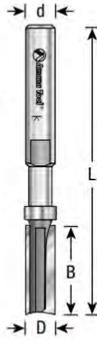
Bits are not guaranteed due to extremely small diameter.

FLUSH TRIM PLUNGE TEMPLATE

Carbide Tipped with Mini Upper Ball Bearing Guide

These Amana Tool® miniature bit features either a 3/16" or 1/4" diameter ball bearing guide that is much smaller than other ball bearing router bits on the market, making the bits ideal for delicate projects such as signmaking, building musical instruments, routing letter edges, flush trimming and plunging tight corners and confined areas and high production.

The bits can fit into tight spaces and sharp corners where a larger diameter bearing cannot. The series' innovative design also delivers a consistent edge that eliminates hand sanding or filing, thus saving users time and labor. Can be used on wood, plastic and aluminum.



**ONE OF THE SMALLEST
DIAMETER PLUNGE BITS WITH BALL BEARING
IN THE INDUSTRY!**

ØD	B	d	L	Repl. Bearing	Tool No.
3/16	1/2	1/8	2	47775 (3/16)	47220
3/16	1/4	1/4	1-3/4	47775 (3/16)	47222-S
3/16	1/2	1/4	2	47775 (3/16)	47222
1/4	1/8	1/4	2	47723 (2) (1/4)	47221-S
1/4	1/4	1/8	1-15/16	47723 (1/4)	47223-S
1/4	1/4	1/4	1-15/16	47723 (1/4)	47224-S
1/4	3/4	1/4	2-7/16	47723 (1/4)	47224

Attention: Due to extremely small diameter (D), reduce RPM and Feed Rates (IPM) by 30-50% to prevent tool breakage.

Bits are not guaranteed due to extremely small diameter.

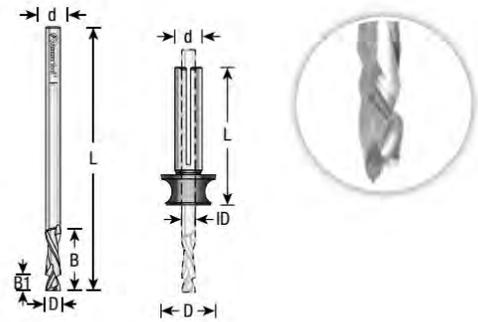
⚠ Recommendation: The miniature router bits with 3/16" and 1/4" diameter ball bearing guides were designed for use in intricate and delicate projects with or without tight spaces. Do not cut material more than half the diameter of the bearing and slow down feed to reduce load. Not guaranteed due to their extremely small size.

⚠ Warning: Maximum RPM=35,000

MINI COMPRESSION SPIRAL & ADAPTER

Solid Carbide

Unique extra small diameter solid carbide compression spiral bit for intricate work, signmaking, cutting out lettering and shapes. Features special adapter to fit handheld trim routers, routers and CNC machines.



Description	ØD	ID	B	B1	Ød	L	Tool No.
Set Includes Two #46180 Bits and One #47632 Router Adapter							46184
S.C. Compression Bit	1/8	—	13/16	7/32	1/8	2-1/2	46180
Router Adapter	1/2	1/8	—	—	1/4	1-1/4	47632



INDUSTRIAL

Rattle-Free Cabinet Doors

Designed for Undersized Plywood



instyle™
& RAIL SYSTEM

CUT PRECISE GROOVES TO PROVIDE UNDERSIZED PLYWOOD VENEERED PANELS WITH A SNUG, RATTLE-FREE FIT.

- Adjust the panel groove width (3/16" to 9/32" for 1/4" plywood), (7/16" to 17/32" for 1/2" plywood).
- Cuts frame stock from 5/8" through 1-1/4" thickness.
- Designed to cut precise grooves to provide undersized plywood veneered panels with a snug rattle-free fit.
- Each set includes 2 pcs. (1 for stile cuts and 1 for rail cuts and shims).



"Thick" Configuration Assembly
7/16" to 17/32" for 1/2" plywood panel (1-1/4" doors)

"Thin" Configuration Assembly
3/16" to 9/32" for 1/4" plywood panel (3/4" doors)



Each Instyle & Rail System™ includes
Full Color Instruction Manual



[Watch Video Online](http://www.amanatool.com/videos)
www.amanatool.com/videos



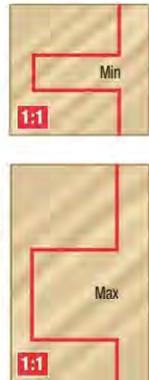
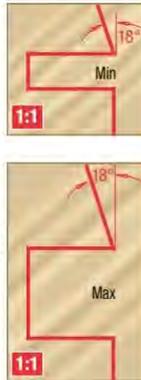
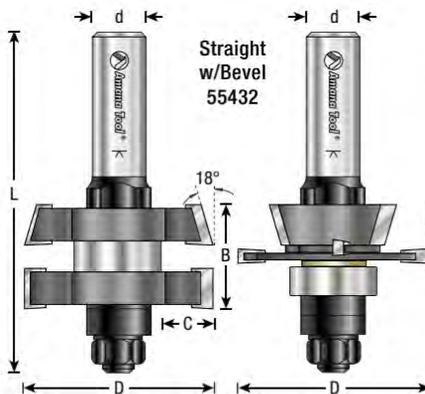
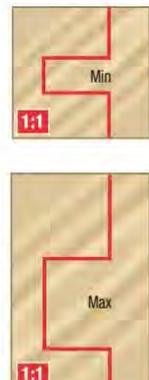
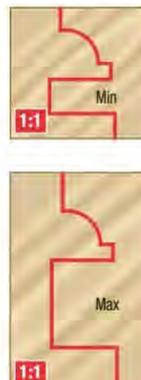
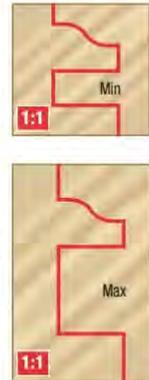
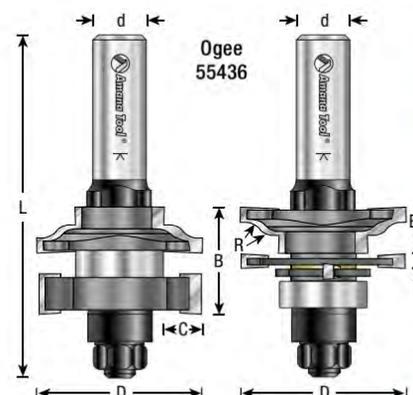
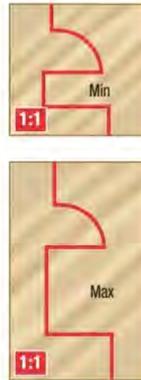
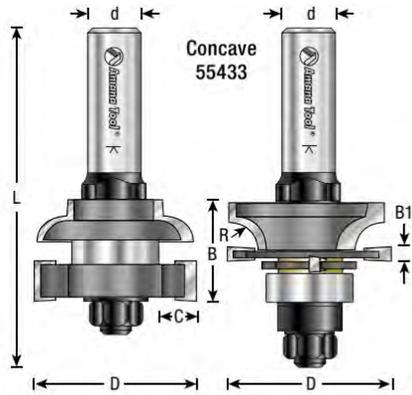
ADJUSTABLE FLAT PANEL STILE & RAIL SETS

Carbide Tipped with Ball Bearing Guide • 5/8" to 1-1/4" Material

Bits in these sets have profile and groove or rabbet cutters and ball-bearing guide mounted on a 1/2" shank. Respacing of the components should only be necessary – using the provided shims – after the cutters have been resharpened. Guide straight cuts with the fence; use the pilot bearing only for cuts on curved rails or stiles.



ØD	R	B	B1 for		C	Ød	L	Type	Tool No.
			1/4" Plywood	1/2" Plywood					
1-5/8	1/4	5/8 to 1-1/4	3/16 to 9/32	7/16 to 17/32	3/8	1/2	3-11/32	Concave	55433
1-5/8	5/32	5/8 to 1-1/4	3/16 to 9/32	7/16 to 17/32	3/8	1/2	3-11/32	Ogee	55436
1-5/8	3/16	5/8 to 1-1/4	3/16 to 9/32	7/16 to 17/32	3/8	1/2	3-11/32	Bead	55437
1-5/8	—	5/8 to 1-1/8	0.181 to 0.279	0.431 to 0.529	3/8	1/2	3-3/8	Mission (Straight)	55438
1-7/8	—	5/8 to 1-1/4	3/16 to 9/32	7/16 to 17/32	1/2	1/2	3-11/32	Mission (Straight)	55439
1-7/8	—	5/8 to 1-1/4	3/16 to 9/32	7/16 to 17/32	1/2	1/2	3-11/32	Straight with Bevel	55432



ADJUSTABLE MISSION STYLE TONGUE & GROOVE SET

Insert Carbide • For 5/8" to 1-3/16" Material

Adjust the panel groove width from 6.1mm to 6.6mm using the easy to use adjustment knob – no shims necessary.

The perfect fix for undersized plywood flat panel "Mission Style, Arts & Crafts and Shaker" cabinet doors!

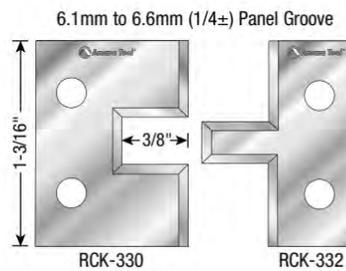
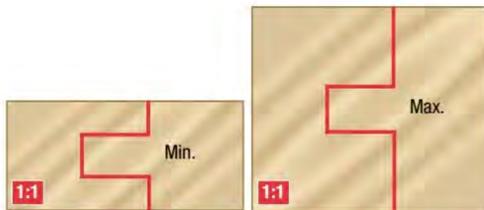
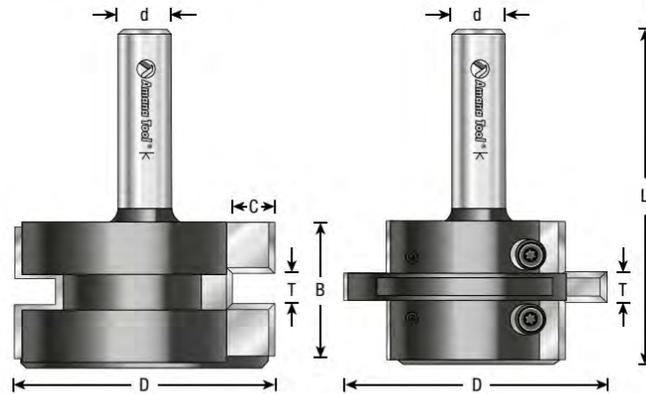
Set includes unique adjustment system

- Designed to cut precise grooves to provide undersized plywood veneered panels with a snug rattle-free fit.
- Each set includes 2 pcs. (1 for stile cuts and 1 for rail cuts).



ØD	B	Ød	C	T	L	Max. RPM	Tool No.
2-3/8	1-3/16	1/2	3/8	6.1mm to 6.6mm(1/4±)	2-15/16	18,000	RC-4022

Replacement knives sold individually (2 replacement knives required per bit).
 Replacement screw #67117 & key #5005.



See Page 358-359 for Instile & Rail System™ Tongue & Groove Shaper Cutters Sets.

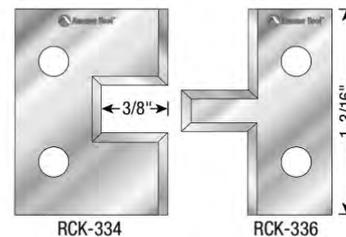
See Page 379 for Instile & Rail System™ Tongue & Groove Insert Carbide Shaper Cutter Set.



Top View

Optional Knives For: 5.4mm to 6.0mm Panel Groove

- For 5.5mm undersized 1/4" plywood.
- For 5.9mm oversized 1/4" veneered plywood.



2-PIECE STILE & RAIL SETS

Carbide Tipped • 2-Wing with Ball Bearing Guide

Our stile & rail sets give you two complete bits, one for doing the rail cuts, one for the stiles. Make cabinet doors and all varieties of frame-and-panel assemblies for furniture and architectural applications. These sets are offered in two configurations, one for working material up to 1" thick, the other for material between 5/8" and 7/8" in thickness. The same three profiles are available in either configuration.

3/4" Material

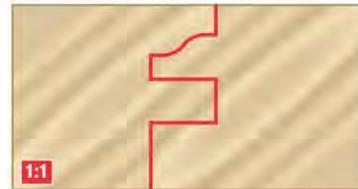
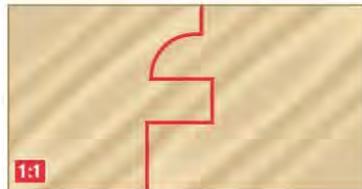
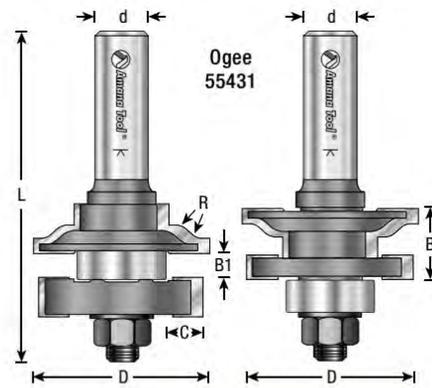
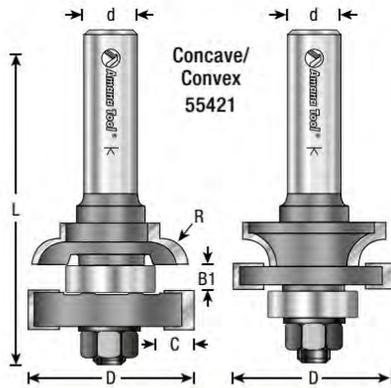
Bits in these sets have profile and groove or rabbet cutters and ball-bearing guide mounted on a 1/2" shank. Respacing of the components should only be necessary – using the provided shims – after the cutters have been resharpened.

Use in a table-mounted router. Guide straight cuts with the fence; use the pilot bearing only for cuts on curved rails or stiles.



ØD	R	B	B1	C	Ød	L	Type	Tool No.
1-5/8	1/4	11/16	1/4	3/8	1/2	3-1/8	Concave	55421
1-5/8	1/4	11/16	1/4	3/8	1/2	3-1/8	Ogee	55431

Complete listing of replacement parts can be found online.



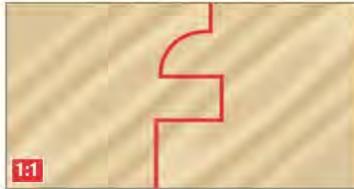
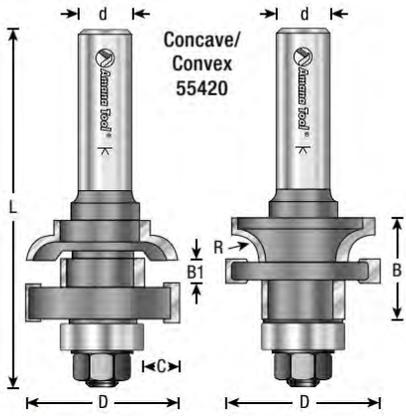
2-PIECE STILE & RAIL SETS

Carbide Tipped • 2-Wing with Ball Bearing Guide

3/4" to 1" Material

In addition to the components provided with sets of the first type, these sets include two trim cutters for stock 7/8" through 1" in thickness. (These trim cutters can be removed for making bearing-guided cuts on stock under 7/8" thick.)

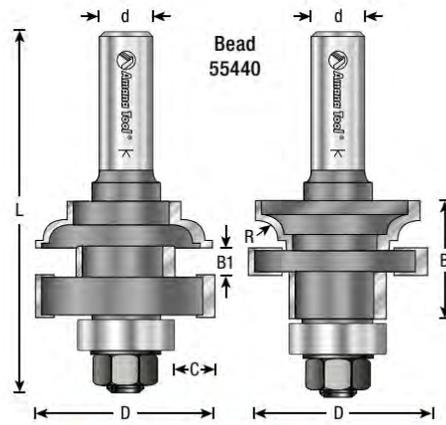
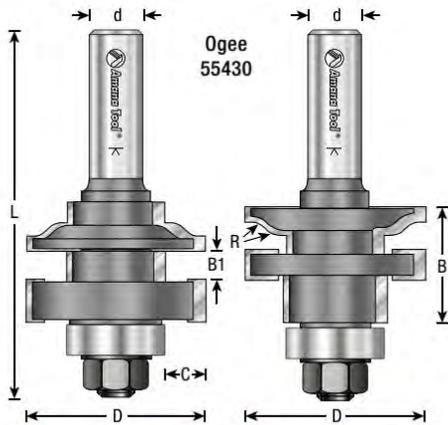
Use in a table-mounted router. Guide straight cuts with the fence, setting it tangent to the trim cutters. Use the pilot bearing only for cuts on curved rails or stiles; for cuts on curved parts 7/8" to 1" thick, a template must be used.



ØD	R	B	B1	C	Ød	L	Type	Tool No.
1-5/8	1/4	1-1/16	1/4	3/8	1/2	3-5/16	Concave	55420
1-5/8	1/4	1-1/16	1/4	3/8	1/2	3-5/16	Ogee	55430
1-5/8	3/16	1-1/16	1/4	3/8	1/2	3-5/16	Bead	55440

Individual Components:

Description	Qty. Required for Tool No.			Order #
	55420	55430	55440	
Ogee Profile Cutter	—	1	—	55352
Bead Profile Cutter	—	—	1	55442
Bead Cope Cutter	—	—	1	55444
.250" Groove Cutter	1	1	1	55354
.865" Ball Bearing	2	2	2	47708
1/2" Shank Arbor With Nut	2	2	2	47622
.002" Shims	4	4	4	55356
.040" Shims	4	4	4	55402
.004" Shims	4	4	4	55357
3.4mm Spacers	4	4	4	55367



REVERSIBLE STILE & RAIL ASSEMBLIES

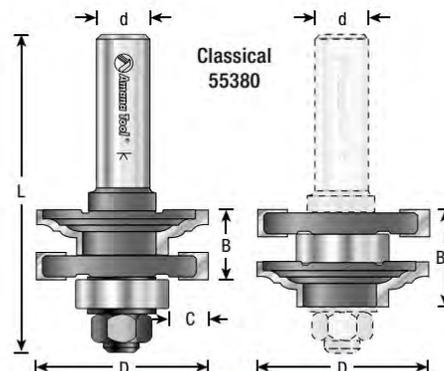
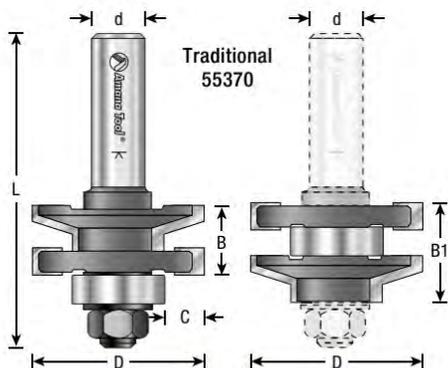
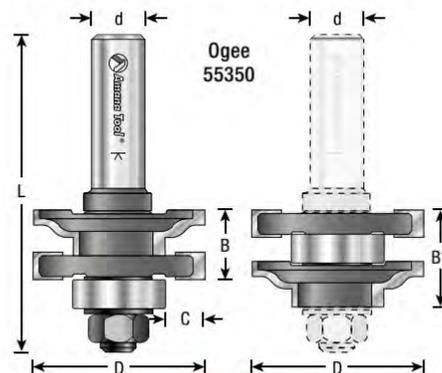
Carbide Tipped • 2-Wing with Ball Bearing Guide

3/4" Material

Cut both the stiles & rails with a single economical assembly. Switch from the stile cut to the rail cut simply by rearranging the cutters and bearing on the arbor. Because the profile and the cope are cut with the same cutter, you get a perfect fit. The assembly order for each setup is shown in the drawing. Use in a table-mounted router. Guide straight cuts with the fence; use the pilot bearing only for cuts on curved rails or stiles.

Pattern ØD	Type	C	B	B1	Ød	L	Tool No.
1-5/8	Ogee	3/8	11/16	7/8	1/2	3	55350
1-5/8	Traditional	3/8	11/16	7/8	1/2	3	55370
1-5/8	Classical	3/8	11/16	7/8	1/2	3	55380

Note: Stile & Rail assemblies can be used on 5/8" through 7/8" material.



ONE PIECE STILE & RAIL

Carbide Tipped • 2 Flute

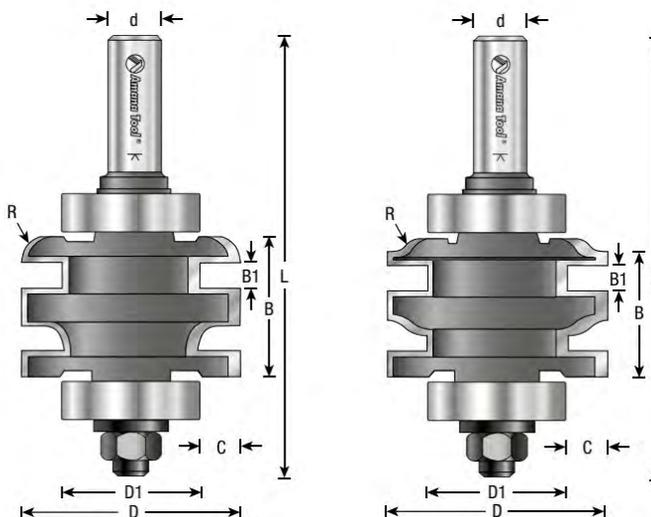
These one piece stile & rail bits are an easy and effective technique for creating cabinet door frames. You simply adjust the height of the bit accordingly in the router table to cut the profile cut (with bit lowered in the table) and the cope cut (with bit raised in the table).

For 3/4" thick frames.



ØD	ØD1	R	B	B1	C	Ød	L	Tool No.
2	1-1/4	7/32	1-9/32	15/64	3/8	1/2	4-3/32	55460
2	1-1/4	7/32	1-9/32	15/64	3/8	1/2	4-3/32	55462

Replacement parts: Bearing #47744 (2 required); Nut #67131; Washer #67125.



CABINET DOOR & DRAWER EDGE FRONT FACE EDGE

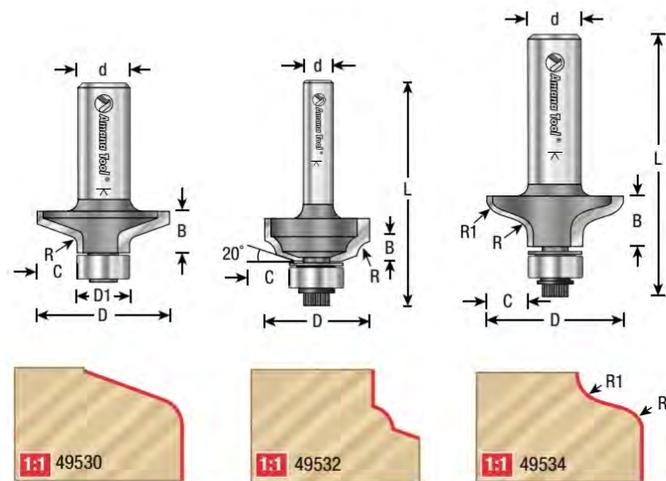
Carbide Tipped • 2 Flute

Cuts a decorative edge on cabinet fronts. Shallow design will also work well with European hinges.

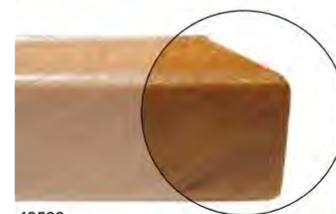


ØD	ØD1	R	R1	R2	B	C	Ød	L	Tool No.
1-1/4	1/2	5/64	—	—	3/8	3/8	1/2	1-7/8	49530
15/16	—	9/64	—	—	1/4	7/32	1/4	1-5/8	49532
1-1/4	—	7/32	9/64	—	7/16	3/8	1/2	2-25/64	49534
1-9/16	1/2	9/64	11/32	—	7/16	17/32	1/2	2-19/64	49535
1-3/4	1/2	7/64	17/32	3/32	7/16	5/8	1/2	2-1/2	49536
1-3/4	1/2	1/8	31/64	—	7/16	5/8	1/2	2-1/4	49537
1-3/4	1/2	1/4	17/64	—	7/16	5/8	1/2	2-1/2	49538

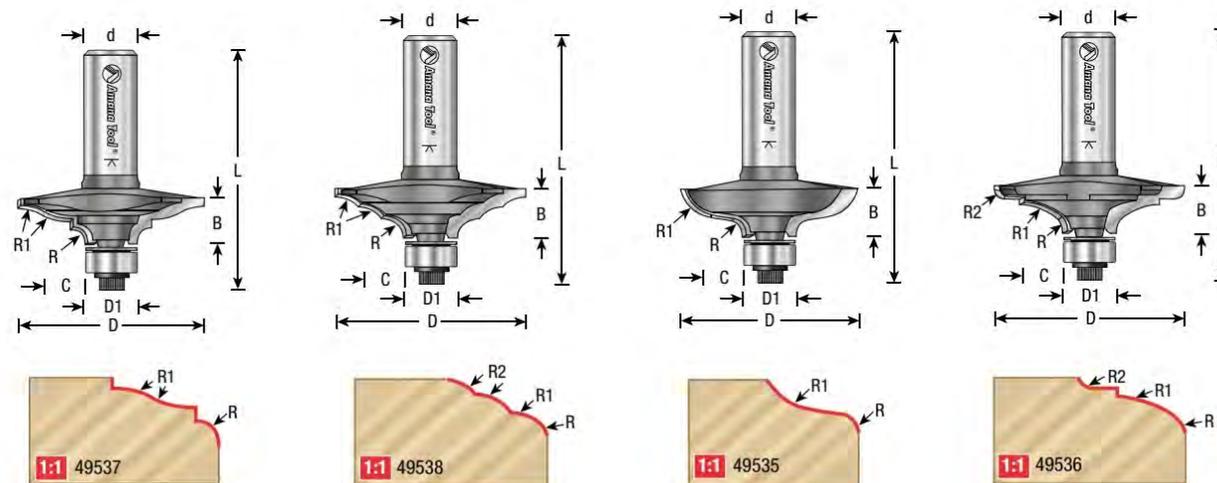
Replacement bearing #47706.



49537



49530





4-PC. CNC SIMULATED MDF SHAKER DOOR SET New



1/4" & 1/2" Shank • Solid Carbide & Insert Carbide

Build simulated MDF raised panel doors and door edges. Tools are designed to give the appearance of a shaker door in MDF or solid panels. Using these tools, you can create the door styles with as many flat panels sections as you like, 1, 2, 3 or more.



AMS-262

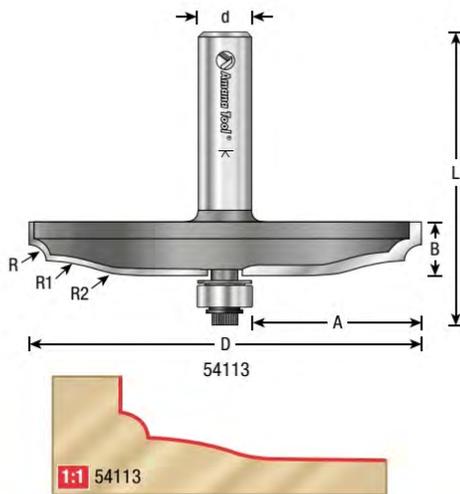


4 Steps to Create Simulated MDF Doors!



Each set includes
Full Color Instruction Manual

Includes	Shank Dia	Set No.
RC-1108, 46200-K, RC-2254, 45408-3, HMA-12 (1 Knives)	1/4 & 1/2	AMS-262
46170-K, 45525, 45624-K, 46200-K	1/4	AMS-263



RAISED PANEL

Carbide Tipped • 2 Flute with Ball Bearing Guide

Create raised panels for cabinet doors, frame-and-panel furniture, and architectural paneling with a raised-panel bit. The cutter forms a fillet to delineate the raised field, a shaped band around the field, and an integral tongue to fit the panel groove in the frame members. The profile contour and the reveal width varies.

Must be used in a table-mounted 3+ horsepower router and run at reduced speed. Use these bits for panels with curved edges. Multiple passes recommended.

Architectural



ØD	'A' Reveal	R	R1	R2	B	Ød	L	Tool No.
3-9/16	*1-17/32	5/32	1-23/32	57/64	1/2	1/2	2-43/64	54113

Replacement bearing #47706.



RAISED PANEL (CONT'D)

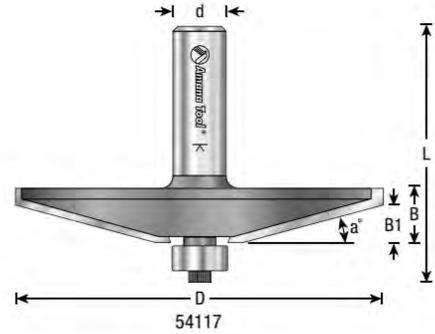
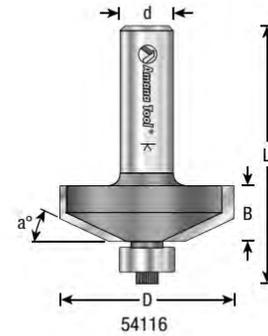
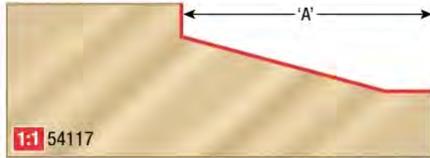
Traditional



ØD	*A' Reveal	a°	B	B1	Ød	L	Tool No.
1-5/8	*9/16	25°	1/2	—	1/2	2-3/8	54116
3-3/8	*1-7/16	15°	1/2	5/16	1/2	2-3/8	54117 ▲14

Replacement bearing #47706.

▲ Warning: Maximum RPM ▲14=14,000



* Note: Reveal ('A') on all tools shown above, reflects the total length of cut. Therefore, you must deduct 3/8" (usually) for allowing the panel to recess into the frame.

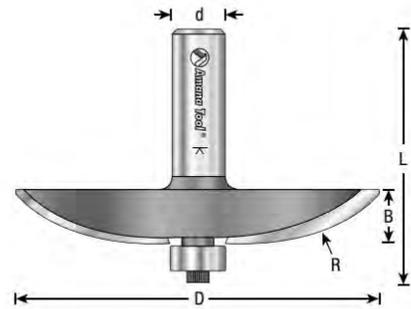
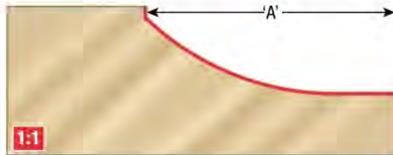
Cove



ØD	*A' Reveal	R	B	Ød	L	Tool No.
3-3/8	*1-7/16	1-9/16	1/2	1/2	2-13/16	54119 ▲14

Replacement bearing #47706.

▲ Warning: Maximum RPM ▲14=14,000



HISTORICAL SHAKER DOOR

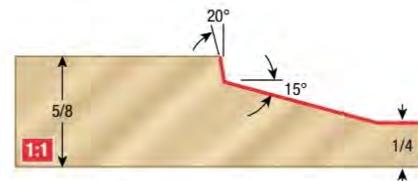
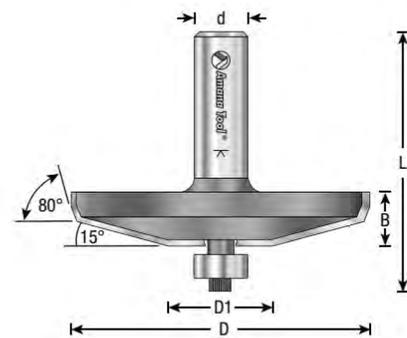
Carbide Tipped • 2 Flute

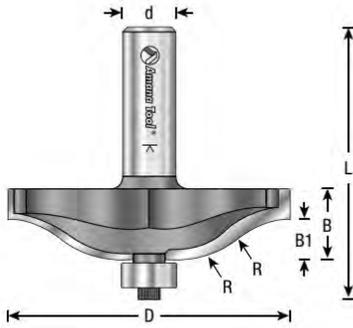
7/8" Frame Material and 5/8" Panel Material

If you'd like to reproduce exact Shaker details on your next project, we've got the bits that you need. This Shaker door set creates a short, steep 20 degree beveled panel edge just like doors on Shaker originals. A simple thumbnail profile along the inside edges of the frame duplicates the original profile to complete the authentic look.



ØD	D1	B	Ød	L	Type	Tool No.
2-13/16	1	33/64	1/2	2-1/64	Raised Panel	54133





RAISED PANEL (CONT'D)

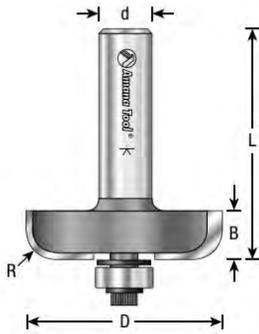
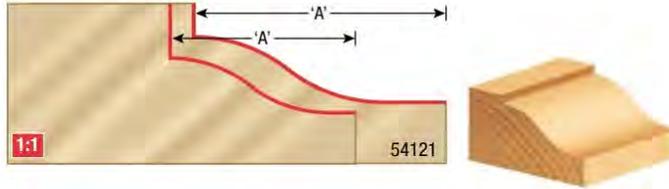
Ogee



ØD	**A' Reveal	R	B	B1	Ød	L	Tool No.
2-5/8	*1-1/16	3/4	5/8	5/16	1/2	2-1/2	54118 ▲ ²⁰
3-3/8	*1-7/16	7/8	5/8	3/8	1/2	3	54121 ▲ ¹⁴

Replacement bearing #47706.

▲ Warning: Maximum RPM ▲¹⁴ = 14,000; ▲²⁰ = 20,000



RAISED PANEL BACK CUTTER

Carbide Tipped • 2 Flute

Designed to cut back side of raised panels for a flush alignment with door frames. This cutter can be used with any of our raised panel router bits found on pages 216-218.



ØD	**A' Reveal	R	B	Ød	L	Tool No.
1-3/4	5/8	1/4	7/16	1/2	2-1/16	54278

Replacement bearing #47706.



* Note: Reveal ('A') on all tools shown above, reflects the total length of cut. Therefore, you must deduct 3/8" (usually) for allowing the panel to recess into the frame.

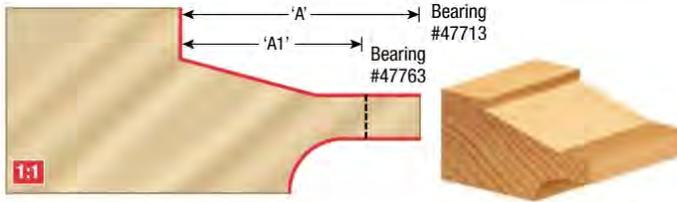
RAISED PANEL WITH BACK CUTTER

Carbide Tipped • 2 Flute with Ball Bearing Guide

Raised panels fit standard panel grooves, even when the panel thickness exceeds 5/8". As the main cutter raises the front of the panel, the back cutter mills the back to produce a standard-thickness tongue around the panel. Each tool is supplied with two different guide bearings, enabling you to stage cuts on curved edges effectively and safely. All tools have 1/2" shanks. Must be used in a table-mounted 3+ horsepower router and run at reduced speed. Multiple passes recommended.

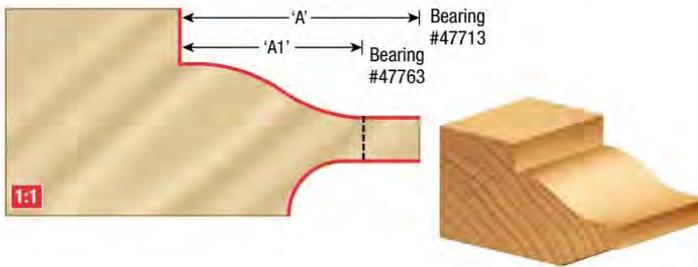
Traditional

ØD	ØD1	'A'* Reveal	** 'A1'	a°	R	B	B1	Ød	L	Tool No.
3-3/8	2-1/8	1-3/8	1-1/16	15°	5/16	1-1/16	1/2	1/2	2-15/16	54227 ▲12



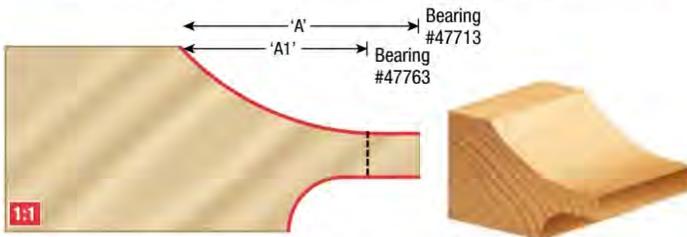
Ogee

ØD	ØD1	'A'* Reveal	** 'A1'	R	R1	B	B1	Ød	L	Tool No.
3-3/8	2-1/8	1-3/8	1-1/16	7/8	5/16	1-1/16	5/8	1/2	3-1/16	54221 ▲12



Cove

ØD	ØD1	'A'* Reveal	** 'A1'	R	R1	B	B1	Ød	L	Tool No.
3-3/8	2-1/8	1-3/8	1-1/16	1-9/16	5/16	1-1/16	1/2	1/2	2-15/16	54229 ▲12



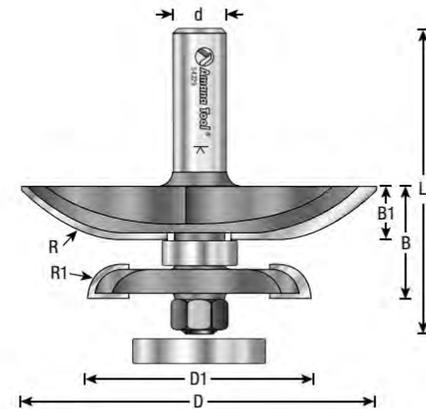
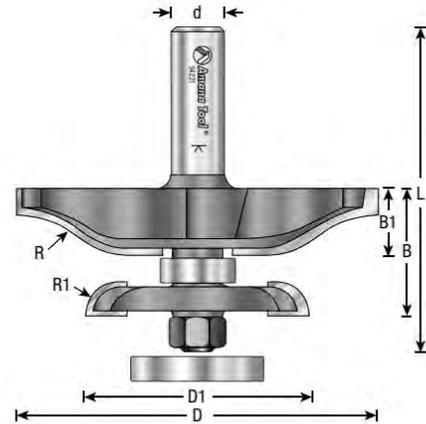
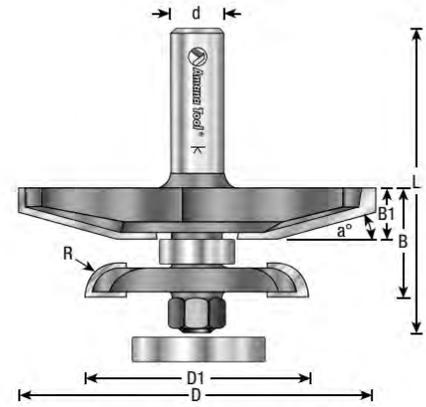
* **Note:** Reveal ('A') on all tools shown above, reflects the total length of cut. Therefore, you must deduct 3/8" (usually) for allowing the panel to recess into the frame.

** **Note:** To receive ('A1') use bearing #47713. Bearing included with tool.

Replacement bearing #47713 (8mm x 16mm) and #47763 (8mm x 1-1/4").

Back Cutter #55435 = 1/4" Kerf; 5/16" Radius Cutter.

▲ **Warning:** Maximum RPM ▲12 = 12,000





ARCHITECTURAL DOOR

Carbide Tipped • 2 Flute with Ball Bearing Guide



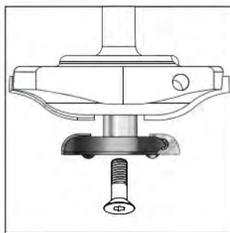
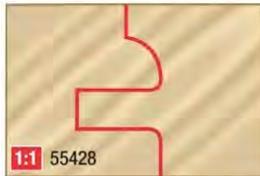
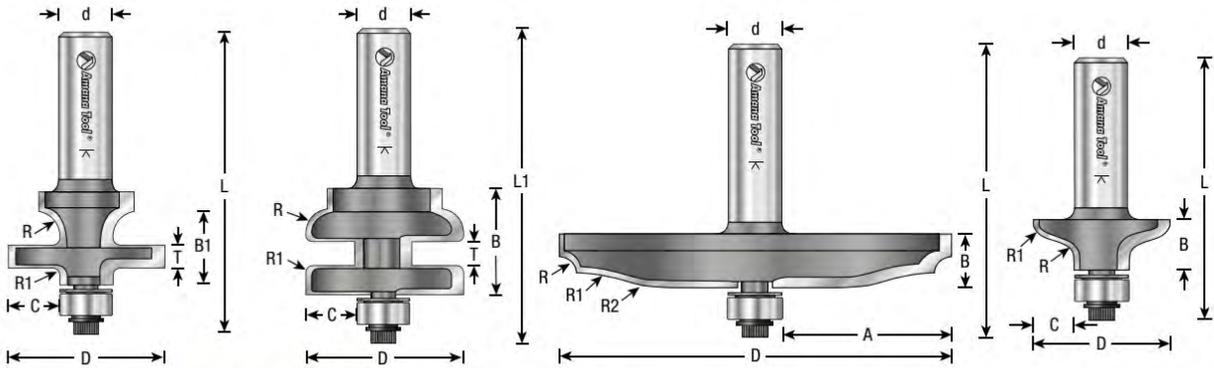
ØD	B	B1	R	R1	R2	C	A	T	Ød	L	L1	Type	Tool No.
1-15/32	1	55/64	1/4	5/64	—	1/2	—	7/32	1/2	2-13/16	2-15/16	Stile & Rail Set	55428
3-9/16	1/2	—	5/32	1-23/32	57/64	—	1-17/32	—	1/2	2-1/4	—	Raised Panel	54113
1-1/4	7/16	—	7/32	9/64	—	3/8	—	—	1/2	1-15/16	—	Door Edge	49534

Replacement bearing #47706.

Classical Raised Panel #54113

Stile & Rail #55428

Door Edge #49534



BACK CUTTER

(Optional) • Insert Carbide • 2 Flute

For use in above insert raised panel cutters.



ØD	B	R	Repl. Knife	Tool No.
2-1/8	23/64	5/16	RCK-232	RC-4102



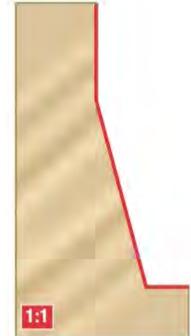
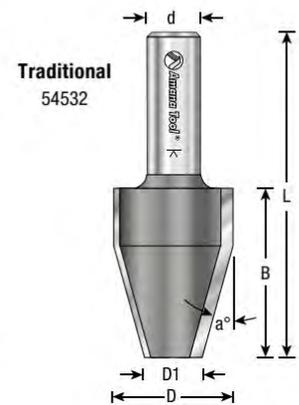
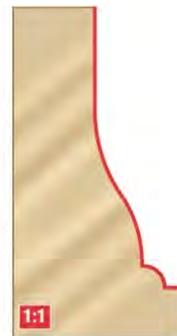
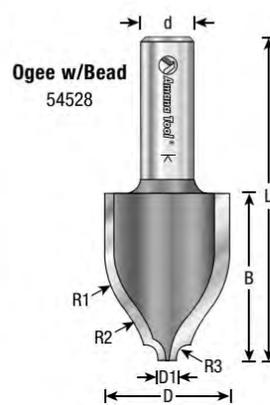
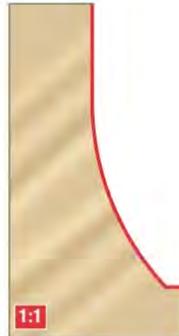
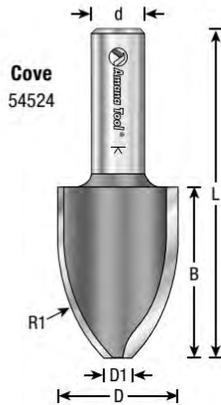
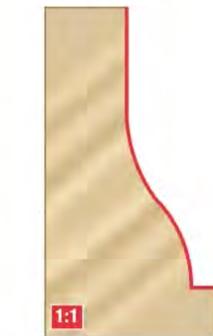
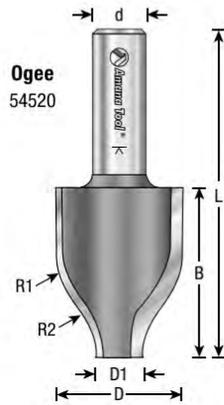
VERTICAL RAISED PANEL

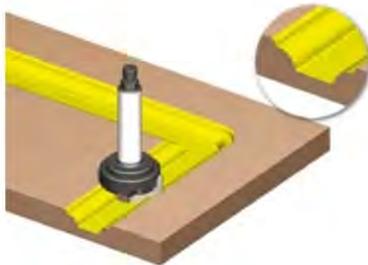
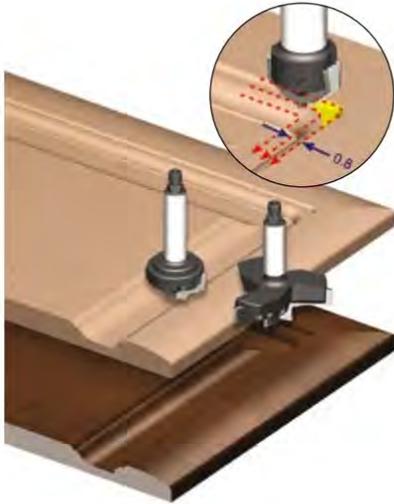
Carbide Tipped • 2 Flute

Raised panels with a low-horsepower, fixed speed router using these VERTICAL raised panel bits. You must do the work on a router table, with the work on edge, braced against the fence. Arched or curved shapes (i.e.: "cathedral" door panels) cannot be routed. To prolong tool life and get the best cut finish, several passes are recommended.



ØD	ØD1	B	a°	R1	R2	R3	Ød	L	Type	Tool No.
1-3/16	7/16	1-5/8	—	7/8	23/32	—	1/2	3-1/8	Ogee	54520
1-1/8	9/32	1-5/8	—	1-9/16	—	—	1/2	3-1/8	Cove	54524
1-3/16	3/16	1-5/8	—	7/8	23/32	1/8	1/2	3-1/8	Ogee w/Bead	54528
1-1/8	19/32	1-5/8	15°	—	—	—	1/2	3-1/8	Traditional	54532





CNC MULTI PROFILE

Insert Carbide • For MDF and Wood Cabinet Doors

VIOLA STYLE

W = width of the frame.

H = maximum depth of the frame.

The dimension W determines the frame width.

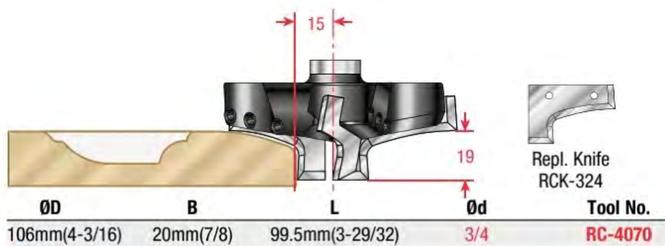
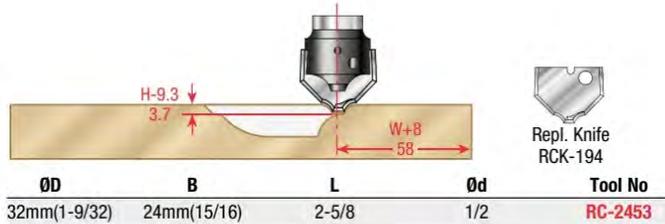
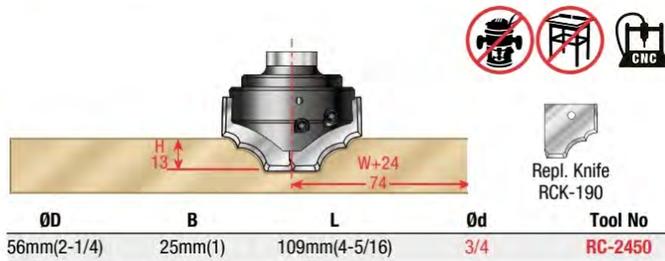
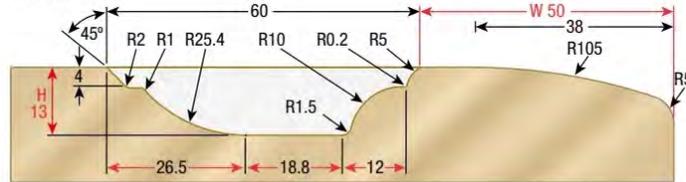
The dimension H determines the profile depth.

In the example shown, $W = 50$ and $H = 13$.

Any change in the dimensions of the frame width and depth should be done according to the formula that is written on each tool drawing.

Excellent for Cutting:

- MDF
- Wood



▲ Warning: Maximum RPM=10,000

CNC feed and speed available online

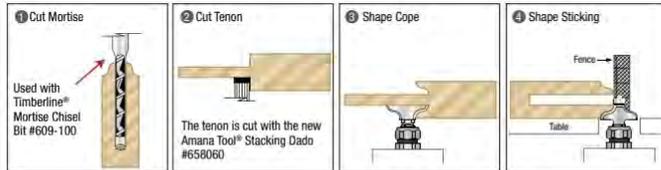
STUB SPINDLE & COPE CUTTER DOOR SYSTEM

Carbide Tipped • 2 Flute



Want the beauty of traditional cope and stick doors with the strength and longevity of true mortise-and-tenon joinery? Our design allows you to make beautiful doors with tenons of any length you choose.

This unique door-making system utilizes a "stub" spindle & cope cutter arrangement. The counterbored cope cutter is secured to the spindle with a cap screw. A matching profile bit is used to shape the decorative ogee "sticking" along the edges of the stiles and rails. As the cope is cut on the ends of the rails, the tenon passes over the top of the bit unobstructed.



Each Stub Spindle & Cope Cutter includes Full Color Instruction Manual



ENTRY DOOR SYSTEM

1-3/4" Material

ØD	ØD1	R	B	Ød	L	Type	Tool No.
2	3/4	11/32	11/16	1/2	2	Cope Cutter w/Stub Spindle	47511
1-3/4	—	11/32	11/16	1/2	2-3/16	Ogee Bit	54131

Replacement Parts: Cope cutter: #47510.
Stub spindle with screw: #47617.
Screw for stub spindle: #67012.
Ball bearing: #47706.



SCREEN DOOR SYSTEM

1-1/8" Material

ØD	ØD1	R	B	Ød	L	Type	Tool No.
1-1/2	3/4	7/32	15/32	1/2	2	Cope Cutter w/Stub Spindle	47513
1-1/4	—	7/32	7/16	1/2	1-15/16	Ogee Bit	54173

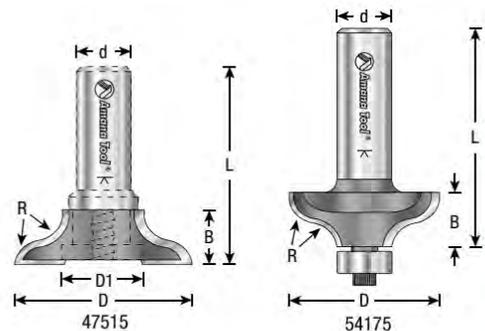
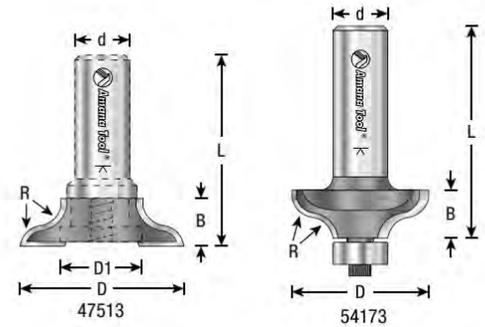
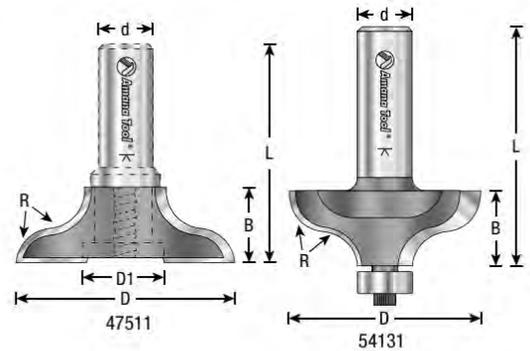
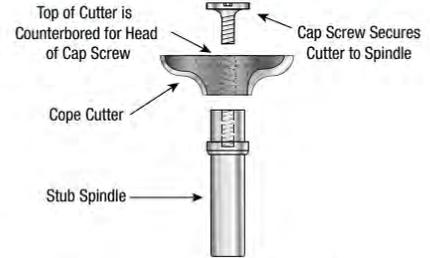
Replacement Parts: Cope cutter: #47512. Stub spindle with screw: #47617.
Screw for stub spindle: #67012. Ball bearing: #47706.

CABINET DOOR SYSTEM

7/8" Material

ØD	ØD1	R	B	Ød	L	Type	Tool No.
1-5/8	3/4	1/4	3/8	1/2	2	Cope Cutter w/Stub Spindle	47515
1-3/8	—	1/4	3/8	1/2	1-31/32	Ogee Bit	54175

Replacement Parts: Cope cutter: #47514. Stub spindle with screw: #47617. Screw for stub spindle: #67012. Ball bearing: #47706.

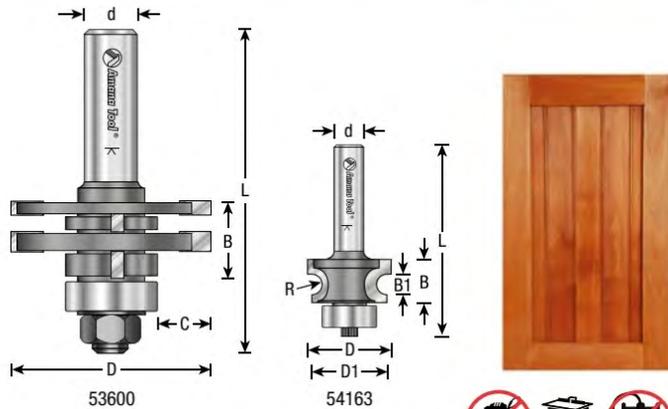




You'll need just two bits:
the **Quadraset #53600** and **Corner
Bead #54163**.

CONSTRUCT YOUR OWN WAINSCOT DOOR

Wainscot doors can be a beautiful addition to an informal, country style kitchen; their beaded panels are reminiscent of times long past.



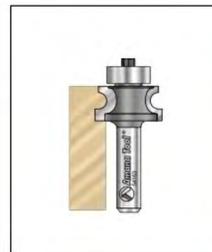
ØD	ØD1	C	R	B	B1	Ød	L	Tool No.
1-7/8	—	1/2	—	1/8 to 23/32*	—	1/2	3	53600 ♦
49/64	11/16	—	3/32	25/64	3/16	1/4	1-3/4	54163

* A full 3/4" cut can be achieved using one additional #53107 cutter

♦ Use in a table-mounted router. **Not for use in a handheld router!**



1 Cut Joint Frame



2 Shape the Wainscot



3 Assemble



— THE ONLY —
SPEKTRA™
EXTREME TOOL LIFE COATING

**HARDER
CARBIDE**



Solid Carbide
Spektra™ bits
Starting on page 30.

UP TO
2.5X
LONGER LIFE
COMPARED TO UNCOATED BITS

www.amanatool.com

INDUSTRIAL

Tambours

No Cloth, Glue or Wires!



Set #54314

TAMBOUR DOOR SET

U.S. Patent No. 7,810,532

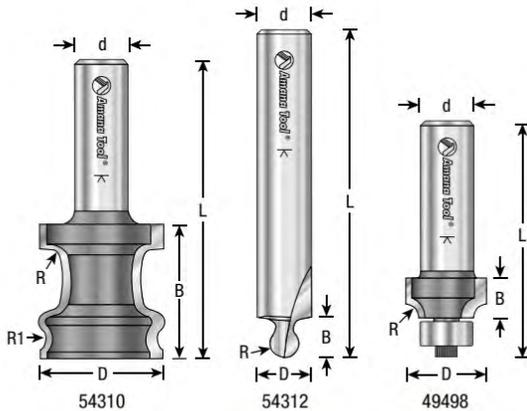
Carbide Tipped • 2 Flute



- Unique 3-piece router bit set with antique solid brass knob
- Shapes tambours that interlock with a ball-and-socket joint
- Unlike ordinary tambours, there is no need for cloth, glue or wires
- Each slat measures approximately 1/2" x 1"
- Minimum radius for the tambour door is 3-1/2"

The set is easy to set up and use. The first bit (#54310) shapes the face of the stock; cutting from each face completes the contour of the ball. Afterwards, a second bit (#54312) is used to shape the socket. A third bit in the set (#49498) is used to shape the end of the tambour which provides a place to mount a pull for opening the completed tambour.

And, assembly is easy. Simply slide the slats together to create a beautiful, flexible tambour that's perfect for creating your own roll top desk, breadbox, kitchen countertop storage areas and more.



ØD	R	R1	B	Ød	L	Tool No.
Complete 3 Piece Set Includes 1 Antique Knob and:						
1-3/16	1/8	5/64	1-1/4	1/2	2-3/4	54314
1/2	5/64	—	3/8	1/2	3	54312
3/4	1/8	—	3/8	1/2	2-5/16	49498



AB210
Antique
Solid Brass
Knob

Each Tambour Door Router Bit Set includes

Full Color Instruction Manual

1. How to make a tambour door.
2. How to make a breadbox.



Watch Video Online

<http://www.amanatool.com/videos>

LOUVER/SHUTTERS

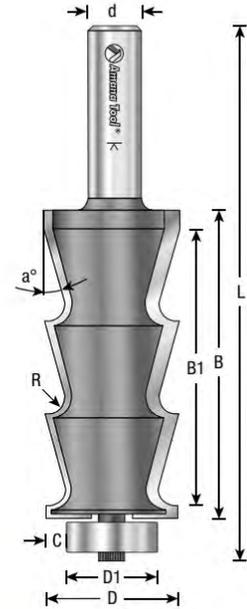
Carbide Tipped • 2 Flute with Ball Bearing Guide

Create custom louver doors. Now you can easily simulate the timeless look of wooden shutters (louvers) with this new industrial quality router bit.



ØD	ØD1	R	B	B1	C	a°	Ød	L	Tool No.
1-1/4	22mm	5/32	2-29/32	2-9/32	3/16	15°	1/2	5-5/32	54246 ▲12

▲ Warning: Maximum RPM ▲12 = 12,000



CABINET MAKING SETS

3-PC. CNC CABINET MAKING SET FOR 5MM & 1/4" DIA SHELF PINS



1/4" Shank • Solid Carbide

CNC cabinet making sets now available for making both 5mm and 1/4" diameter shelf pins holes. Designed for cabinet makers! Spektra™ coated.

Includes	Set No.
46202-K, 46700-K, 46100-K	AMS-330-K <i>New</i>



4-PC. CNC CABINET MAKING SET FOR 5MM & 1/4" DIA SHELF PINS



1/4" & 1/2" Shank • Solid Carbide

CNC cabinet making sets now available for making both 5mm and 1/4" diameter shelf pins holes. Designed for cabinet makers! Spektra™ coated.

Includes	Set No.
46202-K, 46700-K, 47636, 201007	AMS-334 <i>New</i>





PROFILE SETS

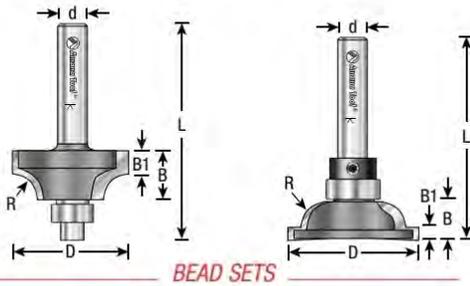
Carbide Tipped • 2 Flute with Ball Bearing Guide



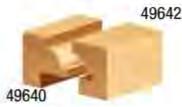
For glass doors, window, paneling as well as stile and rail work (the panel groove and stub tenon must be cut separately).

Unique series of matching stile & rail cutters with 1/4" shanks. Many applications, such as doors, windows, moldings, etc. can be performed. Tenon & groove must be cut separately.

The inverted hand cutters will produce copes that nest perfectly into the profiles cut by the matching "regular" bits. In addition, the inverted head allows you to profile edges that are out of the reach of regular profile bits. Equipped with ball bearing guides, either on the tip or on the shank.



BEAD SETS

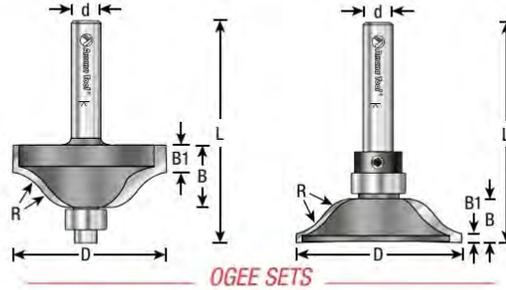


Set #49643



Set #49647

ØD	R	B	B1	Ød	L	Type	Tool No.
2-Piece Bead Set Including 49640 & 49642							49643
1-1/8	1/4	1/2	1/4	1/4	2	Bead Stile	49640
1-1/4	1/4	5/16	7/64	1/4	2	Bead Rail	49642
2-Piece Bead Set Including 49644 & 49646							49647
1-5/16	23/64	19/32	17/64	1/4	2-3/16	Bead Stile	49644
1-7/16	23/64	15/32	1/8	1/4	1-59/64	Bead Rail	49646



Ogee SETS



Set #49663



Set #49667

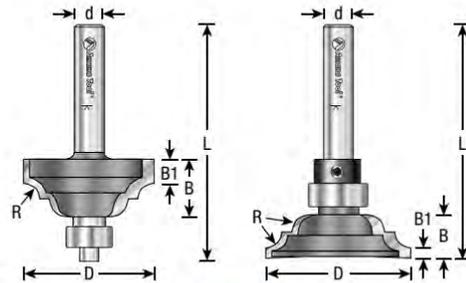
ØD	R	B	B1	Ød	L	Type	Tool No.
2-Piece Ogee Stile & Rail Set Including 49660 & 49662							49663
1-11/32	11/32	1/2	1/4	1/4	2	Ogee Stile	49660
1-1/2	11/32	3/8	3/32	1/4	2	Ogee Rail	49662
2-Piece Ogee Stile & Rail Set Including 49664 & 49666							49667
1-1/2	11/32	9/16	1/4	1/4	2	Ogee Stile	49664
1-19/32	11/32	3/8	1/8	1/4	2	Ogee Rail	49666



Cut a rabbet along the inside edges of all the frame members. See page 186 for Rabbeting Bits.



Install glass with trim.



CLASSIC SETS



Set #49673



Set #49677

ØD	R	B	B1	Ød	L	Type	Tool No.
2-Piece Classical Stile & Rail Set Including 49670 & 49672							49673
1-3/32	9/64	1/2	3/16	1/4	2	Classical Stile	49670
1-1/4	9/64	3/8	5/64	1/4	2	Classical Rail	49672
2-Piece Classical Stile & Rail Set Including 49674 & 49676							49677
1-5/16	3/16	5/8	7/32	1/4	2	Classical Stile	49674
1-7/16	3/16	9/16	1/8	1/4	2	Classical Rail	49676

Replacement bearing for stile cutters #47702 (3/8" dia.).

Replacement bearing for rail cutters #47701 (1/2" dia.).

Replacement collar for rail cutters #47724.

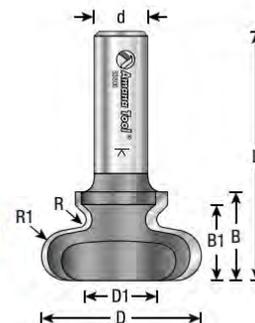
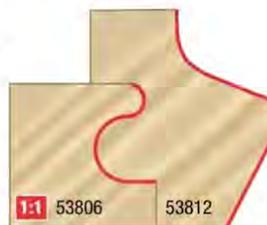
FINGER GRIP/DRAWER PULL/DOOR LIP

Carbide Tipped • 2 Flute

Produce clean, modern chests and cabinets uninterrupted by hardware pulls and knobs by integrating the pulls into the doors, drawers and lids. These one-pass cutters offer many appearance and ergonomic options, providing positive grips and softened, easy-on-the-fingers edges. Can be used in CNC and table-mounted routers. Larger diameter cutters will work in edge-guide or template-guide equipped handheld routers.



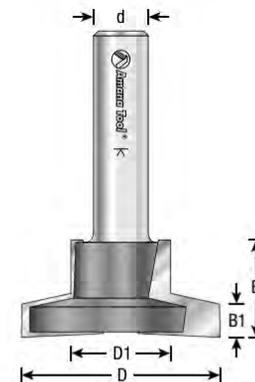
ØD	ØD1	R	R1	B	B1	Ød	L	Tool No
3/4	25/64	3/32	3/16	3/4	39/64	1/2	2-1/4	53806
1-31/64	11/16	5/64	15/64	53/64	45/64	1/2	2-21/64	53808
1-49/64	11/16	5/64	13/64	53/64	43/64	1/2	2-21/64	53810
2	3/4	1/4	3/16	1-1/4	—	1/2	2-3/4	53812



FINGER GRIP-TRAPEZOIDAL

Carbide Tipped • 2 Flute

ØD	ØD1	B	B1	Ød	L	Tool No
1-3/4	1	13/16	5/16	1/2	2-13/32	53813

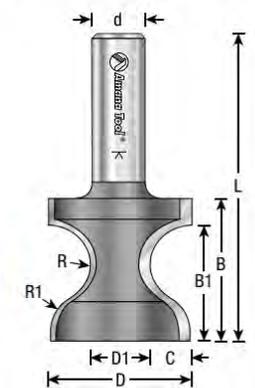


WINDOW SILL EDGE

Carbide Tipped • 2 Flute

These bits shape a flowing ogee edge for creating traditional window sills.

ØD	D1	R	R1	B	B1	C	Ød	L	Tool No
1-1/4	1/2	7/32	1/4	7/8	11/16	3/8	1/2	2-7/8	53822
1-7/16	5/8	3/8	5/16	1-1/8	1	13/32	1/2	3-7/8	53824
1-1/4	5/8	7/32	11/32	1	7/8	5/16	1/2	3	53826
1-7/16	11/16	23/64	9/16	1-3/8	1-1/8	3/8	1/2	3-3/8	53828

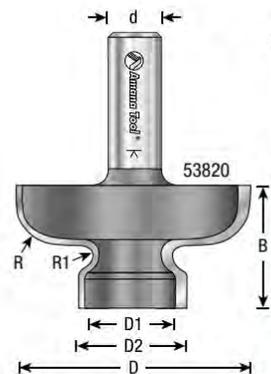


DOOR EDGE DETAIL FOR DECO DOOR

Carbide Tipped • 2 Flute

Use these bits to shape the edges of cabinet doors. Style #53820 also eliminates the need for a pull to create a clean, uncluttered look.

ØD	ØD1	ØD2	R	R1	B	Ød	L	Tool No
2	23/32	31/32	3/8	1/8	1-3/16	1/2	2-1/2	53820
1-3/4	-	-	3/8	1/8	11/16	1/2	2-5/8	49562 *



* Replacement bearing #47706

Solid Surface

INDUSTRIAL Router Bits



Warning: Before use, read router bit safety guidelines on pages 266-268.

FOR FABRICATING SOLID SURFACE MATERIALS

Wilsonart®, Gibraltar®, Corian®, Surell®, Fountainhead®, Avonite®, Etc.

Amana Tool® has developed a line of over 100 special tools for the fabrication of solid surface materials on the market. There are special tools for face-inlay, trimming, corner rounding and bullnosing as well as bits for counter-tops and bowls.

Some of our tools with ball bearings utilize our Ultra-Glide™ high-performance ball bearing guide assembly. The Ultra-Glide™ is a steel ball bearing fitted with a non-marring Delrin® sleeve.

For decorative work, our other carbide-tipped router bits can also be used for solid surface materials.

Recommended by:



COUNTER-TOP 'NO-DRIP' DESIGN

Carbide Tipped • 2 Flute with Ball Bearing Guide

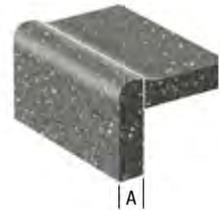
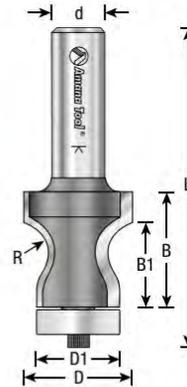
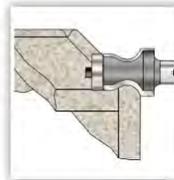
This bit will cut a 'no-drip' edge on kitchen and vanity counter-tops in one pass. Use in a handheld router.



ØD	ØD1	A	R	B	B1	Ød	L	Tool No.
1	3/4	1/2	5/16	7/8	5/8	1/2	3	57118
1	3/4	3/4	5/16	1-1/8	15/16	1/2	3-1/4	57120

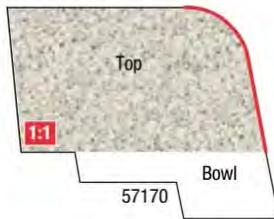
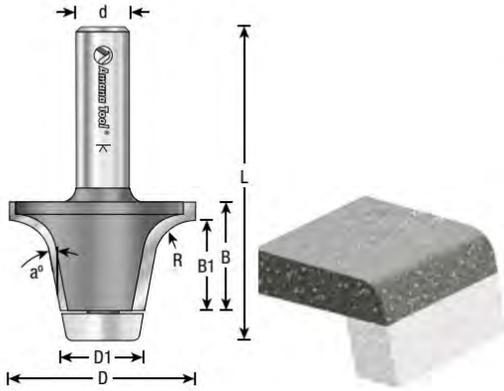
Replacement Ultra-Glide™ bearing #47709 (includes #5003 5/32" hex key).

Replacement steel bearing (old style) #47714.



Note: The application specifications, current at time of publication, are intended for reference purposes and are subject to change without notice. Please refer to the Fabrication Guides provided with the particular material or bowl you are using for more specific installation instructions.

Amana Tool® makes no endorsements whatsoever to manufacturers of the solid surface materials listed herein.



ROUND OVER

Carbide Tipped • 2 Flute with Ultra-Glide™ Ball Bearing Guide Assembly

This tool is intended for use on 1/2" thick material. It will put a 3/8" radius round over on the counter-top. Furnished with Ultra-Glide™ non-marring Delrin®-sleeved ball-bearing guide. For use on "Vaso Sink Collection" by Dupont®.



ØD	ØD1	a°	R	B	B1	Ød	L	Tool No.
1-7/8	3/4	10°	3/8	1	25/32	1/2	2-29/32	57170

Replacement Ultra-Glide™ bearing assembly #47774 (includes #5009 1/8" hex key).



CORNER ROUNDING

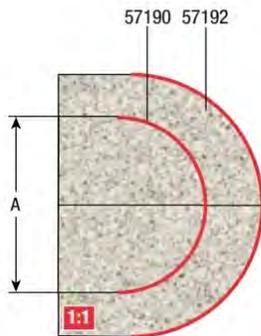
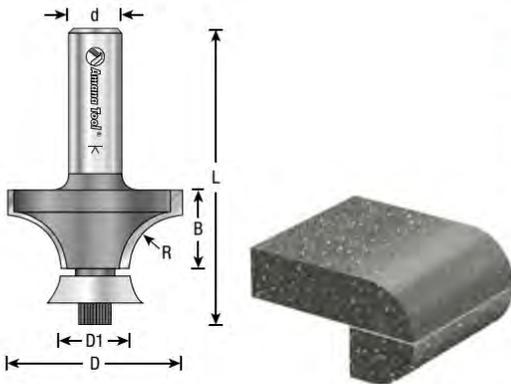
Carbide Tipped • 2 Flute with Ultra-Glide™ Radius Bearing

This unique tool produces a true 180° bullnose in two passes. Make the first pass with a regular 1/4" x 5/8" steel bearing (optional). Switch to the Ultra-Glide™ radius bearing for the second pass. This unique bearing follows the curved surface, eliminating the flat track typical of the two-pass cut with the regular bearing.



ØD	ØD1	A	R	B	Ød	L	Repl. Bearing	Tool No.
1-5/8	5/8	1	1/2	3/4	1/2	2-3/4	47767	57190
2-1/8	5/8	1-1/2	3/4	1	1/2	3	47768	57192

Standard steel 1/4 x 5/8 bearing - use #47712 - (order separately).



CORNER ROUNDING

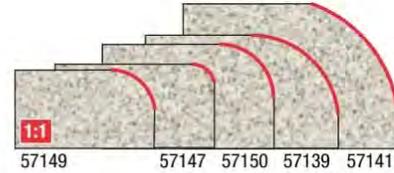
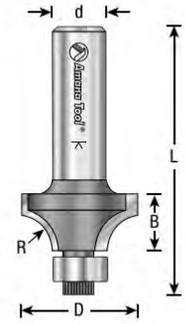
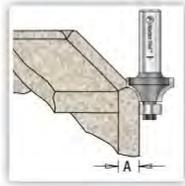
Carbide Tipped • 2 Flute with Ultra-Glide™ Ball Bearing Guide Assembly

Use this bit for rounding edges where there's access to a flat surface for the Ultra-Glide™ non-marring bearing to reference. Used in concert with either the Counter-top ("No-Drip") Design bit or the corner-rounding bit with a radius bearing, this bit will produce a no-drip edge or a bullnose in two passes.



ØD	A	R	B	Ød	L	Tool No.
3/4	—	1/8	3/8	1/2	2-5/16	57147
1	—	1/4	1/2	1/2	2-7/16	57149
1-1/8	3/4	5/16	1/2	1/4	1-7/8	57150
1-1/2	—	1/2	3/4	1/2	2-3/8	57139
2	—	3/4	1	1/2	2-3/8	57141

Replacement Ultra-Glide™ bearing assembly #47707 (includes #5000 1/8" hex key).



ROUND UNDER

Carbide Tipped • 2 Flute with Upper Ball Bearing

Round the lower edge of a counter with the router resting on the upper surface. No need to turn the heavy material over. This tool is especially useful for "job-site" work.

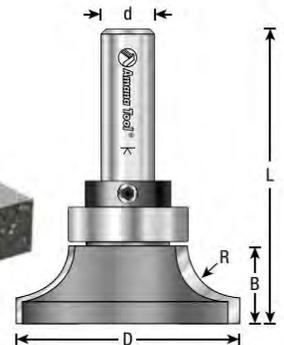
(To complete a full 180° bullnose on 1/2", 1", 1-1/2" or 2" thick stock, use the corner-rounding bit with the radius bearing.) Furnished with Ultra-Glide™ non-marring Delrin®-sleeved ball-bearing guide.

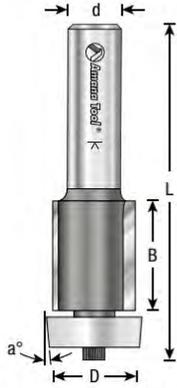
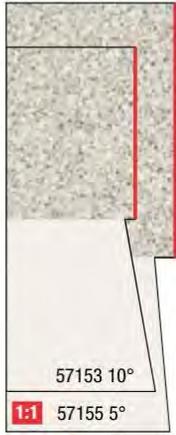


ØD	A	R	B	Ød	L	Tool No.
2-5/8	1-1/2	3/4	1	1/2	3	57140 ▲ ¹⁴

Replacement parts: Ultra-Glide™ bearing #47737; Collar #47740.

▲ Warning: Maximum RPM ▲¹⁴ = 14,000





BOWL & SINK TRIM

Carbide Tipped • 2 Flute with Ultra-Glide™ Ball Bearing Guide

Trim a sink cut-out flush with the bowl in stages using these "over-hang" and flush trim bits in tandem. The overhang bits are equipped with non-marring Ultra-Glide™ bearings that are tapered to match the slope of the bowl's side. A first pass with the appropriate overhang bit cleans the cut-out edge, leaving a very slight overhang at the underside of the counter. A pass with the flush-trim bit completes the operation.

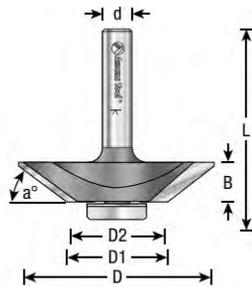
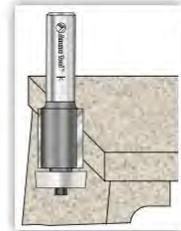


ØD	B	a°	Ød	L	Description	Tool No.
3/4	1	10°	1/2	3-1/4	1/16 Over-Hang	57153
49/64	1-1/2	5°	1/2	3-1/2	1/8 Over-Hang	57155
3/4	1	0°	1/2	3-1/2	Flush Trim	57154

Replacement Ultra-Glide™ Bearing Assemblies:

(Includes #5003 5/32" hex key).

Bearing Assembly	Tool No.
47726	57153
47709	57154
47733	57155



BEVEL TRIM

Carbide Tipped • 2 Flute • For Wilsonart® HD Laminate Sinks

Only minimal sanding is required after using this bevel trim bit to profile the laminate and adhesive of a Wilsonart® HD sink.



ØD	ØD1	ØD2	B	a°	Ød	L	Tool No.
1-55/64	15/16	7/8	3/8	50°	1/4	1-7/8	57159

Replacement bearing #47777.



FLUSH TRIM

Carbide Tipped • 4 Flute with Ball Bearing Guide

For a super-smooth cut finish with a flush trimming bit, use one with four flutes. Feed rate is reduced, but chipping is virtually eliminated.

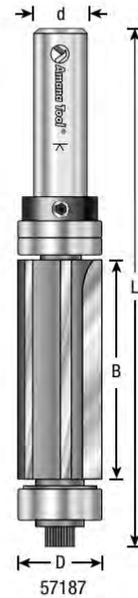
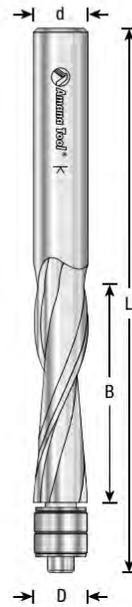
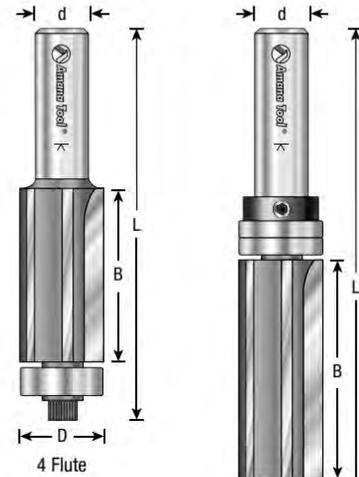


ØD	B	Ød	L	Tool No.
3/4	1	1/2	3	57184
3/4	1-1/2	1/2	4	57185
3/4	2	1/2	4-1/2	57186
3/4	2	1/2	4-3/4	57187 **

Standard replacement bearing (steel) use #47714.

Optional Delrin® replacement bearing use #47709 for solid surface application.

** Replacement parts: Bearings #47714 (bottom), #47721 (2 top); Retaining collar #47740.



ULTRATRIM™ SPIRAL TRIM

Solid Carbide • 2 & 3 Flute with Double Ball Bearing Guides

For the ultimate, chip-free finish in laminate, melamine, solid surface, fragile veneers and for template work of all kinds. The twin ball-bearing pilot enhances the stability of the tool. Available in 'Up-Cut' and 'Down-Cut' spirals.



ØD	B	Ød	L	Flutes	Up-Cut Tool No.	Down-Cut Tool No.
1/2	1-1/4	1/2	4	2	46300	46400
1/2	2	1/2	5	2	46304	46404
1/2	1-1/2	1/2	4	3	58120 <i>New</i>	58220 <i>New</i>
1/2	2	1/2	4-1/2	3	58122 <i>New</i>	58222 <i>New</i>

Replacement bearing: use #47701 (2). Lock ring: use #47752. Washer: use #67053.

* Old style bit with nut use bearing #47706 (2), Nut #67086



ULTRATRIM™ SPIRAL TRIM

Solid Carbide • 2 Flute with Double Ball Bearing Guides

For the ultimate, chip-free finish in laminate, melamine, solid surface, fragile veneers and for template work of all kinds. The twin ball-bearing pilot enhances the stability of the tool. Spektra™ coated for long life.



ØD	B	Ød	L	Up-Cut Tool No.
1/2	1-1/4	1/2	4	46300-K <i>New</i>

Replacement bearings for #46300-K: Two #47701.

HARDER CARBIDE

UP TO 2.5X LONGER LIFE
COMPARED TO UNCOATED BITS



CNC PLASTIC / SOLID SURFACE CUTTING SPIRAL 'O' FLUTE

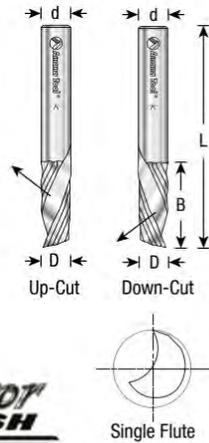
Solid Carbide • Single Flute • Up-Cut & Down-Cut



Produce super clean, smooth cuts in solid surface, plastics and other materials.



**Mirror
FINISH**



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- Acrylic / Plastic
- Corrugated Plastics
- High Density Polyethylene (HDPE)
- Polycarbonate (Lexan™)
- Plexiglas® / Lucite®
- Sign Foam
- Sintra PVC
- Teflon
- Trespa® Meteon® Decorative High-Pressure Compact Laminate (HPL) with an Integral Surface
- For full material cut list visit www.amanatool.com



CNC feed and speed available online

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 †	—
1/8	1/4	1/8	2	51443 †	—
1/8	3/4	1/8	2	51437 †	—
1/8	1/4	1/4	2	51416 ⑤	—
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 † ⑤	51510 †
1/8	1/2	1/4	2	51411 ⑤	51511 ⑤
1/8	5/8	1/4	2-1/2	51445	—
1/8	3/4	1/4	2-1/2	51446 ⑤	—
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 ⑤	51517 ⑤
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 ⑤
1/4	5/8	1/4	2	51419	—
1/4	3/4	1/4	2	51404 ⑤	51504 ⑤
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 ⑤	51505
1/4	1-1/16	1/4	3	51409	—
1/4	1-1/4	1/4	3	51407	51507 ⑤
1/4	1-3/8	1/4	3	51403	—
1/4	1-1/2	1/4	3	51413	51513 ⑤
1/4	2-1/4	1/4	3-3/4	51646	—
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	—

METRIC

1.5mm	4mm	3mm	30mm	51370	—
2mm	6mm	6mm	64mm	57300	—
2.5mm	6mm	6mm	64mm	57301	—
3mm	8mm	3mm	30mm	51371	—
3mm	8mm	6mm	63mm	51490	—
3mm	12mm	6mm	50mm	—	57307
3mm	12mm	6mm	64mm	57302	—
4mm	8mm	4mm	66mm	57303	—
4mm	20mm	6mm	63mm	51492	—
5mm	16mm	6mm	63mm	51494	—
6mm	8mm	6mm	64mm	57304	—
6mm	20mm	6mm	64mm	51496	—
6mm	32mm	6mm	76mm	—	57308
8mm	25mm	8mm	64mm	51498	—
8mm	38mm	8mm	76mm	57305	—
10mm	30mm	10mm	76mm	57306	—

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

⑤ = 5 packs available



**HARDER
CARBIDE**

**CNC PLASTIC / SOLID SURFACE
CUTTING SPIRAL 'O' FLUTE**

Solid Carbide • Single Flute • Up & Down-Cut

Produce super clean, smooth cuts in solid surface, plastics and other materials. For full material cut list visit www.amanatool.com. For complete details on Spektra™ visit www.amanatool.com/spektra



UP TO
2.5X
LONGER LIFE
COMPARED TO UNCOATED BITS



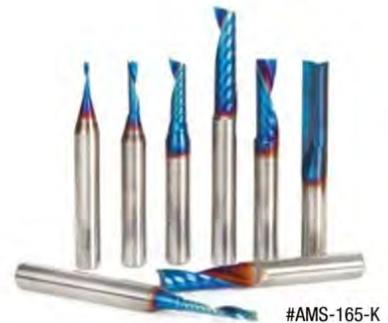
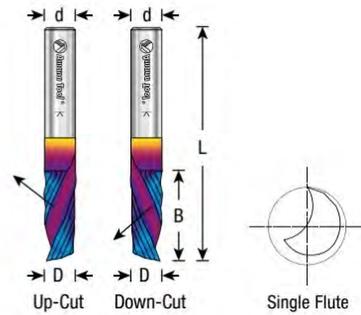
- Razor sharp cutting edge
- Effortless chip removal
- Helps prevent chip re-welding
- Extends tool life
- Exceptional cut quality

ØD	B	Ød	L	Up-Cut Tool No.	Down-Cut Tool No.
1/32	3/16	1/4	2	51649-K	—
1/16	1/4	1/8	2	51415-K	51515-K (5)
1/16	1/4	1/4	2	51441-K (5)	—
1/8	1/4	1/4	2	51416-K	—
1/8	5/8	1/4	2-1/2	51445-K	—
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	—
1/8	3/4	1/4	2-1/2	51446-K (2)	—
1/8	7/8	1/4	2-1/2	51435-K <i>New</i>	—
3/16	5/8	3/16	2	51412-K	—
3/16	5/8	1/4	2	51417-K (2)	51517-K
3/16	7/8	1/4	2-1/2	51442-K	—
3/16	1-1/4	1/4	3	51418-K	—
1/4	3/8	1/4	2	51425-K	—
1/4	1/2	1/4	2	51810-K	—
1/4	5/8	1/4	2	51419-K	—
1/4	3/4	1/4	2	51404-K	51504-K (5)
1/4	3/4	1/4	2-1/2	51421-K	51524-K
1/4	7/8	1/4	2-1/2	51444-K	—
1/4	1	1/4	2-1/2	51405-K	51505-K
1/4	1-1/8	1/4	3	51392-K <i>New</i>	—
1/4	1-1/4	1/4	3	51407-K	51507-K
1/4	1-1/2	1/4	3	51413-K	51513-K
1/4	2-1/4	1/4	3-3/4	51646-K (5)	—
3/8	1-1/8	3/8	3	51414-K (5)	—
3/8	1-5/8	3/8	3-1/2	51427-K	—
1/2	1-5/8	1/2	3-1/2	51428-K	—

METRIC

1mm	4mm	3mm	30mm	51390-K	—
1.1mm	4mm	3mm	30mm	51394-K	—
1.2mm	4mm	3mm	30mm	51395-K	—
1.4mm	4mm	3mm	30mm	51396-K	—
1.5mm	6mm	3mm	30mm	51391-K	—
1.6mm	6mm	3mm	30mm	51397-K	—
1.8mm	6mm	3mm	30mm	51398-K	—

(2) = 2 packs available (5) = 5 packs available

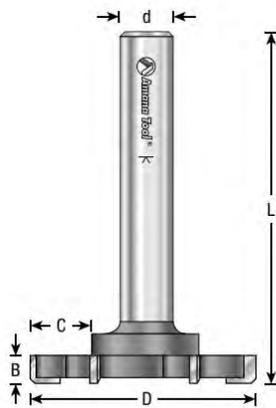
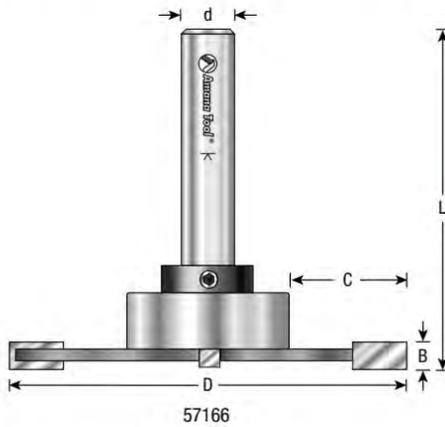
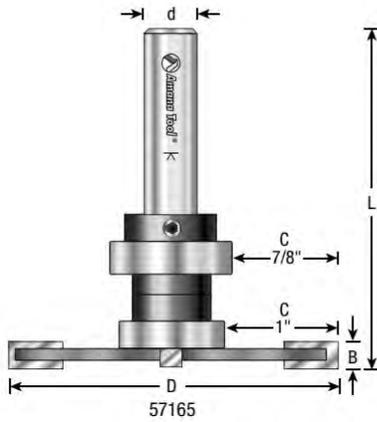


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CUT-OUT

Carbide Tipped • 4-Wing

Use for cutting out under-mount bowls, Surell®, Fountainhead® and other solid surface under-mount bowls. For Corian® bowls, must be used with a Corian® bowl template.

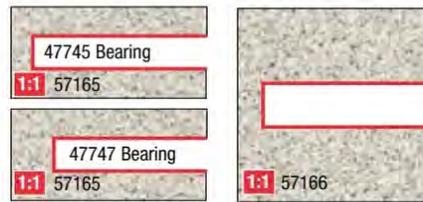


ØD	B	C	Ød	L	Tool No.
3	3/16	7/8 & 1	1/2	3-5/32	57165 ▲ ¹²
3-5/8	1/4	1	1/2	3-9/32	57166 ▲ ¹²

Bearing	Spacer	Collar	Key	Tool No.
47745, 47747	—	47739	5002	57165
47749	55363	47739	5002	57166

Note: To achieve the best possible results use these bits with a variable speed router. Minimum horsepower: 2-1/2 Speed: 12,000 RPM or less.

▲ **Warning:** Maximum RPM ▲¹²=12,000



COUNTER-TOP TRIM

Carbide Tipped • 6-Wing

Create extra-smooth shallow recesses in counter-tops with this 6-wing tool. The radiused cutting tips produce an edge that's easy on the fingers and simple to clean. Use in a handheld router.



ØD	B	C	Ød	L	Tool No.
2-1/16	1/4	1/2	1/2	3-5/16	57136



COVE/BACKSPLASH

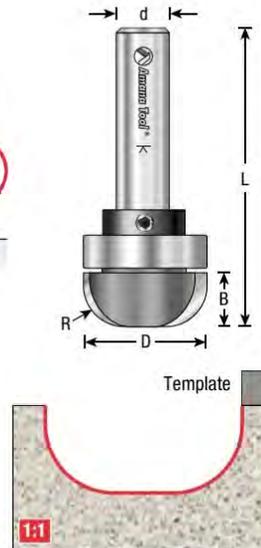
Carbide Tipped • 2 Flute with Ultra Glide™ Ball Bearing Guide

Radius the transition from horizontal counter-top surface to vertical backsplash with this bit. The cutting profile is a modified cove, having rounded corners separated by a flat. A shank-mounted Ultra-Glide™ bearing guides the cut. Use in a handheld router.



ØD	R	B	Ød	L	Tool No.
1-1/8	3/8	1/2	1/2	2-7/8	57232

Replacement parts: Ultra-Glide™ bearing #47737; Collar #47740.



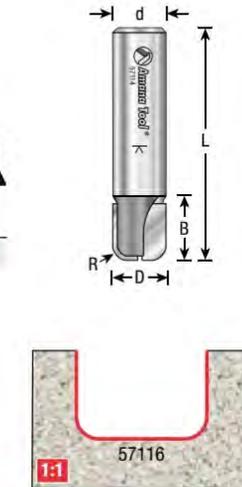
DRAIN-BOARD

Carbide Tipped • 2 Flute

This bit is perfect for cutting custom drain-board patterns in solid surface materials, as well as wooden counter-tops and cutting boards. It produces a flat-bottomed groove with radiused corners. Use in a handheld router guided by a template, fence or edge guide.



ØD	B	R	Ød	L	Tool No.
3/4	1/2	1/8	1/2	2	57116

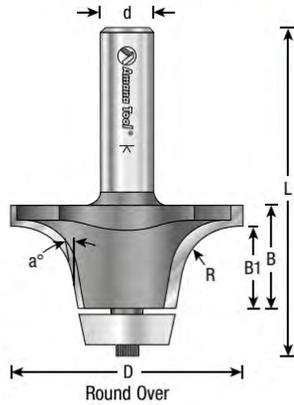




UNDERMOUNT BOWL

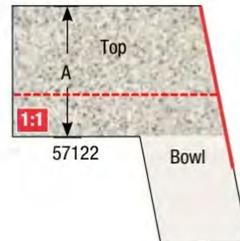
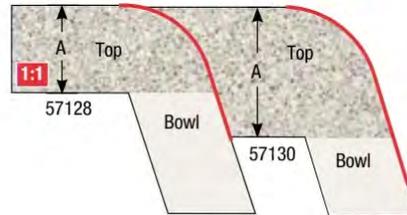
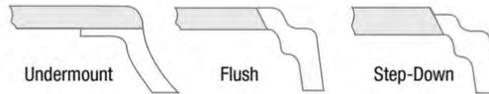
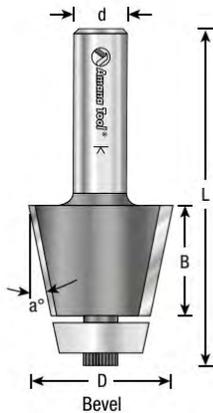
Carbide Tipped • 2 Flute with Ultra Glide™ Ball Bearing Guide

These bits prepare and/or finish counter-top edges in conjunction with undermount bowl installations. The round over and ogee bits trim and profile the counter-top edges after the bowl is mounted. The bevel bit trims the sink cut-out flush with an installed undermount bowl, but it also can be used with a template to prepare a sink cut-out for a bevel-mount bowl. All these tools can be used for undermount applications of Corian® sink and bowl #'s 802S, 804S, 805S, 809S & 871S.



ØD	a°	R	A	B	B1	Ød	L	Type	Tool No.
2-1/8	18°	1/2	1/2	1	3/4	1/2	3	Round Over	57128
2-1/4	18°	9/16	3/4	1-1/4	1	1/2	3-1/4	Round Over	57130
1-1/4	11.5°	—	1/2 & 3/4	15/16	—	1/2	3	Bevel	57122

Replacement Ultra-Glide™ bearing assembly #47726 (all tools).
(Includes #5003 5/32" hex key and #67093 Allen screw).



UNDERMOUNT BOWL

Carbide Tipped • 2 Flute with Ultra Glide™ Ball Bearing Guide

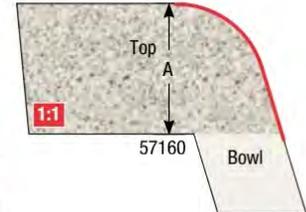
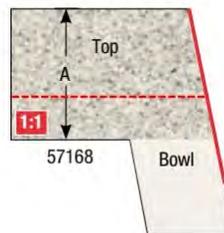
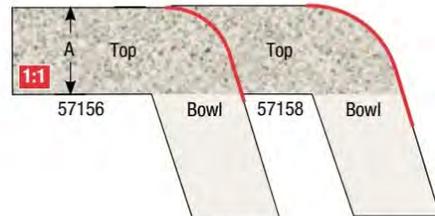
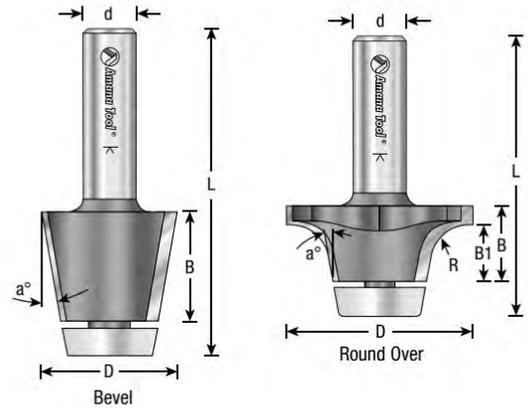
For Corian® Bowl #'s 874S, 810AS, 850, 857B, 859S, 871S, 872S, 891S & 893S

These bits are designed specifically for use in undermount installations of Corian® bowl #874-S. They trim and profile the counter-top edges after the bowl is mounted.



ØD	a°	R	A	B	B1	Ød	L	Type	Tool No.
1-1/4	10°	—	1/2 or 3/4	1	—	1/2	3	Bevel	57168
1-25/32	17°	3/8	1/2	11/16	17/32	1/2	2-1/2	Round Over	57156
2	14°	1/2	1/2	11/16	17/32	1/2	2-1/2	Round Over	57158
2-1/8	17°	1/2	3/4	1	25/32	1/2	2-7/8	Round Over	57160

Replacement Ultra-Glide™ bearing assembly #47731 (includes #5009 1/8" hex key and #67146 special flat head machine screw).





UNDERMOUNT BOWL

Carbide Tipped • 2 Flute with Ultra-Glide™ Ball Bearing Guide

These bits trim and profile the counter-top edges after the bowl is mounted. Each bit has a cutting draft with a bearing that matches, enabling the cutter to do more work so you have to do less.

10° Cutting Draft

Designed specifically for use in undermount installations of:

Gemstone Vanity #'s 1514-VO, 1812-VO, 1613-VSO, 1814-VO, 1814-EVO, 1313-VO, 1513-VO, 1711-VO

Gemstone Bar & Kitchen Sink #'s 1014-S, 1016-S, 1318-S, 1411-S, 1507-S, 1515-S, 1815-S, 1524-S, 1517-S, 1616-S, N1616-S, 1616-ES, 2116-US, 2015-S, 2318-S, 2416-ES, 2615-S, 2716-US, 2718-S, 2818-S, 2033-S, 2916-UD, 1729-D, 2917-D, 1930-DL, 1630-D, 3016-D, 3118-D, 3218-D

Livingstone Vanity #K-140G

Livingstone Kitchen Sink #'s K130-G, K140G, K160G

DuPont Kitchen Vanity #'s 810P, 8252, 8254, 850P

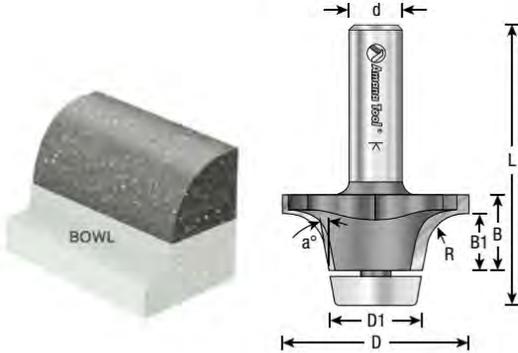
DuPont Kitchen Sink #850-P

Wilsonart® Vanity #'s BV1514, BV1812, BV1313, BV1711

Wilsonart® Kitchen Sink #'s BK2015, BK1515, BD1630, BD3016, BK2716US

Formica Vanity #L080

Formica Kitchen Sink #'s K080A, K250A



ØD	D1	a°	R	B	B1	Ød	L	Type	Tool No.
2-9/64	13/16	10°	33/64	63/64	25/32	1/2	2-25/32	Round Over	57267

Replacement parts: Ultra-Glide™ bearing for #47787; Screw #67146; Allen Key #5009.

14° Cutting Draft

Designed specifically for use in undermount installations of:

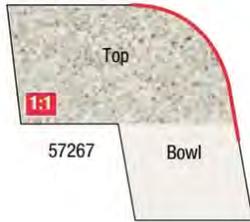
Gemstone Vanity #'s 1410-VO, 1613-UVO, 1914-VO, 2114-VO

Livingstone Vanity #V130-G

Wilsonart® Vanity #'s BV1410, BV1613

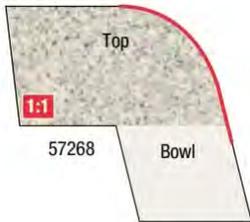
Formica Vanity #'s L075, L100

Avonite Vanity #'s VS-1815, VS2015



ØD	D1	a°	R	B	B1	Ød	L	Type	Tool No.
2-3/16	55/64	14°	33/64	63/64	25/32	1/2	2-25/32	Round Over	57268

Replacement parts: Ultra-Glide™ bearing #47785; Screw #67146; Allen Key #5009.



KARRAN® STAINLESS STEEL SINK EDGE BITS

Carbide Tipped • 2 Flute with Ultra Glide™ Ball Bearing Guide

These bits are designed specifically for use for the Karran stainless steel Edge Sinks for laminate and 1/2" solid surface materials. They trim the counter-top edge after the bowl is mounted.



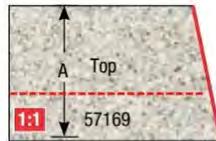
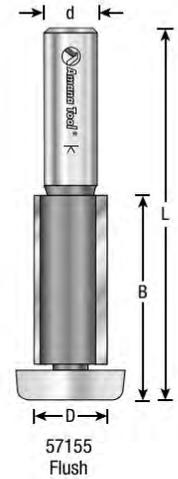
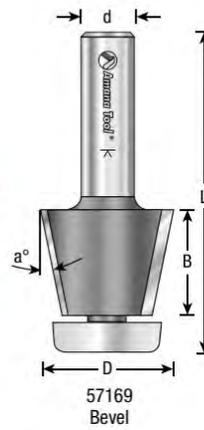
ØD	A	a°	B	Ød	L	Description	Tool No.
49/64	1/2 or 3/4	—	1-1/2	1/2	3-1/2	Flush	57155
7/8	1/2 or 3/4	15°	7/8	1/4	2-1/4	Bevel	49409
1-3/16	1/2 or 3/4	11.5°	1	1/2	3-1/8	Bevel	57169

* For use on the Edge Series Sinks with solid surface countertops.

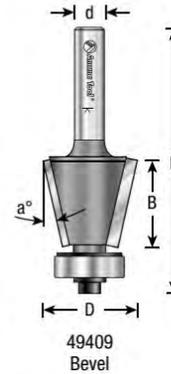
Replacement Ultra-Glide™ bearing assembly #47733 (fits #57169 & #57155 and includes #5009 1/8" hex key and #67146 special flat head machine screw).

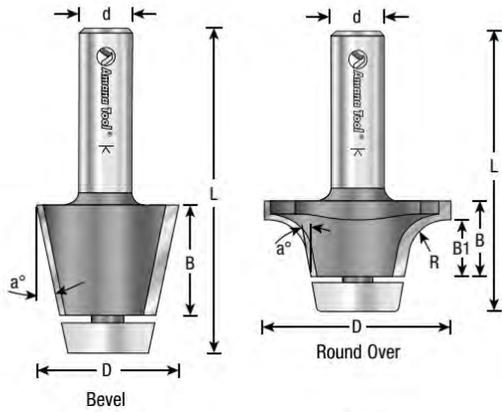
Steel ball bearing #47718 (fits #49409).

Ultra-Glide™ bearing #47797, Screw #67147, Key #5009.



Solid Surface with
Stainless Steel Sink





WILSONART® BOWL

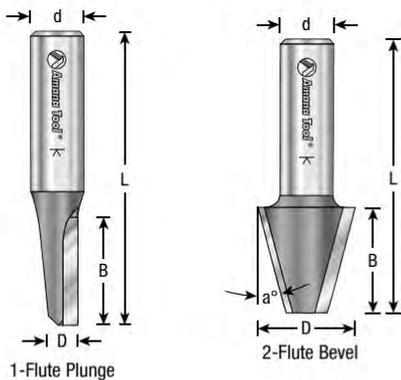
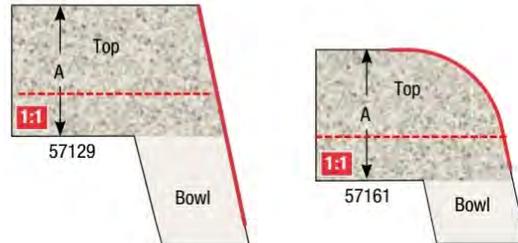
Carbide Tipped • 2 Flute with Ultra Glide™ Ball Bearing Guide

These bits, designed specifically for use with the Wilsonart® bowl, produce two different edge treatments – a bevel with a hard edge and a bevel with a rounded-over edge. Use with any handheld router; the Ultra-Glide™ bearing guides the cut.



		Counter-top							
ØD	a°	R	Thickness(A)	B	B1	Ød	L	Type	Tool No.
1-1/2	12°	—	1/2 to 1-1/4	1-1/4	—	1/2	3-1/16	Bevel	57129
2-3/8	12°	9/16	1/2 to 3/4	7/8	11/16	1/2	2-11/16	Round Over	57161

Replacement Ultra-Glide™ bearing assembly #47732 (includes #5009 1/8" hex key and #67146 special flat bead machine screw).



TOP-MOUNT ROUTER EUROPEAN TYPE

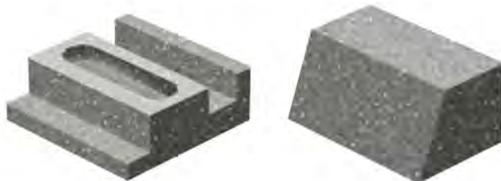
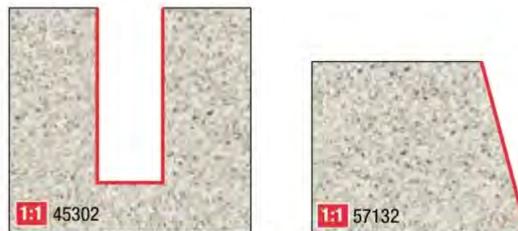
Carbide Tipped • 1 & 2 Flute

For sink cut-outs and to prepare counter-top for top-mount installation of sink or bowl.

Among others, can be used for Corian® sink and bowl #'s 830A, 852RA, 852LA, and 854RA.



ØD	a°	B	Ød	L	Type	Tool No.
3/8	—	1	1/2	2-3/4	1-Flute Plunge	45302
29/32	15°	15/16	1/2	2-1/2	2-Flute Bevel	57132



CHAMFER

Carbide Tipped • 2 Flute with Ultra-Glide™ Ball Bearing Guide Assembly

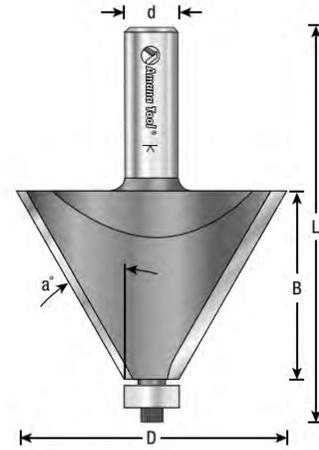
Chamfer bevel solid-surface edges with one of these two bits. These large bits must be run at reduced speed in a high-horsepower router.



ØD	a°	B	Ød	L	Tool No.
2	45°	3/4	1/2	2-5/8	57220
2-17/32	30°	1-3/4	1/2	3-5/8	57258 ▲ ¹²

Replacement Ultra-Glide™ bearing #47707.

▲ **Warning:** Maximum RPM ▲¹² = 12,000



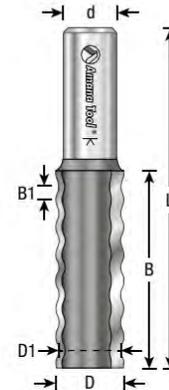
WAVY JOINT

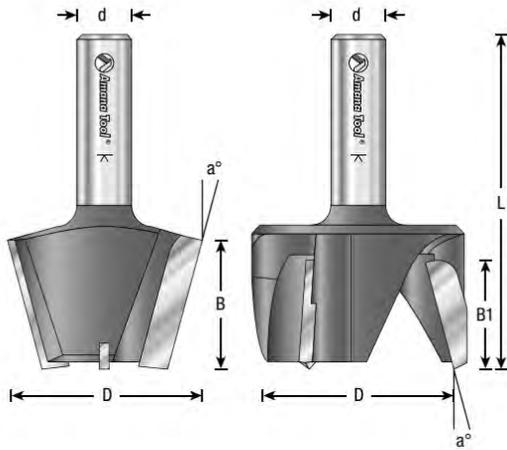
Carbide Tipped • 2 Flute

Creates a solid joint in the material by adding a greater surface for glue.



ØD	ØD1	B	B1	Ød	L	Tool No.
5/8	37/64	1-13/16	1/8	1/2	3-1/8	57260





2-PC TAPERED PLUG CUTTER REPAIR SET New

Carbide Tipped

Special design to repair holes, gauges and defects on top of the materials.

This set was designed primarily for repairing solid surface materials. It can be used on wood as well if required.

The recommended RPM is to a degree dependent on the type of equipment and the stability of the setup when cutting.

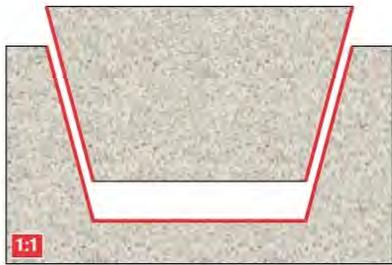
Using Plunging Router

The maximum speed for using this set is 10,000 RPM. It is important to work very slowly and steadily. We recommend securing the router with clamps so the machine is fixed firmly in place.

Using Drill Press

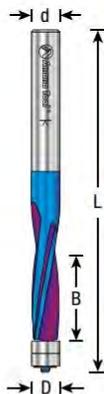
When working on a drill press we recommend speed of 2,000 to 3,000 RPM. Here it is important that the work is firmly clamped to ensure stability.

ØD	B	B1	a°	Ød	L	Tool No.
1-3/4	1-3/16	1	15°	1/2	3-1/16	55413



UP TO
2.5X
LONGER LIFE
COMPARED TO UNCOATED BITS

**HARDER
CARBIDE**



THE ONLY
SPEKTRATM
EXTREME TOOL LIFE COATING

SOLID SURFACE / PLASTIC CUTTING FLUSH TRIM New

Solid Carbide • 2 Flute with Double Ball Bearing

Spiral designed for trimming. Double bearing provides smoother action around contour of the template.

Excellent for Cutting:

- Solid Surface
- Acrylic / Plastic
- High Pressure Laminates (HPL)
- Aluminum, Brass, Copper
- Sign Foam
- High Density Polyethylene Sheet (HDPE)
- Poly (methyl methacrylate) (PMMA)
- For full material cut list visit www.amanatool.com



ØD	B	Ød	L	Tool No.
1/4	3/4	1/4	3	51436-K



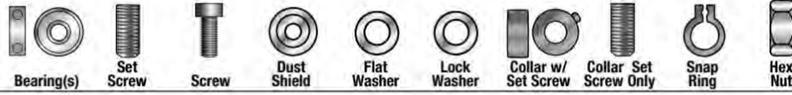
INDUSTRIAL

Router Bit

Replacement Parts



INDEX



Tool No.	Page #	Bearing(s)	Set Screw	Screw	Dust Shield	Flat Washer	Lock Washer	Collar w/ Set Screw	Collar Set Screw Only	Snap Ring	Hex Nut
DR8-400	53, 123	47706	---	67018	---	---	---	---	---	---	---
MRO100 to MRO114	206	47775	---	---	---	67129	---	---	---	---	67135
RC-1000 to RC-1006	124	47711	---	67176 (3)	---	---	---	---	---	---	---
RC-1007	124	47714 & 47721 (2)	---	67115 (3), 67176 (1)	67116	---	---	---	---	---	---
RC-1008	130	47712	---	67115 (3)	---	---	---	---	---	---	---
RC-1014	130	47701	---	67115 (3)	---	---	---	---	---	---	---
RC-1230	122	---	---	---	---	---	---	---	---	---	---
RC-2000	123, 124	47706	67016 (2)	67018	---	---	---	---	---	---	---
RC-2400	122	---	---	---	---	---	---	---	---	---	---
RC-3400	9	---	---	67057	---	---	---	---	---	---	---
RC-45226	87, 169	---	---	67013	---	---	---	---	---	---	---
RC-45910	139, 169	47701	---	---	---	---	---	---	---	---	---
RC-47104	123, 169	47706	67013 (2)	67011	---	---	---	---	---	---	---
RC-49104	156, 169	47706	---	67011	---	---	---	---	---	---	---
RC-49355	188	---	67094	67094	---	67202	---	---	---	---	---
RC-49360	188	See Page	---	67094	---	67202	---	---	---	---	---
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44100	48	47706 (2)	---	---	67098	---	---	---	---	---	67086
45360 to 45364	120, 121	47721	---	---	---	---	---	47739	---	---	---
45460, 45461	120	47701	---	---	---	---	---	47724	67091	---	---
45460-S	122, 205	47701	---	---	---	---	---	47724	67091	---	---
45462	120	47712	---	---	---	---	---	47724	67091	---	---
45462-S	122	47712	---	---	---	---	---	47724	67091	---	---
45463	120	47721	---	---	---	---	---	47739	67091	---	---
45464	120	47714	---	---	---	---	---	47724	67091	---	---
45464-S	122	47714	---	---	---	---	---	47724	67091	---	---
45465	120	47721	---	---	---	---	---	47739	67091	---	---
45466	120	47722	---	---	---	---	---	47730	67091	---	---
45467	120	47754	---	---	---	---	---	47739	67091	---	---
45468	120	47738	---	---	---	---	---	47740	67091	---	---
45469 to 45470	120, 185	47712	---	---	---	---	---	47724	---	---	---
45474-S	122	47753	---	---	---	---	---	47724	---	---	---
45475	120	47751 (2)	---	---	---	---	---	47764	---	---	---
45475-S	122	47751 (2)	---	---	---	---	---	47764	---	---	---
45476, 45478, 45479	185	47712	---	---	---	---	---	47724	---	47752	---
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45482 to 45483	120	47712	---	---	---	---	---	47724	67091	---	---
45484	122	47714	---	---	---	---	---	47724	---	---	---
45485	120	47714	---	---	---	---	---	47724	67091	---	---
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45561	117	47714	---	---	---	---	---	47724	67091	---	---
45563	117	47721	---	---	---	---	---	47739	67091	---	---
45565	117	47754	---	---	---	---	---	47740	67091	---	---
45567	117	47758	---	---	---	---	---	47740	67091	---	---
45582	117	47701	---	---	---	---	---	47724	67091	---	---
45584	117	47712	---	---	---	---	---	47724	67091	---	---
45586	117	47714	---	---	---	---	---	47724	67091	---	---
45590	117	---	---	---	---	---	---	47740	67091	---	---
45668, 45676	205	47701	---	---	---	---	---	47724	---	---	---
45669	205	47714	---	---	---	---	---	47724	---	---	---
45672, 45678	205	47712	---	---	---	---	---	47724	---	---	---
45674	205	47708	---	---	---	---	---	47724	---	---	---
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45884	185	47741	---	---	---	---	---	47724	---	---	---
45983	137	47701	---	---	---	---	---	47724	67091	---	---
45990	137	47721	---	---	---	---	---	47739	67091	---	---
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47093	123	47702	---	67096	67101	67202	---	---	---	---	---
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47096	126	47714 (L) & 47721 (U)	---	67109	---	67101	---	47739	---	---	---
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49347, 49342, 49346	191	see page	---	---	---	---	---	---	---	---	---
49360	187	47701 (2)	---	67094	---	67202	---	---	---	---	---
49400 to 49402	145	47704	---	67095	67100	67200	---	---	---	---	---
49404	145	47706	---	67096	67098	67202	---	---	---	---	---
49405	145	47710	---	67093	---	67101	---	---	---	---	---
49406, 49407, 49408, 49410	145	47706	---	67096	67098	67202	---	---	---	---	---
49409	243	47718	---	67096	67098	67101	---	---	---	---	---
49412	145	47704	---	67095	67100	67200	---	---	---	---	---

Tool No.	Page #	Bearing(s)	Set Screw	Screw	Dust Shield	Flat Washer	Lock Washer	Collar w/ Set Screw	Collar Set Screw Only	Snap Ring	Hex Nut
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49534	215, 220	47706	—	67096	67098	67101	—	—	—	—	—
49535, 49536, 49537, 49538	215	47706	—	67096	67098	67101	—	—	—	—	—
49550 to 49554, 49556	178	47706	—	67096	67098	67202	—	—	—	—	—
49555, 49559	179	47718	—	67096	—	—	—	—	—	—	—
49562	229	47706	—	67096	67098	67202	—	—	—	—	—
49592 to 49622	149	47702	—	67096	67101	67202	—	—	—	—	—
49640, 49664, 49674	172, 228	47702	—	67096	67101	67202	—	—	—	—	—
49642, 49666, 49676	172, 228	47701	—	—	—	—	—	47724	67091	—	—
49644, 49660, 49670	222	47702	—	67096	67101	67202	—	—	—	—	—
49648, 49662, 49672	228	47701	—	—	—	—	—	47724	67091	—	—
49730	147	47708	—	—	—	—	—	—	—	—	67088
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51430	12	47723 (2)	—	67134	—	—	—	—	—	—	—
51432	12	47706	—	67011	—	—	—	—	—	—	—
51436	38	47723 (2)	—	—	—	—	—	—	—	—	—
51520, 51522	13	47723	—	67134	—	—	—	—	—	—	—
51565 to 51569	152	47706	—	67096	67098	67202	—	—	—	—	—
51572	152	47716	—	67096	67098	67202	—	—	—	—	—
51574	152	47714	—	67093	67126	—	—	—	—	—	—
51586	160	47712 (2)	—	67096	—	—	—	—	—	—	—
53600	194, 224	47708	—	—	—	67204	—	—	—	—	—
53610	195	47708	—	—	—	—	—	—	—	—	67088
54102 to 54108	154	47706	—	67096	67098	67101	—	—	—	—	—
54110, 54112, 54114	158	47706	—	67096	67098	67101	—	—	—	—	—
54113	216, 220	47706	—	67096	67098	67101	—	—	—	—	—
54116	217	47706	—	—	—	—	—	—	—	—	—
54117	217	47706	—	67096	67098	67202	—	—	—	—	—
54118, 54121	218	47706	—	67096	67098	67202	—	—	—	—	—
54119	217	47706	—	—	—	—	—	—	—	—	—
54120, 54122 to 54126	162	47706	—	67096	67098	67202	—	—	—	—	—
54127	157	47706	—	67096	67098	67202	—	—	—	—	—
54128, 54130, 54132, 54134, 54135	155	47706	—	67096	67098	67202	—	—	—	—	—
54131	223	47706	—	67096	67098	67101	—	—	—	—	—
54133	225	47706	—	500-10	—	—	—	—	—	—	—
54136, 54138, 54140 to 54142	161	47706	—	67096	67098	67202	—	—	—	—	—
54144 to 54150	157	47706	—	67096	67098	67202	—	—	—	—	—
54160 to 54162	153	47706	—	67096	67098	67202	—	—	—	—	—
54163	153, 224	47706	—	67096	67098	67202	—	—	—	—	—
54164 to 54172	153	47716	—	67096	67098	67202	—	—	—	—	—
54175	223	47706	—	67096	67098	67101	—	—	—	—	—
54180 to 54182	161	47706	—	67096	67098	67202	—	—	—	—	—
54188	164	47716	—	67096	67098	67082	—	—	—	—	—
54190	163	47712 (2)	—	67109	—	—	—	47724	67091	—	—
54198	176	47702	—	67096	—	—	—	—	—	—	—
54200	176	47706	—	67096	—	67100	—	—	—	—	—
54213, 54217	167	47716	—	67096	67103	67202	—	—	—	—	—
54220	174	47706	—	67096	67098	67202	—	—	—	—	—
54221	219	47713, 47763	—	—	—	—	—	—	—	—	67088
54222 to 54224	175	47706	—	67096	67098	67202	—	—	—	—	—
54227	219	47713, 47763	—	—	—	—	—	—	—	—	67088
54229	219	47713, 47763	—	—	—	—	—	—	—	—	67088
54246	227	—	—	67090	—	67101	—	—	—	—	—
54262	180	47706	—	67096	67098	67202	—	—	—	—	—
54269	180	47716	—	67096	67103	67202	—	—	—	—	—
54278	218	47706	—	67096	67098	67101	—	—	—	—	—
54292	155	47706	—	67096	67098	67202	—	—	—	—	—
54294	167	47716	—	67096	67088	67202	—	—	—	—	—
54296	165	47712 (2)	—	67096	67098	67202	—	—	—	—	—
54299	171	47706	—	67014	—	—	—	47724	—	—	—
54302 to 54308	166	47706	—	67096	67098	67202	—	—	—	—	—
54322	165	47706	—	67096	67098	67202	—	—	—	—	—
54324	165	47712	—	67096	67103	67202	—	—	—	—	—
54330 to 54332	166	47701, 47706	—	67096	67098	67202	—	—	47724	—	—
55312 to 55314	131	47727	—	—	—	67204	—	—	—	—	67088
55320	203	47708, 47762	—	—	—	—	—	—	—	—	67088
55340	202	47708	—	—	—	—	—	—	—	—	67088
55343	202	47708	—	—	—	—	—	—	—	—	67088
55350, 55370, 55380	213	47708	—	—	—	—	—	—	—	—	67088
55392	195	47736	—	—	—	—	—	—	—	—	67088
55400, 55401	201	47708 (2)	—	—	—	—	—	—	—	—	67088
55407, 55408	201	47708	—	—	—	—	—	—	—	—	—
55420, 55430, 55440	212	47708	—	—	—	—	—	—	—	—	67088
55421, 55431	211	47708	—	—	—	—	—	—	—	—	—
55428	220	47706	—	67096	67098	67101	—	—	—	—	—
55432, 55433, 55436, 55437, 55438, 55439	209	47708	—	—	—	—	—	—	—	—	—
55454, 55456	204	47706	—	67096	—	67101	—	—	—	—	—
55460, 55462	214	47744 (2)	—	—	—	67125(2)	—	—	—	—	67131
55466	199	47720 (2)	—	—	—	—	—	—	—	—	—
55468	199	47720, 47718	—	—	—	—	—	—	—	—	—
55500, 55510	192	47738	—	—	—	—	—	—	—	—	—
51436	38	47723 (2)	—	—	—	—	—	—	—	47779	—
56140	141	47734	—	—	—	—	—	—	—	47750	—
57118 to 57120	230	47709	—	67109	—	67101	—	—	—	—	—
57122	240	47726	—	67093	67126	67101	—	—	—	—	—
57128	240	47726	—	67093	67101	—	—	—	—	—	—
57129	244	47732	—	67146	—	—	—	—	—	—	—
57130	240	47726	—	67093	67126	67126	—	—	—	—	—
57140	233	47737	—	67091	—	—	—	—	—	—	—
57139, 57141	233	47707	—	67096	—	67202	—	—	—	—	—
57147, 57149 to 57150	233	47707	—	67096	—	67202	—	—	—	—	—
57153	234	47726	—	67109	67103	67101	—	—	—	—	—
57154	234	47709	—	67146	—	67101	—	—	—	—	—
57155	234, 243	47733	—	67146	—	67101	—	—	—	—	—
57156, 57158, 57160	241	47731	—	67146	—	—	—	—	—	—	—
57159	234	47777	—	67023	—	—	—	—	—	—	—
57161	244	47732	—	67146	—	—	—	—	—	—	—
57165	238	47745, 47747	—	—	—	—	—	47739	—	—	—
57166	238	47749	—	—	—	55363	—	47739	—	—	—
57168	241	47731	—	67146	—	—	—	—	—	—	—
57169	243	47733	—	67146	—	—	—	—	—	—	—
57170	232	47774	—	67146	—	—	—	—	—	—	—
57184 to 57186	123, 235	47714	—	67109	67116	—	67128	—	—	—	—
57187	150, 232	47762	—	67109	—	—	—	—	—	—	—
57190	150, 232	47762	—	67109	—	67101	—	47740	—	—	—
57192	150, 232	47768	—	67109	—	67101	—	—	—	—	—
57220	245	47707	—	67096	—	67202	—	—	—	—	—
57232	239	47737	—	—	—	—	—	—	—	—	—
57258	245	47707	—	67096	—	67082	—	—	—	—	—
57267	242	47787	—	—	—	—	—	—	—	—	—

Warning: Before use, read router bit safety guidelines on pages 266-268.

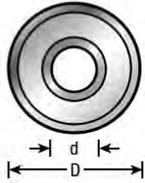


STEEL BALL BEARING GUIDES

Amana Tool® uses only the finest industrial quality precision ball bearings available. Bearings are double steel-shielded for extra rigidity and to inhibit dust. A special high-performance, high-temperature grease is used for maximum life.

Bearing #'s 47701-HP, 47706-HP and 47712-HP have Teflon® shields which provide a better seal and increased bearing life while routing materials that generate very fine dust particles (such as solid surface).

Note: Solvents should not be used to clean ball bearings, as this will deteriorate the special grease. 'Frozen' bearings (ones that do not rotate freely), should be replaced immediately.



Fractional Listed By Size/Steel Shields & New Teflon® Shields

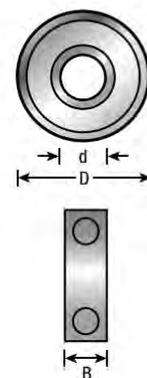
Application	Ød	ØD	B	Tool No.
47090, 47092, 51436 1/4" Diameter Trim Bits	1/8	1/4	.110 (7/64)	47723
47206, 49400, 49402, Smaller Cove Bits, Several Types Of Form Bits, Old Style 3/8" Diameter Trim Bits, New 'No-File' Trim Bits	1/8	3/8	.155 (5/32)	47704
Old Style 1/2" Diameter Flush Trim Bits	1/8	1/2	.171 (11/64)	47700
3/8" Diameter Flush Trim, All Beading Bits, (49300/49302), 49340, 49350, 49550, Many Types Of Form Bits	3/16	5/16	.124 (1/8)	47789
Our Most Popular Bearing – Fits 1/2" Diameter Flush Trim, Some Bevel Trim, All Corner Rounds, Raised Panel, Rabbet, Ovolo, Many Types Of Form Bits, 54160, 54162, 54198, 54370, New Style 54200 & 54220 (After 12/95) With Teflon® Dust Shields Used As A Substitute For 47706 (See Above) For Fine Dust Conditions	3/16	3/8	.124 (1/8)	47702
New Undersized 1/2" Diameter Bearing For Use After Resharpener – Fits All Tools Such As Flush Trims, Corner Rounds, Etc., That Use The Standard 47706 Bearing	3/16	1/2	.195 (3/16)	47706
'Overhang' Bits, 49340, 49350 (49300/49302), 55343 (49300/49302), 49340, 49350, RC-4950 49340, 49350 For 1/4" Rabbet	3/16	1/2	.195 (3/16)	47706-HP
49340, 49350 For 1/8" Rabbet	3/16	.490	.195 (3/16)	47715
45475, 45475-S	3/16	5/8	.195 (3/16)	47718
45460, 45461, 45750, 45850, 45950, 57100, 57106, 57112, RC-1014, With Teflon® Dust Shields Used As A Substitute For 47701 (See Above) For Fine Dust Conditions	3/16	3/4	.280 (9/32)	47720
45474-S	3/16	7/8	.196 (3/16)	47719
45462, 45476, 45478, 45479, 45811, 47180, 51532, 51534, 54188, 54190, 54194, 54296, 54324, 54352, 54356, 57100, 57106, 57112, 'RC' Series Bevel Trim Bits With Teflon® Dust Shields Used As A Substitute For 47712 (See Above) For Fine Dust Conditions.	3/16	1	.196 (3/16)	47773
45474-S	3/16	1-1/8	.312 (5/16)	47743
45464, 45988, 47140, 51574, 57100, 57106, 57112, Old Style 57118, 57120	1/4	3/8	.124 (1/8)	47751
49405	1/4	1/2	.186 (3/16)	47701
1/2" Depth Of Cut Slotting Assemblies, All Stile & Rail, 49730, 49770, 53610	1/4	1/2	.186 (3/16)	47701-HP
55400, 55401, 56148, 55340	1/4	9/16	.236 (15/64)	47753
New Raised Panel With Back Cutter 54221, 54227, 54229	1/4	5/8	.195 (3/16)	47712
55320, 55325	1/4	5/8	.195 (3/16)	47712-HP
45884	1/4	3/4	.280 (9/32)	47714
45463, 45465, 45990	1/4	1	.344 (11/32)	47710
45463	5/16	7/8	.865 (7/8)	47708
45468, 45789, 45992, 51590, 57142, 57144 & 57140	5/16	1-1/4	.196	47763
57165	5/16	1.319 (1-5/16)	.335 (21/64)	47762
57165	3/8	7/8	7mm	47741
57166	1/2	3/4	.156 (5/32)	47721
55360	1/2	7/8	5mm	47830
57176	1/2	1-1/8	.312 (5/16)	47738
	1/2	1	5.7mm	47745
	1/2	1-1/4	5.7mm	47747
	1/2	1-1/2	.466mm (15/32)	47749
	5/16	3/4	.280 (9/32)	47759
	7/8	1/2	5mm	47793

Note: Fractional size specifications shown in parentheses () are approximate, and are provided for reference purposes only. Tool numbers shown in parentheses () exhibit optional (not standard) bearings for these tools.

STEEL BALL BEARING GUIDES

Metric Listed By Size/Steel Shields

Application	Ød	ØD	B	Tool No.
New Miniature Router Bits	4mm	8mm	3mm(7/64)	47703
47193	5mm	10mm	4mm(5/32)	47794
Old Style (Prior To 12/95) 54200, 54220 – For New Style (After 12/95) Use 47706	5mm	13mm	4mm(5/32)	47705
47300, 47302, 51572, 54164 Through 54172, 54215,	5mm	16mm	5mm(3/16)	47716
54217, 54269, 54294, 57188, RC-4952, RC-4954, RC-4956				
'RC' Series Flush Trim Bits	6mm	19mm	6mm(15/64)	47711
New Raised Panel With Back Cutter 54221, 54227, 54229	8mm	16mm	5mm(3/16)	47713
TRS-310 (Timberline®)	8mm	1	1/4	47770
55392	8mm	28mm	9mm(23/64)	47736
TRS-310 (Timberline®)	8mm	1-1/8	1/4	47771
TRS-310 (Timberline®)	8mm	1-3/8	1/4	47772
45466	10mm	26mm	8mm(5/16)	47722
56140, 56150	15mm	35mm	11mm(7/16)	47734
45467	15mm	1	.218 (7/32)	47754
45470	15mm	1-1/2	.343 (11/32)	47758
TRS-310 (Timberline®)	15mm	2	13mm	47760
47174	6mm	22mm	7mm	47798



Note: Fractional size specifications shown in parentheses () are approximate, and are provided for reference purposes only. Tool numbers shown in parentheses () exhibit optional (not standard) bearings for these tools.

EURO™ SQUARE BEARING

Will Not Scratch or Mark Laminates with Matt or High Gloss Finish

- Can be mounted to any 1/2" diameter Amana Tool® flush trimmer.
- Manufactured with non-stick Teflon.

Ø I.D. x Ø O.D.	'B' Bearing Thickness	For Tool	Tool No.
3/16 x 1/2	.223	47147	SQB100
3/16 x 3/4	.273	47148 & 47149	SQB102

Note: Solvents should not be used to clean ball bearings, as this will deteriorate the special grease. 'Frozen' bearings (ones that do not rotate freely), should be replaced immediately.



SQB100



SQB102

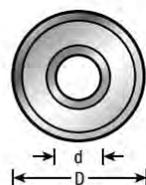
20 PC. REPLACEMENT BEARING KIT

This 20 piece replacement bearing kit contains the most popular bearings to fit our most popular router bits.

Description	Tool No.
20 Piece Replacement Bearing Kit	6004

Includes the following sizes:

Ø I.D. x Ø O.D.	'B' Bearing Thickness	Qty.	Tool No.
1/8 x 1/4	.110 (7/64)	2	47723
1/8 x 3/8	.155 (5/32)	3	47704
3/16 x 3/8	.124 (1/8)	5	47702
3/16 x 1/2	.195 (3/16)	5	47706
1/4 x 1/2	.186 (3/16)	3	47701
1/2 x 3/4	.156 (5/32)	2	47721



6004 includes plastic storage box.



Warning: Before use, read router bit safety guidelines on pages 266-268.

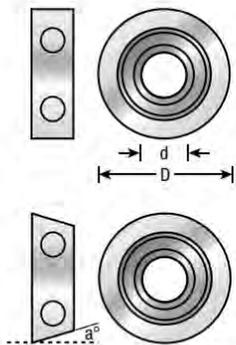
INDUSTRIAL

REPLACEMENT PARTS & ACCESORIES 251



ULTRA-GLIDE™ HIGH-PERFORMANCE BALL BEARING GUIDE ASSEMBLIES

Using the same quality standards as our regular steel bearings, these Ultra-Glide™ bearing assemblies feature satin-smooth Delrin® sleeves. Delrin® is an industrial synthetic plastic material similar to nylon, and will leave no marks on the material being cut. Applications include solid-surface materials such as Gibraltar®, Corian®, Surell® & Fountainhead® etc.; Plexiglas® & other clear acrylics, including plastic laminates. Not recommended for regular wood applications due to a higher wear factor. Product #'s 47709, 47725, 47726, 47731 & 47733 now include new Teflon® dust shields. These bearings provide a better seal to increase bearing life while routing materials that generate very fine dust particles (such as solid surface).



Application	Ød	ØD	a°/R	Tool No.
1/2" Diameter Flush Trim, Corner Rounds, Etc.	3/16	.500	-0-	47707
All Tools That Accept Our Regular #47706 Steel Bearing		(1/2)		
47140, 57154 Trim Bits And New Style 57118, 57120	1/4 (3/4)	.750	-0-	47709 *
Slot Cutter Assemblies: 1/4" Depth Of Cut, 53610	5/16	1.382 (1-3/8)	-0-	47727
Slot Cutter Assemblies: 3/8" Depth Of Cut, 53610	5/16	1.137 (1-9/64)	-0-	47728
Set Of Two Above: 47727 & 47728	5/16		-0-	47729
Old Style 57122 Bevel Bit With 31/32" Large Diameter	1/4	.965 (31/32)	10°	47725 *
New Style 57122, Other 'Solid-Surface' Type Bits	1/4	.866 (7/8)	10°	47726 *
57156 Through 57168 Bowl Bits Only	1/4	.866 (7/8)	10°	47731 *
57129 And 57161	1/4	1	12°	47732 *
New Bowl Bits	1/4	1	5°	47733 *
57140	15mm	1.125 (1-1/8)	-0-	47737
57163	1/4	15/16	21°	47765
57191	1/4	61/64	3/8	47766
57190	1/4	27/32	1/2	47767
57192	1/4	3/4	3/4	47768
57194	1/4	3/4	1	47769
57268	1/4	55/64	14°	47785
57267	1/4	7/8	10°	47787
57269	1/4	13/16	18°	47788

Note: Outside dimensions are approximate and are given for reference purposes only.

* Includes new Teflon® dust shields.



STEEL DUST SHIELDS

Application: Used between ball bearing and router bit to inhibit dust. 'Cone-shaped' end always faces the bearing.

Diameters		Use with Bearing #	Tool No.
'd' Inside x 'D' Outside			
3/16 X 1/2	47700, 47701, 47706, 47712, 47714, 47718, 47720		67098
1/8 X 3/8	47704		67100
5mm X 16mm	47716		67103
1/4 X 5/8	47712 (Solid Surface Bowl Bits Only)		67116
3/16 X 5/8	47712 (Solid Surface Bowl Bits Only)		67126

ROUTER ARBORS

With Hex Nut And Washers

Application	ØD	Ød	L1	B	L	Tool No.
2 & 3-Wing Slotting Assemblies,	5/16-24 NF	1/4	1-1/4	7/8	2-3/8	47600
2 & 3-Wing Slotting Assemblies,	5/16-24 NF	6mm	1-1/4	7/8	2-3/8	47600M †
2 & 3-Wing Slotting Assemblies,	5/16-24 NF	1/4	1-1/4	7/8	2-3/8	47601
Assemblies, and Single	5/16-24 NF	3/8	1-1/4	7/8	2-3/8	47602
4-Wing Trim Cutter Assemblies	5/16-24 NF	1/2	1-1/2	7/8	2-3/8	47604
4-Wing Trim Cutter Assemblies	5/16-24 NF	1/2	1-3/8	1	2-3/8	47605 †
Double Trim Cutters, Rail & Stile, 53600, 55320, 55325, 55400	5/16-24 NF	1/2	1-1/2	1-3/8	3-1/8	47612
49730, 49770	5/16-24 NF	1/2	1-7/16	2-9/16	4-3/16	47618
55340, 55392	5/16-24 NF	1/2	1-3/8	2-1/8	3-3/4	47620
55420, 55430, 55440	5/16-24 NF	1/2	1-5/16	1-3/4	3-5/16	47622
General Purpose	1/4-28 NF	1/4	1-1/4	7/8	2-3/8	47610
Screw Type Mortising Bits 55250 Through 55258	1/4-28 NF	1/4	1-7/16	1/4	1-13/16	47611 *
Screw Type Mortising Bits 55250 Through 55258	1/4-28 NF	1/2	1-3/4	1/4	1-1/2	47614 *

* Due to application, these arbors are not furnished with hex nut or washers.

† 47601 and 47605 includes router arbor with hex nut, washers and ball bearing.



HEX NUTS FOR ROUTER ARBORS

Application	Description	Tool No.
46300, 46304 Spiral Trim Bits	10-32 NF	67086
All Arbors With 5/16-24 NF Thread	5/16-24 NF	67088
47610 Arbor, "Nova"	1/4-28 NF	67089
47124-2, 47126-2, 47128-2 Trim Bits	5mm X .8mm (10-32)	67118
55460, 55462	12mm X 1.75mm	67131



STEEL FLAT WASHERS

Application: Used between ball bearing & screw head or hex nut. Part No. 67101 is used in place of a dust shield on beading bits #'s 49592 through 49622.

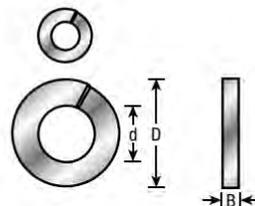
Diameters		Use with Bearing #	Use with Screw #	Tool No.
'd' Inside x 'D' Outside x 'B' Thick				
3/16 x 5/16 x 1.0mm		47702	67094, 69096	67101
12mm X 18.7mm x 7/64		47744	55460, 55462	67125
1/4 x 3/8 x 1.5mm		47701	'Face Inlay' Spacer	67132
3/32 x 1/4 x 1.0mm		47704	67095	67200
1/8 x 5/16 x 1.0mm		47706	67094, 67096	67202
5/16 x 1/2 x 1.6mm		47708	5/16 Thread Arbors (For Slot Cutters)	67204
1/4 x .356 x 2.2mm		47701	'Superabbet' Spacer	67206
1/4 x 15/32 x 3/64		47701	46300, 46304, 46400, 46404, 51432	67053



STEEL SPLIT LOCK WASHERS

Application: Used between ball bearing & screw head or hex nut to serve as a lock washer.

Diameters		Tool No.
'd' Inside x 'D' Outside x 'B' Thick		
1/8 x 1/4 x 1.0mm		67082
1/8 x 1/4 x 1.0mm		67111
12mm x 18.7mm x 1.3mm		67128



▲ **Warning:** Before use, read router bit safety guidelines on pages 266-268.

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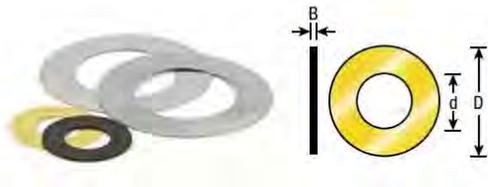
REPLACEMENT PARTS & ACCESORIES 253



STEEL SPACERS

Application: General purpose arbor spacers used on assembly type tools that require cutter adjustment.

Diameters: 'd' Inside x 'D' Outside	'B' Face Width	Tool No.
5/16 x 5/8	3.0mm(1/8)	55366
5/16 x 5/8	3.4mm(9/64)	55367
5/16 x 5/8	6.0mm(1/4)	55368
5/16 x 5/8	5.5mm(7/32)	55369
1/2 x 3/4	6.0mm(1/4)	55363



STEEL SHIMS

Application: General purpose arbor shims used on assembly type tools that require cutter adjustment. Particularly useful after tool re-sharpening.

Diameters: 'd' Inside x 'D' Outside	'B' Shim Thickness	Tool No.
5/16 x 5/8	.05mm(.002)	55356
5/16 x 5/8	.10mm(.004)	55357
32mm x 3/4	.18mm(.007)	55358
5/16 x 5/8	1.00mm(.040)	55402
5/16 x 5/8	.50mm(.020)	55404
5/16 x 5/8	.40mm(.015)	55403



BALL BEARING RETAINING COLLARS AND SNAP RINGS

Application: To retain bearings on tools furnished with upper ball bearing guides. Collars include #67091 set screw.

Diameters: 'd' Inside x 'D' Outside	Used On Tool No. ('s)	Tool No.
.22 x .079	51436	47779
.289 x .375	56148, 49150, 49152, 49154	47748
.542 x .675	56140, 56150	47750



Diameters 'd' Inside x 'D' Outside	Face Thickness	Used On Tool No.('s)	Tool No.
1/4 x 7/16	.203 (13/64)	45460, 45461, 45462, 45464, 45750, 45850, 45950, 45988, 54190, 54194	47724
3/8 x 5/8	.203 (13/64)	45466	47730
1/2 x 23/32	.234 (15/64)	45463, 45465, 45467, 45991	47739
1/2 x 25/32	.234 (15/64)	45468, 45469, 45470, 45990, 45992, 51592	47740
6.3mm x 9.5mm	1/4	45475, 45475S	47764

ALLEN-TYPE SET SCREWS FLAT (FP) AND CUP-POINT (CP)

Case Hardened • Black-Oxide Finish

Application	Description	Use With Key Size	Tool No.
Boring Bits	5mm x .8mm (FP)	S/D Slotted*	67007*
Rosette Cutterheads	6mm x 1.0mm (FP)	3mm (#5008)	67008
RC-3100	3 x 4mm Special (FP)	1.5mm (#5000)	67015
RC-3200 & 3110	3 x 5mm Special (FP)	1.5mm (#5000)	67016
Metric Countersinks (6mm to 12mm)	6mm x 1.0mm (CP)	3.0mm (#5004)	67079
#55 Countersinks With 1 Screw	6mm x 1.0mm (FP)	3.0mm (#5004)	67083
Metric Countersinks (5mm Only)	5mm x .8mm (CP)	2.5mm (#5007)	67087
47724-47752 Collars	#5-40 NC (CP)	1/16 (#5002)	67091
#55 Countersinks With 2 Screws	#10-24 NC (CP)	3/32 (#5000)	67092
Metric Chucks	5mm x .8mm (FP)	2.5mm (#5007)	67097

* #67007 Boring bit adjustment screw is screwdriver slotted.



SOCKET HEAD ALLEN TYPE, HEX, FLAT, TORX® AND PHILLIPS® RETAINING SCREWS

Case Hardened • Black Oxide Finish

Application	Type	Description	Use With Key Size	Tool No.
RC-2000	Allen	3.5 x 6mm	2.5mm (#5007)	67018
RC-3400	Torx®	5mm x 8.5mm		67057
'Mini' Bits	Allen	3 x .5 x 10mm	2.5mm (#5007)	67080
20200 Adj. C/S	Allen	4 x .7mm x 12mm	3mm (#5004)	67090
Multi-Use	Allen	#10-32 x 3/8 NF	5/32 (#5003)	67093
Multi-Use	Allen	#5-40 x 1/2 NC	3/32 (#5000)	67094
Multi-Use	Allen	#3-48 x 3/8 NC	5/64 (#5001)	67095
Multi-Use	Allen	#5-40 x 3/8 NC	3/32 (#5000)	67096
Multi-Use	Allen	#10-32 x 1/2 NF	5/32 (#5003)	67109
Torx® Screw For Insert Trim & Plunge Bits	Torx®	4 X .7mm x 5mm	#T-15 (#5005)	67115
Torx® Screw For Insert Plunge Bits	Torx®	3.5 X .6mm x 5mm	#T-15 (#5005)	67117
47090 & 47092 1/4 Trim Bits	Phillips®	#2-56 x 7/32 NC	#0 Phillips®	67134
—	Allen	4mm x 10mm	—	67137
Special	Allen	#10-32 x 3/8 NF	1/8 (#5009)	67146
Insert Flush Trim	Torx®	4mm x 12mm	#T-15 (#5005)	67176
In-Tech™ Bits	Hex	#3-48 x 3/8 NC	5/64 (#5001)	67013
In-Tech™ Bits	Flat	—	—	67099
RC-1028	Torx®	4mm x 6mm	—	67110



PORTER-CABLE ROUTER COLLET ASSEMBLY

Replacement Collet for Porter-Cable 690 and 890 Series Routers.

For Shank	Comparable to Portercable #	Tool No.
1/4	42999	CO-132
1/2	42950	CO-136

▲ **Warning:** Before use, read router bit safety guidelines on pages 266-268.

INDUSTRIAL

REPLACEMENT PARTS & ACCESORIES 255



Allen



Torx®



ALLEN-TYPE HEX AND TORX® KEYS SHORT ARM

Case Hardened • Black Oxide Finish

Use With Application	Type	Size	Key Screw # (s)	Tool No.
Multi-Use	Allen	3/32	67094,67096	5000
Insert Plunge	Allen	5/64 (2mm)	67095	5001
47724-47730, 47739 Collars	Allen	1/16	67091	5002
Helix Trim & Bowl Bit	Allen	5/32	67093,67109	5003
20200 Adj. C/S	Allen	3mm	67090	5004
Metric C/S & Chucks	Allen	2.5mm	67087,67097	5007
Solid Surface Bits	Allen	1/8	67109	5009
Insert Cutterheads	Allen	3mm	67142	5012
New Insert Bits RC-2000 & RC-3000 Series	Allen	1.5mm	67015,67016, 67017	5011
Profile Pro™ Cutterheads	Allen	4mm	—	5010
Nova System™ Router Bits	Torx®	#T-20	67154	5015
61288, 61292	Torx®	#T-25	67154	5025



Allen



Torx®



TORX® AND ALLEN KEY

Case Hardened • Black-Oxide Finish

Application	Type	Key Size	Use With Screw #	Tool No.
'RC' Series Insert Trim Bits	Torx®	#T-15	67115	5005
61218	Torx®	#T-10	67117	5018 <small>New</small>
Insert Cutterheads	Torx®	#T-9	67160	5090
Rosette Cutterheads – Hex Key	Allen	3mm	67008	5008



HEX KEY / 'T'- HANDLE

Case Hardened • Black-Oxide Finish

Application	Type	Key Size	Use With Screw #	Tool No.
Insert Cutterheads-T Handle	Allen	2.5mm	—	5013
Insert Cutterheads-T Handle	Allen	4mm	—	5014

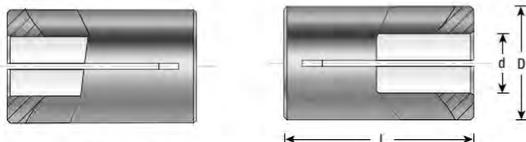


WRENCH HANDLE

Case Hardened • Black-Oxide Finish

Application	Tool No.
EZ Dial™ Slot Cutters	5017
Nova System	5015

HIGH PRECISION STEEL ROUTER COLLET REDUCERS



Bit sold separately.

ØD	Ød	L	Tool No.
4mm	2mm	20mm	RB-140
4mm	2.5mm	20mm	RB-142
6mm	3mm	20mm	RB-164
6mm	4mm	20mm	RB-166
6mm	1/8	20mm	RB-168
1/4	5/64	3/4	RB-088
1/4	2mm	3/4	RB-090
1/4	3/32	3/4	RB-091
1/4	2.5mm	3/4	RB-092
1/4	3mm	1	RB-100
1/4	1/8	1	RB-102
1/4	4mm	3/4	RB-101
1/4	3/16	1	RB-103

ØD	Ød	L	Tool No.
8mm	6mm	1	RB-104
8mm	1/4	1	RB-106
3/8	1/8	1	RB-121
3/8	1/4	1	RB-108
3/8	8mm	1	RB-123
10mm	6mm	25mm	RB-124
10mm	1/4	25mm	RB-109
10mm	8mm	1	RB-110
12mm	1/8	1	RB-125
12mm	6mm	1	RB-112
12mm	1/4	1-3/16	RB-126
12mm	8mm	1	RB-114
12mm	10mm	1	RB-127
1/2	1/8	1	RB-115
1/2	4mm	3/4	RB-111
1/2	3/16	1	RB-117

ØD	Ød	L	Tool No.
1/2	6mm	1-1/4	RB-113
1/2	1/4	1	RB-116
1/2	1/4	1-3/16	RB-128
1/2	5/16	1	RB-119
1/2	8mm	1	RB-118
1/2	9mm	1	RB-105
1/2	3/8	1-3/16	RB-122
1/2	10mm	1	RB-120
3/4	1/8	1	RB-130
3/4	6mm	1-1/4	RB-131
3/4	1/4	1-1/4	RB-132
3/4	5/16	1-1/4	RB-134
3/4	8mm	1-1/4	RB-135
3/4	3/8	1-1/4	RB-136
3/4	10mm	1-1/4	RB-138
3/4	12mm	1-1/4	RB-137
3/4	1/2	1-1/4	RB-139

Warning: Reducing the router collet with a sleeve is not a long term solution, for best results using the correct size collet is strongly recommended.

10 PIECE BRASS TEMPLATE GUIDE SET

Designed to fit into the router sub-base and guide the router through curved and complex shapes. Must be used with a template offset to accommodate the bushing diameter.

Description	Tool No.
10 Piece Template Guide Set	BTG-100

Template Guide Set Includes:

I.D.	O.D.
1/4	5/16
9/32	3/8
11/32	7/16
13/32	1/2
17/32	5/8
21/32	3/4
5/8	51/64
Adapter	—
Lock Nut	—



BRASS INLAY BUSHING

Includes both 3/16" & 9/16" O.D. for 1:1 ratio. Threaded lock collar included. Use #46200 1/8" down-cut spiral (not included).

Description	Tool No.
Inlay Bushing	BTG-200



Warning: Before use, read router bit safety guidelines on pages 266-268.

INDUSTRIAL

REPLACEMENT PARTS & ACCESORIES 257

INDUSTRIAL

Insert Knives

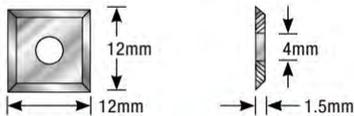
Solid Carbide



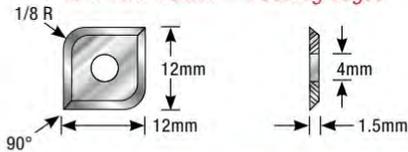
STRAIGHT SOLID CARBIDE INSERT KNIVES

New grades now available for different material types such as softwood/hardwood, MDF/solid surface and micro-finish for general purpose. All knives have a 35° bevel, except the micro finish 'MF' series which has a 45° bevel.

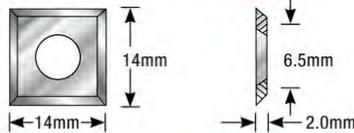
12 x 12 x 1.5mm – 4 Cutting Edges



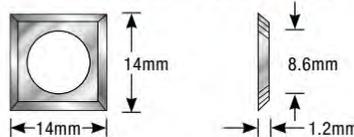
12 x 12 x 1.5mm – 4 Cutting Edges



14 x 14 x 2mm – 4 Cutting Edges



14 x 14 x 1.2mm – 4 Cutting Edges



Tool Application	'G' 35° Gen. Purpose Wood, Chipboard, Plywood	'S' 35° Solid Wood DLC Coated*	'S' 35° Softwood/ Hardwood	'H' 35° MDF, Chipboard, Solid Surface	'MF' 45° Micro-finish Gen. Purpose
Insert Trim Bits	Tool #	Tool #	Tool #	Tool #	Tool #
RC-1000, RC-1008, RC-1010, RC-1014, RC-1024, RC-2241, RC-2242, RC-2243, RC-2245, RC-2257, RC-2258	AMA-12	AMA-12-DLC*	SMA-12	HMA-12	MFA-12

Insert Trim Bits	Tool #				
RC-2242	RCK-344	—	—	—	—

Insert Cutterhead	Tool #	Tool #	Tool #	Tool #	—
61292, 61340, 61360, 61362, 61460, 61462, 61470, 61472, 61480, 61482	RCK-70	RCK-70-DLC*	SCK-70	HCK-70	

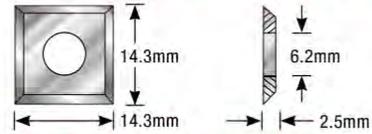
Insert Cutterheads	Tool #	Tool #	—	—	—
61350, 61452	RCK-71	RCK-71-DLC*			

* Diamond-Like Carbon (DLC)

Tool Application	'G' 35° Gen. Purpose Wood, Chipboard, Plywood	'S' 35° Softwood/ Hardwood	'H' 35° MDF, Chipboard, Solid Surface	'MF' 45° Micro-finish Gen. Purpose
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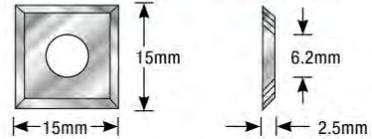
Various	Tool # RCK-73	—	—	—
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14.3 x 14.3 x 2.5mm – 4 Cutting Edges



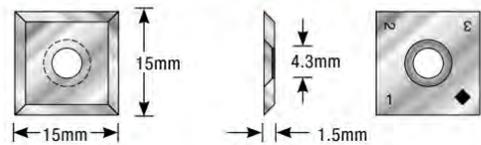
Various	Tool # RCK-15	—	—	—
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15 x 15 x 2.5mm – 4 Cutting Edges



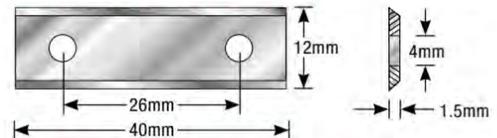
Various	Tool # RCK-502 <i>New</i>	—	—	—
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15 x 15 x 1.5mm – 4 Cutting Edges



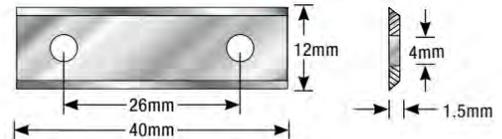
Various RC-2370, RC-2370LH	Tool # RCK-40	—	—	—
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40 x 12 x 1.5mm – 2 Cutting Edges



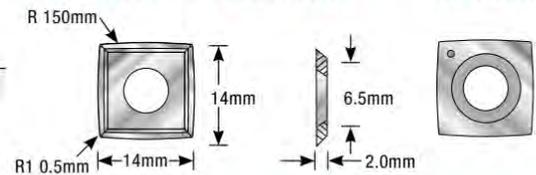
Various	Tool # ICK-40	—	—	—
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40 x 12 x 1.5mm – 2 Cutting Edges



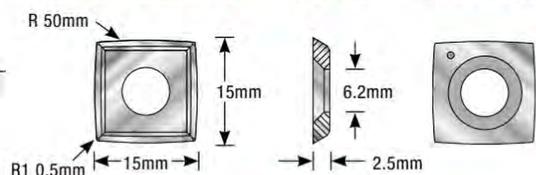
Various	Tool # RCK-378	—	—	—
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14 x 14 x 2mm – 4 Cutting Edges *Round Edge*



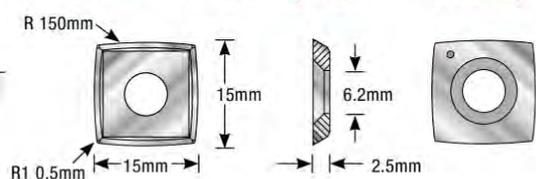
Various	Tool # RCK-13	—	—	—
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15 x 15 x 2.5mm – 4 Cutting Edges *Round Edge*



Various	Tool # RCK-370	—	—	—
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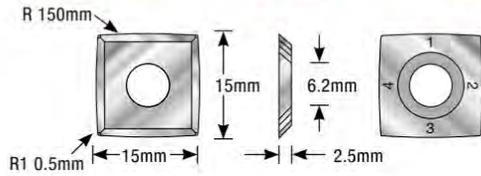
15 x 15 x 2.5mm – 4 Cutting Edges *Round Edge*



Warning: Before use, read router bit safety guidelines on pages 266-268.

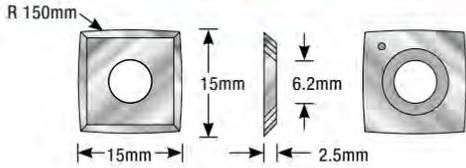
INDUSTRIAL

15 x 15 x 2.5mm – 4 Cutting Edges Round Edge



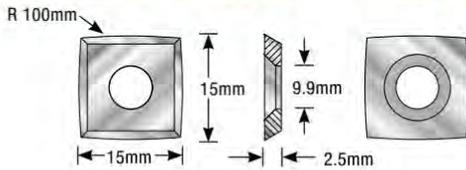
Tool Application	'G' 35°	'S' 35°	'S' 35°	'H' 35°	'MF' 45°
	Gen. Purpose Wood, Chipboard, Plywood	Solid Wood	Softwood/ Hardwood	MDF, Chipboard, Solid Surface	Micro-finish Gen. Purpose
Various	Tool # RCK-372	—	—	—	—

15 x 15 x 2.5mm – 4 Cutting Edges Pointed Edge



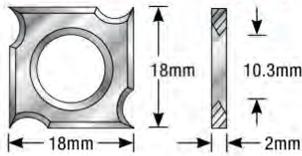
Tool #	'G' 35°	'S' 35°	'S' 35°	'H' 35°	'MF' 45°
Various	Tool # RCK-374	—	—	—	—

15 x 15 x 2.5mm – 4 Cutting Edges Pointed Edge



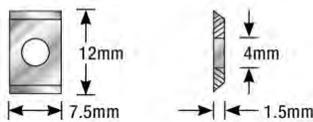
Tool #	'G' 35°	'S' 35°	'S' 35°	'H' 35°	'MF' 45°
Byrd Shelix®	Tool # RCK-165	—	—	—	—

18 x 18 x 2mm – 4 Cutting Edges



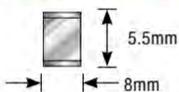
Insert Cutterheads	Tool #	'G' 35°	'S' 35°	'S' 35°	'H' 35°	'MF' 45°
61350, 61452	Tool # RCK-18	—	—	—	—	—

7.5 x 12 x 1.5mm – 2 Cutting Edges



Insert Cutterheads	Tool #	'G' 35°	'S' 35°	'S' 35°	'H' 35°	'MF' 45°
61360	Tool # AMA-17	—	—	Tool # HCK-17	—	—

8 x 5.5 x 1.1mm – 2 Cutting Edges

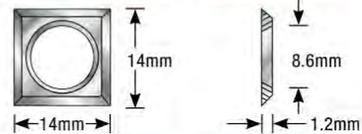


Use on RC-2000	Tool #	Tool #	'G' 35°	'S' 35°	'S' 35°	'H' 35°	'MF' 45°
	Tool # RCK-8	Tool # RCK-8-DLC *	—	—	—	—	—

* Diamond-Like Carbon (DLC)

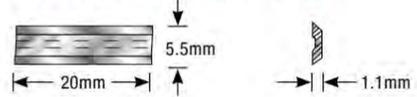
Tool Application	'G' 35° Gen. Purpose Wood, Chipboard, Plywood	'S' 35° Solid Wood DLC Coated*	'S' 35° Softwood/ MDF, Chipboard, Hardwood	'H' 35° Solid Surface	'MF' 45° Micro-finish Gen. Purpose
For Holz-Her® System	Tool #	—	—	—	—
	RCK-75				

14 x 14 x 1.2mm – 4 Cutting Edges



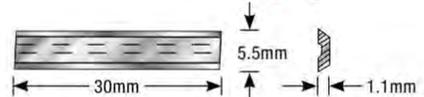
Insert Straight Bit	Tool #	—	—	—
RC-3100	RCK-32			

20 x 5.5 x 1.1mm – 2 Cutting Edges



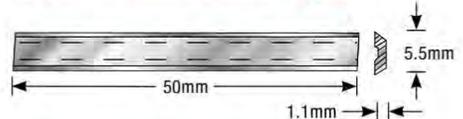
Insert Straight Bits	Tool #	Tool #	—	Tool #	—
RC-3110, RC-3200, RC-3260, RC-3300, RC-3310, RC-3312, RC-3318, RC-3320	RCK-34	RCK-34-DLC*		HCK-34	

30 x 5.5 x 1.1mm – 2 Cutting Edges



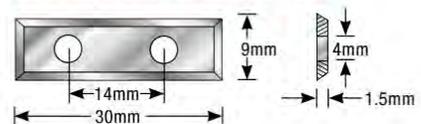
Insert Straight Bits	Tool #	—	—	Tool #	—
RC-3304, RC-3314, RC-3316, RC-3322, RC-3324	RCK-36			HCK-36	

50 x 5.5 x 1.1mm – 2 Cutting Edges



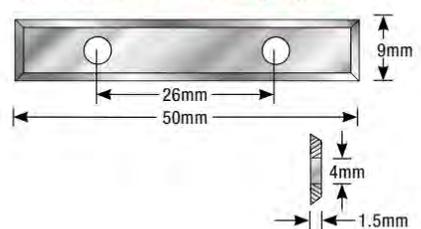
Insert Straight Bits	Tool #	Tool #	—	—	Tool #
RC-1154, RC-2080, RC-2082, RC-2154	AMA-30	AMA-30-DLC*			MDF-30

30 x 9 x 1.5mm – 4 Cutting Edges



Various	Tool #	—	—	—
	AMA-50			

50 x 9 x 1.5mm – 4 Cutting Edges



PORTABLE PLANER KNIVES

Solid Carbide

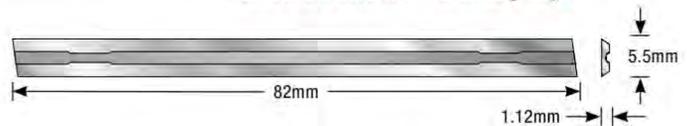
Solid carbide reversible knives designed for many popular 3-1/4" machines.

The ICK-100 (82mm) will fit many models by AEG, Bosch, Hitachi, Makita, Metabo, Ryobi, Skil, etc.

The ICK-200 (82.7mm) will fit many models by Black & Decker.

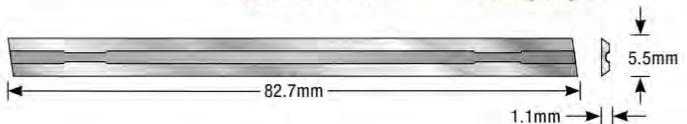
Includes one pair of 2-sided (reversible) knives.

Portable Planer	Tool #
AEG, Bosch, Hitachi, Makita, Metabo, Ryobi, Skil	ICK-100



82.7 x 5.5 x 1.12mm – 2 Cutting Edges

Portable Planer	Tool #
Black & Decker	ICK-200



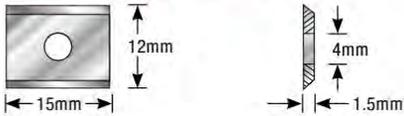
* Diamond-Like Carbon (DLC)

Warning: Before use, read router bit safety guidelines on pages 266-268.

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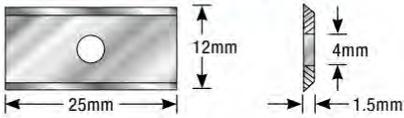
REPLACEMENT PARTS & ACCESORIES 261

15 x 12 x 1.5mm – 2 Cutting Edges



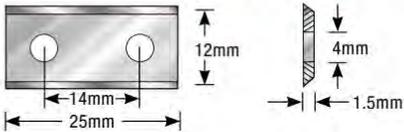
Tool Application	'G' 35° Gen. Purpose Wood, Chipboard, Plywood	'S' 35° Solid Wood DLC Coated *	'S' 35° Softwood/ Hardwood	'H' 35° MDF, Chipboard, Solid Surface	'MF' 45° Micro-finish Gen. Purpose
Insert Cutterheads	Tool #	—	Tool #	—	—
61342, 61362,	ICK-15		HCK-15		

25 x 12 x 1.5mm – 2 Cutting Edges



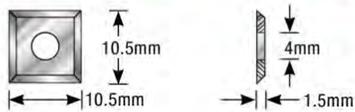
Various	Tool #	—	—	—	—
	AMA-25				

25 x 12 x 1.5mm – 2 Cutting Edges



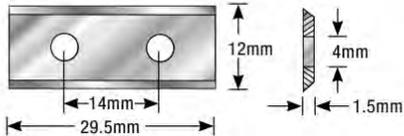
Various	Tool #	—	Tool #	—	—
	ICK-25		HCK-25		

10.5 x 10.5 x 1.5mm – 4 Cutting Edges



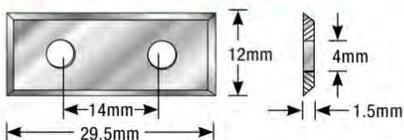
Various	Tool #	—	Tool #	—	—
	AMA-10		HMA-10		

29.5 x 12 x 1.5mm – 2 Cutting Edges



Insert Trim Bits	Tool #	Tool #	Tool #	Tool #	Tool #
RC-1004, General Use	ICK-30	ICK-30-DLC*	SCK-30	HCK-30	MFK-30

29.5 x 12 x 1.5mm – 4 Cutting Edges



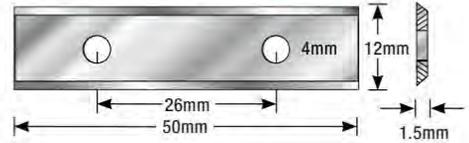
Insert Straight Bits	Tool #	Tool #	Tool #	Tool #	—
RC-1084, RC-2086,	RCK-30	RCK-30-DLC*	SRK-30	HRK-30	

* Diamond-Like Carbon (DLC)

Tool Application	'G' 35° Gen. Purpose Wood, Chipboard, Plywood	'S' 35° Solid Wood DLC Coated*	'S' 35° Softwood/ MDF, Chipboard, Hardwood	'H' 35° Micro-finish Solid Surface	'MF' 45° Gen. Purpose
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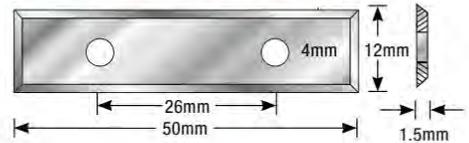
Insert Cutterhead	Tool #	Tool #	Tool #	Tool #	—
61304, 61306, 61310	ICK-50	SCK-50-DLC *	SCK-50	HCK-50	

50 x 12 x 1.5mm – 2 Cutting Edges



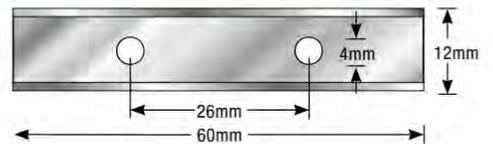
Insert Cutterhead	Tool #	Tool #	Tool #	Tool #	—
RC-1158, RC-1162, RC-2158, RC-2164	RCK-50	RCK-50-DLC *	SRK-50	HRK-50	

50 x 12 x 1.5mm – 4 Cutting Edges



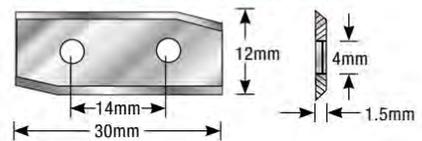
Insert Cutterhead	Tool #	—	—	—	—
61484, 61485, 61467	ICK-60				

60 x 12 x 1.5mm – 2 Cutting Edges



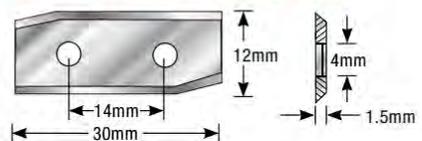
Edgebander Trim Knives, Right Hand	Tool #	—	—	—	—
	ICK-35RH				

30 x 12 x 1.5mm – 2 Cutting Edges



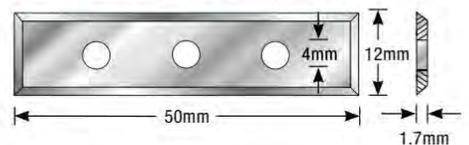
Edgebander Trim Knives, Left Hand	Tool #	—	—	—	—
	ICK-35LH				

30 x 12 x 1.5mm – 2 Cutting Edges



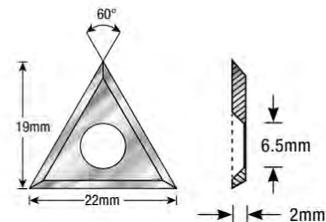
Use on RC-2400 Use on RC-1006	Tool #	Tool #	—	—	—
	RCK-151	RCK-151-DLC *			

50 x 12 x 1.7mm – 4 Cutting Edges



REVERSIBLE 30° SOLID CARBIDE INSERT

Tool Application	'G' 30° Gen. Purpose Wood, Chipboard, Plywood	Tool #
Insert Trim Bits		RCK-37



* Diamond-Like Carbon (DLC)

Warning: Before use, read router bit safety guidelines on pages 266-268.

INDUSTRIAL

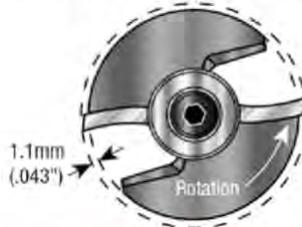
REPLACEMENT PARTS & ACCESSORIES 263

See the Difference!

Highest Quality with Maximum Safety!



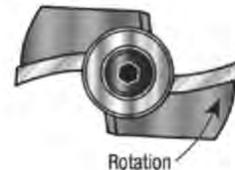
BG CERTIFIED
Anti-kickback design with chip limiter



Safer Design ✓

Other Brands

NON-BG



This "BG Standard" / EN-847-1/2 helps minimize serious work accidents in the woodworking industry for handheld and manual-fed machines.

Amana Tool® router bits are manufactured according to the five requirements of the EN-847-1/2 standard:

- Each tool features "anti-kickback" chip limiter to prevent the tool from "overfeeding" and kicking back the material to the machine operator. The standard also determines the maximum distance between the "anti-kickback" shape and the cutting edge.
- Protrusion of the knife from the supporting tool body is restricted to prevent injury.
- Sharp corners on the supporting body of the knife are prohibited, preventing injury to the user in areas where there is no knife.
- Each tool has a maximum safe speed; calculated by a computer program, that takes into account the size of the cut profile, type of steel, shank size, tool balance and machine run-out.
- Different groups of tools are produced using various grades of steel dictated by workload and material type. Tools are made from raw material defined by the standard to support the high demand of mechanical properties of woodworking tools.

Anti-Kickback.....or 'BG' Test?

The term 'Anti-Kickback' has been an industry topic for quite some time and relates to cutting tools such as router bits, saw blades, etc. There are several brands of 'Anti-Kickback' router bits presently on the market and all of them, it seems, would offer some degree of safety to the end-user because they limit the 'chip-thickness' of the material being cut. In other words, the cutting tool will take less of a 'bite', thereby decreasing the likelihood of a kickback. While this is true, however, it should be pointed out that there are significant details to be considered when designing, manufacturing and using industrial cutting tools.

1. What is 'BG'?

'BG' is an acronym for 'Holz Berufsgenossenschaft', the German Woodworking Trade Association. For the sake of worker safety, this esteemed group has established basic rules for the design, manufacturing and use of cutting tools for the wood and plastic industries.

These basic rules concern testing the working safety of woodworking machine tools. They establish test procedures and indicate all essential regulations and rules of technology, which need to be taken into account during testing. Precise geometric design, as well as the use of high quality materials and replacement parts complying with DIN standards, will ensure a

safe tool with a high degree of precision in the production and the balance of the tools. The purpose of the test is to ascertain whether it is ensured that users or third parties, who are handling the tools properly are, in fact, protected as far as possible from risk to life or health.

Tools for use in wood and plastic working are classified into two groups: manual feed operations and mechanical feed operations.

Manual Feed Operations

'Manual feed' describes the holding and/or guiding by hand of the work-piece or of a machine element incorporating a tool. Manual feed includes the use of a hand-operated carriage, on which the work-piece is placed manually or clamped and the use of a demountable power feed unit. Tools for manual operation marked 'BG-TEST' are designed according to the following rules:

- a) Thickness of chip limit with a maximum cutting edge projection of 1.1mm (.043"), over the total length of the cutting profile;
- b) Restricted maximum chip clearance width, including the regrinding range as a function of the cutting flight circle;
- c) Kickback ratio must not exceed $0.25 V_r/V_s < 0.25$ (where V_s = cutting velocity and V_r = kickback velocity).

Special purpose tools which, for reasons of speed and economy, cannot be inspected by the German Woodworking Trade Association may be used manually, if they conform with the above requirements.

Mechanical Feed Operation

'Mechanical feed' means a feed mechanism for the work-piece or tool, which is integrated with the machine and where the work-piece or machine element with incorporated tool are held and controlled mechanically during the machining operation.

All the tools may be used for mechanical feed operation. The rules that characterize manual feed operation tools do not apply to them, except for the manufacturer's label and maximum permitted speed. The basic rules applying to manual feed operations do not apply to router bits with diameters smaller than 16mm.

2. 'BG' Form vs 'BG' Test

'BG' Form is a term indicating cutting tools which have the same general circular shape of 'BG' Test tools, but which do not comply with the strict regulations governing 'BG' Test as outlined above (1.1mm cutting edge projection, restricted maximum chip clearance width, etc.). There is a significant difference between the two.

Important Note: Unless specified otherwise, all router bits larger than 5/8" (16mm) diameter in this catalog are 'BG-TEST'. This does not apply to CNC router bits.

TECHNICAL INFORMATION

Router Bit Selection, Application & Maintenance

1. GENERAL INFORMATION

The router bits contained in this catalog are designed for use in portable or stationary/CNC routing machines only. Do not use router bits in any other equipment such as a drill press, portable electric drill, etc. Conversely, 'Boring Bits' are designed for boring machines and/or drill presses, and not for routing machines or portable drills. Unless specified otherwise, all router bits in this catalog are for clockwise (right hand) rotation.

Always wear proper eye protection while operating routers.

Read and understand all information provided with the particular router you are using. The router should be of high quality and all parts thereof should be well maintained. Keep body, clothing and hair away from all moving parts.

Cutting tools that are properly sharpened and maintained will cut faster, better and longer, and will be safer to use. In addition, less horsepower is required (both machine & operator) when sharp tools are used.

2. ROUTER TOOL SELECTION

Carbide router bits provide an excellent finish in solid hard and softwood, wood by-products such as MDF and plywood, and abrasive materials such as plastic, Corian® and other solid surface sheet goods. Under certain conditions, non-ferrous metals such as aluminum and brass can also be cut using carbide tools provided that a coolant is used and proper clamping devices are employed. Extreme care should be taken when cutting non-ferrous metals, and if you are not familiar with the special cutting properties of these materials, please seek professional advice before you attempt any routing or sawing. **Never** attempt to cut ferrous metals (steel, iron, etc.) with carbide router bits.

Solid steel portions of our tools (shank, tool body) are **turned, milled and ground** (not cast) from the highest quality tool-steel available.

Note: On certain grinding equipment, cast body tools have been known to be more difficult to re-sharpen due to indexing complications. Choose your tools carefully.

Always use the **shortest cutting edge** available that will meet the requirements of your application. Excessive cutting edge length and/or overall length compounds vibration and deflection – a leading cause of tool breakage.

Always use the **largest diameter shank** available that your router will accommodate.

Always use the **correct size collet** for your router and avoid using collet reducing sleeves or bushings. Reducers only add to vibration and run-out, and they generally do not provide the necessary holding capabilities as with a collet alone.

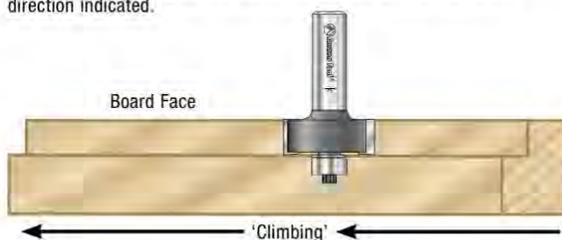
3. ROUTER TOOL USAGE

Always use **properly sharpened cutting tools**. The **feed-rate** of a router to the work-piece (or vice-versa if used in a router table) is very important to the longevity of the tool and the overall quality of cut. The operator should feel a constant, even pressure when the work is applied to the cutter. If chattering occurs, stop the router promptly and inspect the router, cutting tool, collet and clamping devices, and ensure that the proper tool is being used for the material being cut.

Always keep the tool moving. Allowing the tool to 'dwell' in the cut will cause burning and reduce tool life immensely. Remember, heat can ruin a sharp tool.

Feed-rate ultimately depends on three factors: 1) the type of material being cut, 2) the amount of material being removed and, 3) the type of tool being used.

'Climb-cutting' is **not recommended** as a portable routing technique. This action tends to grab the wood and pull the cutting tool in the direction indicated.



If using extremely **large diameter** tools, always accomplish the cut with several passes of the router or, if applicable, remove as much material prior to using the large tool by means of chamfering, etc. This method will increase tool life and generally be a safer practice than trying to remove too much material in one pass. Large diameter router bits should generally be used in a high quality router table.

Proper **collet condition** is of extreme importance. Worn, scored or out-of-round router collets do not provide adequate holding power and will increase run-out and vibration. Multiply these factors by the router RPM (22,000 and greater), and you will realize why we must emphasize the importance of proper router collet condition. Do not assume that new collets are geometrically correct. Dark marks or grooves in the router bit shank usually indicate slippage and a worn collet, which should be replaced immediately.

Router bits should always be **completely inserted** into the collet and backed-off slightly (1/16" approx.). **Never partially insert the bit into the collet.** Follow the guidelines provided in your router owner's manual for further information regarding this and the appropriate usage of the router base and sub-base (particularly for larger diameter tools that do not clear the standard opening in the router sub-base).

4. ROUTER TOOL MAINTENANCE

Carbide tools can be **re-sharpened** many times. Always have your cutting tools re-sharpened by a **reputable grinding firm only**.

Do not attempt to sharpen your own router bits by means of files, whetstones, etc.

Keep your cutting tools clean and free of dirt, wood resin, pitch and other contaminants using a standard commercial solvent. A light coat of machine oil should prevent any surface discoloration or rust. Thoroughly wipe clean all shanks to prevent slippage during use.

Ball Bearings should not be cleaned with solvents, as this will deteriorate the special grease packed inside them. Rather, use an air gun to blow off any dust or dirt. 'Frozen' ball bearings (ones that do not rotate freely) should be replaced promptly.

Hardware (nuts, screws, washers) should be replaced if worn.

See "Replacement Parts" on pages 247-263.

5. ROUTER TOOL TERMINOLOGY

Cutting Diameter ('D') refers to the largest cutting diameter of the tool and is represented in fractions, decimals and/or millimeters.

Cutting Length ('B or C') refers to the length or 'depth' of the cutting edge. This dimension usually represents the cutting edge length parallel to the length of the shank and is represented in fractions and/or millimeters.

Shank Diameter ('d') refers to the largest diameter of the shank and is equivalent to the router collet inside diameter that is necessary to use the tool. This dimension is represented in fractions.

Overall Length ('L') refers to the total length of a router bit from the top of the shank to the bottom of the tool at its furthestmost point. This dimension is represented in fractions and/or millimeters.

Radius ('R') of a cutting tool edge refers to one-half the diameter of a complete circle, and is shown in fractions and/or millimeters.

Bevel Angle ('a°') refers to the angle formed between the cutting tool edge and a straight line drawn parallel or perpendicular to the shank length, and is measured in degrees.

Rake Angle ('T') refers to the angle (or "hook") of the cutting tool tip in relationship to a straight line drawn perpendicular through the center of the tool. This dimension is measured in degrees.

Primary Radial Clearance ('P') refers to the relief grind on the tip of the tool and is measured in degrees.

Secondary Radial Clearance ('O') refers to the combined relief grind of the primary clearance and the clearance ground into the body of the tool. This dimension is measured in degrees.

Web Diameter ('N') refers to the thickness of the ground steel body of the tool, including the heel area ('M'). The web must be of adequate thickness to withstand industrial routing applications.

Safety Guidelines for router bits



1. Always refer to your power tool owner's manual prior to using your router and router bits.



2. Always wear eye and hearing protection. Keep clothing clear of cutting area.



3. Never exceed the recommended RPM for the router bit. See reference chart online <http://www.amanatool.com/maxrpm>



4. Check the router collet periodically for wear.



5. Never use a large diameter bit in a handheld router. Refer to Amana Tool® website and catalog for guidelines.



6. Plan the cutting path to avoid cutting the power cord.

SAFETY GUIDELINES *For Router Bits*



7. Always use a guard and a fence while routing.



8. Secure the router motor in the base before plugging it into the power outlet.



9. Make certain that the power switch is in the "OFF" position before connecting the router to the power source.



10. Make certain that the stock is free of warp, twist, nails, screws, staples, grit or any other foreign object.



11. Do not bottom-out the bit in the collet; insert the bit fully and then back it out 1/8" or to stop line K, when available.



12. Always use featherboards to hold the work-piece firmly to the table and fence.

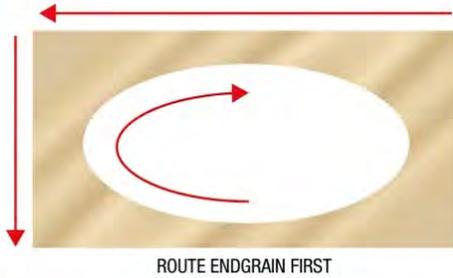


13. Never start the router with the router bit in contact with the stock/work-piece.



14. Always use "push blocks" and "push sticks" to distance your hands from the bit.

SAFETY GUIDELINES *For Router Bits*



- 15.** Push the router in a counter-clockwise direction for external cuts and clockwise for internal cuts.



- 17.** Avoid routing small stock. Shape a larger work-piece and then reduce it in size. If you must shape a small piece use a jig or large wooden clamp to grasp the stock.

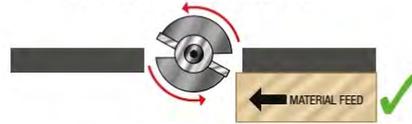


- 19.** Use a jig or miter gauge when shaping end of narrow stock.

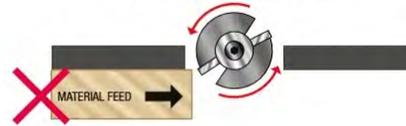


- 21.** Use a starting pin when shaping curved stock without the use of a template.

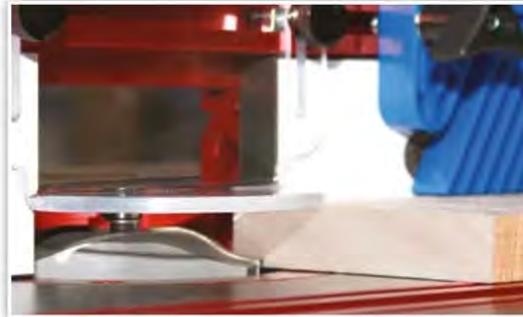
CORRECT WAY TO ROUT WORK-PIECE



DO NOT ATTEMPT CLIMB CUTTING



- 16.** Never "climb" cut. Always feed the work-piece against the rotation of the bit.



- 18.** Always plan to route in several passes to achieve the final profile. Do not force the bit into the work-piece. If the router is straining or becomes overloaded, the cut is too heavy or bit is dull.



- 20.** Reduce the fence opening as much as possible in order to provide support for the work-piece. When using large diameter bits, such as a raised panel bit, make a zero-clearance fence opening.

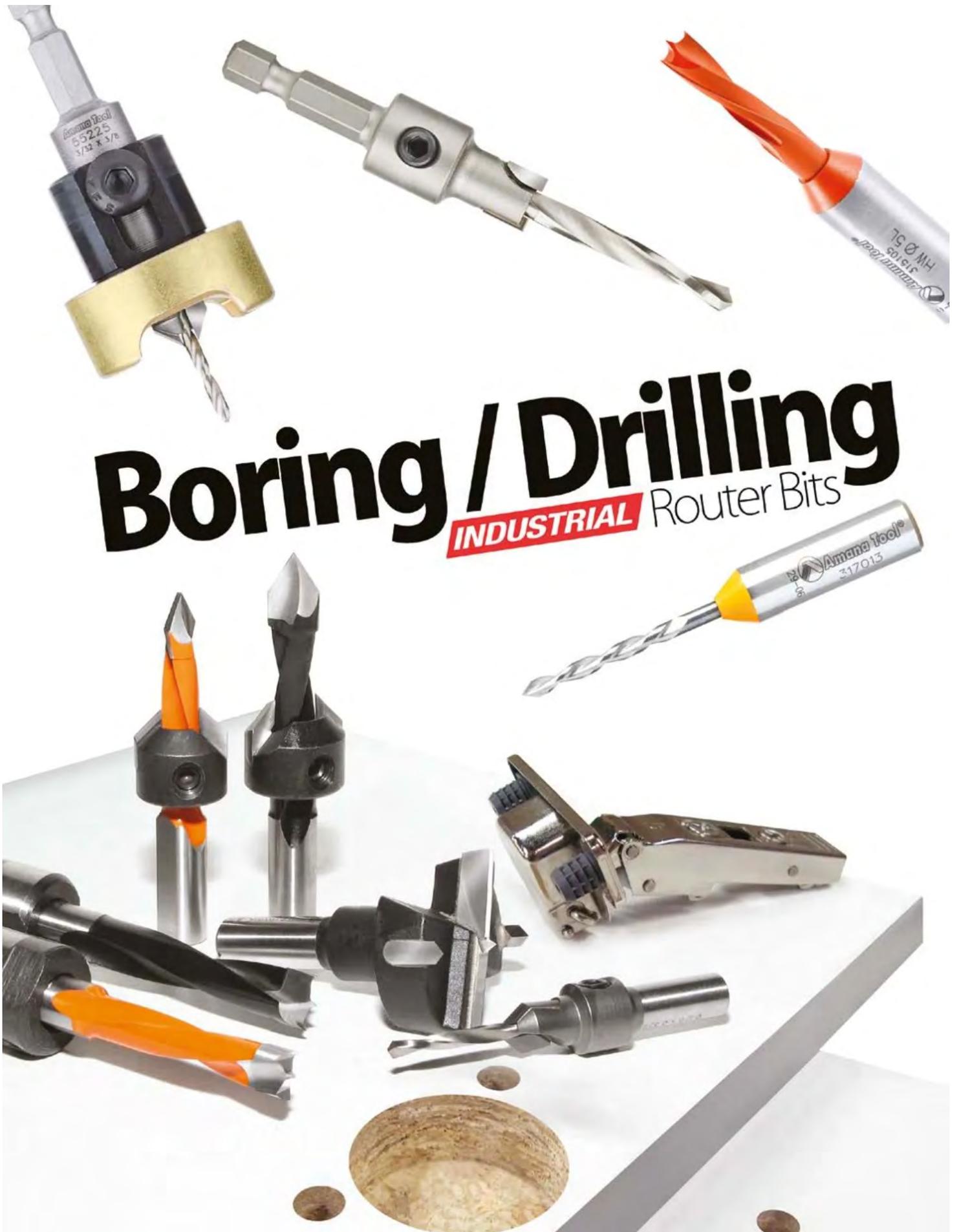


- 22.** When shaping curved stock with a template, extend template beyond the work-piece so that the template contacts the guide bearing before work-piece contacts the bit.



Boring / Drilling

INDUSTRIAL Router Bits



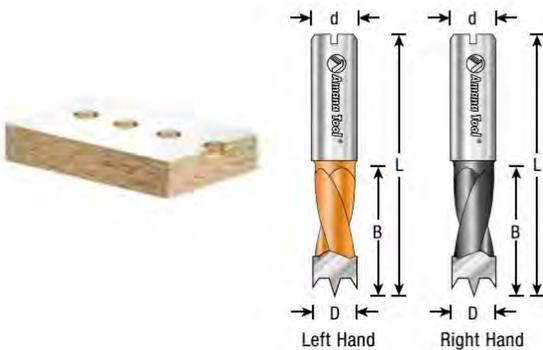


INDUSTRIAL

Brad Point Boring Bits are coated with a non-stick coating for longer lasting cutting edge and tool life.

This special Polytetrafluoroethylene (PTFE) non-stick color coating is applied onto the bit at a temperature of 570° F. The coating reduces the friction between the chip and the body inside the flute and it helps to clear the chips out of the hole during the drilling, creating a cooler drilling area with no burning and a longer lasting cutting edge.

In cases where the carbide tip cutting edges are coated, there is no need to sand the coating off before use. Once the tool starts drilling, the coating is quickly cleared off the needed cutting edge.

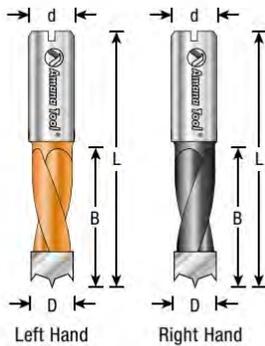
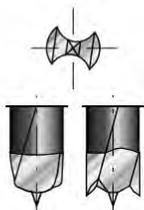


BRAD POINT BORING

Carbide Tipped • 57mm Long • 10mm x 30mm Shank*

ØD	B	Ød	L	Tool No.	
				LH	RH
3mm	27mm	10mm	57mm	301003†	201003†
3.2mm	27mm	10mm	57mm	301032†	201032†
4mm	27mm	10mm	57mm	301004	201004
4.5mm	27mm	10mm	57mm	—	201045
5mm	27mm	10mm	57mm	301005	201005
5.1mm	27mm	10mm	57mm	—	201051
5.2mm	27mm	10mm	57mm	301052	201052
5.5mm	27mm	10mm	57mm	301055	201055
6mm	27mm	10mm	57mm	301006	201006
6.5mm	27mm	10mm	57mm	—	201065
7mm	27mm	10mm	57mm	301070	201070
7.5mm	27mm	10mm	57mm	301075	201075
8mm	27mm	10mm	57mm	301008	201008
8.2mm	27mm	10mm	57mm	301082	201082
9mm	27mm	10mm	57mm	—	201090
10mm	27mm	10mm	57mm	301010	201010
10.5mm	27mm	10mm	57mm	301105	201105
12mm	27mm	10mm	57mm	301012	201012
14mm	27mm	10mm	57mm	301014	201014
15mm	27mm	10mm	57mm	301015	201015
17mm	27mm	10mm	57mm	301017	201017
19mm	27mm	10mm	57mm	—	201019
20mm	27mm	10mm	57mm	—	201020
1/4	27mm	10mm	57mm	301007	201007
3/8	27mm	10mm	57mm	301009	201009
1/2	27mm	10mm	57mm	301013	201013

† With solid carbide cutting edge.

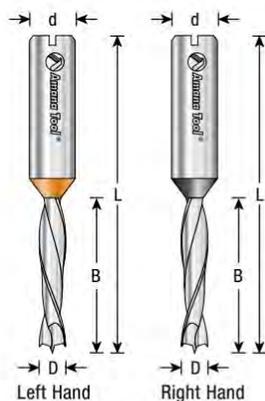


HIGH PERFORMANCE DITEC™ BRAD POINT BORING

Carbide Tipped • 57mm & 70mm Long • 10mm Shank*

Ditec™ dowel drills feature special grinding and high performance carbide for ultra long-lasting applications.

ØD	B	Ød	L	Tool No.	
				LH	RH
5mm	27mm	10mm	57mm	305005	205005
8mm	27mm	10mm	57mm	305008	—
5mm	40mm	10mm	70mm	306005	206005
8mm	40mm	10mm	70mm	306008	206008



BRAD POINT DOWEL DRILL

Solid Carbide • 57.5mm & 70mm Long • 10mm x 30mm Shank*

Special solid carbide grade cutting flute for long lasting performance.

ØD	B	Ød	L	Tool No.	
				LH	RH
3mm	18mm	10mm	57.5mm	315103	215003
5mm	22mm	10mm	57.5mm	315105	215005
8mm	22mm	10mm	57.5mm	315108	215008
3mm	18mm	10mm	70mm	317003	217003
5mm	30mm	10mm	70mm	317005	217005
8mm	35mm	10mm	70mm	317008	217008

Max RPM=8,000

* Not to be used in portable drills or handheld routers.

BRAD POINT BORING

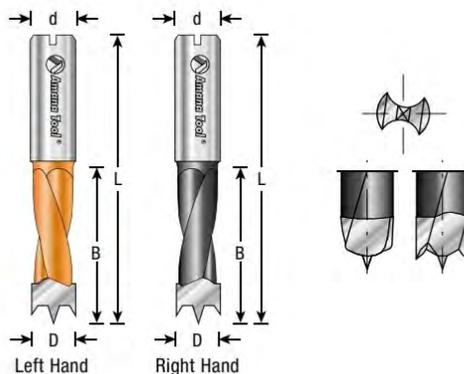
Carbide Tipped • 70mm Long • 10mm x 30mm Shank*

ØD	B	Ød	L	Tool No. LH	Tool No. RH
3mm	40mm	10mm	70mm	304003 †	204003 †
3.2mm	40mm	10mm	70mm	304032 †	204032 †
4mm	40mm	10mm	70mm	304004	204004
4.5mm	40mm	10mm	70mm	304045	204045
5mm	40mm	10mm	70mm	304005	204005
5.1mm	40mm	10mm	70mm	304051	204051
5.2mm	40mm	10mm	70mm	304052	204052
5.5mm	40mm	10mm	70mm	304055	204055
6mm	40mm	10mm	70mm	304006	204006
6.5mm	40mm	10mm	70mm	304065	204065
6.7mm	40mm	10mm	70mm	—	204067
7mm	40mm	10mm	70mm	304070	204070
7.5mm	40mm	10mm	70mm	304075	204075
8mm	40mm	10mm	70mm	304008	204008
8.2mm	40mm	10mm	70mm	304082	204082
9mm	40mm	10mm	70mm	304090	204090
10mm	40mm	10mm	70mm	304100	204010
11mm	40mm	10mm	70mm	304011	204011
12mm	40mm	10mm	70mm	304012	204012
13mm	40mm	10mm	70mm	304130	204130
14mm	40mm	10mm	70mm	—	204014
15mm	40mm	10mm	70mm	304015	204015
16mm	40mm	10mm	70mm	—	204016
17mm	40mm	10mm	70mm	304017	—
3/16	40mm	10mm	70mm	304047	204047
1/4	40mm	10mm	70mm	304007	204007
3/8	40mm	10mm	70mm	304009	204009
7/16	40mm	10mm	70mm	304111	204111
1/2	40mm	10mm	70mm	304013	204013
5/8	40mm	10mm	70mm	—	204113

77mm Long • 10mm x 30mm Shank*

4mm	47mm	10mm	77mm	302004	202004
5mm	47mm	10mm	77mm	302005	202005
5.1mm	47mm	10mm	77mm	302051	—
5.2mm	47mm	10mm	77mm	—	202052
7mm	47mm	10mm	77mm	—	202070
8mm	47mm	10mm	77mm	302008	202008
8.2mm	47mm	10mm	77mm	302082	202082
9mm	47mm	10mm	77mm	302090	—
10mm	47mm	10mm	77mm	—	202010
12mm	47mm	10mm	77mm	302012	202012

† With solid carbide cutting edge.



Max RPM=8,000

* Not to be used in portable drills or handheld routers.

INDUSTRIAL BORING BITS



INDUSTRIAL

Through-Hole with V-Point Boring Bits are coated with a non-stick coating for longer lasting cutting edge and tool life.

Amana Tool® dowel drills are coated with a special Polytetrafluoroethylene (PTFE), a non-stick color coating. In cases where the carbide tip cutting edges are coated, there is no need to sand the coating off before use. Once the tool starts drilling, the coating is quickly cleared off the needed cutting edge.

Amana's coating is applied onto the bit at a temperature of 570° F. The coating reduces the friction between the chip and the body inside the flute and it helps to clear the chips out of the hole during the drilling, creating a cooler drilling area with no burning and a longer lasting cutting edge.

THROUGH-HOLE WITH V-POINT

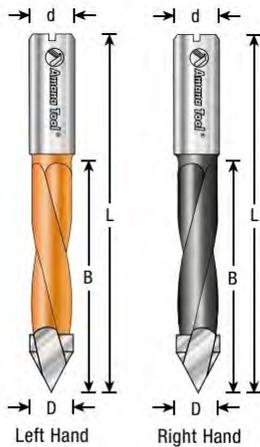
Carbide Tipped • 57mm Long • 10mm x 22mm Shank*

ØD	B	Ød	L	Tool No. LH	Tool No. RH
4mm	35mm	10mm	57mm	413004	313004
5mm	35mm	10mm	57mm	413005	313005
6mm	35mm	10mm	57mm	413006	313006
7mm	35mm	10mm	57mm	413070	313070
8mm	35mm	10mm	57mm	413008	313008
9mm	35mm	10mm	57mm	413090	—
10mm	35mm	10mm	57mm	413010	313010
12mm	35mm	10mm	57mm	413012	—
1/4	35mm	10mm	57mm	413007	—
3/8	35mm	10mm	57mm	413009	313009
1/2	35mm	10mm	57mm	413013	—

THROUGH-HOLE WITH V-POINT

Carbide Tipped • 70mm Long • 10mm x 23mm Shank*

ØD	B	Ød	L	Tool No. LH	Tool No. RH
4mm	47mm	10mm	70mm	414004	314004
5mm	47mm	10mm	70mm	414005	314005
5.5mm	47mm	10mm	70mm	414055	314055
6mm	47mm	10mm	70mm	414006	314006
7mm	47mm	10mm	70mm	414070	314070
8mm	47mm	10mm	70mm	414008	314008
9mm	47mm	10mm	70mm	414090	314090
10mm	47mm	10mm	70mm	414010	314010
11mm	47mm	10mm	70mm	—	314011
12mm	47mm	10mm	70mm	414012	314012
14mm	47mm	10mm	70mm	414014	—
3/16	47mm	10mm	70mm	414047	314047
1/4	47mm	10mm	70mm	414007	314007
9/32	47mm	10mm	70mm	414281	314281
21/64	47mm	10mm	70mm	414833	314833
11/32	47mm	10mm	70mm	414343	—
3/8	47mm	10mm	70mm	414009	314009
7/16	47mm	10mm	70mm	414111	314111
1/2	47mm	10mm	70mm	414013	314013
5/8	47mm	10mm	70mm	—	314113



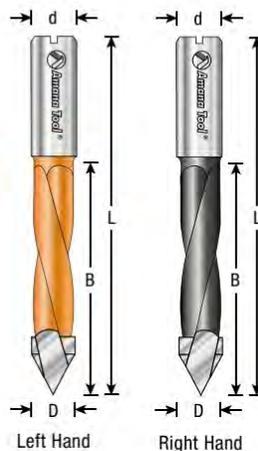
Max RPM=8,000

* Not to be used in portable drills or handheld routers.

THROUGH-HOLE WITH V-POINT

Carbide Tipped • 77mm Long • 10mm x 27mm Shank*

ØD	B	Ød	L	Tool No.	
				LH	RH
5mm	50mm	10mm	77mm	415005	315005
7mm	50mm	10mm	77mm	—	315070
8mm	50mm	10mm	77mm	415008	315008



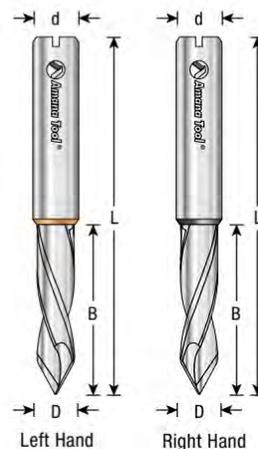
THROUGH-HOLE DOWEL DRILL

Solid Carbide • 70mm Long • 10mm x 30mm Shank*

Special solid carbide grade cutting flute for long lasting performance.



ØD	B	Ød	L	Tool No.	
				LH	RH
3mm	18mm	10mm	70mm	317013	217013
5mm	30mm	10mm	70mm	317015	217015
8mm	35mm	10mm	70mm	317018	217018



DOWEL DRILL/BORING BIT ADAPTER

For CNC Standard Collet/Tool Holder

Made especially to run 10mm shank dowel drills and boring bits on a CNC machine. Accommodates the flat area on the 10mm round drill bit shank. Secure with the two set screws, same method as on boring machines.



ØD1	Ød	ØD	L	L1	Tool No.
10mm	6mm	3/4	2-5/32	1-1/16	47643
10mm	1/4	3/4	2-5/32	1-1/16	47636
10mm	10mm	3/4	2-5/32	1-1/16	47644
10mm	1/2	3/4	2-7/16	1-1/16	47638

▲ Warning: Maximum RPM=8,000

Total Indicated Run-out (TIR) is 0.00118" (0.03mm)

CNC drop down feed rate 80-160 inches per minute (IPM).

Max RPM=8,000

* Not to be used in portable drills or handheld routers.

INDUSTRIAL BORING BITS



COUNTERSINKS FOR BORING MACHINES*

Carbide Tipped • Slow Spiral, HSS M2 DIN 338 Fully Ground Drill

Drills and countersinks in one step. Available in two sizes and each complete with the High Speed Steel drill bit and Allen wrench for easy bit replacement. 2-Flute.



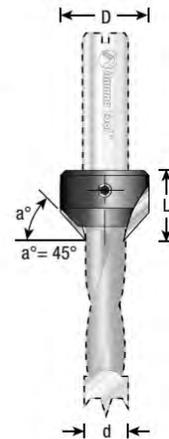
ØD	ØD1	a°	Ød	L	Repl. Drill Bit	Tool No.
1/2	4mm	45°	10mm	60mm	630-202	55640
1/2	5mm	45°	10mm	60mm	55105	55642



METRIC COUNTERSINKS*

Carbide Tipped • 2 Flute

Application: Use with 10mm shank boring bits to drill and countersink for screws in one pass.



ØD	Ød	L	Tool No. LH	Tool No. RH
16mm	5mm	16.5mm	416005	316005
16mm	7mm	16.5mm	416007	316007
18mm	8mm	16.5mm	416008	316008
18mm	9mm	16.5mm	—	316009
20mm	12mm	16.5mm	416012	316012

Replacement set screw #67087 (5mm only).

Replacement set screw #67079 (6mm to 12mm).

Note: Right hand tools rotate clockwise. Left hand tools rotate counter-clockwise.

Drills sold separately.

* Not to be used in portable drills or handheld routers.

HINGE BORING

Carbide Tipped • 57mm Long • 10mm Shank • 2-Wing with Spurs*

Application: Boring machines (10mm shank) and drill presses (3/8" shank)

ØD	Ød	L	Tool No.	
			LH	RH
15mm	10mm	57mm	203155	203151
20mm	10mm	57mm	203205	203201
22mm	10mm	57mm	—	203221
25mm	10mm	57mm	—	203251
26mm	10mm	57mm	—	203261
28mm	10mm	57mm	203285	—
30mm	10mm	57mm	203305	—
35mm	10mm	57mm	203355	203351
40mm	10mm	57mm	—	203401
3/4	10mm	57mm	—	203751

70mm Long • 10mm Shank • 2-Wing with Spurs*

15mm	10mm	70mm	—	203152
20mm	10mm	70mm	203204	203202
25mm	10mm	70mm	203254	203252
26mm	10mm	70mm	203264	203262
35mm	10mm	70mm	203354	203352
3/4	10mm	70mm	203754	203752

77mm Long • 10mm Shank • 2-Wing with Spurs*

25mm	10mm	77mm	203258	—
30mm	10mm	77mm	203308	—

90mm Long • 2-Wing with Spurs*

28mm	10mm	90mm	—	203286
35mm	10mm	90mm	—	203357



BITS FOR FESTOOL® DOMINO® JOINER

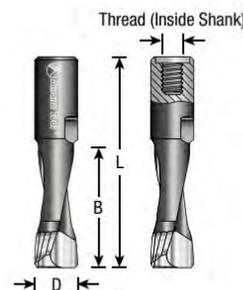
Solid Carbide & Carbide Tipped • 2 Flute • Right Hand Rotation*

Application: Used on Domino® machines for routing slots on solid wood and wood composites.

ØD	B	Thread (Inside Shank)	L	For Festool® No.	Tool No.
4mm	11mm	M6x0.75	38mm	DF500	316020†
5mm	20mm	M6x0.75	49mm	DF500	316022
6mm	28mm	M6x0.75	49mm	DF500	316024
8mm	28mm	M6x0.75	49mm	DF500	316026
8mm	50mm	M8x1	90mm	DF700	316028
10mm	28mm	M6x0.75	49mm	DF500	316030
10mm	70mm	M8x1	90mm	DF700	316032†
12mm	70mm	M8x1	90mm	DF700	316034†
14mm	70mm	M8x1	90mm	DF700	316036†

† Solid carbide.

* Not to be used in portable drills or handheld routers.



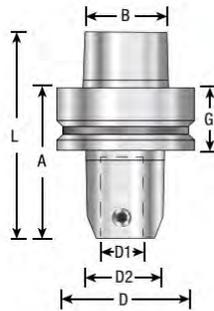
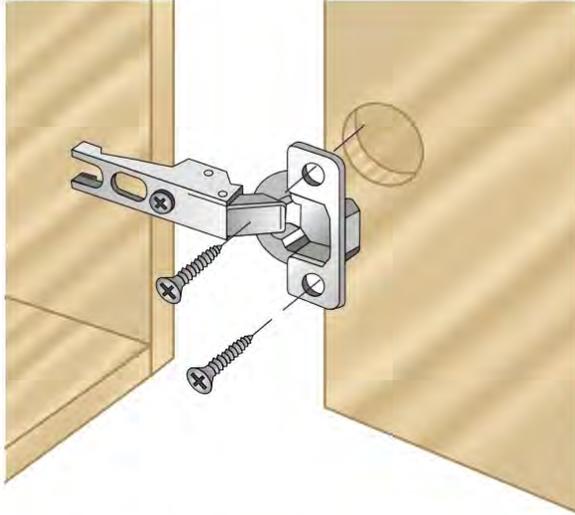


HINGE BORING*

Carbide Tipped • 10mm Round Shank • 2-Wing With Spurs

Application: Drill presses only / Metric European hinges.

ØD	Ød	L1	L	Tool No.
15mm	10mm	30mm	90mm	203015
20mm	10mm	30mm	90mm	203020
23mm	10mm	30mm	90mm	203023
35mm	10mm	30mm	90mm	203350
40mm	10mm	30mm	90mm	203040



Boring bit sold separately.

CNC DRILL CHUCK New

HSK Drill Chuck

CNC Boring and drilling chuck designed to clamp Boring and drills bits with 10mm shank.

- for RH or LH rotation tools
- HSK63F chuck with a maximum error of concentricity between the cone and the tool seat of 0.003mm.

ØD	Adapter Standard	B	D1	D2	G	A	L	Tool No.
63mm(2-15/32)	HSK63F	38mm	10mm	34mm	26mm	65mm	90mm	HO-190

3-PC. BRAD POINT & HINGE BORING BIT SET*

Carbide Tipped • 57 Long x 10mm Shank

Complete hinge installation set for boring machines.

Set# HBM-102 contains:

ØD	B	Ød	L	Type	Qty.	Tool No.
8mm	27mm	10mm	57mm	Brad Point Boring	2	301008
35mm	—	10mm	57mm	Hinge Boring	1	203351
3-Pc. Set includes 301008(2) and 203351(1)						HBM-102



Set# HBM-102



* Not to be used in portable drills or handheld routers.

HINGE BORING

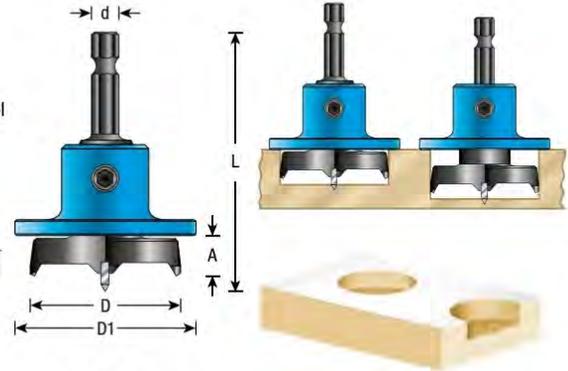
*Carbide Tipped • 2-Wing with Spurs with Adjustable Depth Stop
Quick Release 1/4" Hex Shank*

Carbide tipped with center point. Adjustable aluminum depth-stop that allow to control the depth of blind holes. Depth Range 3/8" (9.52mm) to 1/2" (12.7mm).

Prevents from damaging the door. Simple depth control.

ØD	ØD1	A	Ød	L	Wings	Tool No.
35mm	1-21/32	3/8 (9.52mm) - 1/2 (12.7mm)	1/4	2-3/8	2	203361

Replacement drill bit #55289.



HINGE BORING FOR DRILL PRESSES*

Carbide Tipped • 3/8" Shank • 2-Wing

Application: Drill presses only, right hand rotation. Economical alternative to other 35mm hinge bits.

ØD	Ød	L	Tool No.
35mm	3/8	57mm	EB-351

Note: Right hand tools rotate clockwise. Left hand tools rotate counter-clockwise.



HINGE BORING FOR ROUTERS

*Carbide Tipped • 60mm Long, 1/2" Shank, 2-Wing (No Spurs)**

Application: Designed for high RPM (22,000) on plunge routers, CNC routers, machining centers and point-to-point machines.

ØD	Ød	L1	L	Max RPM	Tool No.
35mm	1/2	30mm	60mm	28,000	203431



FRACTIONAL SIZE BORING*

Carbide Tipped • 2-Wing • With Spurs

Application: 1/2" shank for use in drill presses only.

ØD	Ød	L	Wings	Tool No.
1-1/8	1/2	4	2	420208
1-1/4	1/2	4	2	420308
1-1/2	1/2	4	2	420508



* Not to be used in portable drills or handheld routers.



METRIC BRAD POINT BORING DRILLS*

Solid Carbide

Application: Boring machines for shelving hardware, etc. Use with adapters or bushings, shown below.

Ød & ØD	L	Tool No. LH	Tool No. RH
3mm	55mm	463003	363003
3.2mm	55mm	463032	363032
3.5mm	55mm	463035	363035
4mm	55mm	463004	—
4.5mm	55mm	463045	—
5mm	55mm	—	363005

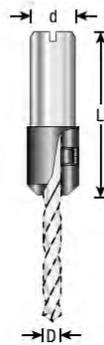


METRIC V-POINT BORING DRILLS*

Solid Carbide • 60°

Application: Boring machines for shelving hardware, etc. Use with adapters or bushings, shown below.

Ød & ØD	L	Tool No. LH	Tool No. RH
2mm	49mm	463002	363002
2.5mm	55mm	463025	363025
5mm	55mm	—	363007



10MM SHANK DRILL ADAPTERS*

With Retaining Screw

Application: Use with solid carbide drills, shown above. For quick insertion and removal from chuck. (Can be used on left or right hand drills.)

Drills sold separately.

ØD	Ød	L	Tool No.
2mm	10mm	38mm	364020
2.3mm	10mm	38mm	364023
2.5mm	10mm	38mm	364025
3mm	10mm	38mm	364030
3.2mm	10mm	38mm	364032
3.5mm	10mm	38mm	364035
4mm	10mm	38mm	364040
1/4	10mm	38mm	364063

Replacement set screw #67092 (new style #10-24) or #67097 (old style 5x8mm).



10MM SHANK DRILL BUSHINGS*

Application: Use with solid carbide drills, shown above. Economical alternative to drill adapters. (Can be used on left or right hand drills.)



Ød	ØD	L	Tool No.
2mm	10mm	23mm	365020
2.5mm	10mm	23mm	365025
3mm	10mm	23mm	365030
3.2mm	10mm	23mm	365032
3.5mm	10mm	23mm	365035
4.5mm	10mm	23mm	365045
5mm	10mm	23mm	365050
6.0mm	10mm	23mm	365054
7.0mm	10mm	23mm	365056
8.0mm	10mm	23mm	365058

HIGH SPEED STEEL (HSS) PLASTIC DRILLS

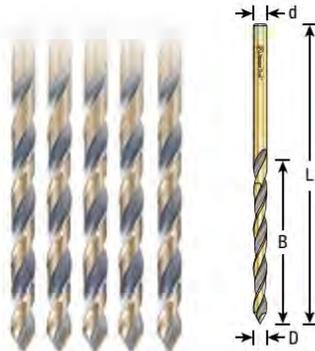
High Speed Steel (HSS) • 5 Pc. Packs

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

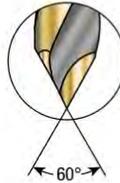


Excellent For Drilling:

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



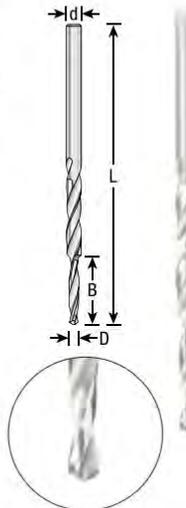
ØD & Ød	B	L	Per Pack	Tool No.
1/8	1-1/2	2-3/4	5	HSS1520
3/16	2-1/8	3-1/2	5	HSS1522
1/4	2-7/16	4	5	HSS1524



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

HSS • Slow Spiral

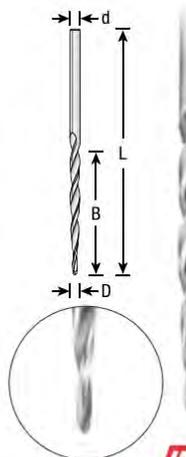
ØD	B	Ød	L	Tool No.
3/32	5/8	9/64	2-3/4	630-010
7/64	3/4	5/32	3	630-012
1/8	7/8	11/64	3-1/8	630-014
9/64	1	3/16	3-3/8	630-016



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

HSS • Taper Point

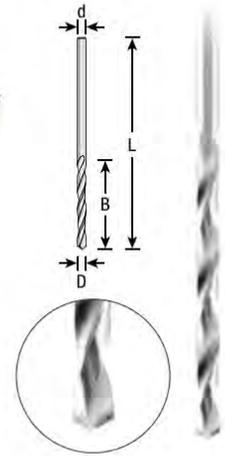
ØD & Ød	B	L	Tool No.
5/64	15/16	2-1/8	630-260
3/32	1-1/8	2-1/4	630-262
7/64	1-3/8	2-11/16	630-264
1/8	1-1/2	2-3/4	630-266
9/64	1-1/16	2-15/16	630-268
5/32	1-3/4	3-1/8	630-270
11/64	1-15/16	3-1/4	630-272
3/16	2	3-9/16	630-274
7/32	2-1/4	3-13/16	630-276
1/4	2-7/16	4	630-278



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

HSS • Regular Flute

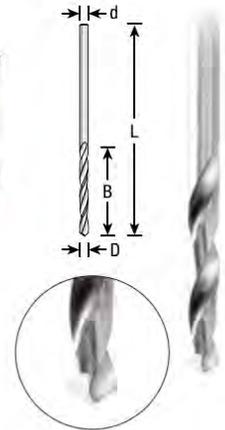
ØD & Ød	B	L	Tool No.
5/64	13/16	1-15/16	630-220
3/32	1	2-1/4	630-222



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

HSS • Regular Flute

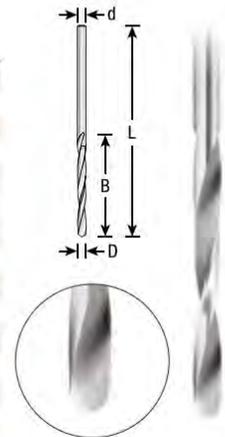
ØD & Ød	B	L	Tool No.
7/64	1/2	1-3/4	630-224
1/8	9/16	2	630-226
9/64	11/16	2-1/16	630-228
5/32	11/16	2-1/8	630-230
11/64	3/4	2-5/16	630-234
3/16	3/4	2-1/4	630-236



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



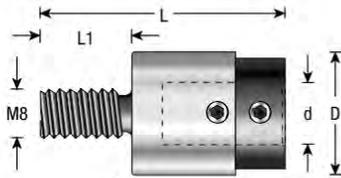


BORING MACHINE REPLACEMENT CHUCKS*

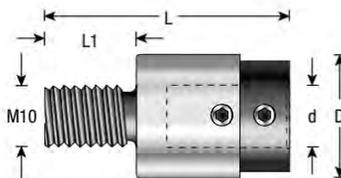
For 10mm Shank In-Line Boring Machines

Application: Replace worn or damaged chucks. In stock for immediate delivery. Meets or exceeds O.E.M. specifications.

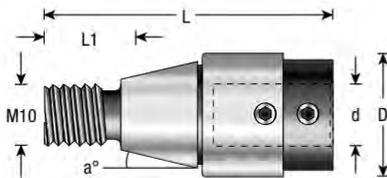
Due to many different styles, please order carefully.



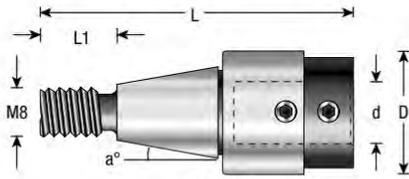
Style 310



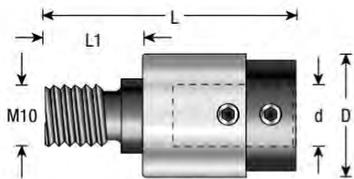
Style 302



Style 303



Style 304



Style 305

Chuck for Nottmeyer Machines

ØD	L1	M	Ød	L	Tool No.	
					LH	RH
19.5mm	15mm	8mm	10mm	40mm	310105	310010

Chuck for Torwegge • Ayen Machines

ØD	L1	M	Ød	L	Tool No.	
					LH	RH
19.5mm	15mm	10mm	10mm	40mm	302105	302010

Chuck for Busselatto • Ompec Machines

ØD	L1	a°	M	Ød	L	Tool No.	
						LH	RH
19.5mm	11mm	30°	10mm	10mm	46mm	303105	303010

Chuck for Bilek Machines

ØD	L1	a°	M	Ød	L	Tool No.	
						LH	RH
19.3mm	11mm	20.8°	8mm	10mm	48mm	304105	304010

Chuck for Holz-Her • S.C.M.I. • Morbidelli • Biese Reimall • Vitap • Weeke Machines

ØD	L1	M	Ød	L	Tool No.	
					LH	RH
19.5mm	16mm	10mm	10mm	41mm	305105	305010

BORING MACHINE REPLACEMENT CHUCKS (CONT'D)

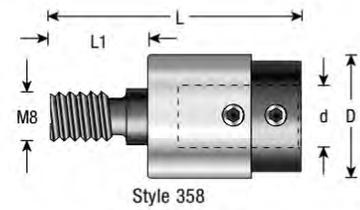
Chuck for • Morbidelli • Nottmeyer Machines

ØD	L1	M	Ød	L	Tool No. LH	Tool No. RH
19.3mm	15mm	8mm	10mm	41mm	—	358010

Chuck for Scheer Machines

ØD	M	Ød	L	Tool No. LH	Tool No. RH
19.5mm	10mm	10mm	42mm	359105	—

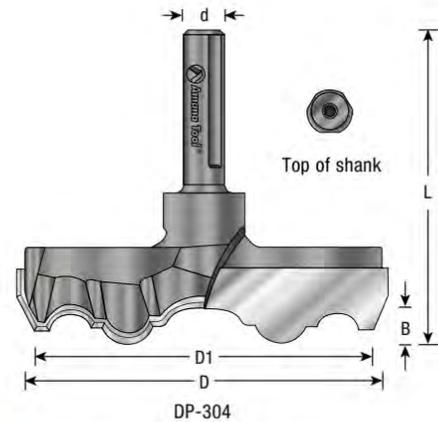
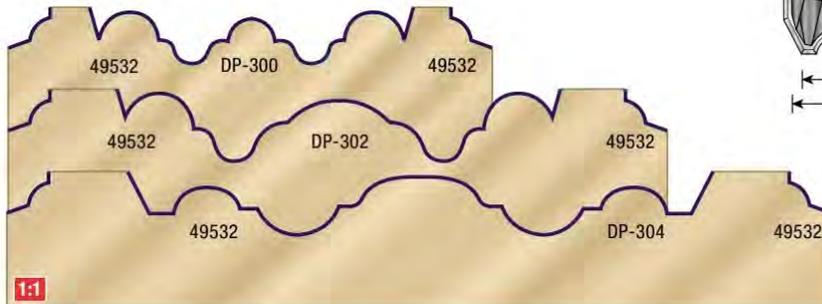
Note: Right hand tools rotate clockwise. Left hand tools rotate counter-clockwise.
1.5mm thread pitch.
Set screw #67097.



ROSETTE CUTTERS

Carbide Tipped • 2 Flute • 3/8" Shank • For Drill Press

ØD	ØD1	B	Ød	L	Max RPM	Tool No.
1-25/32	1-23/32	19/64	3/8	2-7/8	1,800	DP-300
2-1/2	2-27/64	25/64	3/8	2-7/8	1,800	DP-302
3-11/32	3-1/8	21/64	3/8	2-7/8	1,800	DP-304



OPTIONAL ROSETTE EDGE DETAIL ROUTER BIT

Carbide Tipped • 2 Flute

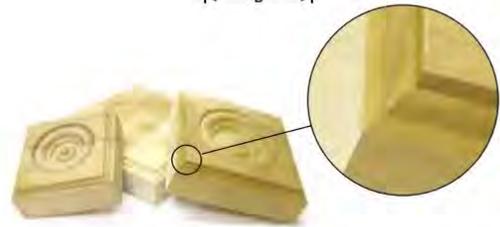
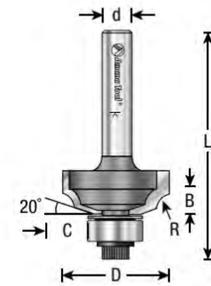
Create the edge detail to the rosette to achieve the finished look.

ØD	a°	R	B	Ød	L	Tool No.
15/16	20°	9/64	1/4	1/4	1-5/8	49532

Replacement bearing #47706.



Optional Edge
Made With Tool #49532





INDUSTRIAL Carbide Tipped
Countersinks
Counterbores and more!



82° COUNTERSINKS

*Carbide Tipped • For Wood Screws • 2-Wing
With Slow Spiral, HSS M2 DIN 338 Fully Ground Drill*

Used to countersink holes for the heads of screws. The 2-flute integral design ensures uniform and concentric results each and every time. Carbide tips provide chip-free hole edges and lasts much longer than steel countersinks.

Excellent For Drilling:

- Natural Woods
- Man-Made Boards
- MDF
- Chipboard
- Plywood
- Aluminum/Non-Ferrous
- Aluminum Composite Material (ACM)
- Composites
- Composite Decking Materials
- High Density Polyethylene (HDPE)

Wood Screw Size	ØD	ØD1	B	Ød	L1	L	Repl. Drill Bit	Tool No.
#4	11/32	3/32	1/2	5/16	1-5/8	2-1/4	630-002	55200
#4	3/8	5/64	1/2	5/16	1-5/8	2-9/16	630-001	55207
#4	3/8	7/64	1/2	5/16	1-5/8	2-3/8	630-098	55201
#6	5/16	1/8	1/2	5/16	1-5/8	2-9/16	630-102	55203
#6	3/8	1/8	1/2	5/16	1-5/8	2-9/16	630-102	55202
#6	1/2	1/8	1/2	5/16	1-5/8	2-9/16	630-102	55205
#6	25/64	9/64	1/2	5/16	1-5/8	2-3/4	630-802	55204
#8	25/64	5/32	1/2	5/16	1-5/8	2-7/8	630-202	55206
#8	7/16	11/64	1/2	5/16	1-5/8	3	630-302	55208
#10	7/16	3/16	1/2	3/8	1-3/4	3	630-402	55210
#10	1/2	3/16	1/2	3/8	1-3/4	3	630-402	55211
#12	15/32	7/32	1/2	3/8	1-3/4	3	630-502	55212

Replacement set screw #67083.

Warning: When drilling aluminum/non-ferrous, for optimal results and extended tool life, use lubricant or air cooling. Make sure the material is fixed and drill is stable during drilling.

AlTiN COATED BITS

82° COUNTERSINKS

*Carbide Tipped • For Wood Screws • 2-Wing
With Slow Spiral, HSS M2 DIN 338 Fully Ground Drill*

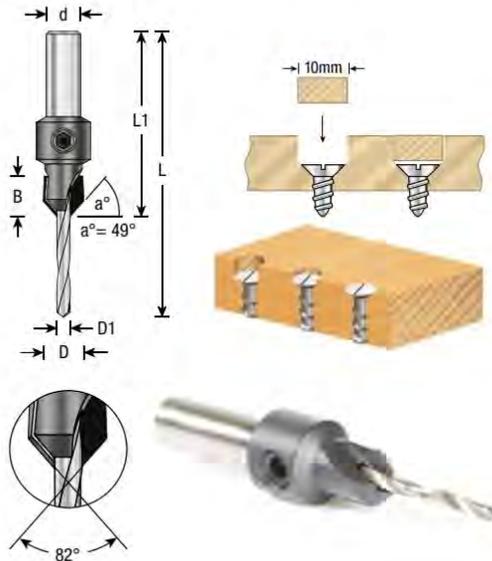
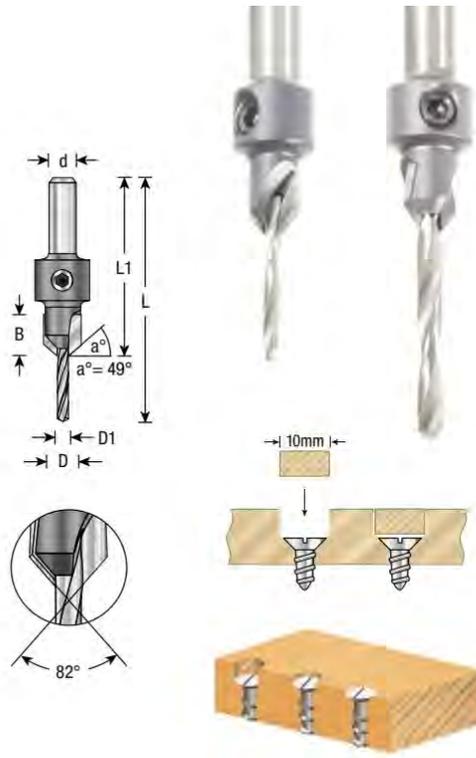
AlTiN coating provides chip-free edges and last longer than uncoated carbide tipped and much longer than steel countersinks.

Excellent For Drilling:

- Natural Woods
- Man-Made Boards
- MDF
- Chipboard
- Plywood
- Composites
- Composite Decking Materials
- High Density Polyethylene (HDPE)

Wood Screw Size	ØD	ØD1	B	Ød	L1	L	Repl. Drill Bit	Tool No.
#4	11/32	3/32	1/2	5/16	1-5/8	2-1/4	630-002	55200XL
#6	3/8	1/8	1/2	5/16	1-5/8	2-9/16	630-102	55202XL

Replacement set screw #67083.



New 3 PC COUNTERSINK SET

5/16" & 3/4" Round Shank • Solid Carbide Router Bit

Used to countersink holes for the heads of screws in woods, plastic and non-ferrous materials. The 2-flute integral design ensures uniform and concentric results each and every time. Carbide tips provide chip free hole edges and lasts much longer than steel countersinks.

Excellent For Drilling:

- Natural Woods
- Man-Made Boards
- MDF
- Chipboard
- Plywood
- Aluminum/Non-Ferrous
- Composites
- Aluminum Composite Material (ACM)
- Composite Decking Materials

Includes

55202, 55204, 55246

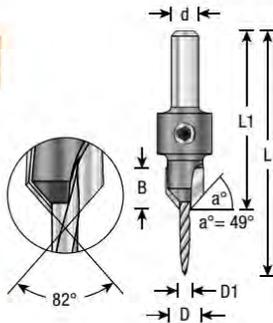
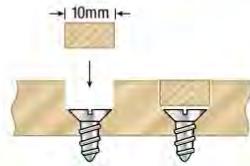
Set No.

AMS-629



More Countersink Sets

See page 292



82° COUNTERSINKS

Carbide Tipped • 2-Wing • With Slow Spiral, HSS M2 DIN 338 Fully Ground Tapered Drill

Used to countersink holes for the heads of screws. The 2-flute integral design ensures uniform and concentric results each and every time.

Excellent For Drilling:

- Natural Woods
- Man-Made Boards
- MDF
- Chipboard
- Plywood
- Aluminum/Non-Ferrous
- Aluminum Composite Material (ACM)
- Composites
- Composite Decking Materials
- High Density Polyethylene (HDPE)

Wood Screw Size	ØD	ØD1	B	Ød	L1	L	Repl. Drill Bit	Tool No.
#4	11/32	3/32	1/2	5/16	1-5/8	2-1/4	630-262	55600
#6	3/8	1/8	1/2	5/16	1-5/8	2-9/16	630-266	55602
#6	25/64	9/64	1/2	5/16	1-5/8	3	630-268	55604
#8	7/16	11/64	1/2	5/16	1-5/8	3-1/4	630-272	55608
#10	7/16	3/16	1/2	3/8	2	3-1/2	630-274	55610

Replacement set screw #67083.

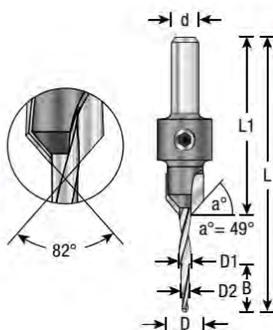
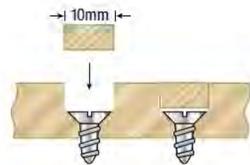
82° COUNTERSINKS

Carbide Tipped • 2-Wing With Slow Spiral, HSS M2 DIN 338 Fully Ground Stepped Drill

Used to countersink holes for the heads of screws. The 2-flute integral design ensures uniform and concentric results each and every time.

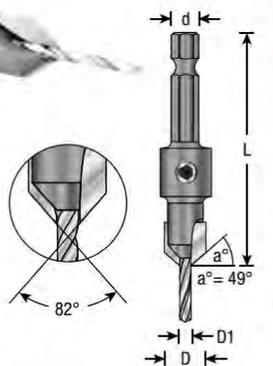
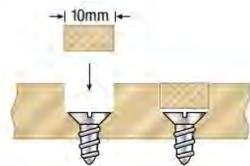
Excellent For Drilling:

- Natural Woods
- Man-Made Boards
- MDF
- Chipboard
- Plywood
- Aluminum/Non-Ferrous
- Aluminum Composite Material (ACM)
- Composites
- Composite Decking Materials
- High Density Polyethylene (HDPE)



Soft Wood Screw Size	Hard Wood Screw Size	ØD	ØD1	ØD2	B	Ød	L1	L	Repl. Drill Bit	Tool No.
#6	#5	25/64	9/64	3/32	5/8	5/16	1-3/4	2-3/4	630-010	55120
#8	#6	25/64	5/32	7/64	3/4	5/16	1-3/4	3	630-012	55122
#9-10	#8	7/16	11/64	1/8	7/8	5/16	1-3/4	3-1/8	630-014	55124

Replacement set screw #67083.



82° COUNTERSINKS

Quick Release 1/4" Hex Shank • Carbide Tipped • 2-Wing With Slow Spiral, HSS M2 DIN 338 Fully Ground Drill

Drill pilot hole and tapered countersink for wood screws. The 2-flute integral design ensures uniform and concentric results each and every time.

Excellent For Drilling:

- Natural Woods
- Man-Made Boards
- MDF
- Chipboard
- Plywood
- Aluminum/Non-Ferrous
- Aluminum Composite Material (ACM)
- Composites
- Composite Decking Materials
- High Density Polyethylene (HDPE)

Wood Screw Size	ØD	ØD1	a°	Ød	L	Optional Depth-Stop	Repl. Drill Bit	Tool No.
#4	3/8	5/64	49°	1/4	2-1/8	608-120	630-001	55260
#6	3/8	3/32	49°	1/4	2-1/8	608-120	630-002	55262
#8	3/8	7/64	49°	1/4	2-1/8	608-120	630-098	55264
#10	3/8	1/8	49°	1/4	2-1/8	608-120	630-102	55266
#12	1/2	9/64	49°	1/4	2-1/8	608-122	630-802	55268
#12 to #14	3/8	5/32	49°	1/4	2-1/8	608-120	630-202	55269

Replacement parts: Set screw #67083; Hex key #5009.



Optional Depth-Stop #608-120



CNC Countersinks for Composites
See page 45

82° COUNTERSINKS

**Quick Release 1/4" Hex Shank • Carbide Tipped • 2-Wing
With Taper Point HSS M2 DIN 338 Fully Ground Drill**

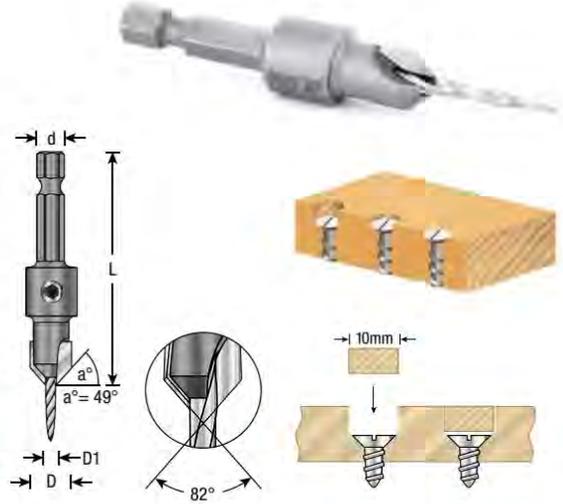
Drill pilot hole and tapered countersink for wood screws. The 2-flute integral design ensures uniform and concentric results each and every time.

Excellent For Drilling:

- Natural Woods
- Man-Made Boards
- MDF
- Chipboard
- Plywood
- Aluminum/Non-Ferrous
- Aluminum Composite Material (ACM)
- Composites
- Composite Decking Materials
- High Density Polyethylene (HDPE)

Wood Screw Size	ØD	ØD1	a°	Ød	L	Repl. Drill Bit	Tool No.
#4	3/8	5/64	49°	1/4	2-1/8	630-260	55620
#6	3/8	3/32	49°	1/4	2-1/8	630-262	55622
#8	3/8	7/64	49°	1/4	2-1/8	630-264	55624
#10	3/8	1/8	49°	1/4	2-1/8	630-266	55626
#12	1/2	9/64	49°	1/4	2-1/8	630-268	55628

Replacement parts: Set screw #67083; Hex key #5009.



82° COUNTERSINKS FOR FESTOOL® CENTROTEC® **New**

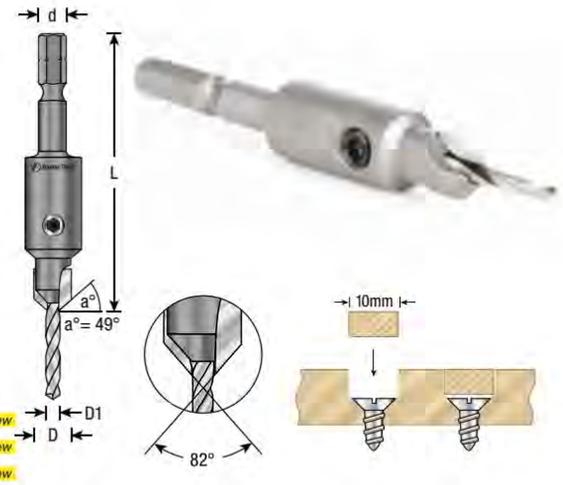
**Carbide Tipped • 2-Wing
With Slow Spiral, HSS M2 DIN 338 Fully Ground Drill**

Drill pilot hole and tapered countersink for wood screws. The 2-flute integral design ensures uniform and concentric results each and every time.

Excellent For Drilling:

- Natural Woods
- Man-Made Boards
- MDF
- Chipboard
- Plywood
- Aluminum/Non-Ferrous
- Aluminum Composite Material (ACM)
- Composites
- Composite Decking Materials
- High Density Polyethylene (HDPE)

Wood Screw Size	ØD	ØD1	a°	Ød	L	Optional Depth-Stop	Repl. Drill Bit	Tool No.
#6	3/8	3/32	49°	CENTROTEC® 2-29/32	608-120	630-002	55612 New	
#8	3/8	7/64	49°	CENTROTEC® 2-29/32	608-120	630-098	55613 New	
#10	3/8	1/8	49°	CENTROTEC® 2-29/32	608-120	630-102	55614 New	



82° COUNTERSINKS FOR FESTOOL® CENTROTEC® **New**

**Carbide Tipped • 2-Wing
With Taper Point HSS M2 DIN 338 Fully Ground Drill**

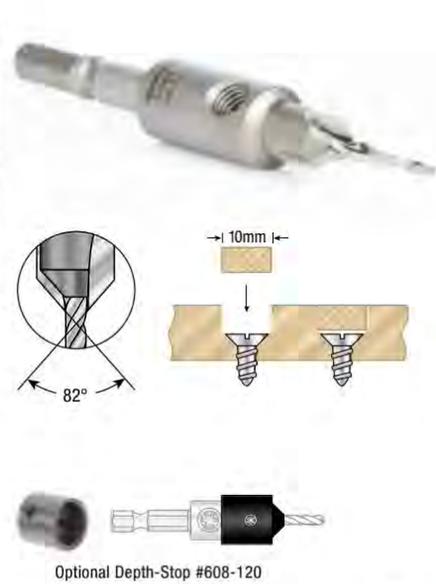
Drill pilot hole and tapered countersink for wood screws. The 2-flute integral design ensures uniform and concentric results each and every time.

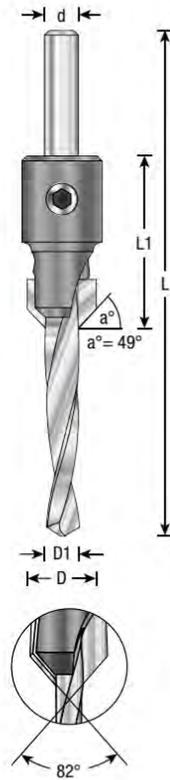
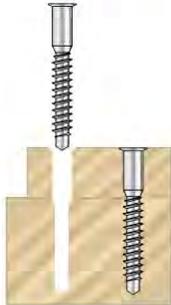
Excellent For Drilling:

- Natural Woods
- Man-Made Boards
- MDF
- Chipboard
- Plywood
- Aluminum/Non-Ferrous
- Aluminum Composite Material (ACM)
- Composites
- Composite Decking Materials
- High Density Polyethylene (HDPE)

Wood Screw Size	ØD	ØD1	a°	Ød	L	Optional Depth-Stop	Repl. Drill Bit	Tool No.
#8	3/8	7/64	49°	CENTROTEC® 2-29/32	608-120	630-264	55644 New	
#10	3/8	1/8	49°	CENTROTEC® 2-29/32	608-120	630-266	55646 New	

Warning: When drilling aluminum/non-ferrous, for optimal results and extended tool life, use lubricant or air cooling. Make sure the material is fixed and drill is stable during drilling.





82° SHANKLESS COUNTERSINKS

*Carbide Tipped • 2-Wing
With Slow Spiral, HSS M2 DIN 338 Fully Ground Drill*

Used to countersink holes for the heads of screws. The 2-flute integral design ensures uniform and concentric results each and every time.

Excellent For Drilling:

- Natural Woods
- Man-Made Boards
- MDF
- Chipboard
- Plywood
- Aluminum/Non-Ferrous
- Aluminum Composite Material (ACM)
- Composites
- Composite Decking Materials
- High Density Polyethylene (HDPE)

Wood Screw Size	ØD	ØD1	Ød	L1	L	Repl. Drill Bit	Tool No.
#20	5/8	5/16	5/16	1-1/2	4-5/8	630-704	55130
#24	3/4	3/8	3/8	1-1/2	4-15/16	630-706	55134
#24	1	3/8	3/8	2	4-15/16	630-706	55136



SHANKLESS COUNTERBORES

*Carbide Tipped • 2-Wing
With Slow Spiral, HSS M2 DIN 338 Fully Ground Drill*

Used to countersink holes for the heads of screws. The 2-flute integral design ensures uniform and concentric results each and every time.

Excellent For Drilling:

- Natural Woods
- Man-Made Boards
- MDF
- Chipboard
- Plywood
- Aluminum/Non-Ferrous
- Aluminum Composite Material (ACM)
- Composites
- Composite Decking Materials
- High Density Polyethylene (HDPE)

Wood Screw Size	ØD	ØD1	Ød	L1	L	Repl. Drill Bit	Tool No.
#20	5/8	5/16	5/16	1-1/2	4-5/8	630-704	55140
#20	3/4	5/16	5/16	1-1/2	4-5/8	630-704	55141
#24	3/4	3/8	3/8	1-1/2	4-15/16	630-706	55142
#24	1	3/8	3/8	2	4-15/16	630-706	55143
—	1-1/8	1/2	1/2	2	5-15/16	630-708	55145



▲ Warning: When drilling aluminum/non-ferrous, for optimal results and extended tool life, use lubricant or air cooling. Make sure the material is fixed and drill is stable during drilling.

COUNTERBORES

*Quick Release 1/4" Hex Shank • Carbide Tipped • 2-Wing
With Slow Spiral, HSS M2 DIN 338 Fully Ground Drill*

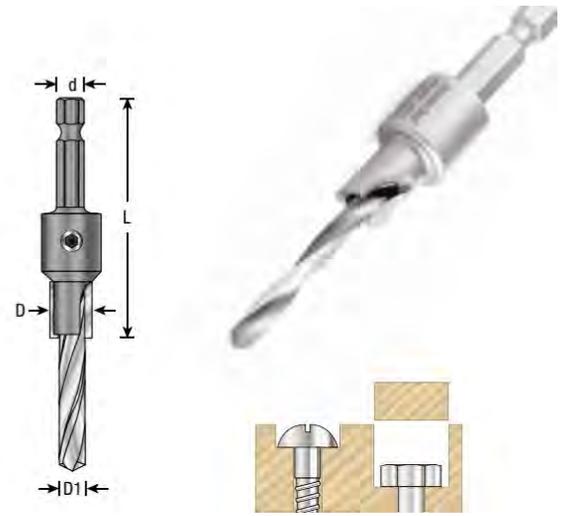
Flat bottom counterbores for using round head screws, hex bolts, etc.
Includes pilot drill.

Excellent For Drilling:

- Natural Woods
- Man-Made Boards
- MDF
- Chipboard
- Plywood
- Aluminum/Non-Ferrous
- Aluminum Composite Material (ACM)
- Composites
- Composite Decking Materials
- High Density Polyethylene (HDPE)

ØD	ØD1	Ød	L	Repl. Drill Bit	Tool No.
3/8	3/16	1/4	2-3/16	630-402	55282
1/2	1/4	1/4	2-3/4	630-702	55286
5/8	1/4	1/4	2-3/4	630-702	55288

Replacement parts: Set screw #67083; Hex key #5009.



ADJUSTABLE DEPTH-STOP NO-MAR ADAPTER WITH NO THRUST BEARING

*For Amana Tool® 5/16" Dia. Round Shank Carbide Tipped
Countersinks & Counterbores*

No Burning, No Marring & No Friction

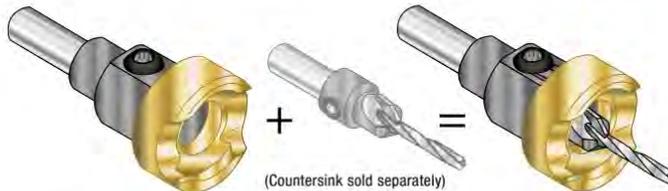
Adjustable, no friction, heavy-duty revolving metal depth stopper produces a clean surface and provides simple, adjustable depth-stop developed for quick and easy adjustment of the countersink and drill depth. The user friendly design enables control of both without the need to disassemble the depth-stop.

The minimum countersink depth while using the adapter will be 1/16" and the maximum 3/8".

Fits the following Amana Tool® carbide tipped countersinks and counterbores with a 5/16" diameter round shank:

- 55200
- 55200XL
- 55201
- 55202
- 55202XL
- 55203
- 55204
- 55205
- 55206
- 55206XL
- 55207
- 55208
- 55600
- 55602
- 55604
- 55608
- 55609

ØD	Ød	L (Adjustable)	Tool No.
1-1/4	3/8	2-1/2 - 2-25/32	55246



No-Thrust Ball Bearing
eliminates the scratching or burning of the surface.



Double-sided hex key included.

3 PC COUNTERSINK SET

5/16 & 3/4" Round Shank • Carbide Tipped Router Bit Pack

Used to countersink holes for the heads of screws in woods, plastic and non-ferrous materials. The 2-flute integral design ensures uniform and concentric results each and every time. Carbide tips provide chip free hole edges and lasts much longer than steel countersinks.

Excellent For Drilling:

- Natural Woods
- Man-Made Boards
- MDF
- Chipboard
- Plywood
- Aluminum/Non-Ferrous
- Aluminum Composite Material (ACM)
- Composites
- Composite Decking Materials
- High Density Polyethylene (HDPE)

Includes	Set No.
55202, 55204, 55246	AMS-629

Warning: When drilling aluminum/non-ferrous, for optimal results and extended tool life, use lubricant or air cooling. Make sure the material is fixed and drill is stable during drilling.

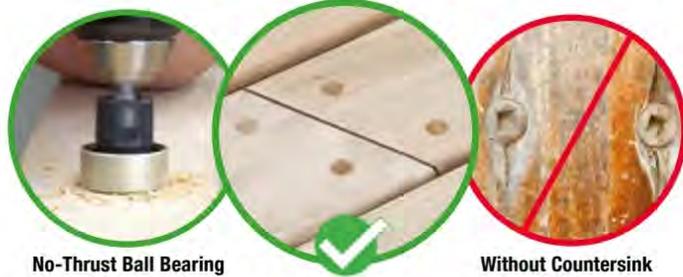




INDUSTRIAL

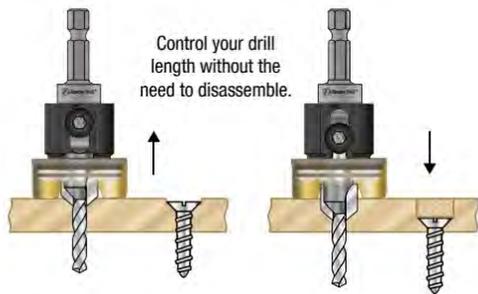
No-Mar Bits

No Burning, No Marring & No Friction



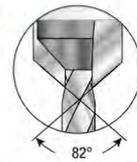
No-Thrust Ball Bearing
Eliminates the scratching or burning of the surface.

Without Countersink
Cracks will develop and the wood may split.



A must-have tool for every woodworker!
82° COUNTERSINK WITH ADJUSTABLE DEPTH-STOP & NO-THRUST BEARING

Quick Release 1/4" Hex Shank • Carbide Tipped 2-Wing With HSS M2 Fully Ground Drill



Features an adjustable, heavy-duty, revolving metal depth-stopper with a strong no-thrust ball bearing for quick and easy adjustment of the countersink depth without scratching or burning surfaces. The open space allows for chip evacuation.

User friendly design enables control of the drill length and its replacement, without the need to disassemble the depth-stop. Enables users to drill a pilot hole and tapered countersink in one step. Adjustable depth stop and independent stop collar prevent marking of the work-piece and perfect countersink depth control.

Excellent For Drilling:

- Natural Woods
- Man-Made Boards
- MDF
- Chipboard
- Plywood
- Aluminum/Non-Ferrous
- Aluminum Composite Material (ACM)
- Composites
- Composite Decking Materials
- High Density Polyethylene (HDPE)



Wood Screw Size	ØD	ØD1	B	a°	Ød	L	Drill DIN	Repl. Drill Bit	Repl. Countersink	Tool No.
#4	3/8	5/64	3/64-3/8	49°	1/4	2-5/8	1897	630-220	55270	55226
#4	3/8	3/32	3/64-3/8	49°	1/4	2-5/8	338	630-222	55271	55225
#6	3/8	7/64	3/64-3/8	49°	1/4	2-5/8	338	630-224	55272	55241
#6	3/8	1/8	3/64-3/8	49°	1/4	2-5/8	1897	630-226	55272	55227
#6	3/8	9/64	3/64-3/8	49°	1/4	2-5/8	1897	630-228	55273	55228
#8	3/8	5/32	3/64-3/8	49°	1/4	2-5/8	1897	630-230	55274	55229
#8	1/2	11/64	3/64-3/8	49°	1/4	2-3/4	1897	630-234	55275	55240
#10	1/2	3/16	3/64-3/8	49°	1/4	2-3/4	1897	630-236	55276	55242
#14	1/2	1/4	3/64-3/8	49°	10mm	2-9/16	338	630-702	57274	55244* New

Replacement NF1/4 x 1/4 set screw #67070 for tightening depth stop.
Replacement NF1/4-28 x 3/16 set screw #67083 for drill tightening.
Replacement 1/8 x 5/32 double-sided hex key #5019 (included).
* 10mm round shank



A must-have tool for every woodworker!
82° COUNTERSINK WITH ADJUSTABLE DEPTH-STOP WITH NO-THRUST BEARING

Round Shank • Carbide Tipped 2-Wing With HSS M2 Fully Ground Drill



No Burning, No Marring & No Friction

Features an adjustable, heavy-duty, revolving depth-stop with a strong no-thrust ball bearing for quick and easy adjustment of the countersink depth without scratching or burning surfaces.

Wood Screw Size	ØD	ØD1	B	a°	Ød	L	Drill DIN	Repl. Drill Bit	Tool No.
#6	3/8	1/8	3/64-3/8	49°	5/16	2-9/16	1897	630-266	55193 New

Use with Plug Cutter (Optional) #55220.

Warning: When drilling aluminum/non-ferrous, for optimal results and extended tool life, use lubricant or air cooling. Make sure the material is fixed and drill is stable during drilling.

A must-have tool for every woodworker!

82° COUNTERSINK WITH ADJUSTABLE DEPTH-STOP & NO-THRUST BEARING AND TAPERED DRILL

Quick Release 1/4" Hex Shank • Carbide Tipped 2-Wing With Tapered HSS M2 Fully Ground Drill

No Burning, No Marring & No Friction

Features an adjustable, heavy-duty, revolving metal depth-stopper with a strong no-thrust ball bearing for quick and easy adjustment of the countersink depth without scratching or burning surfaces. The open space allows for chip evacuation.

User friendly design enables control of the drill length and its replacement, without the need to disassemble the depth-stop.

See previous page for material cut list.



Wood Screw Size	ØD	ØD1	B	a°	Ød	L	Drill DIN	Repl. Drill Bit	Tool No.
#4	3/8	5/64	3/64-3/8	49°	1/4	2-5/8	338	630-260	55156
#4	3/8	3/32	3/64-3/8	49°	1/4	2-5/8	338	630-262	55150
#6	3/8	1/8	3/64-3/8	49°	1/4	2-5/8	1897	630-266	55151
#6	3/8	9/64	3/64-3/8	49°	1/4	2-5/8	1897	630-268	55152
#8	3/8	5/32	3/64-3/8	49°	1/4	2-5/8	1897	630-270	55153
#8	1/2	11/64	3/64-3/8	49°	1/4	2-3/4	1897	630-272	55154
#10	1/2	3/16	3/64-3/8	49°	1/4	2-3/4	1897	630-274	55155

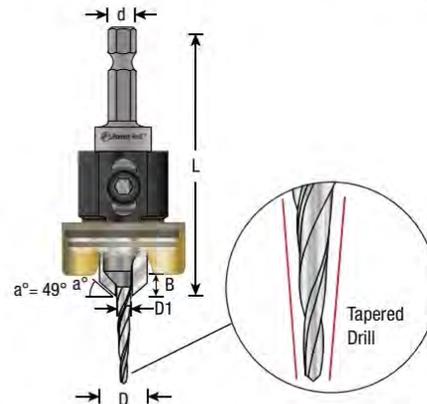
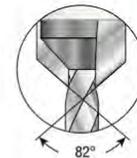
Replacement NF1/4 x 1/4 set screw #67070 for tightening depth stop.

Replacement NF1/4-28 x 3/16 set screw #67083 for drill tightening.

Replacement 1/8 x 5/32 double-sided hex key #5019 (included).



No-Thrust Ball Bearing
Eliminates the scratching or burning of the surface.



A must-have tool for every woodworker!

COUNTERBORE WITH ADJUSTABLE DEPTH STOP AND NO-THRUST BEARING **New**

Round Shank or Quick Release 1/4" Hex Shank • Carbide Tipped 2-Wing With HSS M2 Fully Ground Drill

No Burning, No Marring & No Friction

Features an adjustable, heavy-duty, revolving depth-stop with a strong no-thrust ball bearing for quick and easy adjustment of the counterbore depth without scratching or burning surfaces. It also has an open space to allow for chip evacuation.

The user friendly design enables control of the drill length and its replacement, without the need to disassemble the depth-stop.

Enables users to drill a pilot hole and tapered counterbore in one step.

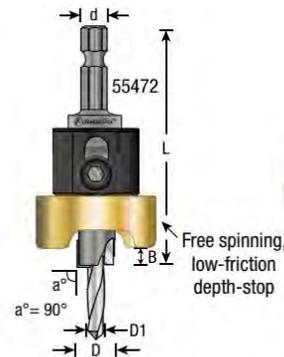
The adjustable depth-stop and independent stop collar prevent marking of the workpiece and perfect counterbore depth control.

See previous page for material cut list.

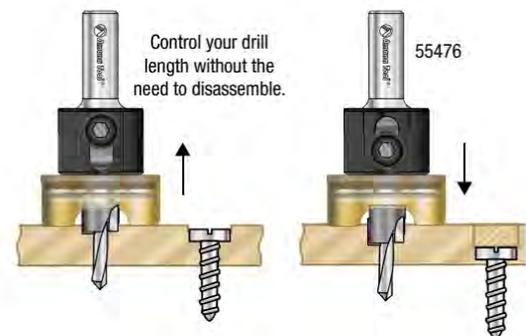
Wood Screw Size	ØD	ØD1	B	a°	Ød	Shank	L	Repl. Drill Bit	Tool No.
#8	3/8	5/32	5/64-13/32	90°	1/4	Hex	2-5/8	630-230	55472
#10	3/8	3/16	5/64-13/32	90°	3/8	Round	2-9/16	630-402	55476

Drill Din is 1897

Use with Plug Cutter (Optional) #55220.



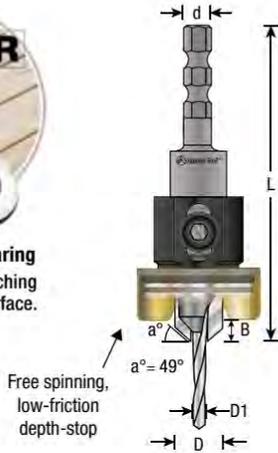
No-Thrust Ball Bearing
Eliminates the scratching or burning of the surface.



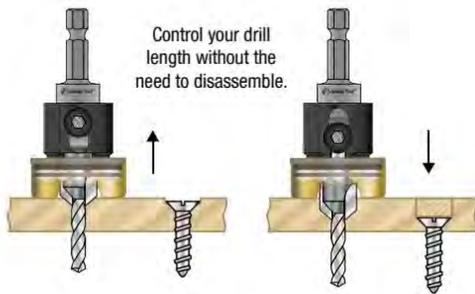
Warning: When drilling aluminum/non-ferrous, for optimal results and extended tool life, use lubricant or air cooling. Make sure the material is fixed and drill is stable during drilling.



No-Thrust Ball Bearing
Eliminates the scratching or burning of the surface.



Free spinning, low-friction depth-stop



Control your drill length without the need to disassemble.

A must-have tool for every woodworker!
82° COUNTERSINK WITH ADJUSTABLE DEPTH-STOP & NO-THRUST BEARING FOR FESTOOL® CENTROTEC®

Hybrid Quick Release 1/4" Hex Shank
For Festool® CENTROTEC®
Carbide Tipped 2-Wing With HSS M2 Fully Ground Drill

No Burning, No Marring & No Friction

Designed with a unique shank with hex part and round part.

For Festool® CENTROTEC® drill machines and standard quick-change chucks for 1/4" (6.3mm) hex shank.

Features an adjustable, heavy-duty, revolving depth-stop with a strong no-thrust ball bearing for quick and easy adjustment of the countersink depth without scratching or burning surfaces.

Excellent For Drilling:

- Natural Woods
- Man-Made Boards
- MDF
- Chipboard
- Plywood
- Aluminum/Non-Ferrous
- Aluminum Composite Material (ACM)
- Composites
- Composite Decking Materials
- High Density Polyethylene (HDPE)



Double-sided hex key included.

Wood Screw Size	ØD	ØD1	B	a°	Ød	L	Drill DIN	Repl. Drill Bit	Tool No.
#4	3/8	3/32	3/64-3/8	49°	1/4	2-5/8	338	630-222	55331
#6	3/8	1/8	3/64-3/8	49°	1/4	2-5/8	1897	630-226	55334
#8	3/8	5/32	3/64-3/8	49°	1/4	2-5/8	1897	630-230	55336
#10	1/2	3/16	3/64-3/8	49°	1/4	2-3/4	1897	630-236	55338

Replacement NF1/4 x 1/4 set screw #67070 for tightening depth stop.
Replacement NF1/4-28 x 3/16 set screw #67083 for drill tightening.
Replacement 1/8 x 5/32 double-sided hex key #5019 (included).

A must-have tool for every woodworker!
82° COUNTERSINK WITH ADJUSTABLE LOW FRICTION DEPTH-STOP FOR FESTOOL® CENTROTEC® New

Shank For Festool® CENTROTEC®
Carbide Tipped 2-Wing With HSS M2 Fully Ground Drill

Low Friction Polymer Collar

No surface scratches or burn marks!

Designed with a unique shank for Festool® CENTROTEC® Chucks.

Fits both Festool® CENTROTEC® drill machines or with any three-jaw keyless chuck system.

These tools combine carbide countersink, high-speed steel drill bit and free-spinning, low friction depth-stop. The countersink leaves a clean hole edge and the adjustable depth-stop doesn't mar the surface. The large openings around the collar allow the chips to clear effectively and eliminate clogging. See above table for material cut list.

Wood Screw Size	ØD	ØD1	B	a°	Ød	L	Drill DIN	Repl. Drill Bit	Tool No.
#4	3/8	7/64	5/64-11/32	49°	CENTROTEC®	2-7/8	1897	630-224	55180
#6	3/8	1/8	5/64-11/32	49°	CENTROTEC®	2-7/8	1897	630-226	55182
#6	3/8	9/64	5/64-11/32	49°	CENTROTEC®	2-7/8	1897	630-228	55184
#8	3/8	5/32	5/64-11/32	49°	CENTROTEC®	2-7/8	1897	630-230	55186

▲ Warning: When drilling aluminum/non-ferrous, for optimal results and extended tool life, use lubricant or air cooling. Make sure the material is fixed and drill is stable during drilling.

A must-have tool for every woodworker!
82° COUNTERSINK WITH ADJUSTABLE DEPTH-STOP & NO-THRUST BEARING FOR FESTOOL® CENTROTEC® *New*

Shank For Festool® CENTROTEC® Carbide Tipped 2-Wing With HSS M2 Fully Ground Drill
No Burning, No Marring & No Friction

Designed with a unique shank for Festool® CENTROTEC® Chucks.

Fits Festool® CENTROTEC® drill machines or with any three-jaw keyless chuck system.

Features an adjustable, heavy-duty, revolving depth-stop with a strong no-thrust ball bearing for quick and easy adjustment of the countersink depth without scratching or burning surfaces. See previous page for material cut list.

Wood Screw							Drill	Repl.		
Size	ØD	ØD1	B	a°	Ød	L	DIN	Drill Bit	Tool No.	
#4	3/8	3/32	3/64-3/8	49°	CENTROTEC®	2-7/8	338	630-222	55160	
#6	3/8	7/64	3/64-3/8	49°	CENTROTEC®	2-7/8	1897	630-224	55162	
#6	3/8	1/8	3/64-3/8	49°	CENTROTEC®	2-7/8	1897	630-226	55164	
#6	3/8	9/64	3/64-3/8	49°	CENTROTEC®	2-7/8	1897	630-228	55166	
#8	3/8	5/32	3/64-3/8	49°	CENTROTEC®	2-7/8	1897	630-230	55168	



No-Thrust Ball Bearing
 Eliminates the scratching or burning of the surface.

Free spinning, low-friction depth-stop



Double-sided hex key included.

A must-have tool for every woodworker!
82° COUNTERSINK WITH ADJUSTABLE LOW FRICTION DEPTH-STOP

Quick Release 1/4" Hex Shank • 2-Wing • Carbide Tip With HSS M2 Slow Spiral Fully Ground Drill DIN 1897

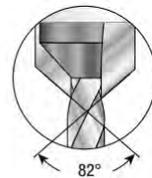
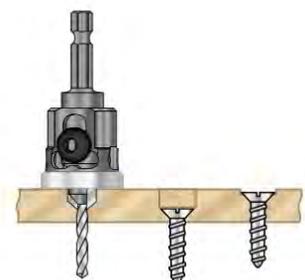
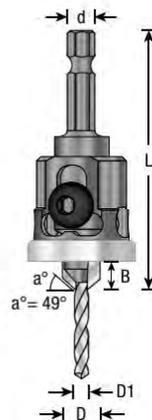
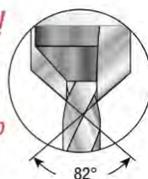
Low Friction Polymer Collar

No surface scratches or burn marks!

These tools combine carbide countersink, high-speed steel drill bit and free-spinning, low friction depth-stop. The countersink leaves a clean hole edge and the adjustable depth-stop doesn't mar the surface. The large openings around the collar allow the chips to clear effectively and eliminate clogging.

See previous page for material cut list.

Wood Screw							Repl.		
Size	ØD	ØD1	B	a°	Ød	L	DIN	Drill Bit	Tool No.
#4	3/8	7/64	9mm	49°	1/4	2-3/8	630-224	55293	
#6	3/8	1/8	9mm	49°	1/4	2-3/8	630-226	55294	
#6	1/2	9/64	9mm	49°	1/4	2-3/8	630-228	55295	
#8	3/8	5/32	9mm	49°	1/4	2-3/8	630-230	55296	



Replacement NF1/4 x 1/4 set screw #67070 for tightening depth stop.
 Replacement NF1/4-28 x 3/16 set screw #67083 for drill tightening.
 Replacement 1/8 x 5/32 double-sided hex key #5019 (included).

Double-sided hex key included.



Use Low-Friction Adjustable Depth-Stop Countersink to prevent wood from splitting.



Warning: When drilling aluminum/non-ferrous, for optimal results and extended tool life, use lubricant or air cooling. Make sure the material is fixed and drill is stable during drilling.



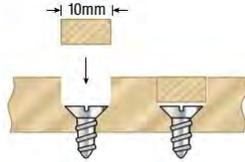
COUNTERSINK & PLUG SET

Carbide Tipped • 10mm Diameter Countersink & Plug

- Drilling & Countersinking with a single tool.
- Concealing of screwheads with plugs which perfectly fit with countersink.
- Designed for portable drills and drill presses.

Description	Drill Dia.	Tool No.
2 Pc. Countersink & Plug Cutter	1/8	PS-100
2 Pc. Countersink & Plug Cutter	9/64	PS-200
2 Pc. Countersink & Plug Cutter	11/64	PS-400
All 4 Countersinks & Drills & 1 Plug Cutter	1/8, 9/64, 5/32 & 11/64	PS-500
Plug Cutter only (10mm dia.)	—	PLC-100

Note: All countersinks are carbide-tipped. The plug cutter and drill bits are high-speed steel. Countersinks have 8mm shank diameter.



PS-500



AMS-628

New COUNTERSINK SETS

1/4 Hex Shank • Solid Carbide Router Bit

Used to countersink holes for the heads of screws in woods, plastic and non-ferrous materials. The 2-flute integral design ensures uniform and concentric results each and every time. Carbide tips provide chip free hole edges and lasts much longer than steel countersinks.

Available in a wide variety of sizes, complete with the HSS M2 fully ground drill bit.

Excellent For Drilling:

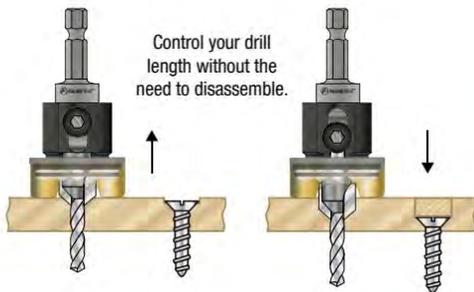
- Natural Woods
- Man-Made Boards
- MDF
- Chipboard
- Plywood
- Aluminum/Non-Ferrous
- Aluminum Composite Material (ACM)
- Composites
- Composite Decking Materials

3-Pc Countersink with Adjustable Depth Stop and No-Thrust, No-Mar Ball Bearing Set with Quick Release Shank

Includes	Set No.
55227, 55271, 55274	AMS-627 <i>New</i>

6-Pc Countersink with Adjustable Depth Stop and No-Thrust, No-Mar Ball Bearing Set with Quick Release Shank and Replacement HSS Drills

Includes	Set No.
55227, 55271, 55274, 630-262, 630-266, 630-270	AMS-628 <i>New</i>



Control your drill length without the need to disassemble.

Warning: When drilling aluminum/non-ferrous, for optimal results and extended tool life, use lubricant or air cooling. Make sure the material is fixed and drill is stable during drilling.

10-PC. COUNTERSINK MASTER SET

Complete Countersink Set

Used to countersink holes for the heads of screws in woods, plastic and non-ferrous materials. The 2-flute integral design ensures uniform and concentric results each and every time. Carbide tips provide chip free hole edges and lasts much longer than steel countersinks. Available in a wide variety of sizes, complete with the HSS M2 fully ground drill bit.

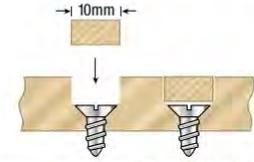
- Drilling & Countersinking with a single tool
- Concealing of screwheads with plugs which perfectly fit with countersink
- Designed for portable drills and drill press

Excellent For Drilling:

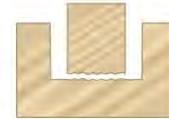
- Aluminum/Non-Ferrous
- Aluminum Composite Material (ACM)
- Chipboard
- Composites
- Composite Decking Materials
- Man-Made Boards
- MDF
- Natural Woods
- Plywood

Dia.	Cut Height	Shank	Length	Type	Includes
3/8	1/2	5/16	2-9/16	Countersink	55202
25/64	1/2	5/16	2-3/4	Countersink	55204
25/64	1/2	5/16	2-7/8	Countersink	55206
3/8	—	1/4	2-1/8	Quick Release Countersink	55264
3/8	—	1/4	2-1/8	Quick Release Countersink	55266
3/8	—	1/4	2-1/8	Quick Release Countersink	55624
3/8	—	1/4	2-1/8	Quick Release Countersink	55626
3/8	3/64-3/8	1/4	2-5/8	No-Mar Countersink	55227
3/8	5/64-11/32	1/4	2-3/8	Low Friction Countersink	55293
3/8	—	3/8	2	Wood Plug Cutter	607-110
Complete 10-Pc Set					AMS-620

▲ Warning: When drilling aluminum/non-ferrous, for optimal results and extended tool life, use lubricant or air cooling. Make sure the material is fixed and drill is stable during drilling.



55202, 55204, 55206, 55264, 55266,
55624, 55626, 55227 & 55293



607-110



No-Thrust Ball Bearing
Eliminates the scratching
or burning of the surface.



Set #AMS-620



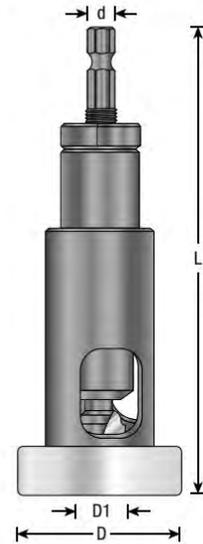
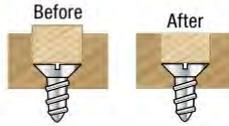
Photo credit Randy O'Rourke. Wood Flooring by Charles Peterson, published by The Taunton Press in 2010



PLUG PLANER FOR HAND DRILLS AND DRILL PRESSES

*Carbide Tipped • Non-Marring
Quick Release Hex Shank*

This plug planer is designed for a hand drill with a hex shank for quick changes. Its adjustable depth of cut ensures easy and accurate plug trimming while its replaceable plastic ring base prevents damage to the wood surface. The unique spring loaded plunging operation enables an efficient, secure and quick plug trimming.



$\varnothing D$	$\varnothing D1$	$\varnothing d$	L	Tool No.
2	15mm	1/4	4-3/4	PLP-100



REPLACEMENT PLUG CUTTER FOR PLP-100 *New*

Carbide Tipped

Drilling Countersinking with a single tool. Concealing of screwheads with plugs which perfectly fit with countersink. Designed for portable drills and drill presses.



Shown with 25-cent coin for scale.

$\varnothing D$	$\varnothing d$	L	Tool No.
33/64	6mm	1-3/32	RPC-100



Improved Spiral Action for Better Chip Ejection

COUNTERBORES†

Fits Evans, Ritter, Unique, Marcon, Norfield® and Castle® Face Frame Machines

Carbide Tipped

Features include precision ground carbide-tipped counterbore for splinter-free cutting, non-slip surface treatment for positive clamping, wide web design for superior strength and replaceable HSS fishtail drills.

Description	ØD	ØD1	Ød	L	Tool No.
Counterbore	3/8	.136	9mm	4	424000

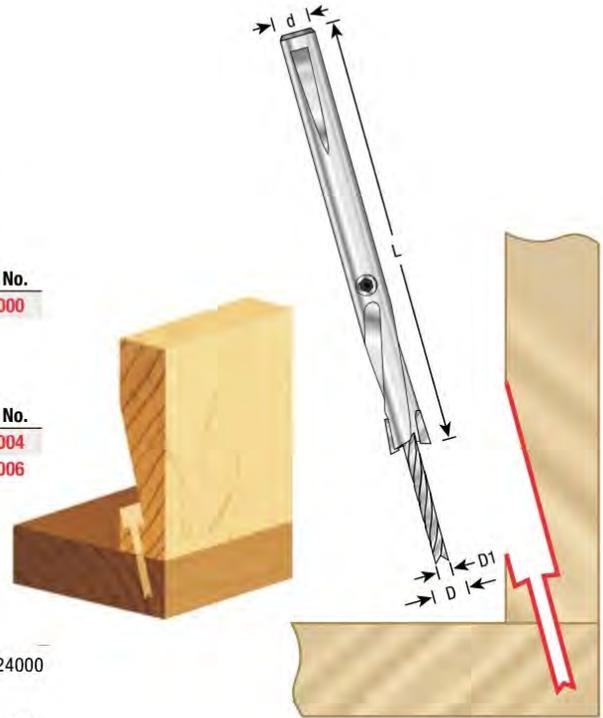
Replacement #8-32 NC set screw, #67010.

#29 Replacement HSS Fish Tail Drills

Description	ØD1	Ød	L	Tool No.
Standard	.136	—	2-7/8	424004
DHN Surface Treated for Longer Tool Life	.136	—	2-7/8	424006



† Application: Not to be used in portable drills or handheld routers.

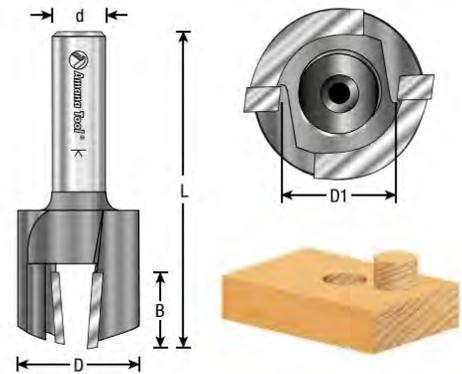


PLUG CUTTER FOR DRILL PRESS

Carbide Tipped • 2 Flute

Must clamp work-piece firmly to drill press table.

ØD	ØD1	B	Ød	L	Tool No.
5/8	.335	1/2	1/2	2-1/2	55217
5/8	3/8	1/2	1/2	2-1/2	55220
25/32	1/2	1/2	1/2	2-1/2	55222
29/32	5/8	1/2	1/2	2-1/2	55224
1-1/32	3/4	1/2	1/2	2-1/2	55223

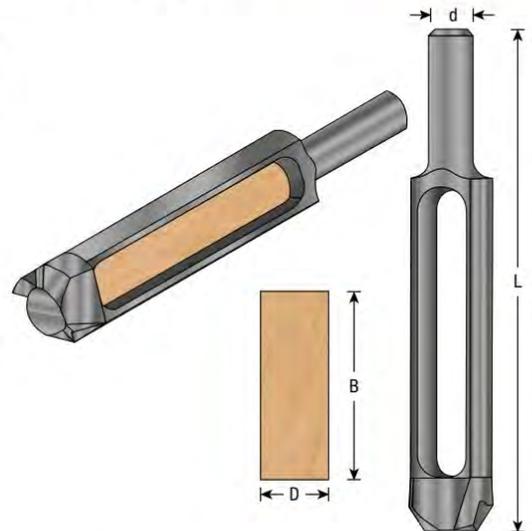


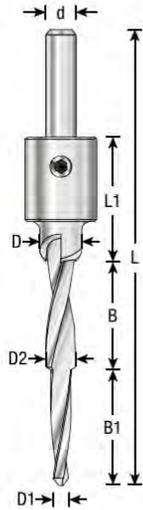
PLUG CUTTER FOR LONG PLUGS **New**

Carbide Tipped

2" long plugs are needed for Kreg® System and other brands of Face Frame solutions.

ØD	B	Ød	L	Tool No.
3/8	2	8mm	3-23/32	PLC-100





3-STEP RTA FURNITURE DRILL/COUNTERSINK ASSEMBLY

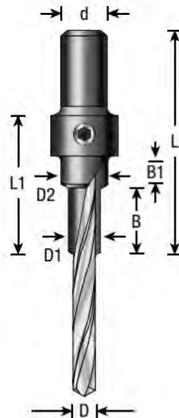
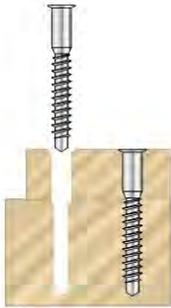
With HSS Slow Spiral Drill

Commonly used for RTA (ready-to-assemble) furniture fittings. Specially-treated high-speed steel countersink with polished slow-spiral drill bit. Will perform 3 tasks in one: pilot hole, clearance hole and countersink. For connecting screws (Conformat, Directa, etc.). The shankless countersink is heat treated.

ØD	ØD1	ØD2	B	B1	Ød	L1	L	Tool No.
10mm	5mm	7mm	<30mm*	25mm	7mm	30mm	106mm	55650

* B can be adjusted up to 30mm.

Replacement parts: 5x7mm Stepped drill #55107; Hex key #5009.



3-STEP RTA FURNITURE DRILL/COUNTERSINK

With HSS Slow Spiral Drill

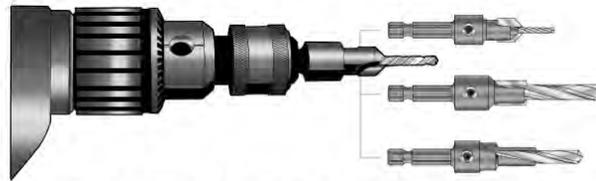
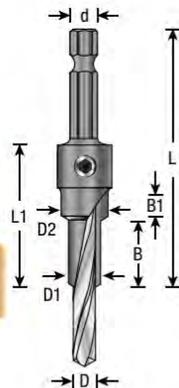
Commonly used for RTA (ready-to-assemble) furniture fittings. Specially-treated high-speed steel countersink with polished slow-spiral drill bit. Will perform 3 tasks in one: pilot hole, clearance hole and countersink. For connecting screws (Conformat, Directa, etc.). The shankless countersink is heat treated.

ØD	ØD1	ØD2	B	B1	Ød	L1	L	Tool No.
3.5mm	5mm	7mm	15mm	5mm	10mm	33mm	52mm	55102
5mm	7mm	10mm	19mm	5mm	10mm	32mm	58mm	55103

Replacement 3.5mm HSS slow spiral drill bit, 2-3/4" long, #55104.

Replacement 5.0mm HSS slow spiral drill bit, 3-7/16" long, #55105.

Replacement #10-24 set screw, #67092 (requires #5000 3/32" hex key).



RTA FURNITURE DRILL/COUNTERSINK

RTA furniture step drill – bit creates steps for the "Conformat" style furniture screw. Used for drilling pilot hole, clearance hole and countersinking.

ØD	ØD1	ØD2	B	B1	Ød	L1	L	Tool No.
3.5mm	5mm	7mm	15mm	5mm	1/4	33mm	60mm	55290
5mm	7mm	10mm	19mm	5mm	1/4	38mm	62mm	55292

Replacement 3.5mm HSS slow spiral drill bit, 2-3/4" long, #55104.

Replacement 5.0mm HSS slow spiral drill bit, 3-7/16" long, #55105.

Replacement #10-24 set screw, #67092 (requires #5000 3/32" hex key).

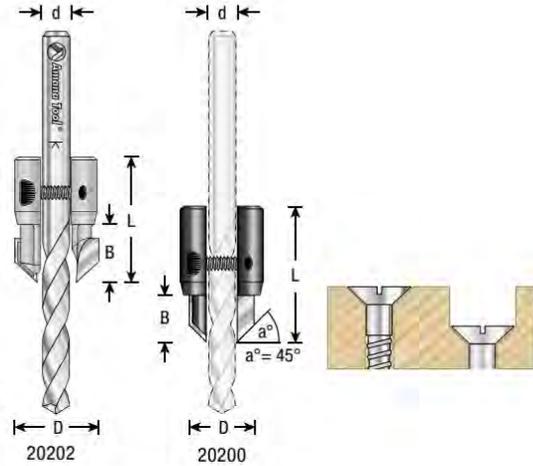
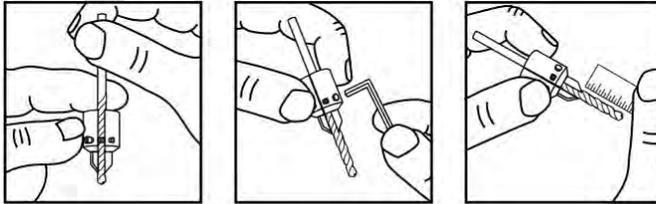
'DI-COUNT'[™] ADJUSTABLE COUNTERSINK

Carbide-Tipped • 2-Wing

ØD	a°	B	Ød	L	Drill No.	Tool No.
7/16 to 19/32	45°	7/16	3/32 to 9/32	1-1/4	—	20200
5/8 to 25/32	45°	5/8	1/4 to 13/32	1-11/32	630-702	20202*

* Includes 1/4" diameter slow spiral, HSS M2 DIN 338 fully ground drill.
 20200 accepts drills from 3/32" to 9/32" (Wood Screw Sizes #2 through #18).
 20202 accepts drills from 1/4" to 13/32" (Wood Screw Sizes #2 through #18).
 Replacement Allen screws (2 required) #67090.
 Replacement 3mm hex key #5004 (included).
 Drills not included with 20200.

▲ Warning: When drilling aluminum/non-ferrous, for optimal results and extended tool life, use lubricant or air cooling. Make sure the material is fixed and drill is stable during drilling.



ADJUSTABLE COUNTERBORE

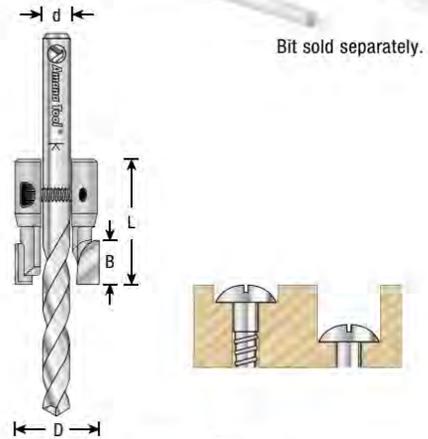
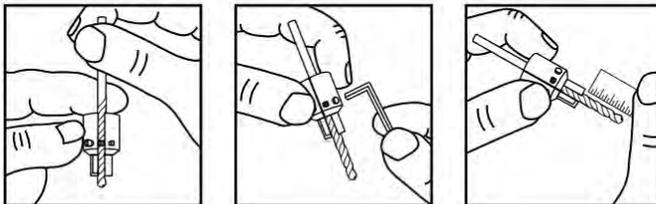
Carbide-Tipped • 2-Wing
 Slow Spiral, HSS M2 DIN 338 Fully Ground Drill

Accepts Drills from 3/32" through 9/32" (Wood Screw Sizes #2 through #18).

ØD	B	Ød	L	Drill No.	Tool No.
29/64 to 5/8	15/32	1/8 to 9/32	1-3/32	630-102	20204**
27/32 to 1	5/8	1/4 to 13/32	1-5/16	630-702	20206*

** Includes 1/8" diameter drill.
 * Includes 1/4" diameter drill.
 Replacement Allen screws (2 required) #67090.
 Replacement 3mm hex key #5004 (included).

▲ Warning: When drilling aluminum/non-ferrous, for optimal results and extended tool life, use lubricant or air cooling. Make sure the material is fixed and drill is stable during drilling.



Bit sold separately.

ADJUSTABLE UNIVERSAL DRILL-DEPTH STOPS

Can be clamped onto any drill* from 3mm to 10mm. An innovation and universal solution to the problem of drilling holes to an accurate depth. Special design to minimize any marks on the surface being drilled. User friendly – quick assembly and easy drill-depth adjustment.

* Drills not included.

Range of Drill Diameters	Tool No.
3mm to 7mm (1/8 to 1/4)	20210
6mm to 10mm (1/4 to 3/8)	20212

Replacement 3mm hex key #5004 (not included).





MULTI-TOOTH FORSTNER BITS

High Carbon Tool Steel • 1/2" Shank

Specially designed Forstner bits for cutting telephone and computer wire grommet access holes in office furniture. All tools feature precision ground and tempered tool steel, multi-tooth cutting edges for faster cutting and chip removal, and massive cutter body to dissipate heat and resist burning.

ØD	Ød	L	Tool No.
2-1/4 (57mm)	1/2	6	FO-558
2-3/8 (60mm)	1/2	6	FO-562
3 (76mm)	1/2	6	FO-574
3-1/8 (80mm)	1/2	6	FO-560

FORSTNER PATTERN BITS

High Carbon Tool Steel • 2-Wing

Application: Drill pocket-holes, flat-bottom holes*, etc., using any 3/8" or larger portable drill or stationary drill press. Forstner pattern bits are well known for their ability to drill clean and chip-free holes in wood. Amana Tool® uses only the finest quality tool steel, precision machined and ground on state-of-the-art equipment. Large gullets milled in the tool body provide exceptional chip clearance.



ØD	Ød	L	Tool No.
1/4	3/8	3-1/2	FO-080
3/8	3/8	3-1/2	FO-095
5/16	3/8	3	FO-079
7/16	3/8	3-1/2	FO-111
1/2	3/8	3-1/2	FO-127
9/16	3/8	3-1/2	FO-142
5/8	3/8	3-1/2	FO-160
11/16	3/8	3-1/2	FO-174
3/4	3/8	3-1/2	FO-190
13/16	3/8	3-1/2	FO-206
7/8	3/8	3-1/2	FO-222
15/16	3/8	3-1/2	FO-238
1	3/8	3-1/2	FO-254
1-1/16	3/8	3-1/2	FO-269
1-1/8	3/8	3-1/2	FO-285
1-1/4	3/8	3-1/2	FO-317
1-3/8	3/8	3-1/2	FO-349
35mm	3/8	3-1/2	FO-350
1-1/2	3/8	3-1/2	FO-381
1-5/8	3/8	3-1/2	FO-413
1-3/4	3/8	3-1/2	FO-445
1-7/8	3/8	3-1/2	FO-476
2	3/8	3-1/2	FO-508
2-1/8	3/8	3-1/2	FO-540

* Note: A small pilot hole used for centering will be present on flat bottom holes.

FORSTNER PATTERN SETS

High Carbon Tool Steel • 3/8" Shank

All sets are packed in beautiful, custom-made hardwood cases. Features a sliding, clear acrylic door with sizes imprinted on the front and a pre-drilled bit tray that rotates for easy access to your tools.



Set No. FO-600



Set No. FO-700

Description	Order #
6-Piece Forstner bit set, 3/8" shank. Sizes: 3/8, 1/2, 5/8, 3/4, 7/8, 1.	FO-600
15-Piece Forstner bit set, 3/8" shank. Sizes: All 15 fractional sizes (3/8 through 2-1/8 in 1/8 increments).	FO-700



INDUSTRIAL Carbide Tipped

Saw Blades

Full Line Available for Today's Modern Materials!



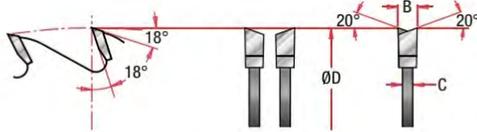
- ✓ Large, Industrial Micrograin Carbide Tips
- ✓ Oversized Tips for Multiple Resharpener
- ✓ Plate Is Straightened, Balanced & Tensioned
- ✓ Laser Cut Expansion Slots Ensure Stability
- ✓ Large Gullets Improve Chip Clearance

Warning: Before use, read saw blade safety guidelines on pages 336-338.



GENERAL PURPOSE

18° Hook Alternate Top Bevel (ATB) Grind



The Amana Tool® Prestige® general purpose blade cuts smoother and stays sharper longer in solid wood, plywood, MDF, melamine and chipboard. It features a massive tool-steel plate with expansion slots that practically eliminate vibration. The 40 teeth are ground with a steep 20° bevel angle, alternating left and right, for crisp, clean cuts both across grain and with the grain. The 18° hook angle yields an effortless feed. The precision-ground carbide teeth are individually computer-verified to have minimal run-out.

- Massive tool-steel plate with Expansion slots that eliminates vibration.
- Precision-ground carbide teeth (20° ATB Bevel) are individually computer verified for run-out of less than 1/10,000" on all axis.

Prestige® General Purpose Rated "EXCELLENT" for

- ✓ Ripping solid wood
- ✓ Crosscutting solid wood
- ✓ Ripping plywood
- ✓ Crosscutting plywood



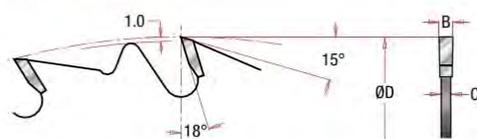
ØD		Teeth	Grind	'B' Kerf Inch	'C' Plate Inch	Bore	*P.H.	Tool No.
Inch	mm							
10	250	40	ATB	.134	.102	5/8	—	PR1040
10	250	40	ATB	.134	.098	5/8	—	PR1040C *
10	250	40	ATB	.134	.102	30mm	2/7/42, 2/9/46 & 2/10/60	PR1040-30C New
12	300	40	ATB	.134	.102	1	—	PR1240

* Clamshell packed.

'EURO-RIP' RIPPING

With Cooling Slots and Anti-Kickback Feature

18° Hook • Flat Top (FT) Grind



Designed for ripping hardwood and softwood, this exceptional blade cuts fast and smooth. The flat-top grind and the high positive hook angle reduce feed effort. The anti-kickback limits the thickness of chip; taken to offer a safer cut. Cooling slots in the body prevent excessive heat build-up.

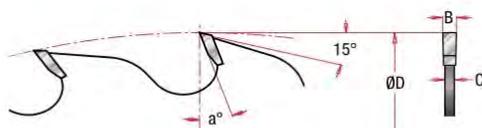
Soft/Hardwood Ripping

ØD		Teeth	Grind	'B' Kerf	'C' Plate	Bore	*P.H.	Tool No.
Inch	mm							
10	250	20	FT	.126	.087	5/8	—	RB1020
10	250	20	FT	.126	.087	5/8	—	RB1020C*
12	300	24	FT	.126	.087	1	—	RB1224
12	300	24	FT	.126	.087	30mm	2/7/42, 2/9/46 & 2/10/60	RB1224-30
14	350	28	FT	.126	.087	1	—	RB1428
14	350	28	FT	.126	.087	30mm	2/7/42, 2/9/46 & 2/10/60	RB1428-30
16	400	28	FT	.137	.098	1	—	RB1628

* Clamshell packed.

RIPPING STANDARD

18° to 20° Hook • Flat Top (FT) Grind



This blade is the classic ripper for both hardwood and softwood. It features the flat-top grind for cutting with the grain efficiently; ample gullets for fast chip-clearance; expansion slots and turbulence-reducing copper plugs. Available in 18° and 20° hook configurations. The blade with the 20° hook angle features a thicker plate and cuts a wider kerf. Use in single and gang-rip saws.

Soft/Hardwood Ripping

ØD		Teeth	Grind	a°	'B' Kerf	'C' Plate	Bore	*P.H.	Tool No.
Inch	mm								
10	250	24	FT	20°	.142	.095	5/8	—	610240
10	250	24	FT	20°	.142	.095	5/8	—	610240C*
12	300	30	FT	20°	.160	.110	1	—	612300
12	300	30	FT	20°	.173	.110	30mm	2/7/42, 2/9/46 & 2/10/60	612300-30
18	450	32	FT	20°	.157	.110	1	—	618320
20	500	36	FT	20°	.173	.110	1	—	620360

* Clamshell packed.

ØD		Teeth	Grind	a°	'B' Kerf	'C' Plate	Bore	*P.H.	Tool No.
Inch	mm								
10	250	20	FT	18°	.126	.087	5/8	—	610200
12	300	24	FT	18°	.126	.087	30mm	2/7/42, 2/9/46 & 2/10/60	612240-30
14	350	28	FT	18°	.137	.098	1	—	614280
16	400	32	FT	18°	.137	.098	1	—	616320
16	400	32	FT	18°	.137	.098	30mm	2/7/42, 2/9/46 & 2/10/60	616320-30

* P.H. = pin-hole configuration. Example: 2/10/60 = 2 @ 10mm dia. on 60mm circle.

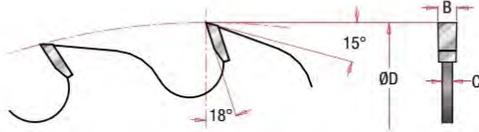
▲ **Warning:** Before use, read saw blade safety guidelines on pages 336-338.

INDUSTRIAL SAW BLADES

301

RIPPING HEAVY-DUTY

18° Hook • Flat Top (FT) Grind



Heavy-duty production ripping is this blade's forte. It has all the features needed for use with power feeders and gang-ripping operations: a low tooth count, flat-top grind, deep gullets for efficient chip clearance and a thick plate for reduced vibration.

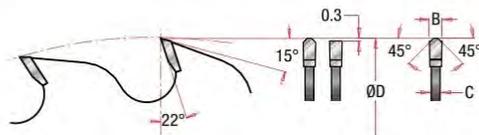


Soft/Hardwood Ripping

ØD		Teeth	Grind	'B' Kerf	'C' Plate	Bore	*P.H.	Tool No.
Inch	mm							
10	250	20	FT	.150	.095	5/8	—	710200
12	300	24	FT	.173	.110	1	—	712240
14	350	28	FT	.173	.110	1	—	714280
14	350	28	FT	.173	.110	30mm	2/7/42, 2/9/46 & 2/10/60	714280-30
16	400	32	FT	.173	.118	1	—	716320
16	400	32	FT	.173	.118	30mm	2/7/42, 2/9/46 & 2/10/60	716320-30

GLUE LINE RIPPING

22° Hook • Triple Chip (TC) Grind



Rip then glue up. With this exceptional blade, there's no need for sanding or jointing after the cut. The precision triple-chip grind and extra-high hook angle allow aggressive feed rates, yet produces an extra-smooth cut finish. The thick plate minimizes vibration.

Use on table saws, sliding table saw, single and gang-rip operations.



Soft/Hardwood Ripping

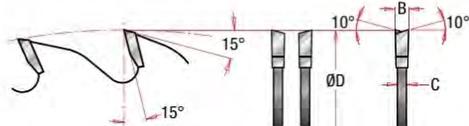
ØD		Teeth	Grind	'B' Kerf	'C' Plate	Bore	Tool No.
Inch	mm						
10	250	30	TCG	.145	.095	5/8	610301
10	250	30	TCG	.145	.095	5/8	610301C*
12	300	40	TCG	.160	.110	1	612401
14	350	40	TCG	.169	.118	1	614401

* Clamshell packed.



MULTI-USE RIPPING/GENERAL PURPOSE

15° Hook • Alternate Top Bevel (ATB) Grind



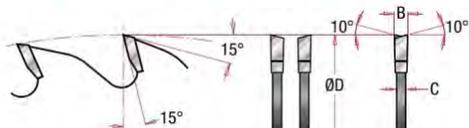
This is an excellent and popular general purpose configuration blade. Its low tooth count, high hook angle, and ample gullets make it an aggressive, fast-cutting ripping blade. But its ATB grind allows it to crosscut well. A good choice for all-around use.



ØD		Teeth	Grind	'B' Kerf Inch	'C' Plate Inch	Bore	*P.H.	Tool No.
Inch	mm							
10	250	30	ATB	.126	.087	5/8	—	610300
10	250	30	ATB	.126	.087	30mm	2/7/42, 2/9/46 & 2/10/60	610300-30
12	300	36	ATB	.126	.087	1	—	612360
12	300	36	ATB	.126	.087	30mm	2/7/42, 2/9/46 & 2/10/60	612360-30
14	350	42	ATB	.137	.098	1	—	614420
14	350	42	ATB	.137	.098	30mm	2/7/42, 2/9/46 & 2/10/60	614420-30
16	400	48	ATB	.137	.098	1	—	616480
16	400	48	ATB	.137	.098	30mm	2/7/42, 2/9/46 & 2/10/60	616480-30
18	450	54	ATB	.150	.110	1	—	618540
20	500	60	ATB	.173	.110	1	—	620600

GENERAL PURPOSE CUT-OFF

15° Hook • Alternate Top Bevel (ATB) Grind



While similar in most aspects to the blade above, this one has a slightly lower hook angle. That lower angle improves the surface quality of the cut while increasing the feed pressure required. This blade is a good choice for general purpose ripping and crosscutting of hardwoods and softwoods in a range of thicknesses, with occasional cutting of plywood and other man-made materials mixed in.



ØD		Teeth	Grind	'B' Kerf Inch	'C' Plate Inch	Bore	*P.H.	Tool No.
Inch	mm							
8	200	34	ATB	.118	.079	5/8	—	683400
—	220	34	ATB	.118	.079	30mm	2/7/42	220T340†
10	250	40	ATB	.126	.087	5/8	—	610400
12	300	48	ATB	.126	.087	1	—	612480
12	300	48	ATB	.126	.087	30mm	2/7/42, 2/9/46 & 2/10/60	612480-30
14	350	54	ATB	.137	.098	1	—	614540
14	350	54	ATB	.137	.098	30mm	2/7/42, 2/9/46 & 2/10/60	614540-30
16	400	60	ATB	.137	.098	1	—	616600
16	400	60	ATB	.137	.098	30mm	2/7/42, 2/9/46 & 2/10/60	616600-30

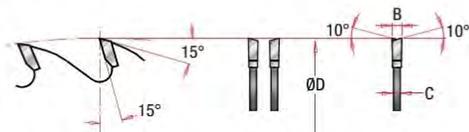
† For Holz-Her® 220mm panel saws.

* P.H. = pin-hole configuration. Example: 2/10/60 = 2 @ 10mm dia. on 60mm circle.

▲ **Warning:** Before use, read saw blade safety guidelines on pages 336-338.

THIN KERF GENERAL PURPOSE

15° Hook • Alternate Top Bevel (ATB) Grind



A thin-kerf blade has a slightly thinner plate and cutting tips. The benefits include reduced stress on the saw and its motor and reduced stock loss. Thin-kerf blades typically are used on saws powered by universal motors, including jobsite table saws and the various types of miter saws.

Not recommended for cutting stock thicker than 3/4" unless stabilizer(s) are used.

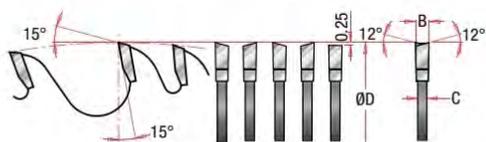


Soft/Hardwood Crosscut Combination Rip/Crosscut

ØD		Teeth	Grind	'B' Kerf Inch	'C' Plate Inch	Bore	Tool No.
Inch	mm						
10	250	40	ATB	.090	.062	5/8	TB10400
12	300	48	ATB	.090	.062	1	TB12480
14	350	54	ATB	.090	.062	1	TB14540

COMBINATION RIPPING & CROSSCUT

15° Hook • Combination Grind 4 ATB & 1 Raker



Where one blade must do almost everything – ripping and crosscutting hardwood and softwood, cutting plywood – this blade is a good choice. It is in the traditional combination-blade configuration, with a flat-top tooth and 4 alternate top bevel teeth in groupings of five. The large gullets at the raker tooth allow deep cuts with improved chip ejection.



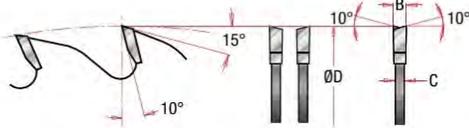
Combination Rip/Crosscut

ØD		Teeth	Grind	'B' Kerf Inch	'C' Plate Inch	Bore	Tool No.
Inch	mm						
8	200	40	4 & 1	.126	.087	5/8	684004
9	230	40	4 & 1	.126	.087	5/8	694004
10	250	50	4 & 1	.135	.095	5/8	610504
10	250	50	4 & 1	.138	.100	5/8	610504C*
12	300	60	4 & 1	.150	.110	1	612604
14	350	70	4 & 1	.150	.110	1	614704
16	400	80	4 & 1	.158	.118	1	616804

* Clamshell packed.

CUT-OFF & CROSSCUT

10° Hook • Alternate Top Bevel (ATB) Grind



As our standard cut-off and crosscut blade, this is ideal for table saws and sliding table saws. Its combination of 10° hook and the alternate top bevel tooth grind provide good-quality cuts and a long cutting life. Suitable for hardwood, softwood, even plywood and chipboard. Good choice for heavy production in any cabinet-making shop.



Soft/Hardwood Crosscut

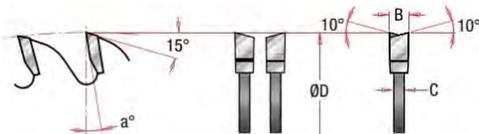
ØD		Teeth	Grind	'B' Kerf	'C' Plate	Bore	*P.H.	Tool No.
Inch	mm							
8	200	48	ATB	.118	.079	5/8	—	684800
10	250	60	ATB	.126	.087	5/8	—	610600
10	250	60	ATB	.126	.087	5/8	—	610600C*
10	250	60	ATB	.126	.087	30mm	2/7/42, 2/9/46 & 2/10/60	610600-30
12	300	60	ATB	.126	.087	1	—	612600
12	300	60	ATB	.126	.087	30mm	2/7/42, 2/9/46 & 2/10/60	612600-30
12	300	72	ATB	.126	.087	1	—	612720
12	300	72	ATB	.126	.087	30mm	2/7/42, 2/9/46 & 2/10/60	612720-30†
14	350	72	ATB	.137	.098	1	—	614720
14	350	72	ATB	.137	.098	30mm	2/7/42, 2/9/46 & 2/10/60	614720-30
14	350	84	ATB	.137	.098	1	—	614840
16	400	96	ATB	.137	.098	1	—	616960
18	450	108	ATB	.158	.110	1	—	618108

† For Altendorf®, Omega, SCMI® and Striebig® sliding table saws.

* Clamshell packed.

CUT-OFF & CROSSCUT HEAVY-DUTY

10° to 18° Hook • Alternate Top Bevel (ATB) Grind



This is a heavy-duty production blade for general trimming and crosscutting of hardwood and softwood. It has an extra-thick plate and cuts a wide kerf. The hook angle is aggressive, varying from 10° to 18°, depending upon the tooth count and blade diameter. All blades feature the alternate top bevel grind for clean cuts.

Appropriate for use on table saws and radial arm saws.



Soft/Hardwood Crosscut

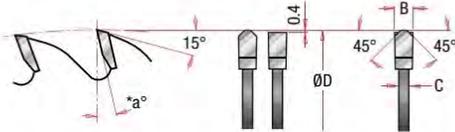
ØD		Teeth	Grind	a°	'B' Kerf	'C' Plate	Bore	Tool No.
Inch	mm							
12	300	96	ATB	10°	.173	.110	1	712960
16	400	60	ATB	18°	.173	.110	1	716600

* P.H. = pin-hole configuration. Example: 2/10/60 = 2 @ 10mm dia. on 60mm circle.

▲ **Warning:** Before use, read saw blade safety guidelines on pages 336-338.

CUT-OFF & CROSSCUT HEAVY-DUTY

10° to 18° Hook • Triple Chip (TC) Grind



Heavy-duty production blade featuring increased thickness of plate and kerf and more aggressive hook angle. Good for cutting plastic laminated materials, composition board and plywood.



Plastic Laminate
Single & Double Sided

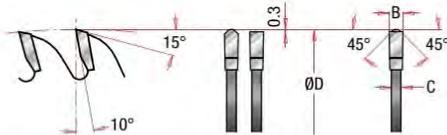


MDF/Fiberboard

ØD		Teeth	Grind	a°	'B' Kerf Inch	'C' Plate Inch	Bore	Tool No.
Inch	mm							
12	300	60	TCG	15°	.173	.110	1	712601
16	400	80	TCG	10°	.173	.118	1	716801

FINE CUT-OFF & CROSSCUT

10° Hook • Triple Chip (TC) Grind



This blade is ideal for cutting materials with fragile surface layers, like veneers and laminates. High tooth counts yield smooth finishes. The 10° hook angle provides effortless feeding. The triple-chip tooth opens a narrow kerf, and the raker widens it.



Plastic Laminate
Single & Double Sided



MDF/Fiberboard

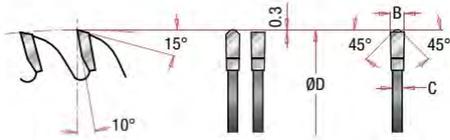
ØD		Teeth	Grind	'B' Kerf Inch	'C' Plate Inch	Bore	*P.H.	Tool No.
Inch	mm							
8	200	64	TCG	.118	.079	5/8	—	686401
—	220	64	TCG	.118	.079	30mm	2/7/42	220T641 †
10	250	80	TCG	.126	.087	5/8	—	610801
10	250	80	TCG	.126	.087	5/8	—	610801C*
10	250	80	TCG	.126	.087	30mm	2/7/42, 2/9/46 & 2/10/60	610801-30
12	300	96	TCG	.126	.087	1	—	612961
12	300	96	TCG	.126	.087	30mm	2/7/42, 2/9/46 & 2/10/60	612961-30
14	350	108	TCG	.137	.098	1	—	614109
14	350	108	TCG	.137	.098	30mm	2/7/42, 2/9/46 & 2/10/60	614109-30
16	400	120	TCG	.137	.098	1	—	616129

† For Holz-Her® 220mm Panel Saws.

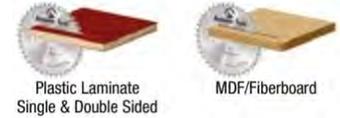
* Clamshell packed.

HEAVY-DUTY GENERAL PURPOSE

10° Hook • Triple Chip (TC) Grind



While this blade handles general trimming and crosscutting of hardwood and softwood, plywood and composition materials, it excels at cutting single or double-sided plastic-laminated material. It leaves a smooth, clean, chip-free finish on the top and bottom edges. The blades in this series feature a high tooth count, the triple-chip grind and a 10° hook angle for a successful compromise between feed effort and cut finish.



ØD		Teeth	Grind	'B' Kerf Inch	'C' Plate Inch	Bore	*P.H.	Tool No.
Inch	mm							
8	200	48	TCG	.118	.079	5/8	—	684801
10	250	60	TCG	.126	.087	5/8	—	610601
10	250	60	TCG	.126	.087	5/8	—	610601C †
10	250	60	TCG	.126	.087	30mm	2/7/42, 2/9/46 & 2/10/60	610601-30
12	300	60	TCG	.126	.087	1	—	612601
12	300	60	TCG	.126	.087	30mm	2/7/42, 2/9/46 & 2/10/60	612601-30
12	300	72	TCG	.126	.087	1	—	612721
12	300	72	TCG	.126	.087	30mm	2/7/42, 2/9/46 & 2/10/60	612721-30 †
14	350	72	TCG	.137	.098	1	—	614721
14	350	72	TCG	.137	.098	30mm	2/7/42, 2/9/46 & 2/10/60	614721-30
14	350	84	TCG	.137	.098	1	—	614841
16	400	96	TCG	.137	.098	1	—	616961
18	450	108	TCG	.158	.110	1	—	618109

† For Altendorf® Omega, SCMI® and Striebig® sliding table saws.

* Clamshell packed.



General Purpose CNC Router Bit Sets

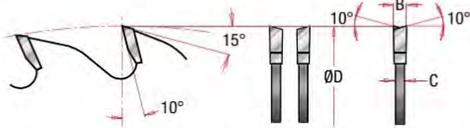
Visit www.amanatool.com #AMS-286

* P.H. = pin-hole configuration. Example: 2/10/60 = 2 @ 10mm dia. on 60mm circle.

▲ **Warning:** Before use, read saw blade safety guidelines on pages 336-338.

TRIM

10° Hook • Alternate Top Bevel (ATB) Grind



Our trim blade, suitable for use on table saws, sliding table saws, radial arms, and miter saws of all types, leaves a super-smooth finish when cutting hard or softwood. It is especially suited to trimming and sizing veneers and laminates in single sheets or in stacks. The alternate top grind and high tooth counts produce excellent, chip-free cuts. The 10° hook angle provides effortless feeding.



Soft/Hardwood Crosscut Cabinet Plywood Rip/Crosscut

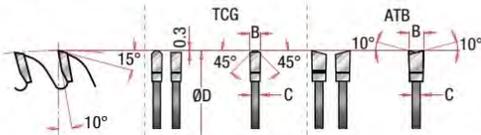
ØD				'B' Kerf	'C' Plate			
Inch	mm	Teeth	Grind	Inch	Inch	Bore	*P.H.	Tool No.
8	200	64	ATB	.118	.079	5/8	—	686400
—	220	64	ATB	.118	.079	30mm	2/7/42	220T640†
10	250	80	ATB	.126	.087	5/8	—	610800
10	250	80	ATB	.126	.087	5/8	—	610800C*
10	250	80	ATB	.126	.087	30mm	2/7/42, 2/9/46 & 2/10/60	610800-30
12	300	96	ATB	.126	.087	1	—	612960
12	300	96	ATB	.126	.087	30mm	2/7/42, 2/9/46 & 2/10/60	612960-30
14	350	108	ATB	.137	.098	1	—	614108
14	350	108	ATB	.137	.098	30mm	2/7/42, 2/9/46 & 2/10/60	614108-30
16	400	120	ATB	.137	.098	1	—	616128
18	450	132	ATB	.157	.110	1	—	618132

† For Holz-Her® 220mm Panel Saws.

* Clamshell packed.

THIN KERF TRIM

10° Hook • Alternate Top Bevel (ATB) and Triple Chip (TC) Grind



Thin-kerf blades require less power because they have thinner plates and narrower tips. This trim blade is ideal for jobsite table saws and various miter saws for that reason. Available in either alternate top bevel grind for cutting hardwood, softwood and plywood, or triple-chip grind for chipboard and laminate-covered material. Also suitable for cutting thin Plexiglas®, masonite and plastics.

Use of stabilizers is recommended when cutting stock over 3/4" thick.



THIN KERF

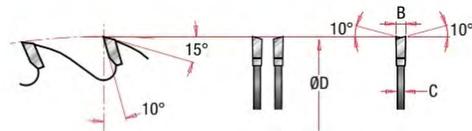


ØD				'B' Kerf	'C' Plate			
Inch	mm	Teeth	Grind	Inch	Inch	Bore		Tool No.
8	200	64	ATB	.090	.062	5/8		TB86400
10	250	80	ATB	.090	.062	5/8		TB10800
8	200	64	TCG	.090	.062	5/8		TB86401
10	250	80	TCG	.090	.062	5/8		TB10801
10	250	100	TCG	.090	.062	5/8		TB10101



THIN KERF FINE FINISHING

10° Hook • Alternate Top Bevel (ATB) Grind



Thin kerf blades are designed for miter smooth cuts; less drag on bearings and brake and reduces stock loss on expensive woods and veneer plywoods. Not recommended to cut stock over 3/4" without the use of a stabilizer.



**THIN
KERF**



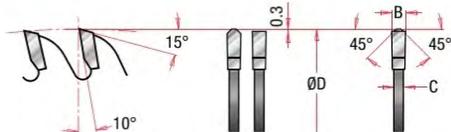
Soft/Hardwood
Crosscut

Cabinet Plywood
Rip/Crosscut

ØD		Teeth	Grind	'B' Kerf Inch	'C' Plate Inch	Bore	Tool No.
Inch	mm						
10	250	80	ATB	.090	.062	5/8	610800-TS
12	300	96	ATB	.090	.062	1	612960-TS

THIN KERF FINE FINISHING

10° Hook • Triple Chip (TC) Grind



Thin kerf blades are designed for miter smooth cuts; less drag on bearings and brake and reduces stock loss on expensive woods and veneer plywoods. Not recommended to cut stock over 3/4" without the use of a stabilizer. TCG grind can also be used for cutting thin Plexiglas®, masonite and plastics.



**THIN
KERF**



Plastic Laminate
Single & Double Sided

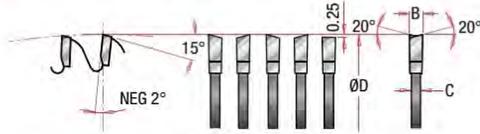
ØD		Teeth	Grind	'B' Kerf Inch	'C' Plate Inch	Bore	Tool No.
Inch	mm						
10	250	80	TCG	.090	.062	5/8	610801-TS

* P.H. = pin-hole configuration. Example: 2/10/60 = 2 @ 10mm dia. on 60mm circle.

Warning: Before use, read saw blade safety guidelines on pages 336-338.

MITER/DOUBLE MITER

2° Negative Hook • 4 ATB & 1 Raker



Designed especially for use on various styles of miter saws, as well as radial arm saws. This blade cuts crisp, chip-free miters in hardwood and softwood, in moldings and picture-frame stock. All these blades feature the alternate top bevel plus raker grind (4 ATB plus 1 raker), 2° negative hook angle, and a high tooth count to produce exactly what you want for tight miters – extremely smooth cuts.



Soft/Hardwood
Crosscut

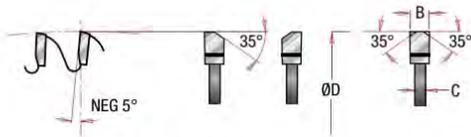
Cabinet Plywood
Rip/Crosscut

ØD Inch	Teeth	Grind	'B' Kerf Inch	'C' Plate Inch	Bore	Machine Type	Tool No.
12	80	4&1	.122	.110	5/8	Pistorius, CTD	MS12800-5/8
12	80	4&1	.122	.110	1	Dewalt, Hitachi	MS12800
14	100	4&1	.150	.118	5/8	Pistorius, CTD	MS14100-5/8
15	100	4&1	.118	.098	1	Hitachi	MS15100

Above blades are true "Imperial" sizes.

MITER/DOUBLE MITER

5° Negative Hook • California Triple Chip (C-TC) Grind



The California triple chip grind is the choice in the door and window manufacturing industry, and in framing shops everywhere. Its cuts are crisp and clean in wood, ACM (Aluminum Composite Materials) such as Alucobond®, Dibond®, Durabond etc., and burr-free in aluminum and other non-ferrous metals. This blade has a very high tooth count, a 5° negative hook, and a stout plate for smooth cuts and long tool life. It works in miter saws, compound miter saws, and sliding compound saws.



Soft/Hardwood Crosscut

Non-Ferrous Alloys

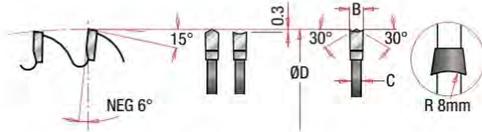
ØD Inch	Teeth	Grind	'B' Kerf Inch	'C' Plate Inch	Bore	Machine Type	Tool No.
12	90	C-TCG	.135	.110	5/8	Pistorius, CTD	CTC12903-5/8

Above blade is true "Imperial" size.

▲ WARNING: NEVER attempt to cut ferrous metals (steel, iron, etc.) with these saw blades. When cutting non-ferrous metals, a coolant or blade wax should be used and proper clamping devices employed.

HOLLOW GROUND

6° Negative Hook • Hollow Grind (HG)



This specially designed saw blade makes exceptionally smooth cuts in melamine and other coated boards, without the need for scoring. The unique hollow grind, which pairs a triple-chip tooth with a raker tooth that's ground to a concave profile, produces crisp, clean cuts. The grind is commonly used in vertical panel saws, such as those made by Striebig® and Holz-Her®. The negative hook angle is particularly suitable for vertical panel saws.



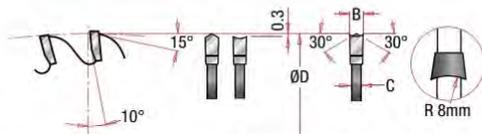
Melamine
Single & Double Sided

ØD		Teeth	Grind	'B' Kerf Inch	'C' Plate Inch	Bore	*P.H.	Machines	Tool No.
Inch	mm								
10	253	48	HG	.126	.087	5/8	—	—	HG10480
10	253	48	HG	.126	.087	30mm	2/7/42, 2/9/46 & 2/10/60	Holz-Her®	HG10480-30
12	303	60	HG	.126	.087	30mm	2/7/42, 2/9/46 & 2/10/60	Holz-Her®	HG12600-30

† For Holz-Her® 220mm panel saws.

HOLLOW GROUND

10° Positive Hook • Hollow Grind (HG)



This specially designed saw blade makes exceptionally smooth cuts in melamine and other coated boards, without the need for scoring. The unique hollow grind, which pairs a triple-chip tooth with a raker tooth that's ground to a concave profile, produces crisp, clean cuts. The positive hook angle is particularly suitable for use on horizontal sliding table saws such as those made by Striebig®, Altendorf®, SCM and Holz-Her®.



Melamine
Single & Double Sided

ØD		Teeth	Grind	'B' Kerf Inch	'C' Plate Inch	Bore	*P.H.	Tool No.
Inch	mm							
10	253	48	HG	.126	.087	30mm	2/7/42, 2/9/46 & 2/10/60	HG10483-30

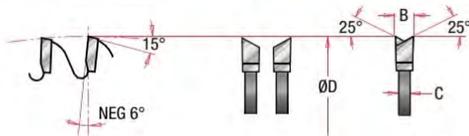
* P.H. = pin-hole configuration. Example: 2/10/60 = 2 @ 10mm dia. on 60mm circle.

▲ **Warning:** Before use, read saw blade safety guidelines on pages 336-338.



DOUBLE-FACE MELAMINE & LAMINATE

6° Negative Hook • 25° 'High-ATB' Grind



Designed specifically to cut melamine, this blade does just that without chipping on the top or bottom edges. (Your table saw must be properly tuned, of course.)

The special "High-ATB" grind (with 25° bevels) slices cleanly through fragile surface coatings like melamine and laminate. Coupled with a thick, heavy-duty plate for added stability, this blade produces extremely smooth cuts. It is easily resharpened.



Melamine
Single & Double Sided

ØD		Teeth	Grind	'B' Kerf		'C' Plate		Bore	*P.H.	Tool No.
Inch	mm			Inch	Inch	Inch	Inch			
8	200	64	H-ATB	.110	.087	5/8	—		MB86400	
—	220	42	H-ATB	.110	.087	30mm	2/7/42		MB220T420 †	
10	250	80	H-ATB	.126	.102	5/8	—		MB10800	
10	250	80	H-ATB	.126	.102	5/8	—		MB10800C*	
10	250	80	H-ATB	.126	.102	30mm	2/7/42, 2/9/46 & 2/10/60		MB10800-30	
12	300	96	H-ATB	.126	.102	1	—		MB12960	
12	300	96	H-ATB	.126	.102	1	—		MB12960C	
12	300	96	H-ATB	.126	.102	30mm	2/7/42, 2/9/46 & 2/10/60		MB12960-30	
14	350	108	H-ATB	.126	.102	1	—		MB14108	
14	350	108	H-ATB	.126	.102	30mm	2/7/42, 2/9/46 & 2/10/60		MB14108-30	
16	400	120	H-ATB	.150	.126	1	—		MB16120	

Note: The 8" blade can be used on vertical type panel saws, such as 'Safety Speed Cut', etc.

† For 220mm Holz-Her® Panel Saws.

* Clamshell packed.

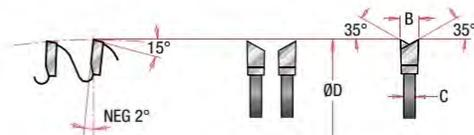
* P.H. denotes pin-hole configuration, if applicable.

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

▲ **Warning:** Before use, read saw blade safety guidelines on pages 336-338.

DOUBLE-FACE MELAMINE, KORTON & VENEERS

2° Negative Hook • 35° 'High-ATB' Grind



Alterations to the geometry and plate thickness provide improved results in certain melamine boards. The bevel angle of the ATB grind is far more acute (35°), and the plate is thinner than our standard melamine blades as seen on the previous page.



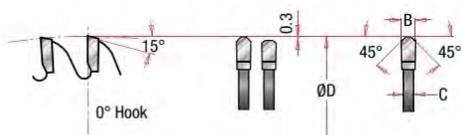
Melamine
Single & Double Sided

ØD		Teeth	Grind	'B' Kerf	'C' Plate	Bore	*P.H.	Tool No.
Inch	mm			Inch	Inch			
10	250	80	H-ATB	.118	.087	5/8	—	MSB1080
10	250	80	H-ATB	.118	.087	5/8	—	MSB1080C *
10	250	80	H-ATB	.118	.087	30mm	2/7/42, 2/9/46 & 2/10/60	MSB1080-30
12	300	96	H-ATB	.118	.087	1	—	MSB1296
12	300	96	H-ATB	.118	.087	30mm	2/7/42, 2/9/46 & 2/10/60	MSB1296-30

* Clamshell packed.

SOLID SURFACE

0° Hook • Modified Triple Chip (MTC) Grind



This blade is designed for cutting plastic laminate, Plexiglas® and solid surface materials such as Dupont Corian®, Wilsonart®, Gibraltar® & Fountainhead®. The triple chip grind is especially configured to leave a swirl-free cut in solid surface materials. Thick, stable plate reduces vibration that degrades the cut and shortens tool life. The blade is suitable for a variety of saw configurations. The 0° hook angle virtually eliminates self-feeding when used with a radial arm saw.



Solid Surface

Plastic Laminate
Single & Double Sided

ØD		Teeth	Grind	'B' Kerf	'C' Plate	Bore	*P.H.	Tool No.
Inch	mm			Inch	Inch			
10	250	72	MTC	.126	.095	5/8	—	610721
10	250	72	MTC	.126	.095	5/8	—	610721C *
10	250	72	MTC	.126	.095	30mm	2/7/42, 2/9/46 & 2/10/60	610721-30
12	300	84	MTC	.126	.095	1	—	612841
12	300	84	MTC	.126	.095	30mm	2/7/42, 2/9/46 & 2/10/60	612841-30
14	350	96	MTC	.126	.102	1	—	614961
16	400	108	MTC	.126	.102	1	—	616109

* Clamshell packed.

* 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 336-338.

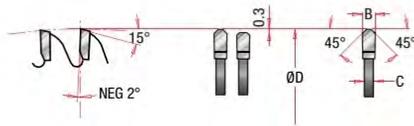
INDUSTRIAL SAW BLADES

313



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

ØD		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.

* Clamshell packed.



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

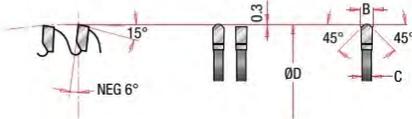
Example: 2/10/60 = 2 @ 10mm dia. on 60mm circle.

▲ **Warning:** Before use, read saw blade safety guidelines on pages 336-338.



NON-FERROUS METAL

6° Negative Hook • Triple Chip (TC) Grind



Ideal for cutting aluminum and non-ferrous metal bars such as copper, brass, bronze and lead. It also is good for cutting extrusions and profiles. The negative hook angle (-6°), triple-chip grind and thick plate combine to produce a superior finish. The blade can also be used to cut other "difficult" materials such as plastic, PVC tubing, fiberglass and ACM such as Alucobond® Dibond® and Durabond. Use a coolant or blade wax and clamp down the work-piece when cutting non-ferrous metals.



For Thick Aluminum (over 0.25")

ØD Inch	ØD mm	Teeth	Grind	'B' Kerf Inch	'C' Plate Inch	Bore	*P.H.	Tool No.
10	250	60	TCG	.126	.102	5/8	—	510601
10	250	60	TCG	.126	.102	30mm	2/7/42, 2/9/46 & 2/10/60	510601-30
12	300	72	TCG	.126	.102	1	—	512721
12	300	72	TCG	.126	.102	30mm	2/7/42, 2/9/46 & 2/10/60	512721-30
14	350	84	TCG	.126	.102	1	—	514841
16	400	96	TCG	.150	.126	1	—	516961
18	450	108	TCG	.157	.134	1	—	518108

For Thin Material (under 0.25")

ØD Inch	ØD mm	Teeth	Grind	'B' Kerf Inch	'C' Plate Inch	Bore	*P.H.	Machines	Tool No.
7	180	58	TCG	.110	.087	5/8	—	—	575601
8	200	64	TCG	.110	.087	5/8	—	—	586401
10	250	80	TCG	.126	.102	5/8	—	—	510801
10	250	80	TCG	.126	.102	5/8	—	—	510801C *
10	250	80	TCG	.126	.102	30mm	2/7/42, 2/9/46 & 2/10/60	—	510801-30
10	250	100	TCG	.126	.102	5/8	—	—	510101
12	300	96	TCG	.126	.102	1	—	—	512961
12	300	96	TCG	.126	.102	30mm	2/7/42, 2/9/46 & 2/10/60	—	512961-30
14	350	100	TCG	.146	.118	5/8	—	Pistorious	514101-5/8HD
14	350	108	TCG	.126	.102	1	—	—	514108
14	350	108	TCG	.126	.102	30mm	2/7/42, 2/9/46 & 2/10/60	—	514108-30
15	375	100	TCG	.120	.098	1	—	Hitachi	515101 †
16	400	120	TCG	.150	.126	1	—	—	516121
18	450	120	TCG	.150	.126	1	—	—	518121
20	500	120	TCG	.174	.140	1	—	—	520121
20	500	120	TCG	.174	.156	30mm	2/7/42, 2/9/46 & 2/10/60	—	520121-30

† For Hitachi Miter box (Thin Kerf).

* Clamshell packed.

WARNING: Never attempt to cut ferrous metals (steel, iron, etc.) with the saw blades on this page.

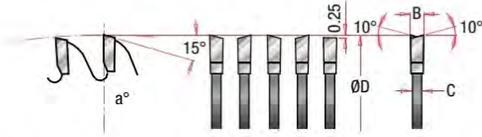
* P.H. denotes pin-hole configuration, if applicable.

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

▲ **Warning:** Before use, read saw blade safety guidelines on pages 336-338.

RADIAL ARM

-2° & 0° Hook • 4 ATB & 1 Raker or ATB



Designed especially for radial arm saws, sliding compound miter saws and others with the blade above the work-piece, these blades minimize the tendency to self-feed. They feature a low tooth count and an ATB plus raker grind (typically used on combination blades). Excellent choice for cutting hardwood and softwood.



Combination Rip/Crosscut

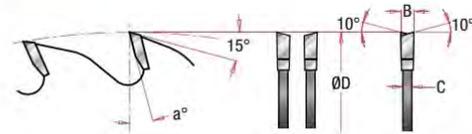


Cabinet Plywood Rip/Crosscut

ØD		Teeth	Grind	a°	'B' Kerf	'C' Plate	Bore	Tool No.
Inch	mm							
10	250	24	ATB	-2°	.134	.095	5/8	RA1024
12	300	36	ATB	0°	.150	.110	1	RA1236
14	350	40	4&1	-2°	.165	.110	1	RA1440
14	350	42	ATB	0°	.165	.110	1	RA1442
16	400	40	4&1	-2°	.165	.118	1	RA1640
16	400	48	ATB	0°	.165	.118	1	RA1648

HOLZ-HER® PANEL SAW

220mm



Designed specifically for the Holz-Her® 220mm panel saws. Blades are available for general purpose cutting, crosscutting and sawing laminates, melamine, acrylic and other plastics and solid surface materials. Blades with tips made of the high-performance DITEC™ carbide, an Amana Tool® exclusive, are also included in this line.



Soft/Hardwood Crosscut



Cabinet Plywood Rip/Crosscut



Plastic Laminate Single & Double Sided



Melamine Single & Double Sided



Solid Surface



Acrylic & Non-Melt Plastic

ØD	Teeth	Grind	a°	'B' Kerf	'C' Plate	Bore	*P.H.	Application	Tool No.
mm				Inch	Inch				
220	34	ATB	10°	.118	.079	30mm	2/7/42	General Purpose	220T340
220	64	ATB	10°	.118	.079	30mm	2/7/42	Crosscut Wood	220T640
220	64	TCG	10°	.118	.079	30mm	2/7/42	Laminate/MDF	220T641
220	64	TCG	-2°	.126	.079	30mm	2/7/42	Plastic Non-Melt	LB220T641
220	42	H-ATB	-6°	.110	.087	30mm	2/7/42	Melamine	MB220T420
220	64	H-ATB	0°	.126	.079	30mm	2/7/42	DITEC™ Melamine	DT220T640 †
220	64	TCG	10°	.118	.087	30mm	2/7/42	DITEC™ Laminate/MDF	DT220T641 †

† Denotes high-performance DITEC™ carbide.

* 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 336-338.

DITEC™ EXTRA STRENGTH CARBIDE

- Exclusive carbide grade
- Long lasting
- Smooth cuts

na Tool®

Amman

DITEC™ SAW BLADES

Exclusive DITEC™ Carbide Tips Provide At Least Twice The Output Of Conventional Grade Carbide

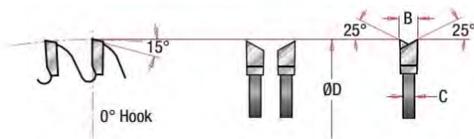
Unique, long-life saw blades made for cutting chipboard and plywood with/without coating. Teeth produced from special micro-grain quality, thus durable against wear while working with abrasive material. Intended for table saw and panel sizing machines. It's straightening maintained for a long period due to a unique method which does not harm the structure of the saw body steel. With the use of static balancing, increased stability is ensured to preserve the machine bearings.

- ✓ Exclusive DITEC™ Carbide Tips
- ✓ Higher Reliability & Lower Maintenance
- ✓ Low Noise Level
- ✓ Laser Cut Saw Bodies
- ✓ Excellent Cutting Quality

DITEC™ EXTRA STRENGTH CARBIDE DITEC™ MELAMINE

0° Hook • 'HIGH-ATB' GRIND

If you cut melamine on a regular basis, this is the blade you should use. It has the same features as our regular melamine blades – the MB series and MSB series (see page 312-313) – such as a thicker than standard plate, high tooth count, and the H-ATB grind, but this blade has long-lasting DITEC™ carbide tips.



ØD		Teeth	Grind	'B' Kerf Inch	'C' Plate Inch	Bore	*P.H.	Tool No.
Inch	mm							
—	220	64	H-ATB	.126	.079	30mm	2/7/42	DT220T640 †
12	300	84	H-ATB	.126	.102	30mm	2/7/42, 2/9/46 & 2/10/60	DT12840-30

† For Holz-Her® 220mm panel saws.

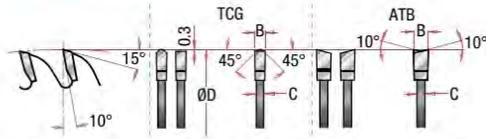
* P.H. denotes pin-hole configuration, if applicable.
Example: 2/10/60 = 2 @ 10mm dia. on 60mm circle.

▲ **Warning:** Before use, read saw blade safety guidelines on pages 336-338.

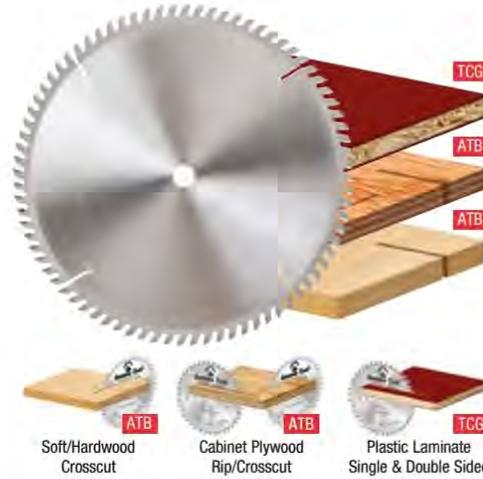


DITEC™ SLIDING TABLE

10° Hook • ATB or TC Grind



Designed primarily for use in sliding table saws, such as Striebig® Altendorf® SCMI® & Delta® models. They are also suitable for use in regular table saws. The blades incorporate an exceptional array of features: high tooth count, a choice of alternate top bevel or triple chip grind, expansion slots and turbulence-dampening copper plugs. The DITEC™ carbide tips add exceptional sharpness and long tool life to these features. Choose the ATB grind for solid wood or plywood, the TC grind for MDF, OSB, HDF, single or double-sided melamine and plastic laminated panels.



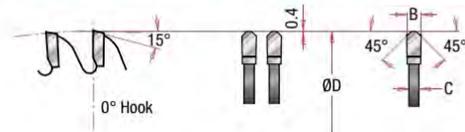
ØD				'B' Kerf	'C' Plate			
Inch	mm	Teeth	Grind	Inch	Inch	Bore	*P.H.	Tool No.
10	250	80	ATB	.126	.087	5/8	—	DT10800
12	300	72	ATB	.126	.087	1	—	DT12720
12	300	72	ATB	.126	.087	30mm	2/7/42, 2/9/46 & 2/10/60	DT12720-30 †
12	300	96	ATB	.126	.087	1	—	DT12960
12	300	96	ATB	.126	.087	30mm	2/7/42, 2/9/46 & 2/10/60	DT12960-30 †
14	350	84	ATB	.137	.098	1	—	DT14840
14	350	84	ATB	.137	.098	30mm	2/7/42, 2/9/46 & 2/10/60	DT14840-30
14	350	108	ATB	.137	.098	30mm	2/7/42, 2/9/46 & 2/10/60	DT14108-30
12	300	72	TCG	.126	.087	1	—	DT12721
12	300	72	TCG	.126	.087	30mm	2/7/42, 2/9/46 & 2/10/60	DT12721-30 †
12	300	96	TCG	.126	.087	1	—	DT12961
12	300	96	TCG	.126	.087	30mm	2/7/42, 2/9/46 & 2/10/60	DT12961-30 †
12	300	96	TCG	.126	.087	30mm	2/7/42, 2/9/46 & 2/10/60	DT300T96-30 <i>New</i>
14	350	84	TCG	.137	.098	1	—	DT14841
14	350	84	TCG	.137	.098	30mm	2/7/42, 2/9/46 & 2/10/60	DT14841-30
14	350	108	TCG	.137	.098	1	—	DT14109
14	350	108	TCG	.137	.098	30mm	2/7/42, 2/9/46 & 2/10/60	DT14109-30

† Fits Striebig® vertical panel saw.



DITEC™ SOLID SURFACE

0° Hook • Special TC-22 Modified Grind



Designed for cutting plastic laminate, Plexiglas® and solid surface materials such as Dupont Corian®, Wilsonart® Gibraltar® and Fountainhead®. The DITEC™ carbide tips are ground in a triple chip geometry unique to this blade and leave a swirl-free cut in solid surface materials.

The thick, stable plate reduces vibration that degrades the cut and shortens tool life. The blade is suitable for a variety of saw configurations. Its 0° hook angle virtually eliminates self-feeding when used with a radial arm saw, miter saw and table saw.



ØD				'B' Kerf	'C' Plate			
Inch	mm	Teeth	Grind	Inch	Inch	Bore	*P.H.	Tool No.
10	250	72	S-TCG	.126	.102	5/8	—	DT10721
12	300	84	S-TCG	.126	.102	1	—	DT12841
12	300	84	S-TCG	.126	.102	30mm	2/7/42, 2/9/46 & 2/10/60	DT12841-30

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

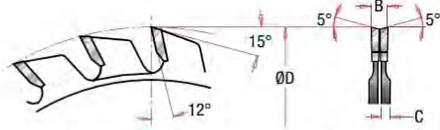
Example: 2/10/60 = 2 @ 10mm dia. on 60mm circle.

▲ **Warning:** Before use, read saw blade safety guidelines on pages 336-338.



DITEC™ ADJUSTABLE TYPE SCORING SETS

12° Hook • Alternate Top Bevel (ATB) Grind



Used on panel saws or sliding table saws with separate scoring units for chip-free cuts on both sides of the material. Adjustable scoring sets consist of two 12-tooth saw blades with shims to adjust the kerf width (2.8mm to 3.6mm). Used in combination with our industrial saw blades with standard kerf (example #612721, #DT12721, etc.).



ØD	Teeth	Grind	'B' Kerf	'C' Plate	Bore	Machine Application	Tool No.
120mm	12 x 2	ATB	2.8mm to 3.6mm	2mm(x2)	20mm	Altendorf®, Martin, Mrozek	DT120T14-20

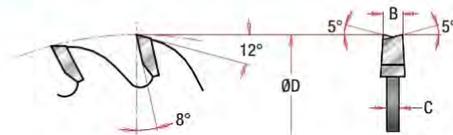
Note: Adjustable scoring sets with 20mm bore can be converted to either 3/4" bore by ordering two each #BU-134 bushings.

Replacement 5-piece shim set (.06mm, .10mm, .20mm (2) and 2.8mm) order No. 'Shim Set'. Will fit 20mm scoring sets.



DITEC™ CONICAL TYPE SCORING SETS

8° Hook • Conical Alternate Top Bevel (ATB) Grind



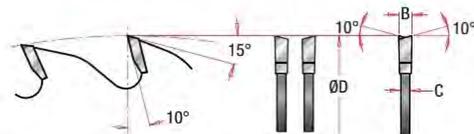
Used on panel saws with separate scoring units for chip-free cuts on both sides of the material. With conical type scoring blades, the kerf width changes with depth of penetration. Used in combination with our industrial saw blades '7' series only (#714721, etc.). Also used in combination with the DITEC™ series panel saw main blades. Kerf range should match the main blade.



ØD	Teeth	Grind	'B' Kerf	'C' Plate	Bore	Machine Application	Tool No.
120mm	24	Conical	3.2mm to 4.2mm	2.2mm	20mm	Altendorf®	DT120T20

EDGE BANDER TRIM SAW

10° Hook • Alternate Top Bevel (ATB) Grind



Replacement trim saw blades for edgebanding machines feature alternate top bevel grind on the teeth, 10° hook angle, and standard thickness plates. Most machines require two blades.



ØD mm	Teeth	Grind	'B' Kerf Inch	'C' Plate Inch	Bore	Tool No.
150mm	30	ATB	.126	.087	30mm	663000

#663000 is for IDM-137 and Ocmac Chica 290 edgebanders, and others. 663010 is for Olimpic Nova-2 edgebanders, and others.

* 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 336-338.

INDUSTRIAL SAW BLADES

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EZ-Dial™

Shim-Free

- Adjustable in increments of 0.1mm
- Fits most machines



EZ DIAL™ SCORING SET

Adjustments can easily be made while the scoring set is mounted on the machine! Adjusting the scoring set is quick and easy, simply turn the dial to adjust the width of the score. Eliminates the need for shims, endless measuring, reassembling, testing and adjusting to obtain the required width.

- Fully adjustable in increments of 0.1mm.
- Kerf adjusts from 2.8mm to 3.6mm.
- Available in 100mm and 120mm diameters with 15mm, 20mm, 22mm and 3/4" bores.
- Replacement blades available.
- Fits most machines including Altendorf® and SCM.

ØD	Kerf mm	Teeth	Bore	Repl. Dial Screw	Repl. Dial Key	Tool No.
120mm	2.8 to 3.6	12x2	20mm	67020	5011	EZ120-24-20
120mm	2.8 to 3.6	12x2	15mm, 22mm & 3/4"	67021	5011	EZ120-24-22 ** +

* Includes bushing part #BEZ-01 from 22mm to 3/4"

** Fits additional machines: Casolin Astra Top, Casadei Shark & Lazzari.

+ Chamfered dial for SCM machine. #BEZ-015 from 22mm to 15mm.

Replacement Parts:

Saw Blades

120mm	12x2	REZ120
-------	------	---------------

Re-Sharpener Adapter

For 100mm	EZA-08
For 120mm and 125mm	EZA-10

Spring

For 100mm	EZA-12
For 120mm and 125mm	EZA-14

Replacement screws for blade hub #67022.

Replacement key for blade hub #5007.

Replacement pins #SSP-005.



Re-Sharpener Adapter
#EZA-08 for 100mm



Re-Sharpener Adapter
#EZA-10 for 120mm and 125mm



Panel Sizing/Scoring



Scoring Particleboard
& Double Sided Laminate

EZ DIAL™
SCORING SET
SHIM-FREE
& ADJUSTABLE

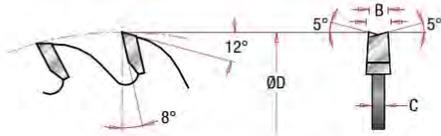
* P.H. denotes pin-hole configuration, if applicable.

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

▲ **Warning:** Before use, read saw blade safety guidelines on pages 336-338.

CONICAL TYPE SCORING

8° Hook • Conical ATB Grind



Scoring Particleboard & Double Sided Laminate

This conical-type scoring blade is similar to the DITEC™ scoring blade, but features our standard carbide tips. Match the kerf width of your main blade by adjusting the scoring blade's cutting depth. Range typically is 1mm (for example, from 4.4mm to 5.4mm). Select a scoring blade with a range matching your main blade's kerf width. Use in combination only with our '7' series industrial saw blades (#714721, etc.). Use also in combination with the new DITEC™ panel saw blades.

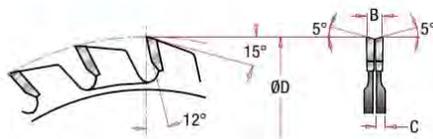
ØD mm	Teeth	Grind	'B' Kerf Range		'C' Plate		Bore mm	Machine Application	Tool No.
			mm	Inches	mm	Inches			
100	20	ATB	3.2 to 4.2	.125 to .165	2.2	.086	20	Various	SS100T20
120	24	ATB	3.2 to 4.2	.125 to .165	2.2	.086	20	Various	SS120T20
150	24	ATB	4.0 to 5.0	.157 to .196	2.8	.110	20	Various	SS150T24

Note: Due to many different scoring machine sizes (particularly arbor sizes), it is advisable to measure both the scoring and main blades that are presently on your machine (diameter, bore, kerf, etc.).

Note: Standard bore is 20mm. Other kerf sizes available, please inquire.

ADJUSTABLE TYPE SCORING SETS

12° Hook • ATB Grind



Scoring Particleboard & Double Sided Laminate

Used on panel saws and sliding table saws with separate scoring units for chip-free cuts on both sides of the material. Adjustable scoring sets consist of two 12-tooth saw blades with shims to adjust the kerf width (2.8mm to 3.6mm). Used in combination with our industrial saw blades '6' series only. (Example: #614721, #616961, etc.).

ØD mm	Teeth	Grind	'B' Kerf Range		'C' Plate		Bore mm	Machine Application	Tool No.
			mm	Inches	mm	Inches			
100	12x2	ATB	2.8 to 3.6	.110 to .142	2(x2)	.078(x2)	*22	Altendorf®, Delta®, Martin, Mrozek, Panhans	SS100T14
120	12x2	ATB	2.8 to 3.6	.110 to .142	2(x2)	.078(x2)	20	SCMI®	SS120T12
120	12x2	ATB	2.8 to 3.6	.110 to .142	2(x2)	.078(x2)	*22	Altendorf®, Martin, Mrozek	SS120T14

Note: Due to many different scoring machine sizes (particularly arbor sizes), it is advisable to measure both the scoring and main blades that are presently on your machine (diameter, bore, kerf, etc.).

* Adjustable scoring sets with 22mm bore can be converted to either 3/4" bore by ordering two each #BU-130 bushings, or to 20mm bore by ordering two each #BU-140 bushings.

8-piece shim set #SHIM-SET (3pcs 0.5mm, 2pcs 0.15mm and 3pcs 0.20mm). Will fit 20mm or 22mm scoring sets.

* 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 336-338.

INDUSTRIAL SAW BLADES

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DITEC™ DYNAMIC PANEL SAWING

TCG (Triple Chip Grind) • Extended Life



Balanced
G 6.3

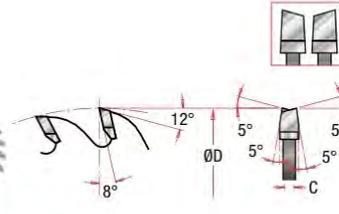
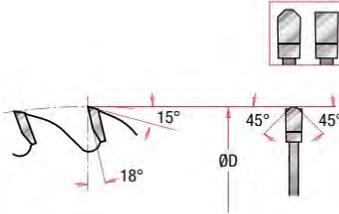


Dynamic
Straightness



Pressure

Saw blades are dynamically balanced. This ensures saw blade stability and a clean cut. Unique, long-life saw blades made for cutting chipboard and plywood with/without coating. DITEC™ saw blades provide maximum performance and longer tool life. We use fine micro-grain carbide tips, which means less wear and tear, while still giving you super sharp cutting edges, saving you money in re-sharpening.



Main Saw for Panel Sizing Laminated Boards

Machine Style	ØD mm	Teeth Count	Kerf/Plate mm	Bore mm	*P.H.	Tool No.
Gabbiani	380	60	4.4/3.2	60	4/9/100	DT380T601-60
	400	60	4.4/3.2	80	4/9/100, 2/7/110	DT400T601-80
	500	72	4.8/3.5	80	2/8/110 & 2/10/130	DT500T721-80A
Giben	500	72	5.0/3.5	75	—	DT500T721-75B
Giben Trend	355	72	4.4/3.2	75	—	DT355T721-75
Giben Trend	400	60	4.4/3.2	75	4/15/105	DT400T601-75
Holz-Her®	220	64	3.0/2.2	30	2/7/42	DT220T641
Holzma	355	72	4.4/3.2	60	2/14/100	DT355T721-60
	380	60	4.4/3.2	60	4/9/100, 2/14/100	DT380T601-60
	420	72	4.8/3.5	60	—	DT420T721-60A
	540	72	4.8/3.5	60	2/11/115, 2/19/120	DT540T721-60
Mayer	355	72	4.4/3.0	30	2/7/42, 2/10/60	DT355T721-30
Panhans	355	72	4.4/3.0	30	2/7/42, 2/10/60	DT355T721-30
Various						

Scorer for Panel Sizing

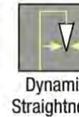
ØD mm	Teeth Count	Fits Main Saw Kerf	Bore mm	*P.H.	Tool No.
					—
					—
					—
125	24	4.4/5.4	45	—	DT125T24-45
125	24	4.4/5.4	45	—	DT125T24-45
					—
180	30	4.4/5.4	45	—	DT180T30-45
200	36	4.4/5.4	65	4/9/110	DT200T36-65
					—
200	36	4.4/5.4	45	—	DT200T36-45
					—
200	36	5.8/6.8	45	—	DT200T36-45B



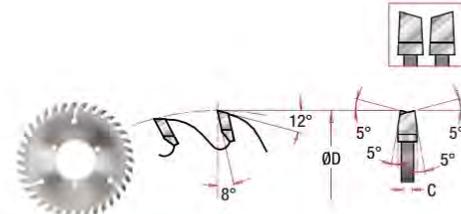
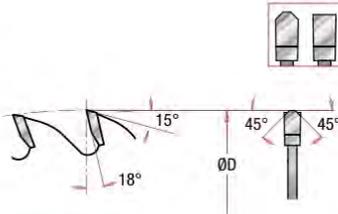
* P.H. denotes pin-hole configuration, if applicable.

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

▲ **Warning:** Before use, read saw blade safety guidelines on pages 336-338.



Saw blades are dynamically balanced. This ensures saw blade stability and a clean cut. Unique, long-life saw blades made for cutting chipboard and plywood with/without coating. DITEC™ saw blades provide maximum performance and longer tool life. We use fine micro-grain carbide tips, which means less wear and tear, while still giving you super sharp cutting edges, saving you money in re-sharpening.



Main Saw for Panel Sizing Laminated Boards

Machine Style	ØD mm	Teeth Count	Kerf/Plate mm	Bore mm	*P.H.	Tool No.
Prismatic No.1	400	72	4.4/3.2	75	4/15/105	DT400T721-75
Prismatic No.2	430	96	4.4/3.2	75	4/15/105	DT430T961-75
Prismatic No.2	430	96	4.4/3.2	50	3/15/80	DT430T961-50
Prismatic No.3	470	96	4.4/3.2	75	4/15/105	DT470T961-75
Prismatic No.3	500	72	4.8/3.5	75	—	DT500T721-75A
Schelling	350	72	4.4/3.2	30	2/7/42, 2/10/60	DT350T721-30
	355	72	4.4/3.2	30	2/7/42, 2/10/60	DT355T721-30
	550	72	5.0/3.5	40	—	DT550T721-40
Selco	430	72	4.4/3.2	80	4/19/120, 2/9/130	DT430T721-80
	450	72	4.4/3.2	80	4/19/120, 2/9/130	DT450T721-80
	450	72	4.8/3.5	80	4/19/120, 2/9/130	DT450T721-80A
Sigma65K	305	72	4.4/3.2	80	4/9/100	DT305T721-80
					2/14/110, 2/7/110	—
Sigma90	355	72	4.4/3.0	30	2/7/42, 2/10/60	DT355T721-30
Various	380	72	4.4/3.2	75	—	DT380T721-75
Various	450	72	4.8/3.5	80	—	DT450T721-80A
Various	480	72	4.8/3.5	80	4/19/120	DT480T721-80A
Various	550	72	5.0/3.5	40	—	DT550T721-40

Scorer for Panel Sizing

ØD mm	Teeth Count	Fits Main Saw Kerf	Bore mm	*P.H.	Tool No.
200	36	4.4/5.4	20	—	DT200T36-20
200	36	4.4/5.4	20	—	DT200T36-20
200	36	4.4/5.4	65	4/9/110	DT200T36-65
200	36	4.4/5.4	65	4/9/110	DT200T36-65

* 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 336-338.

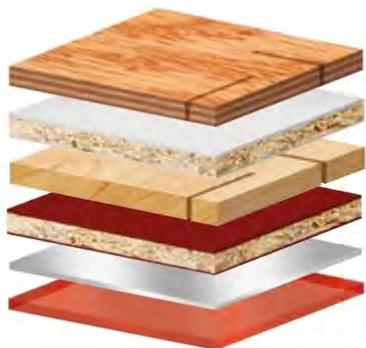


THE PRESTIGE SERIES

The Amana Tool® carbide tipped Prestige® saw blades cuts smoother and stays sharper, longer in solid wood, plywood, MDF, melamine, chipboard, aluminum and plastics.

- Large, Industrial Micrograin Carbide Tips
- Massive Tool-Steel Plate
- Oversized Tips for Multiple Resharpenering
- Plate Is Straightened, Balanced and Tensioned
- Laser Cut Expansion Slots Ensure Stability

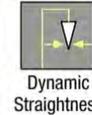
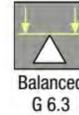
Prestige® blades
Starting on page 299



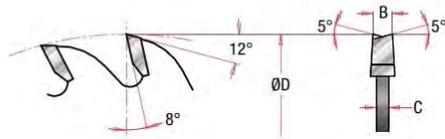


DITEC™ DYNAMIC CONICAL TYPE SCORING SAW

8° Hook Conical ATB Grind



Saw blades are dynamically balanced. This ensures saw blade stability and a clean cut. Unique, long-life saw blades made for cutting chipboard and plywood with/without coating. DITEC™ saw blades provide maximum performance and longer tool life. We use fine micro-grain carbide tips, which means less wear and tear, while still giving you super sharp cutting edges, saving you money in re-sharpening.



Used on panel saws with separate scoring units for chip-free cuts on both sides of the material. With conical type scoring blades, the kerf width changes with depth of penetration. Used in combination with our industrial saw blades '7' series only (#714721, etc.). Also used in combination with the DITEC™ series panel saw main blades on pages 322-323. Kerf range should match the main blade.



Machine Style	ØD mm	Teeth Count	'B' Kerf mm	'C' Plate mm	Bore	*P.H.	Tool No.
Giben	125	24	4.4 to 5.4	3.2	45mm	—	DT125T24-45
	180	30	5.2 to 6.2	3.5	55mm	—	DT180T30-55
	300	48	4.4 to 5.4	3.2	50mm	3/15/80	DT300T48-50
Holzma	175	28	4.4 to 5.4	3.2	45mm	—	DT175T28-45
	175	28	4.8 to 5.8	3.2	45mm	—	DT175T28-45A
	180	30	4.4 to 5.4	3.2	45mm	—	DT180T30-45
	200	36	4.4 to 5.4	3.2	45mm	—	DT200T36-45
Mayer	150	24	4.4 to 5.4	3.2	30mm	—	DT150T24-30
Schelling	200	36	4.4 to 5.4	3.2	20mm	—	DT200T36-20
	300	48	4.4 to 5.4	3.2	30mm	—	DT300T48-30
Selco	200	36	4.4 to 5.4	3.5	65mm	2/8/110 & 2/10/110	DT200T36-65
Various	200	36	5.8 to 6.6	3.5	45mm	—	DT200T36-45B

Note: Please specify if your application requires 22mm, 30mm, 45mm bore, etc. Due to many different scoring machine sizes (particularly arbor sizes), it is advisable to measure both the scoring and main blades that are presently on your machine (diameter, bore, kerf, etc.).

BUSHINGS & STABILIZERS available, see page 333.



* 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 336-338.

INDUSTRIAL

Super Fine

Chip-Free Dado Cuts



Veneered Plywood (Along & Across the Grain) Hardwood Melamine & Laminate



PRESTIGE™ SUPER FINE DADO SETS

For Solid Wood, Plywood & Laminated Material

With Six 4-Wing Chippers 1/4" to 29/32" • High ATB Grind

A stacking dado set is an ideal tool for cutting dados, grooves and tenons for strong mortise-and-tenon joinery. Our Prestige® Dado Set cuts perfectly smooth edges, flat-bottom cuts and grooves both along and across the grain that are free of splinters or rough edges. This dado set is part of the renowned Prestige® line of superior performance blades.

Features the latest in cutting tool technology including massive tool-steel plates and precision ground carbide teeth. The 8" diameter, 24-tooth outside plates feature high ATB grind geometry with every sixth tooth flat ground for efficient chip removal.

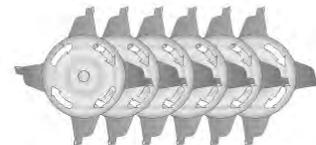
Set accommodates today's undersized plywoods.

Packed In A Handy Black Molded Carrying Case.

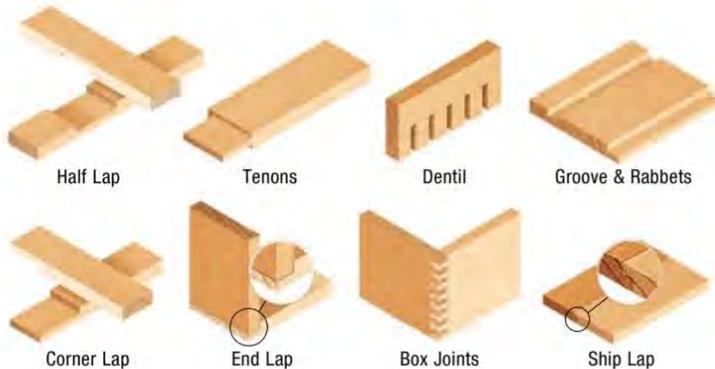
Each of the six interior chippers features four teeth and the standard width capacity is 1/4" through 29/32". Adjustments can be easily made in 1/32" increments and even finer adjustments, as small as .002" can be made by using the supplied shim set.



2 Outside 8" x 24T Blades



6 Carbide Tipped Four-Wing Chippers



Set Includes Shim Set for Fine Adjustments

Set Accommodates Undersized Plywood

ØD	Hook Angle	†Teeth	Chippers	Grind	Kerf Range	Bore	Tool No.
8	-10°	24	1/8(x4), 3/32(x1), 1/16(x1)	H-ATB	1/4 to 29/32	5/8	658060 **
8	-10°	24	1/8(x4), 3/32(x1), 1/16(x1)	H-ATB	1/4 to 29/32	1	658060-1

† Teeth refers to the number of teeth for each outside saw blade.

Note: Always use the outside blades. Never attempt to use the chippers without the outside blades.

** Ideal for SawStop machine.

* 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 336-338.

DADO SETS

For Melamine and Fine Plywoods

1/4" to 13/16" Groove, High ATB Grind

Dadoes (cross-grain cuts) and grooves (cuts with the grain) are cut efficiently on the table saw with a dado stack set producing a flat-bottom cut with chip-free edges.

The standard width capacity ranges from 1/4" to 13/16". Additional chippers may be purchased separately to expand the capacity beyond 13/16". The standard set consists of two outside saw blades and chippers.



Rated excellent by:



ØD	Hook Angle	*Teeth	Chippers Kerf	Chippers	Grind	Kerf Range	Bore	Plastic Molded Case	Tool No.
8	-5°	44	1/8(x4), 1/16(x1)	(5) 4 wings	H-ATB	1/4 to 13/16	5/8	Yes	658040 †**
8	-5°	44	1/8(x4), 1/16(x1)	(5) 4 wings	H-ATB	1/4 to 13/16	1	Yes	658040-1 †

† 8" x 44T set for super smooth cuts in cabinet grade plywoods and melamine.

* Teeth refers to the number of teeth for each outside saw blade.

** Ideal for SawStop machine.

DADO SETS

For Solid Wood and Plywood

1/4" to 13/16" Groove, ATB and FT Grind

Dadoes (cross-grain cuts) and grooves (cuts with the grain) are cut efficiently on the table saw with a dado stack set.

The standard width capacity ranges from 1/4" to 13/16". Additional chippers may be purchased separately to expand the capacity beyond 13/16". The standard set, regardless of diameter or tooth count, consists of two outside saw blades and chippers. The outside blades feature the alternate top bevel (ATB) grind with every sixth tooth flat ground (FT). See "Dado Combinations" chart below for additional components.



ØD	Hook Angle	*Teeth	Chippers Kerf	Chippers	Grind	Kerf Range	Bore	Plastic Molded Case	Tool No.
6	+15°	18	1/8(x4), 1/16(x1)	(5) 2 wings	ATB/FT	1/4 to 13/16	5/8	Yes	656030
8	-5°	12	1/4(x3)	(3) 2 wings	ATB/FT	1/4 to 13/16	5/8	Yes	658012 **
10	+15°	24	1/8(x4), 1/16(x1)	(5) 2 wings	ATB/FT	1/4 to 13/16	5/8	No	651030
10	+15°	24	1/8(x4)	(5) 2 wings	ATB/FT	1/4 to 13/16	1	No	651030-1
12	+15°	24	1/8(x4), 1/16(x1)	(5) 2 wings	ATB/FT	1/4 to 13/16	1	No	651230

* Teeth refers to the number of teeth for each outside saw blade.

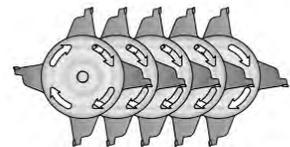
** Ideal for SawStop machine.

Dado Combinations

Max. Width of Groove	Number of Chippers required	
	1/16	1/8
13/16	1	4
1-1/16	1	6
1-9/16	1	10
2-1/16	1	14
3-1/16	1	22
4-1/16	1	30



5 Carbide Tipped Two-Wing Chippers



5 Carbide Tipped Four-Wing Chippers

* 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 336-338.



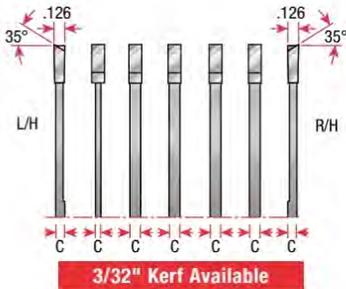
DADO SHIM SETS New

The perfect accessory for any dado set. Each set includes 13pcs each piece is etched with measurement and are made from stainless steel shims in various thicknesses for precise adjustment of your dado set. Especially useful when cutting plywood and other materials that are slightly under or oversized.

Bore	Tool No.
5/8	DSS-110
1	DSS-111
30mm	DSS-112
1-1/4	DSS-114

Each set includes the following:

Quantity Shims	Thickness		ØD
	Inch	mm	
5	0.002	0.08mm	60mm
4	0.004	0.10mm	60mm
2	0.010	0.40mm	60mm
2	0.020	0.50mm	60mm



INDIVIDUAL DADO SET COMPONENTS: DADO CHIPPERS

Flat Top (FT) Grind • Two Teeth Per Chipper

Amana Tool® has a full range of replacement parts for our dado sets, including chippers and outside blades. This allows you to replace damaged cutters and to expand the range of a standard set. These parts are manufactured to the same exacting standards as the full sets.

ØD	Bore	Order Number Chipper Thickness:	
		'C' 1/16	'C' 1/8
6	5/8	651660	651860
8	5/8	651680	651880
8	5/8	651680-AK †	651880-AK †
8	1	—	651880-1
10	5/8	651610	651810
10	1	—	651810-1

† 8" 'Anti-Kickback' chippers.



DADO OUTSIDE BLADES

ATB Grind

ØD	Bore	Teeth	Kerf	Order No.	Order No.
				L/H	R/H
8	5/8	24	.126	658010	—
8	1	24	.126	—	658010-1-R
8	5/8	46	.126	658020	658020-R
8	1	46	.126	658020-1	—
10	5/8	24	.126	651010	—
12	1	24	.126	651210	—

Note: Specify left or right hand blades. Although each outside saw blade is sold separately, it is recommended to buy one set of both blades so the O.D. matches.

GROOVERS

Flat Top (FT) Grind • 12° Hook Angle

Designed to cut 1/4" grooves in solid wood and plywood on table saws and sliding table saws.

ØD		Teeth	'B' Kerf	'C' Plate	Max	Bore	Tool No.
Inches	mm		Inches mm	Inches mm	RPM		
8	200	24	.250 6.35	.180 4.57	9,000	5/8	61365
10	250	24	.250 6.35	.180 4.57	7,600	5/8	61368



PLATE JOINTER

100mm

Designed with anti-kickback "fingers" that limit chip thickness to provide a safer cut without loss of cutting speed or quality. The blade fits most brands and models of plate jointers, including Lamello, Virutex, Freud, Kaiser, Elu, and DeWalt and other makes of plate-jointer machines. Packaged in a re-usable protective foam sleeve.

ØD	Teeth	Kerf	Bore	Tool No.
100mm	6	4mm	22mm	LAM400T6*

* Not for Porter Cable® 557



PCD LAMELLO JOINTS CUTTER New

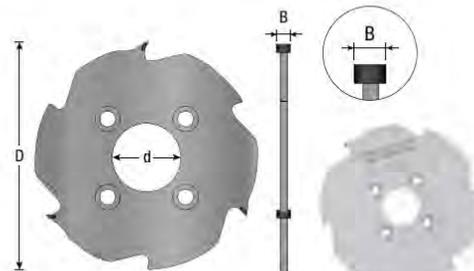
Diamond Tipped • 3 Teeth

To be used hand Jointer machines. Manual Feed.
For Lamello Clamex S Classic Biscuit joints. To be used on Lamello Zeta, Top 20, Top 21, Classic X. To be used both in CNC machines and Zeta P2 hand power tool
Recommended for grooving corner and longitudinal joints on hardwoods, veneered and laminated MDF.



ØD	Teeth	Ød	B (Kerf)	Pinholes	3/4" CNC Adapter	Tool No.
100.4mm	3	22mm	5/32	4/4/36	47656	LAM100T3-22PCD

▲ Warning: Maximum RPM=15,000



PCD LAMELLO JOINTS CLAMEX P CUTTER

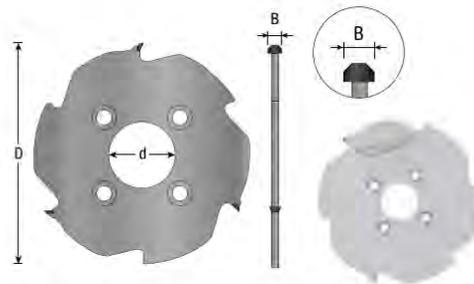
Diamond Tipped • 3 & 6 Teeth

To be used both in CNC machines and Zeta P2 hand power tool (29mm bore). Use adapter for CNC use.
Recommended for grooving corner and longitudinal joints on hardwoods, veneered and laminated MDF with the P system anchorage. Suitable for making furniture.



ØD	Teeth	Ød	B (Kerf)	Pinholes	3/4" CNC Adapter	Tool No.
100.4mm	3	22mm	7mm (9/32)	4/4/36	47656	LAM100T3-PCD
100.4mm	3	30mm	7mm (9/32)	4/6/48	47654	LAM100T3-30PCD New
100.4mm	6	30mm	7mm (9/32)	4/6/48	47654	LAM100T6-30PCD New

▲ Warning: Maximum RPM=15,000



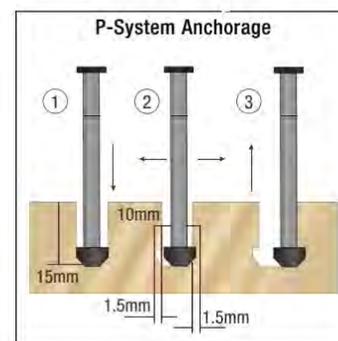
CNC ARBOR FOR LAMELLO New

Use with Lamello Joints Cutter Blades

To be used both with our item LAM100T3-PCD, LAM100T3-30PCD & LAM100T6-30PCD (Lamello Clamex-P) and with any circular saw blades up to 200mm diameter.



ØD	ØD1	Ød	L	Pinholes	For Use With	Tool No.
60mm	22mm	3/4	90mm	4/4/36	LAM100T3-PCD & LAM100T3-22PCD	47656
60mm	30mm	3/4	90mm	4/6/48	LAM100T30-PCD & LAM100T6-30PCD	47654



▲ Warning: Before use, read saw blade safety guidelines on pages 336-338.

INDUSTRIAL



ACM

Aluminum Composite Material
Saw Blades

ACM ADJUSTABLE WIDTH DOUBLE EDGE V-SCORING SAW BLADE SET

Carbide Tipped • V-Groove with 2.0 (0.080") - 3.0mm (0.118") V-Flat Bottom

For 60°, 90°, 108° & 135° Folds

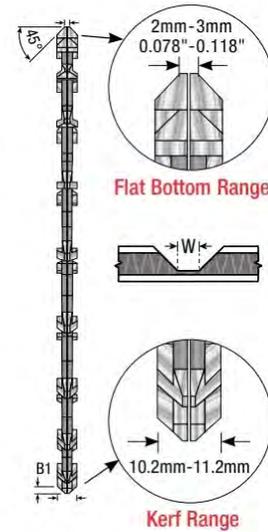
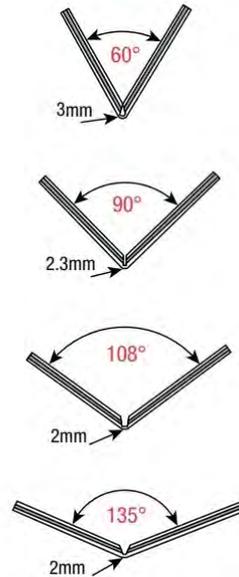
Designed for scoring Aluminum Composite (sandwich) Materials with 60°, 90°, 108° and 135° angle V-grooves with flat bottom. Set contains two saw blades and a shim set. Add the shims between the blades to achieve your desired flat bottom cut width. Widely used for cladding many diverse exterior and interior applications. The long lasting durability of the material makes it an excellent choice for buildings, signage, displays, etc.

Excellent for Scoring:

- Aluminum, Clay, Zinc & Wood Composite Panels
- Aluminum Composite Material (ACM)
- Aluminum Composite Panel (ACP)
- ALPOLIC® Copper Composite Material (CCM)
- Alucobond®
- Alupanel®
- Dibond®
- Durabond
- e-panel™
- Etabond®
- TCM
- Trespa®



No Shim With Shims (included)



ØD	Teeth	Hook Angle	Angle	B1	Grind	B=Kerf Range	W=Flat Bottom Range	Bore	Tool No.
8	2x20	18°	45°	0.161"	ACM	10.2-11.2mm	2.0-3.0mm / 0.078-0.118"	5/8	508400

Shim set #DSS-108 & instruction booklet included.

- ▲ **Warning:** This set requires a custom zero clearance throat plate.
- ▲ **Warning:** Not to be used with portable saws.



ACM Router Bits
See pages 10-11

▲ **Warning:** Before use, read saw blade safety guidelines on pages 336-338.



ACM 90° DOUBLE EDGE V-SCORING SAW BLADE

With Replaceable Carbide Insert Knives

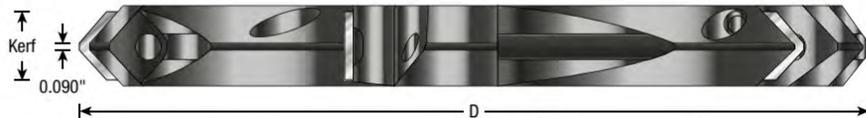
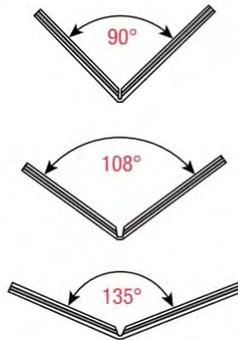


For 90°, 108° & 135° Folds

Designed for scoring Aluminum Composite (sandwich) Materials with 90° angle V-groove with flat bottom. Widely used for cladding many diverse exterior and interior applications. The long lasting durability of the material makes it an excellent choice for buildings, signage, displays, etc. Utilizes 4-sided carbide inserts.

For Scoring Aluminum Composite Materials Including:

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



ØD	Teeth	Angle	Kerf	Flat Bottom Width	Bore	Repl. Knife	Repl. Knife	Tool No.
6	5	90°	25/64	0.090"	5/8	—	RCK-48	RC-4304
7-1/4	5	90°	37/64	0.090"	5/8	RCK-47	—	RC-4300

Replacement parts: Screw #67115 (5); Torx® key #5005 (included).

▲ Warning: This set requires a custom zero clearance throat plate. Not to be used with portable saws.

▲ Warning: Before use, read saw blade safety guidelines on pages 336-338.

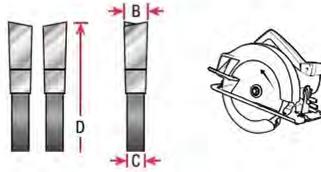
INDUSTRIAL SAW BLADES



Combination
Rip/Crosscut

GENERAL PURPOSE

Alternate Top Bevel (ATB) Grind • Positive Hook



This carbide-tipped trim-saw blade is the ideal upgrade (or replacement blade) for Makita and other brands of portable trim saws. The alternate top bevel grind ensures high-quality crosscuts in solid wood and sizing cuts in plywood.

ØD	Teeth	'B' Kerf	'C' Plate	Bore	Tool No.
5-3/8 / 5-1/2	30	.072	.052	5/8 **	RM-550

** Fits Makita 5-1/2" saw and others.

Comes with two adapter bushings, one for 1/2" arbor and one for 10mm arbor.

Replacement bushing: #BU-110 (5/8 x 1/2), #BU-125 (5/8 x 10mm).

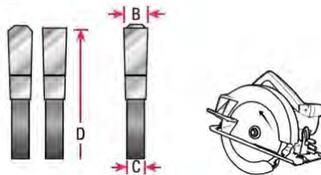
BUSHINGS & STABILIZERS available, see next page.



Acrylic & Non-Melt Plastic

PLYWOOD & PLASTIC CUTTING

Triple Chip (TC) Grind • Positive Hook



This blade produces quality cuts when sizing plywood and other sheet goods with a portable circular saw. The blade can also be used for cutting plastics.

ØD	Teeth	'B' Kerf	'C' Plate	Bore	Tool No.
7-1/4	40	.120	.078	5/8 ♦	PC-620

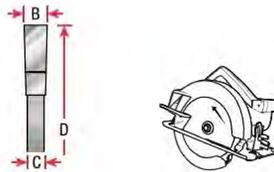
♦ Denotes 5/8" arbor with diamond knock-out.



Demolition
Emergency

NAIL-CUTTING & DEMOLITION

Flat Top (FT) Grind • 5° Negative Hook



This blade is designed especially for renovation and demolition work, where contact with nails, screws, and similar debris has to be expected. The blade is configured – low tooth count and flat-top grind – for ripping. A negative hook angle and strong shoulder design to help prevent the blade's carbide tips of breaking off upon impact against a hidden nail.

ØD	Teeth	'B' Kerf	'C' Plate	Bore	Tool No.
7-1/4	14	.120	.078	5/8 ♦	NC-820

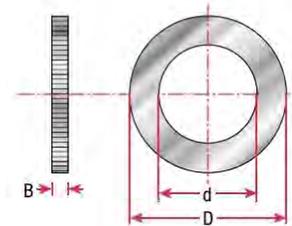
♦ Denotes 5/8" arbor with diamond knock-out.

HIGH PRECISION SAW BLADE BORE REDUCTION BUSHINGS

Made in Germany

ØD	Ød	B	Tool No.
5/8	10mm	.053	BU-125
5/8	1/2	.060	BU-110
3/4	5/8	.062	BU-150
20mm	3/8	.060	BU-120
20mm	10mm	.038	BU-121
20mm	1/2	.062	BU-123
20mm	5/8	.062	BU-124
22mm	3/4	.062	BU-130
22mm	20mm	.070	BU-140
1	5/8	.086	BU-100
1	7/8	.097	BU-225
1	7/8	.110	BU-250
1	3/4	.075	BU-200
1	20mm	.097	BU-122
1-1/8	1	.086	BU-300
1-1/4	1	.086	BU-400
1-1/4	1-1/8	.075	BU-500
1-1/4	30mm	.086	BU-450
30mm	5/8	.070	BU-515
30mm	3/4	.070	BU-520
30mm	25mm	.070	BU-530
30mm	1	.070	BU-525

Note: Most saw blade bushings have serrations on the outside diameter edge to provide a better grip and fit.

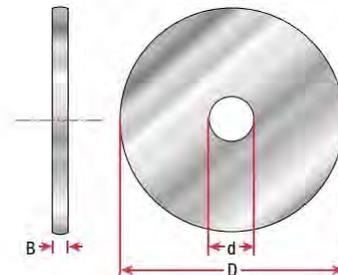
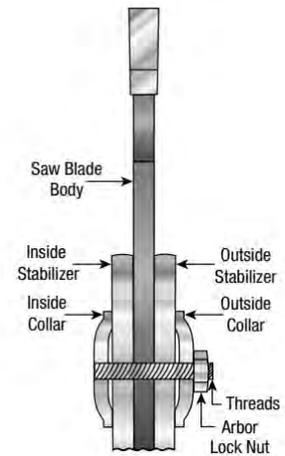


SAW BLADE STABILIZER / STIFFENER

The purpose of blade stabilizers is to increase the overall stiffness of the saw blade, thus reducing vibration. Reduction in vibration improves cut quality and dampens noise. Stabilizers are particularly beneficial when used with thin-kerf blades. Amana Tool® stabilizers are made from the steel used for our Industrial Series saw blades. The steel is ground (not stamped), and it is extremely flat on both sides to reduce run-out and vibration. Please note that depth of cut will be reduced slightly and interference between the stabilizers and the table insert may occur. You may use one or two stabilizers, depending on the application and arbor length.

Each order number consists of one pair.

ØD	Ød	B	Use With Saw Blade		Tool No.
			Diameter(s)		
4	5/8	.098 (x2)	8 to 12		STF-4
4	30mm	.100 (x2)	8 to 12		STF-4-30
6	1	.100 (x2)	14 to 20		STF-6



Warning: Before use, read saw blade safety guidelines on pages 336-338.

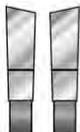
GENERAL INFORMATION

1. TOOTH CONFIGURATIONS



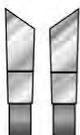
Flat Top (FT)

Used on saw blades for cutting soft and hardwood along the grain (ripping).



Alternate Top Bevel (ATB)

Alternate right top bevel and left top bevel. Used on saw blades for general purpose and crosscutting natural wood and veneered plywood.



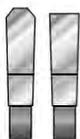
Alternate Top Bevel Modified (H-ATB)

Higher top bevel grind and longer tooth than our standard alternate top bevel. Used on 'MB' and 'MSB' Series blades and are specifically designed for cutting melamine chip-free on table saws without the aid of scoring units.



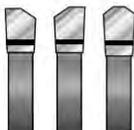
Combination Tooth (4 + 1)

Groups of four alternate top bevel and one flat ground tooth, divided by large gullets in the saw plate. Used on combination blades for general purpose wood applications.



Triple Chip (TCG)

Alternate flat raker tooth and higher trapeze tooth divides the chips to achieve cuts in hard materials, MDF, OSB and plastics. Also used on blades for cutting non-ferrous materials.



California Triple Chip (C-TCG)

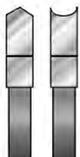
For use in miter saws in picture frame shops, window and door manufacturers or anywhere that miter machines are used.

Produces burr-free cuts in non-ferrous materials as well as splinter-free cuts in wood and wood-based products.



Cone Form (Conical)

Used on conical tooth scoring blades.



Hollow Ground (HG)

Hollow face grind is used for cutting melamine and other difficult to machine materials. Generally used on vertical panel saws (Striebig, etc.).

GENERAL INFORMATION

2. TOOTH ANGLES

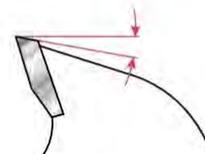
Hook (Rake) Angle 6° to 22°

Soft materials or rip blades require an angle of about 18° to 22°, hard materials about 6°. Saw blades for cutting aluminum and melamine have a negative hook angle.



Top Clearance Angle 12° to 15°

This angle changes according to the hardness of material; 12° for hard and 15° for softer materials.

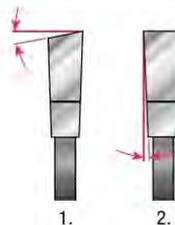


1. Top Bevel Angle 8° to 12°

Normally 10°, enabling gradual penetration into material.

2. Radial Side angle 1° to 2°

Allows clearance along the sides of the tooth.



3. GENERAL

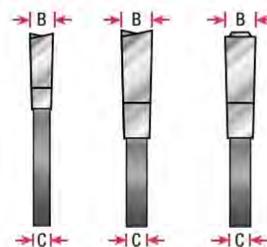
Kerf ('B')

Refers to the largest width of the saw tooth and is represented in decimals and/or millimeters.

Plate ('C')

Refers to the thickness of the steel saw body, on to which the carbide teeth are brazed. This dimension is represented in decimals and/or millimeters.

Note: Most industrial series saw plates are laser cut.

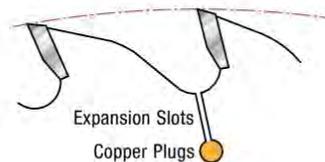


Expansion Slots

Allows the saw blade to expand and contract under load and heat and to prevent twisting or warpage.

Copper Plugs

Reduces the turbulent noise created by the saw blade while it is being operated.

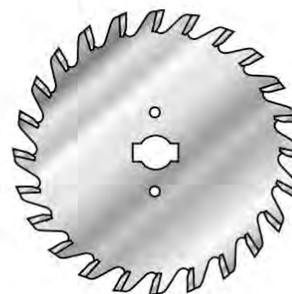


Bore, Pin-Holes, Keyways

Refers to the diameter of the arbor hole, pin-holes, keyways, etc., and is represented in fractions or millimeters.

Note: P.H. denotes pin-hole configuration, if applicable.

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



Safety Guidelines for saw blades



1. Always refer to your power tool owner's manual.



2. Always wear eye and ear protection during operation of power tools.



3. Disconnect the power tool from the power source before changing the saw blade.



4. Never cut stock freehand. Always use the fence or miter gauge to support the work-piece.



5. Keep your hands out of path of the saw blade.



6. Always feed the stock against the direction of the power tool rotation.



SAFETY GUIDELINES *For Saw Blades*



- 7.** Do not use a blade that is cracked or broken, has a chipped or missing tooth, or has been dropped or damaged.



- 8.** When mounting the saw blade, saw teeth must face the direction of power tool rotation.



- 9.** Make certain that the arbor nut is secure before starting the saw.



- 10.** Never exceed maximum RPM of the saw blade. Each blade may differ; please see blade stencil.



- 11.** Do not attempt to cut screws, nails, staples, concrete or other foreign materials. Use saw blade only for which it was intended.



- 12.** Never make adjustments to the saw while the blade is spinning.



- 13.** Use a splitter or riving knife to prevent kickback.



- 14.** Before starting the saw, adjust the saw blade height 1/8" above the work-piece.



15. Always use the guard that came with the saw.



16. Use a push stick to distance your hands from the blade when ripping narrow stock.



17. Allow saw to reach maximum RPM before starting the cut.



18. Make certain the work-piece is supported before starting the saw.



19. Never use fence(A) and the guide(B) at the same time. Do not force the blade into the cut. Use a feed rate that does not bog down the saw.



20. Use roller stands to support the large work-piece.



21. Have your saw blade professionally sharpened and inspected.



22. Keep the saw blade sharp and clean.

INDUSTRIAL Carbide Tipped • 3-Wing
Shaper Cutters



Max RPM

2-1/2" to 4" Dia. = 10,000 RPM

4-1/2" Dia. = 9,000 RPM

5-1/2" Dia. = 8,000 RPM

▲ Warning: See machine owner's manual for RPM guidelines.

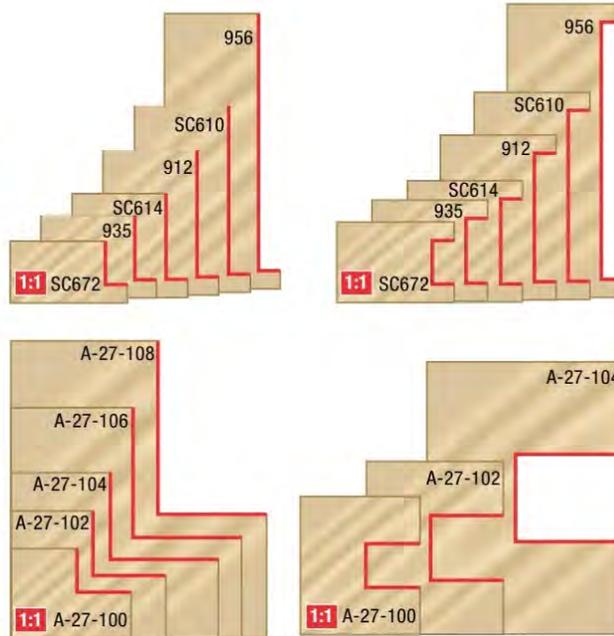
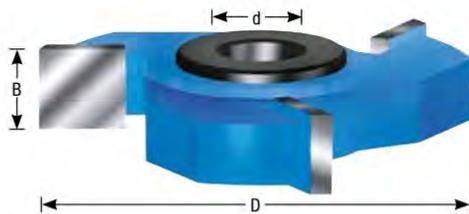
▲ Warning: Before use, read shaper cutter safety guidelines on page 383.



CARBIDE-TIPPED SHAPER CUTTERS

Over 250 different cutters for all your shaping needs. Extra-thick carbide tips offer many resharpenings and longer tool life. RPM rating: 12,000 and under. Cutters are furnished with either 1/2" 3/4" or 1-1/4" bore.

STRAIGHT EDGE



B	ØD	Ød	Tool No.
1/4	1-7/8	1/2 & 3/4	SC672
1/4	2-5/8	1/2 & 3/4	918 †
1/4	2-3/4	1/2 & 3/4	SC671
1/4	2-7/8	1/2 & 3/4	SC611
1/4	2-7/8	1 & 1-1/4	SC613
1/4	3-1/8	1/2 & 3/4	917
1/4	3-3/8	1 & 1-1/4	SC673
1/4	3-9/16	1 & 1-1/4	SC615
1/4	4	1-1/4	A-27-100
3/8	2-5/8	1/2 & 3/4	953 †
3/8	4	1-1/4	A-27-102
1/2	2	1/2	SC614
1/2	2-1/2	1/2 & 3/4	948
1/2	2-5/8	1/2 & 3/4	954
1/2	4	1-1/4	A-27-104
3/4	2-5/8	1/2 & 3/4	912
3/4	4	1-1/4	A-27-106
1	2	1/2	SC610
1	2-5/8	1/2 & 3/4	955
1	4	1-1/4	A-27-108
1-1/4	4	1-1/4	A-27-110
1-1/2	2-5/8	1/2 & 3/4	956
1-3/4	4	1-1/4	A-27-114
2	2-5/8	1/2 & 3/4	SC632
2	4	1-1/4	A-27-116

† Due to size, furnished with only one 1/2" x 3/4" bushing.

MIGHTY ADJUSTABLE SUPER-FINE DADO/GROOVER SET

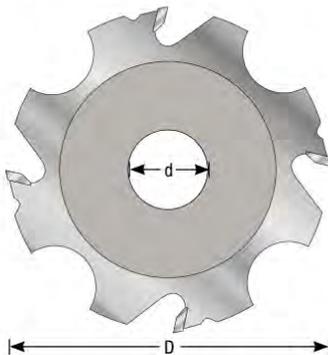
For Shapers • Accommodates Undersized Plywood • 4-Wing, ATB & FT Grind • 1/4" to 1"

These dado set cuts perfectly smooth edges, flat-bottom cuts and grooves both along and across the grain that are free of splinters or rough edges. This set consists of seven cutters made of a hard wearing steel tool body complete with four tungsten carbide tips. Ideal for producing different dado cuts, slots and rabbeting in softwood, hardwood and man-made boards on a shaper machine. Width can be adjusted as required using included shim set.

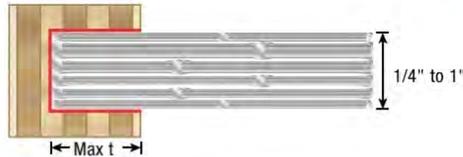


ØD	Hook Angle	Teeth	ATB Angle	Grind	Kerf Range	Ød	Groovers	RPM	Tool No.
4	-10°	4	15°	ATB	1/4 to 1	3/4	1/16, (2)1/8, 3/16, 1/4	6,100-10,500	61370*

* Includes shim set #67254.



61370



GROOVERS

4-Wing • FT Grind

ØD	Hook Angle	B	Teeth	Ød	Max t	RPM	Tool No.
4	15°	3/16	4	3/4	1-1/4	6,100-10,500	61376
4	15°	1/4	4	3/4	1-1/4	6,100-10,500	61378

MIGHTY DADO SHIM SET

The perfect accessory for the above dado/groover set. Each set includes 19 shims in various thicknesses for precise adjustments of your dado/groover set width. Especially useful when working with plywood and other materials that are slightly under or oversized.

Each Shim Set includes the following:

Quantity Shims	Color	Thickness		Ød	ØD
		Inch	mm		
8	Black	0.002	0.05	3/4	2-1/4
6	White	0.010	0.25	3/4	2-1/4
3	Clear	0.004	0.1	3/4	2-1/4

Each Mighty Adjustable Dado/Groover Set Includes:

Instruction Manual

With Dado Configurations Including Set-Ups for Undersized Plywood



Perfect for Crosscutting and Ripping These Materials:



Melamine/Laminate

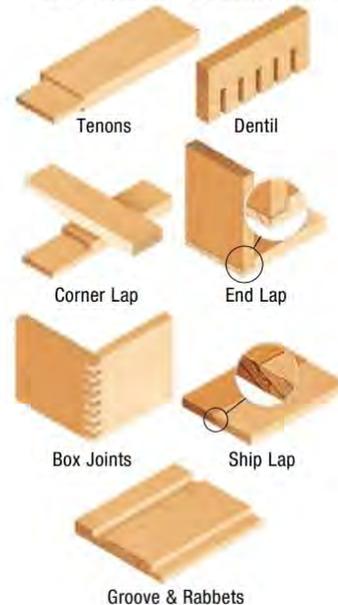


Veneered Plywood



Hardwood

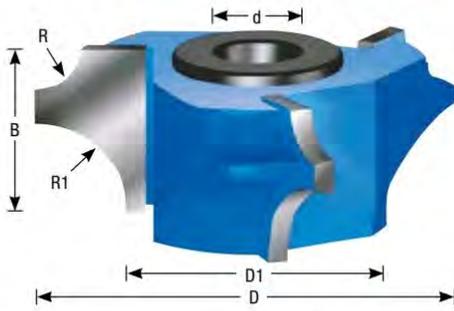
A stacking dado set is an ideal tool for cutting dados, grooves and tenons for strong mortise-and-tenon joinery.



*Rub collar for 1/2" arbor only! **Rub collar for 3/4" arbor only! ***Rub collar for 1-1/4" arbor only!

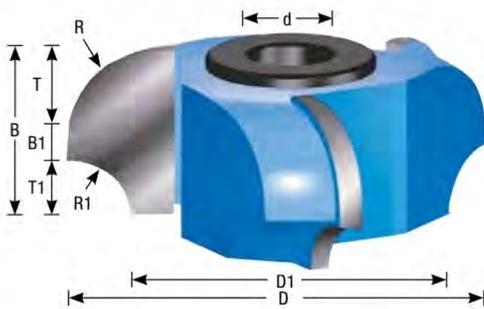
For rub collars & bushings, see pages 380-381.

CORNER ROUND



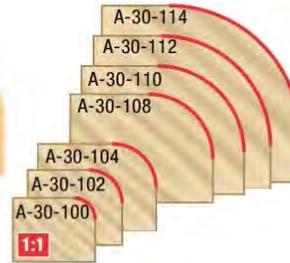
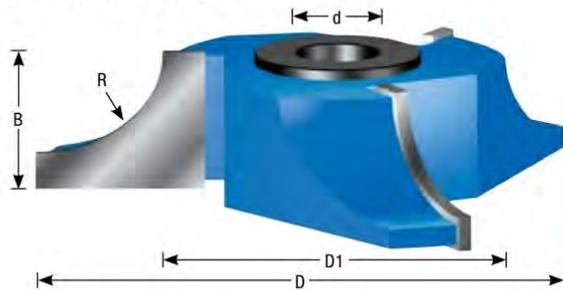
ØD	ØD1	B	R	R1	Ød	Rub Collar	Tool No.
2-5/8	1-5/8	15/16	1/4	1/2	1/2 & 3/4	C-005** C-011**	905

COVE & CORNER ROUND



ØD	ØD1	B	B1	T	T1	R	R1	Ød	Rub Collar	Tool No.
2-3/4	1-3/4	1-3/8	3/8	1/2	1/2	1/2	1/2	1/2 & 3/4	C-006**	SC410

CORNER ROUND



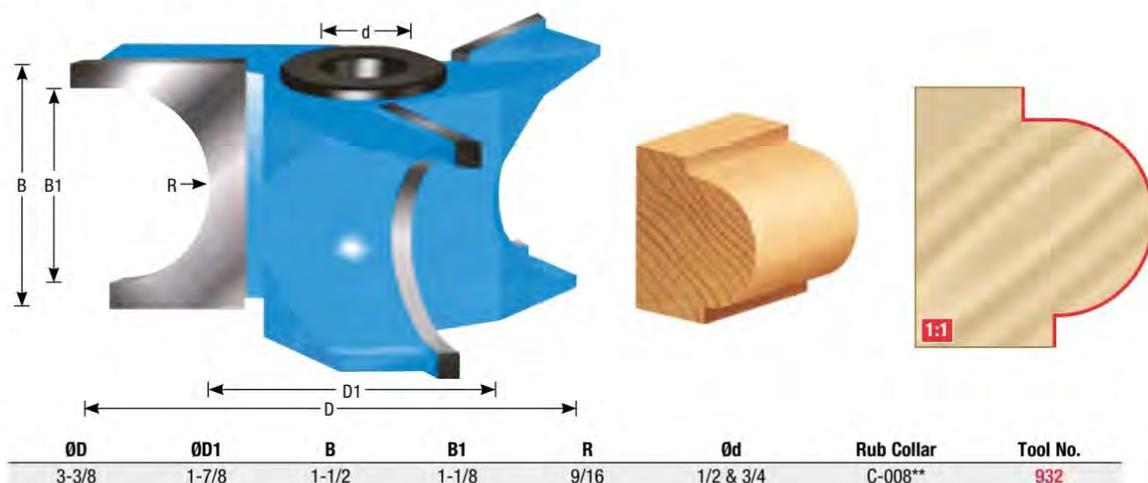
Counter-clockwise rotation: Wood face-down

Description	ØD	ØD1	R	B	Ød	Rub Collar	Tool No.
Corner Round	4	3-3/4	1/8	3/8	1-1/4	C-038	A-30-100
Corner Round	4	3-5/8	3/16	7/16	1-1/4	C-037	A-30-102
Corner Round	4	3-1/2	1/4	1/2	1-1/4	C-035	A-30-104
Corner Round	4	3-1/4	3/8	5/8	1-1/4	C-033	A-30-108
Corner Round	4	3	1/2	3/4	1-1/4	—	A-30-110
Drop Leaf-Bead	2-5/8	1-5/8	1/2	1	1/2 & 3/4	C-005**	SC636
Corner Round	4	2-3/4	5/8	7/8	1-1/4	C-031	A-30-112
Corner Round	3-5/8	2-1/8	3/4	1	1/2 & 3/4	C-011**	959
Corner Round	4	2-1/2	3/4	1	1-1/4	C-017	A-30-114
Corner Round	4-1/2	2-1/2	1	1-1/4	1-1/4	C-017	A-30-116
Corner Round	5	2-1/2	1-1/4	1-1/2	1-1/4	C-017	A-30-118

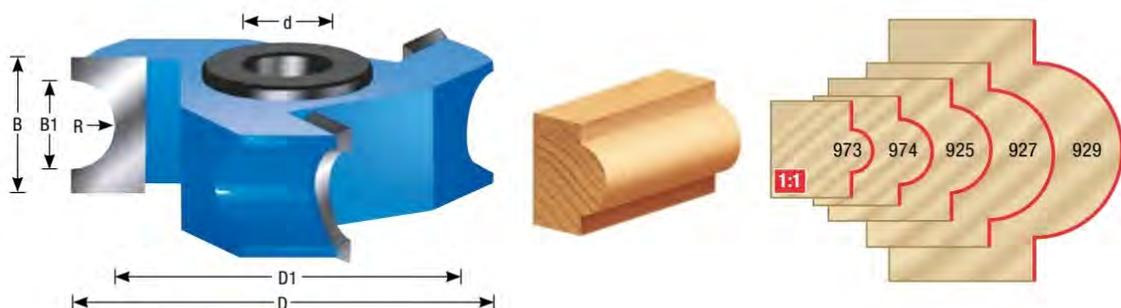
Replacement 'T' bushing(s) for #959 & #SC636: #BU-550.

*Rub collar for 1/2" arbor only! **Rub collar for 3/4" arbor only! ***Rub collar for 1-1/4" arbor only!

STAIR TREAD NOSE



BULL NOSE



Description	ØD	ØD1	B	B1	R	Ød	Rub Collar	Tool No.
5/16 Bead	3	2-11/16	7/16	5/16	5/32	1/2 & 3/4	C-019 **	SC424
1/4 Bead	4	3-3/4	1/2	1/4	1/8	1-1/4	C-038	A-29-100
1/4 Bead	2-5/8	2-3/8	9/16	1/4	1/8	1/2 & 3/4	—	973 †
3/8 Bead	2-5/8	2-1/4	5/8	3/8	3/16	1/2 & 3/4	C-025 **	974
3/8 Bead	4	3-5/8	11/16	3/8	3/16	1-1/4	C-037	A-29-102
1/2 Bead	2-5/8	2-1/8	13/16	1/2	1/4	1/2 & 3/4	C-011 **	925
1/2 Bead	4	3-1/2	13/16	1/2	1/4	1-1/4	C-035	A-29-104
5/8 Bead	2-5/8	2	15/16	5/8	5/16	1/2 & 3/4	C-010 **	923
3/4 Bead	2-5/8	1-7/8	1-1/16	3/4	3/8	1/2 & 3/4	C-008 **	927
3/4 Bead	4	3-1/4	1-1/8	3/4	3/8	1-1/4	C-033	A-29-106
1 Bead	4	3	1-5/16	1	1/2	1-1/4	—	A-29-108
1 Bead	2-5/8	1-5/8	1-1/2	1	1/2	1/2 & 3/4	C-005 **	929
1-1/8 Bead	3-7/8	2-3/8	1-1/2	1-1/8	9/16	1-1/4	C-020	A-29-109
1-1/4 Bead	3-9/16	2-5/16	1-5/8	1-1/4	5/8	1 & 1-1/4	—	SC570
1-1/2 Bead	3-13/16	2-5/16	2	1-1/2	3/4	1 & 1-1/4	—	SC572
2 Bead	4-5/16	2-5/16	2-1/2	2	1	1 & 1-1/4	—	SC574

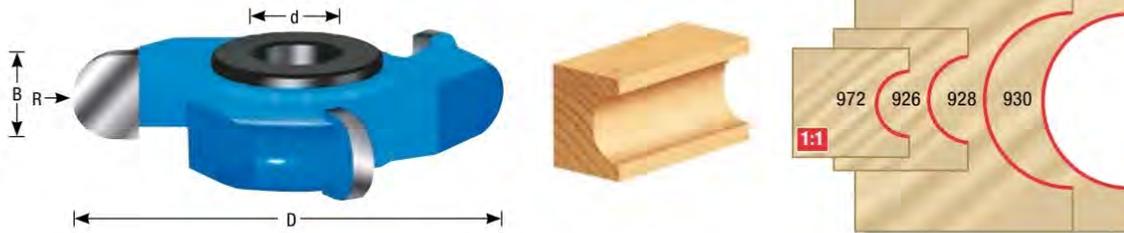
† Due to size, furnished with only one 1/2" x 3/4" bushing.

*Rub collar for 1/2" arbor only! **Rub collar for 3/4" arbor only! ***Rub collar for 1-1/4" arbor only!

For rub collars & bushings, see pages 380-381.

INDUSTRIAL SHAPER CUTTERS

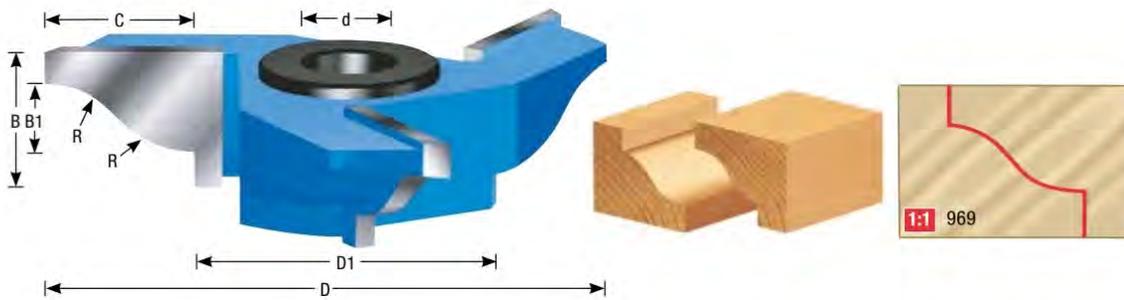
FLUTE (CONVEX)



Description	ØD	B	R	Ød	Rub Collar	Tool No.
1/4 Flute	4	1/4	1/8	1-1/4	C-038	A-28-100
3/8 Flute	2-5/8	3/8	3/16	1/2 & 3/4	C-025**	972 †
1/2 Flute	2-5/8	1/2	1/4	1/2 & 3/4	C-011**	926
1/2 Flute	4	1/2	1/4	1-1/4	C-035	A-28-104
3/4 Flute	2-5/8	3/4	3/8	1/2 & 3/4	C-008**	928
3/4 Flute	4	3/4	3/8	1-1/4	C-033	A-28-106
1 Flute	2-5/8	1	1/2	1/2 & 3/4	C-005**	930
1 Flute	4	1	1/2	1-1/4	—	A-28-108
1-1/4 Flute	3-1/4	1-1/4	5/8	1 & 1-1/4	C-050***	SC532
1-1/2 Flute	3-1/2	1-1/2	3/4	1 & 1-1/4	C-050***	SC534
2 Flute	4	2	1	1 & 1-1/4	C-050***	SC536

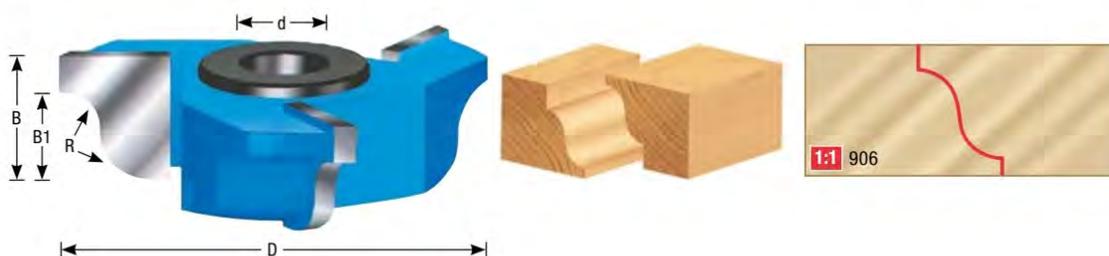
† Due to size, furnished with only one 1/2" x 3/4" bushing.

MATCHED/REVERSIBLE OGEE



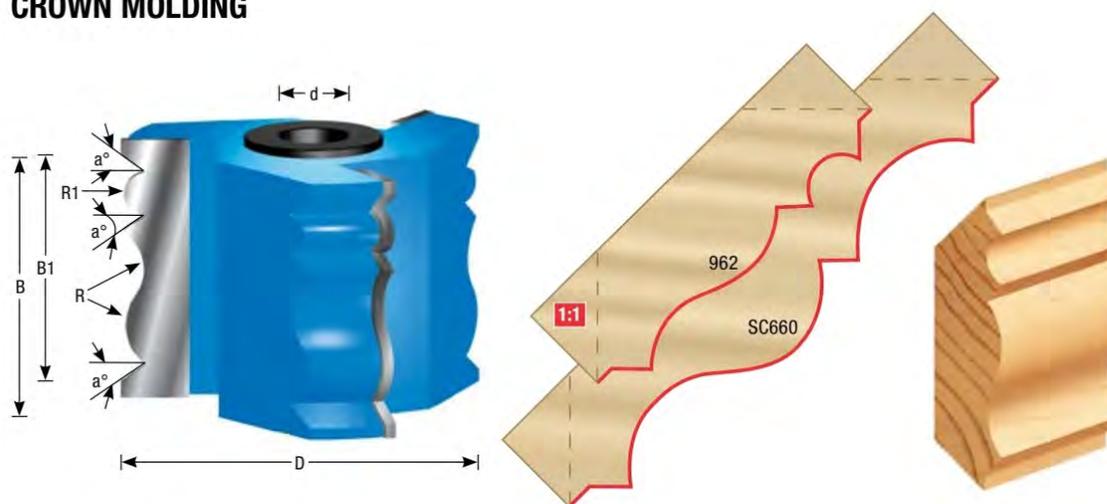
ØD	ØD1	B	B1	C	R	Ød	Rub Collar	Tool No.
3-1/4	1-3/4	7/8	3/8	3/4	1/2	1/2 & 3/4	C-006**	969

MATCHED/REVERSIBLE OGEE



ØD	B	B1	R	Ød	Rub Collar	Tool No.
2-5/8	3/4	1/2	1/4	1/2 & 3/4	C-005**	906

CROWN MOLDING



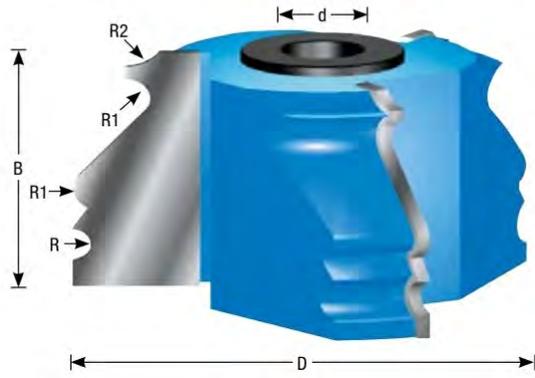
ØD	B	B1	a°	R	R1	Ød	Rub Collar	Tool No.
2-3/4	2-1/4	2	45°	1/2	3/16	1/2 & 3/4	C-027**	962
3-1/2	3-1/2	3-1/4	45°	9/16	1/2	1 & 1-1/4	—	SC660

*Rub collar for 1/2" arbor only! **Rub collar for 3/4" arbor only! ***Rub collar for 1-1/4" arbor only!

For rub collars & bushings, see pages 380-381.

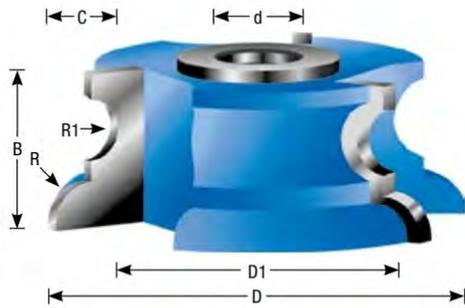
INDUSTRIAL SHAPER CUTTERS

MOLDING



ØD	B	R	R1	R2	Ød	Rub Collar	Tool No.
3	1-3/4	1/8	5/32	1/4	1/2 & 3/4	C-010**	966

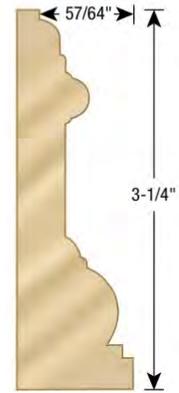
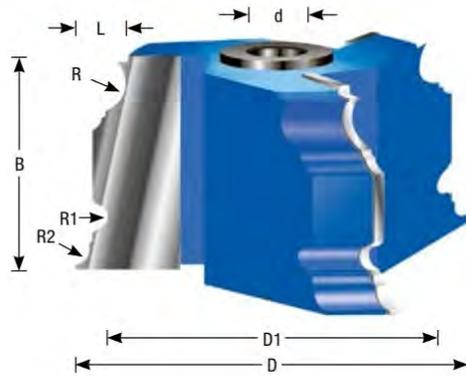
MOLDING



ØD	ØD1	B	C	R	R1	Ød	Rub Collar	Tool No.
2-5/8	1-3/4	15/16	7/16	1/4	3/16	1/2 & 3/4	C-006**	SC630

BASE MOLDING

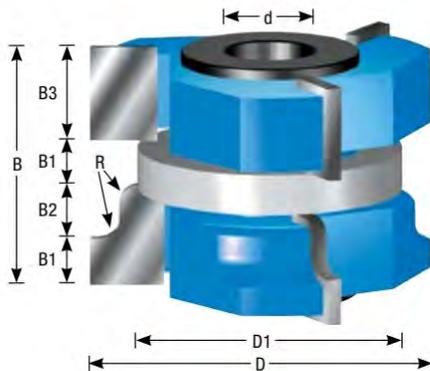
3-Wing



ØD	ØD1	B	R	R1	R2	L	Ød	Rub Collar	Tool No.
4-9/16	2-13/16	3-5/16	29/64	3/16	7/32	7/8	1 & 1-1/4	C-040***	SC668 <i>New</i>

WINDOW SASH

With Ball Bearing Rub Collar



For this profile, use bottom cutter and rub collar only.



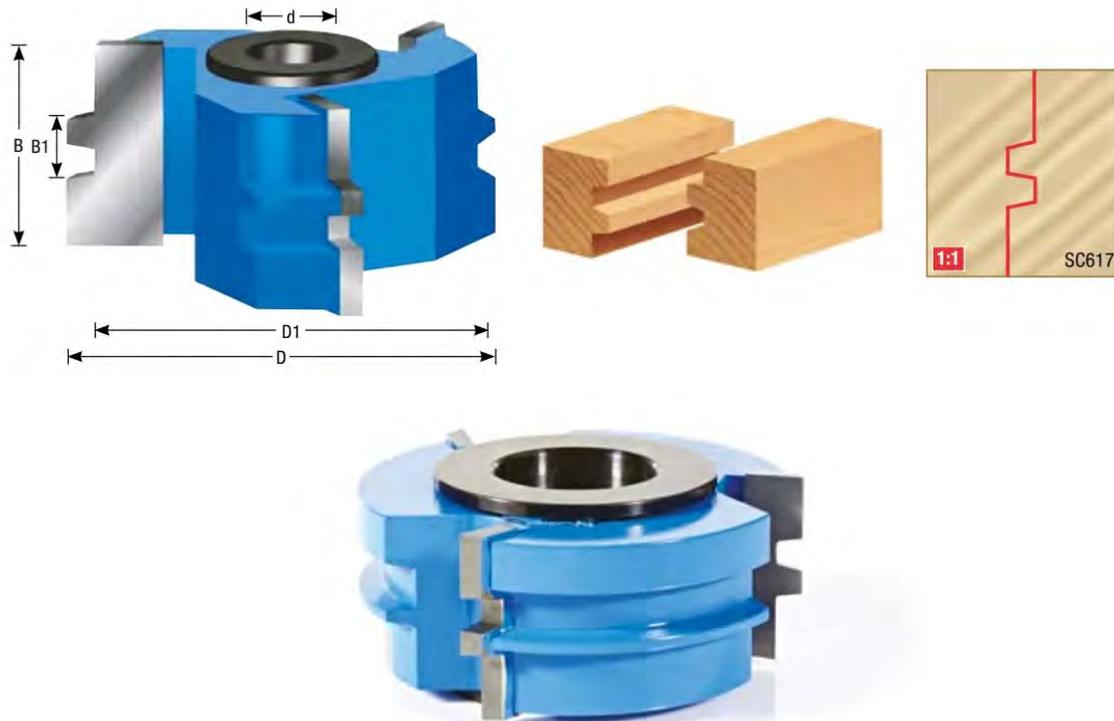
ØD	ØD1	B	B1	B2	B3	R	Ød	Rub Collar	Tool No.
2	1.457	1-5/8	5/16	3/8	5/8	1/4	1/2 & 3/4	—	939

*Rub collar for 1/2" arbor only! **Rub collar for 3/4" arbor only! ***Rub collar for 1-1/4" arbor only!

For rub collars & bushings, see pages 380-381.

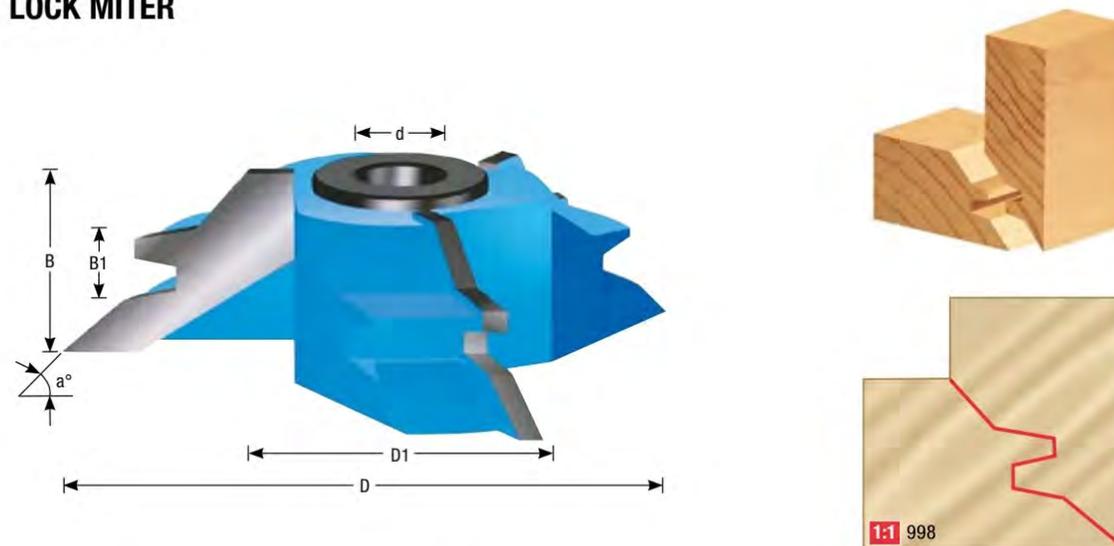
INDUSTRIAL SHAPER CUTTERS

GLUE JOINT



ØD	ØD1	B	B1	Ød	Rub Collar	Tool No.
2-5/8	2-1/4	1-3/16	3/8	1/2 & 3/4	C-025**	911
2-13/16	2-1/2	1-3/16	3/8	1 & 1-1/4	C-017***	SC617

LOCK MITER

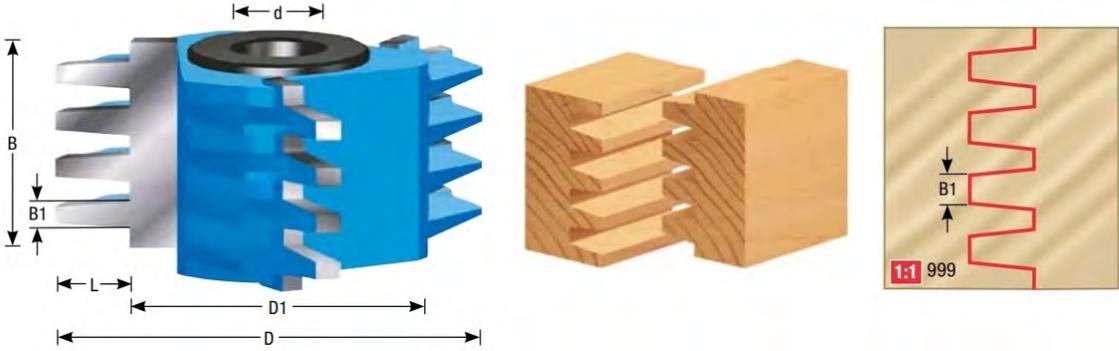


ØD	ØD1	B	B1	a°	Ød	Rub Collar	Tool No.
3-3/4	2	1	3/8	45°	1/2 & 3/4	C-006**	998
4-17/32	2-31/64	1	3/8	45°	1 & 1-1/4	C-017***	SC619

Replacement "T" bushing(s) #BU-550.

*Rub collar for 1/2" arbor only! **Rub collar for 3/4" arbor only! ***Rub collar for 1-1/4" arbor only!

FINGER JOINT



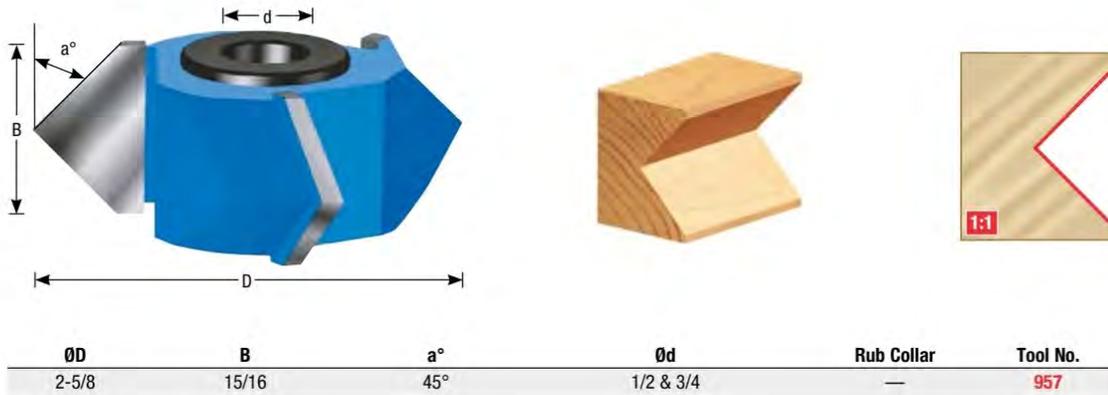
ØD	ØD1	B	B1	L	Ød	Rub Collar	Tool No.
2-7/8	2-1/8	1-1/2	11/32	3/8	1/2 & 3/4	C-011**	999
3	2-1/4	1-1/2	13/64	3/8	1 & 1-1/4	—	SC300



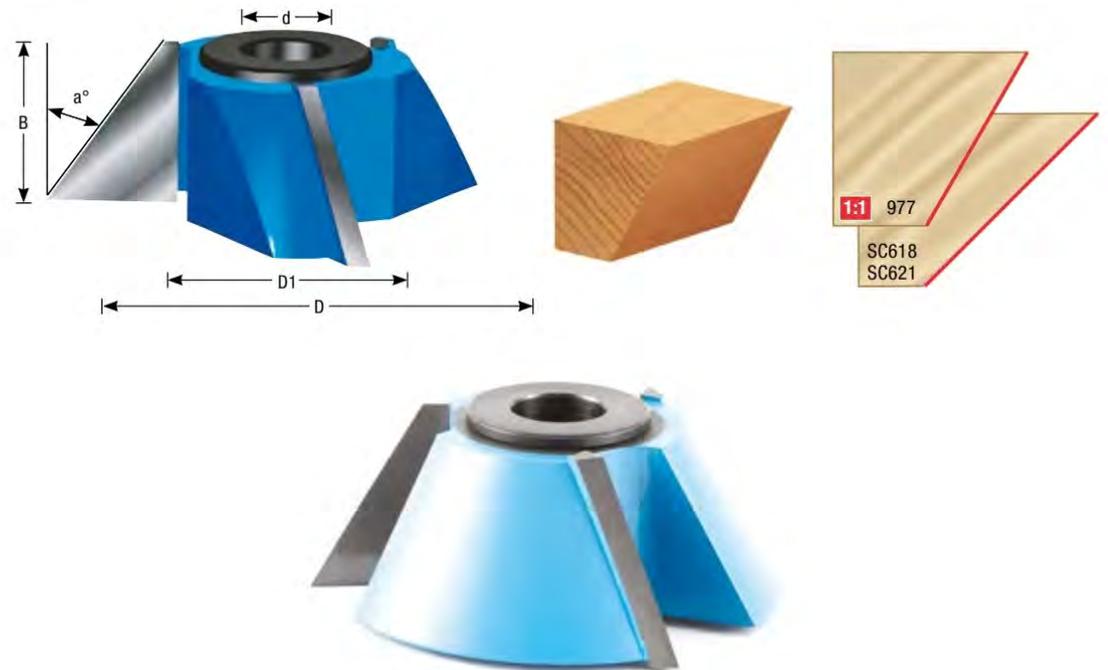
*Rub collar for 1/2" arbor only! **Rub collar for 3/4" arbor only! ***Rub collar for 1-1/4" arbor only!

For rub collars & bushings, see pages 380-381.

90° V-GROOVE



BEVEL



Description	ØD	ØD1	B	a°	Ød	Rub Collar	Tool No.
30° Bevel	2-5/8	1-3/8	1	30°	1/2 & 3/4	C-044**	977
45° Bevel	3-1/2	1-1/2	1	45°	1/2 & 3/4	C-011**	SC618
45° Bevel	4	2	1	45°	1 & 1-1/4	C-050***	SC621



#61218, page 379

#61292, page 375

INDUSTRIAL INSERT CARBIDE SHAPER CUTTERS
PRECISION
CLEAN CUTS IN YOUR MATERIAL





ADD A TOUCH OF

Elegance
TO YOUR WALLS

WAINSCOT/PANELING

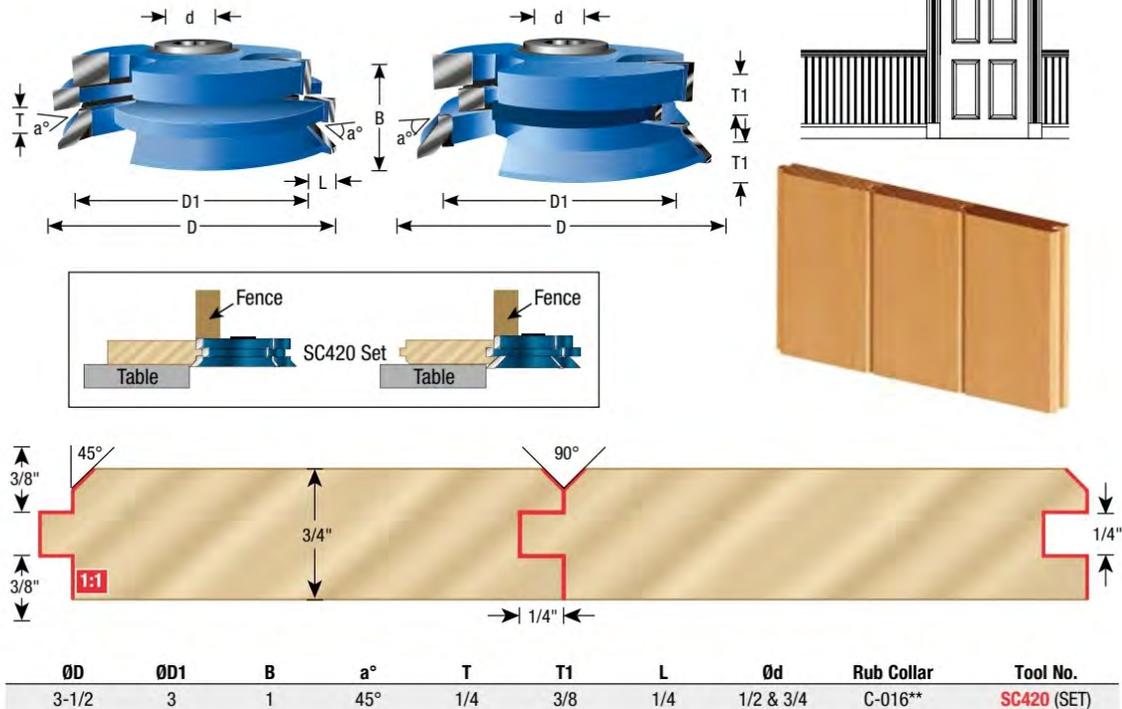
For 3/4" Material



Wainscot and paneling are a great way to add visual interest to walls. Paneling is used to cover an entire wall while wainscot stops at the chair rail. Amana Tool® offers multiple styles of profiles to choose from.

Wainscot with a 'V' provides a simple forty-five degree 'V' profile along the edges of the stock. The second set creates a 5/16" diameter bead along the edges of the stock. Designed for 3/4" thick stock and create an interlocking 1/4" tongue-and-groove joint for ease of assembly.

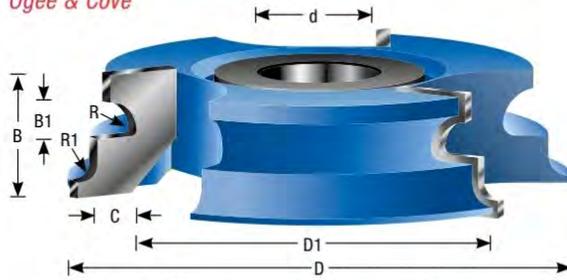
Wainscot With 'V' Cutters



*Rub collar for 1/2" arbor only! **Rub collar for 3/4" arbor only! ***Rub collar for 1-1/4" arbor only!

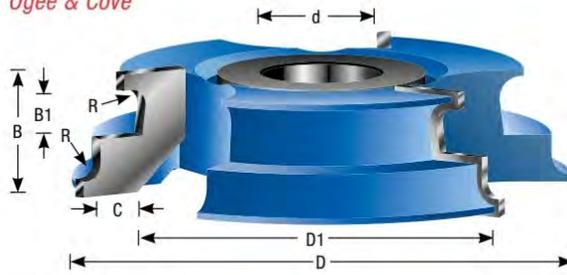
DOOR LIP

Ogee & Cove



ØD	ØD1	B	B1	C	R	R1	Ød	Tool No.
4-5/16	3-1/8	1-1/32	9/32	3/8	1/4	1/8	1 & 1-1/4	SC462

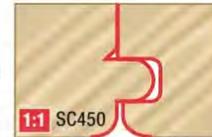
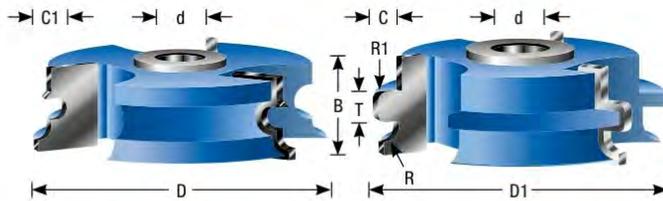
Ogee & Cove



ØD	ØD1	B	B1	C	R	Ød	Tool No.
4-5/16	3-1/8	1-1/32	3/8	13/32	1/8	1 & 1-1/4	SC464 <i>New</i>

FLOORING SET WITH NAIL SLOT FOR 5/8" TO 3/4" MATERIAL

Build your own wood floors with this matched shaper cutter set, which ensures perfectly aligned tongue and groove flooring strips. The unique rounded edge created by these cutters makes flooring fast and easy to install, while the nail slot helps prevent splitting.



ØD	ØD1	B	C	C1	T	R	R1	Ød	Rub Collar	Tool No.
2-5/8	2-21/32	7/8	1/4	—	1/4	—	1/8	3/4	—	SC453
3-1/4	2-25/32	7/8	1/4	11/32	1/4	1/8	1/16	1/2 & 3/4	C-014**	SC450
3-1/4	2-13/16	7/8	1/4	11/32	1/4	1/8	1/16	1 & 1-1/4	C-018***	SC451

*Rub collar for 1/2" arbor only! **Rub collar for 3/4" arbor only! ***Rub collar for 1-1/4" arbor only!

For rub collars & bushings, see pages 380-381.

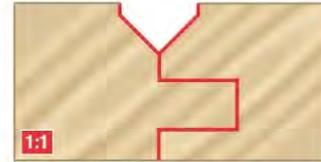
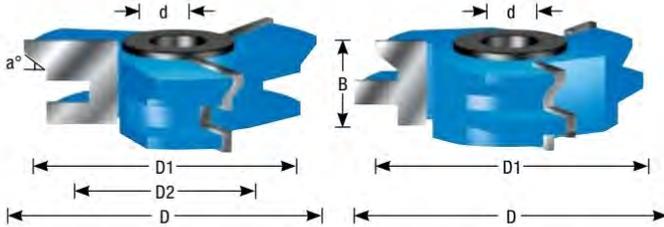
INDUSTRIAL SHAPER CUTTERS

V-PANELING 2-PIECE SETS

'V' paneling is a quick and easy way to add architectural detail to any room. These two-piece sets are perfectly matched so that you can shape precisely milled paneling strips in any wood species.

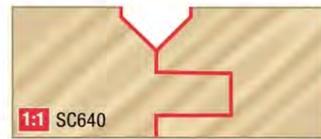
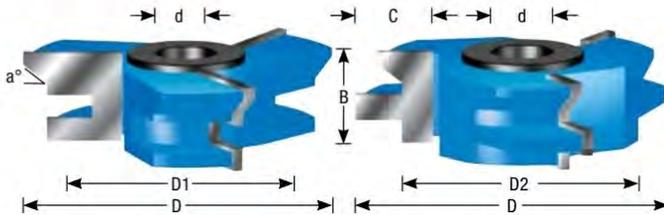


With 1/4"W x 3/8"D Tongue & Groove



ØD	ØD1	ØD2	B	a°	Ød	Rub Collar	Tool No.
2-5/8	2-1/4	1-1/2	29/32	45°	1/2 & 3/4	C-008**	938

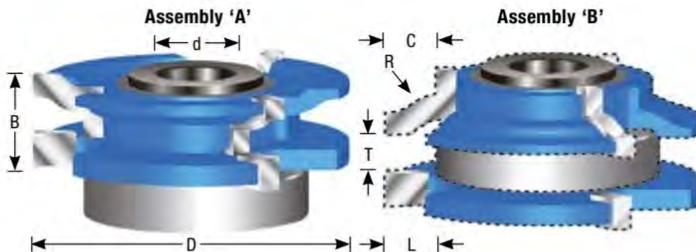
V-Paneling Cutter Set



ØD	ØD1	ØD2	B	C	a°	Ød	Rub Collar	For Material	Tool No.
2-5/8	2-1/8	1-3/4	3/4	7/16	45°	1/2 & 3/4	C-006, C-011**	1/2 - 3/4	SC640
2-3/4	2	—	1	5/8	45°	1/2 & 3/4	C-010	3/4 - 1	SC642

REVERSIBLE STILE & RAIL CABINET DOOR SETS WITH BALL BEARING FOR 3/4" TO 1-1/4" MATERIAL

Roman Ogee



ØD	B	R	T	C	L	Ød	Tool No.
2-13/32	1	5/16	1/4	3/8	3/8	1/2 & 3/4	SC586
2-29/32	1	5/16	1/4	3/8	5/8	1/2 & 3/4	SC579

*Rub collar for 1/2" arbor only! **Rub collar for 3/4" arbor only! ***Rub collar for 1-1/4" arbor only!

REVERSIBLE STILE & RAIL CABINET DOOR SETS WITH BALL BEARING FOR 3/4" TO 1-1/4" MATERIAL (CONT'D)

Many different styles available.



Tongue & Groove

$\varnothing D$	B	T	C	L	$\varnothing d$	Tool No.
2-13/32	3/4	1/4	3/8	3/8	1/2 & 3/4	SC577

Bevel

$\varnothing D$	B	a°	T	C	L	$\varnothing d$	Tool No.
2-13/32	1	18.6°	1/4	3/8	3/8	1/2 & 3/4	SC587
2-1/2	1-1/4	45°	1/4	3/8	3/8	1/2 & 3/4	SC597

Classical

$\varnothing D$	B	R	T	C	L	$\varnothing d$	Tool No.
2-13/32	1	9/64	1/4	3/8	3/8	1/2 & 3/4	SC588

Convex/Concave

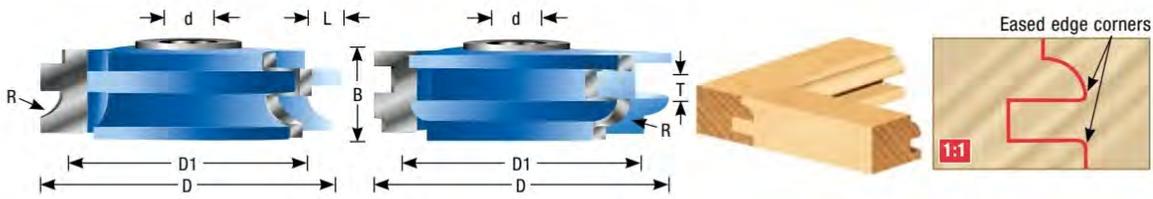
$\varnothing D$	B	R	T	C	L	$\varnothing d$	Tool No.
2-13/32	1	3/16	1/4	3/8	3/8	1/2 & 3/4	SC589

*Rub collar for 1/2" arbor only! **Rub collar for 3/4" arbor only! ***Rub collar for 1-1/4" arbor only!

For rub collars & bushings, see pages 380-381.

STILE & RAIL CABINET DOOR SET FOR 5/8" TO 3/4" MATERIAL

Concave With Eased Edge

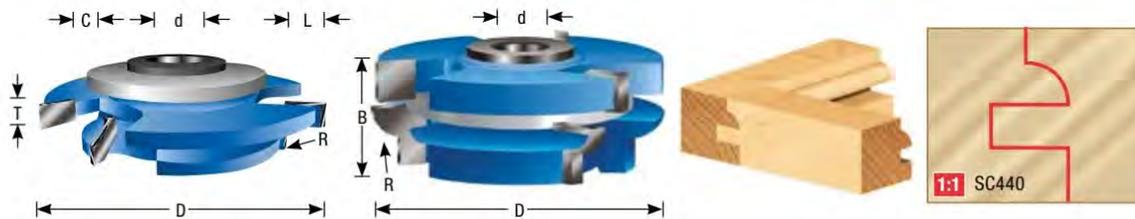


ØD	ØD1	B	T	L	R	Ød	Rub Collar	Tool No.
3	2-9/32	3/4	1/4	11/32	1/4	1/2 & 3/4	C-014**	SC441

STILE & RAIL CABINET DOOR SETS FOR 3/4" TO 1" MATERIAL

These Stile & Rail sets are great for making cabinet doors.

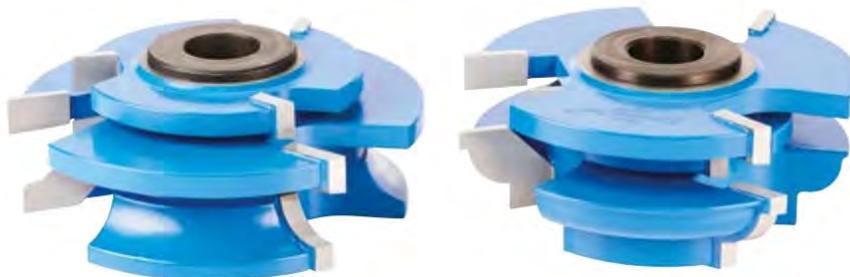
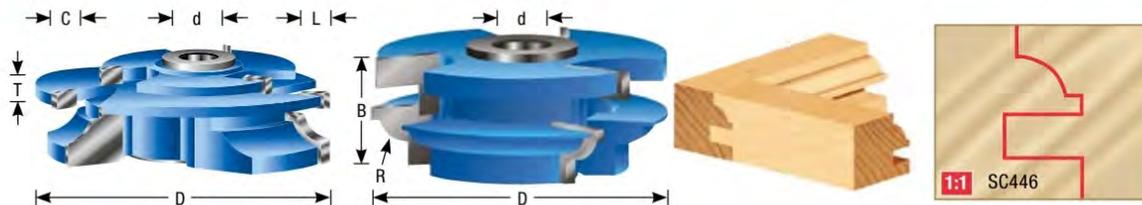
Concave



ØD	C	B	T	L	R	Ød	Rub Collar	Tool No.
3-3/32	1/4	1	1/4	7/16	15/64	1/2 & 3/4	C-009**	SC440
3-9/16	1/4	1	1/4	7/16	1/4	1 & 1-1/4	C-019, C-021	SC540

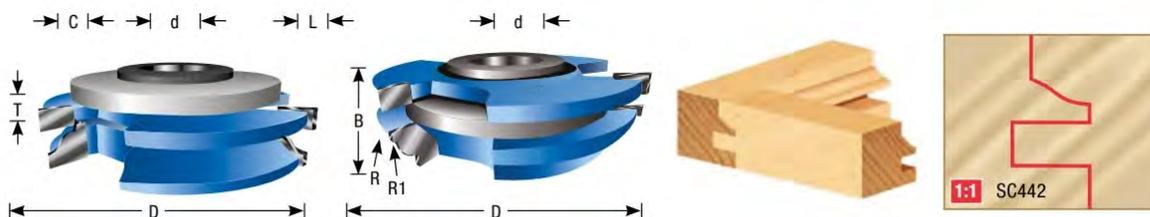
STILE & RAIL CABINET DOOR SETS FOR 3/4" MATERIAL

Bead



ØD	C	B	T	L	R	Ød	Rub Collar	Tool No.
2-11/16	3/8	1	1/4	7/16	9/32	1/2 & 3/4	C-010**	SC446
3-9/16	3/8	1	1/4	7/16	9/32	1 & 1-1/4	C-019, C-020***	SC546

Ogee



ØD	C	B	T	L	R	R1	Ød	Rub Collar	Tool No.
2-11/16	3/8	1	1/4	7/16	5/16	3/16	1/2 & 3/4	C-010**	SC442
3-9/16	3/8	15/16	1/4	7/16	1/4	3/16	1 & 1-1/4	C-019, C-020***	SC542

*Rub collar for 1/2" arbor only! **Rub collar for 3/4" arbor only! ***Rub collar for 1-1/4" arbor only!

For rub collars & bushings, see pages 380-381.

INDUSTRIAL SHAPER CUTTERS

INDUSTRIAL

Tongue & Groove

Cabinet Doors with Flat Panel

- Cut precise grooves to accommodate undersized plywood
- Rattle-free fit
- Mission/Shaker style



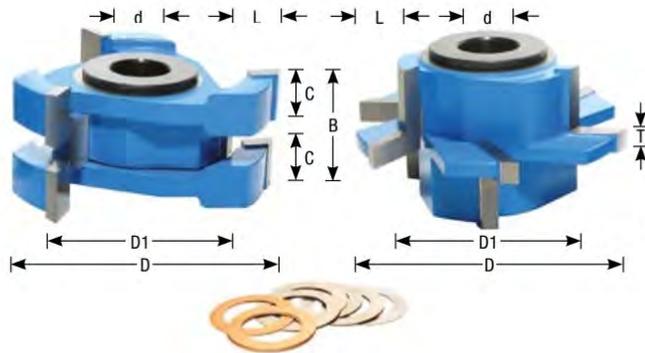
instile™ & RAIL SYSTEM **MISSION STYLE**
FLAT PANEL CABINET DOOR MAKING SET



ADJUSTABLE TONGUE & GROOVE CABINET DOOR SETS 5/8" TO 1-1/4" MATERIAL

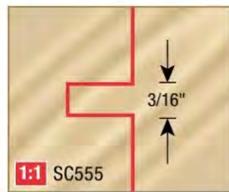
Shaker and Arts & Crafts

- Designed to cut precise grooves to provide undersized plywood veneered panels with a snug rattle-free fit.
- Adjust the panel groove width 3/16" to 9/32" for 1/4" plywood.
- 5.5mm for undersized 1/4" plywood and 5.9mm for oversized 1/4" veneered plywood.

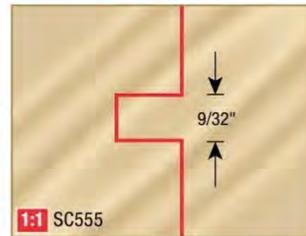


See Pages 210 for Instile & Rail System™ Adjustable Tongue & Groove Router Bit Sets.

See Page 379 for Instile & Rail System™ Adjustable Tongue & Groove Insert Carbide Shaper Cutter Set.



Minimum



Maximum

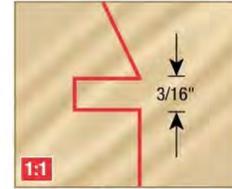
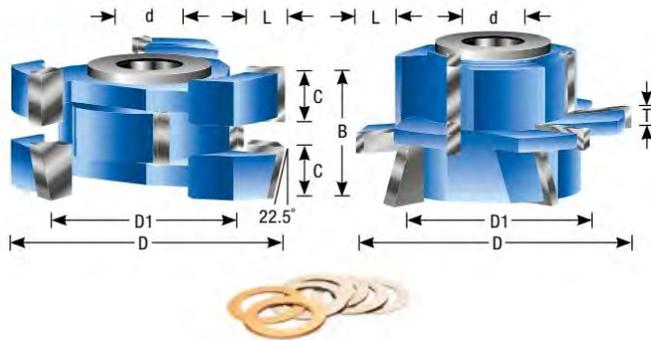
ØD	ØD1	B	C	T	L	Ød	Rub Collar	Tool No.
2-3/8	1-5/8	1 to 1-5/16	7/16	3/16 to 9/32	3/8	1/2 & 3/4	C-005**	SC555
2-59/64	2-5/32	1-1/16 to 1-21/64	7/16	3/16 to 9/32	3/8	1 & 1-1/4	—	SC553

*Rub collar for 1/2" arbor only! **Rub collar for 3/4" arbor only! ***Rub collar for 1-1/4" arbor only!

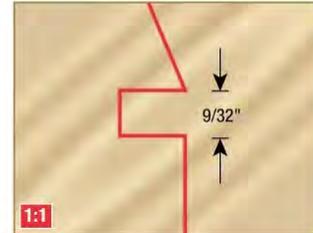


**ADJUSTABLE TONGUE & GROOVE
 CABINET DOOR SET
 5/8" TO 1-1/4" MATERIAL**

Accommodates Undersized Plywood • Straight With 22.5° Bevel (Shaker)



Minimum



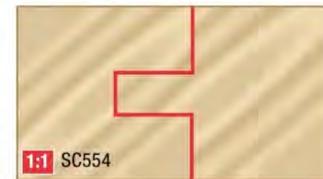
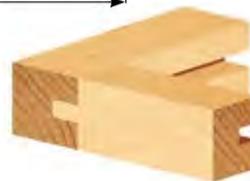
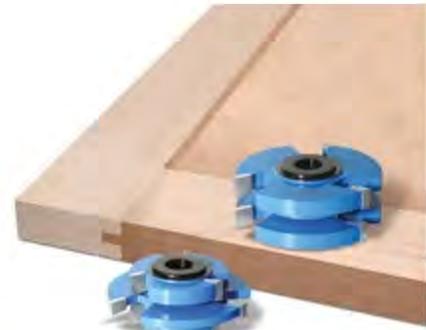
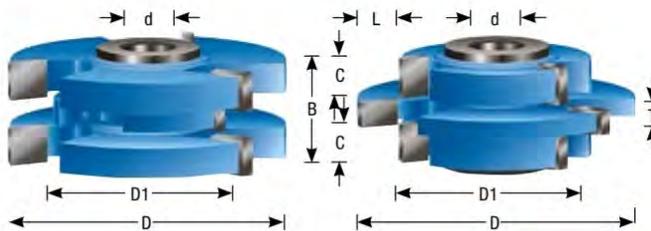
Maximum

ØD	ØD1	B	C	T	L	Ød	Rub Collar	Tool No.
2-3/8	1-5/8	1-1/16 to 1-21/64	7/16	3/16 to 9/32	3/8	1/2 & 3/4	C-005**	SC565
2-7/8	2-1/8	1-1/16 to 1-21/64	7/16	3/16 to 9/32	3/8	1 & 1-1/4	-	SC566

MISSION STYLE
 FLAT PANEL CABINET DOOR MAKING SET

**TONGUE & GROOVE CABINET DOOR SETS
 FOR 5/8" TO 2-1/8" MATERIAL**

Mission Style – Shaker Arts & Crafts



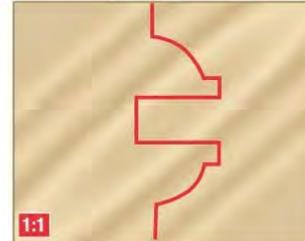
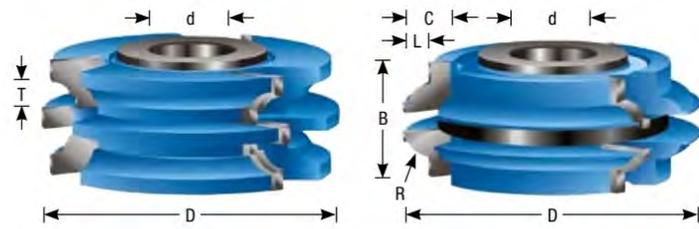
ØD	ØD1	B	C	T	L	Ød	Rub Collar	For Material	Tool No.
2-3/4	1-7/8	1	3/8	1/4	7/16	1/2 & 3/4	C-008**	5/8 to 1	SC554
2-3/4	1-7/8	1-3/4	11/16	3/8	7/16	1/2 & 3/4	C-008**	3/4 to 1-3/4	SC558
3-1/4	2-3/8	1-3/4	11/16	3/8	7/16	1 & 1-1/4	-	3/4 to 1-3/4	SC557
3-3/8	2-1/2	1-1/8	7/16	1/4	7/16	1 & 1-1/4	C-017***	5/8 to 1-1/8	SC556
3-1/2	2-1/2	2-1/8	13/16	1/2	1/2	1 & 1-1/4	C-017***	1 to 2-1/8	SC559

*Rub collar for 1/2" arbor only! **Rub collar for 3/4" arbor only! ***Rub collar for 1-1/4" arbor only!

For rub collars & bushings, see pages 380-381.

STILE & RAIL CABINET DOOR SET FOR 1" TO 1-3/8" MATERIAL

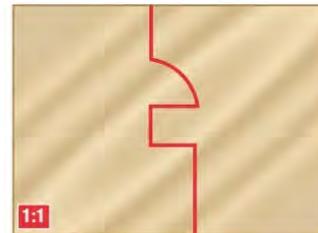
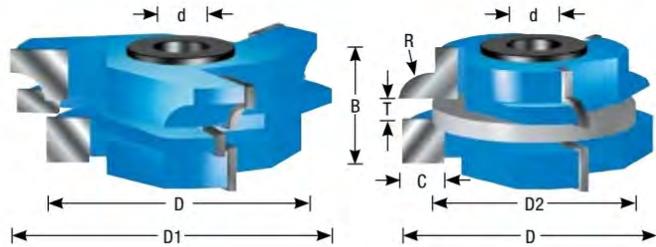
Bead



ØD	C	B	T	L	R	Ød	Rub Collar	Tool No.
3-9/16	3/8	1-3/8	1/4	7/16	9/32	1 & 1-1/4	C-019***	SC562

STILE & RAIL CABINET DOOR SET FOR 1-5/16" MATERIAL

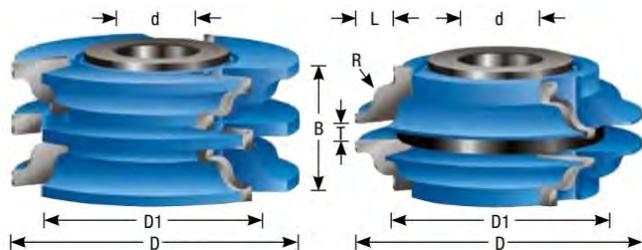
Concave



ØD	ØD1	ØD2	B	T	R	C	Ød	Rub Collars	Tool No.
2-1/2	1-7/8	3-1/8	1-17/64	1/4	5/16	5/16	1/2 & 3/4	C-008, C-016**	940

STILE & RAIL CABINET DOOR SETS FOR 1-3/8" MATERIAL

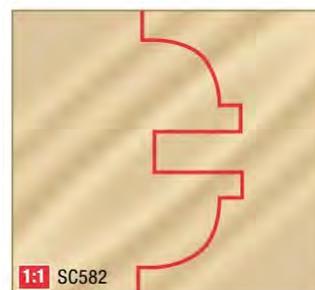
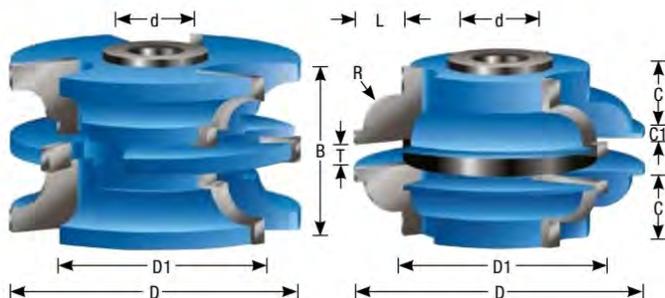
Ogee



ØD	D1	B	T	L	R	Ød	Rub Collar	Tool No.
3-9/16	—	1-1/2	1/4	9/16	3/16	1 & 1-1/4	C-017***	SC580
3-9/16	2-1/2	1-3/4	1/2	17/32	3/16	1 & 1-1/4	C-017***	SC581

STILE & RAIL CABINET DOOR SETS FOR 1-9/16" MATERIAL

Bead



ØD	D1	B	L	C	C1	R	T	Ød	Rub Collar	Tool No.
2-27/32	1-27/32	1-9/16	1/2	17/32	1/8	5/16	7/32	1/2 & 3/4	—	SC582
3-9/16	2-9/16	1-9/16	1/2	17/32	1/8	5/16	7/32	1 & 1-1/4	C-018***	SC583

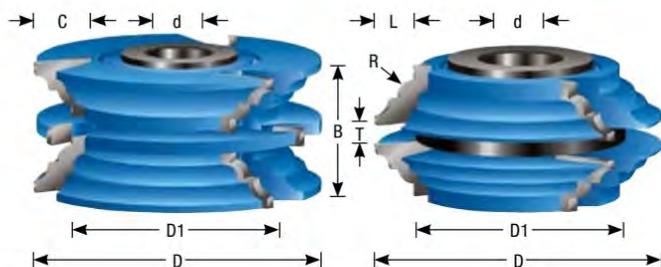
*Rub collar for 1/2" arbor only! **Rub collar for 3/4" arbor only! ***Rub collar for 1-1/4" arbor only!

For rub collars & bushings, see pages 380-381.

INDUSTRIAL SHAPER CUTTERS

STILE & RAIL CABINET DOOR SETS FOR 1-3/8" TO 1-5/8" MATERIAL

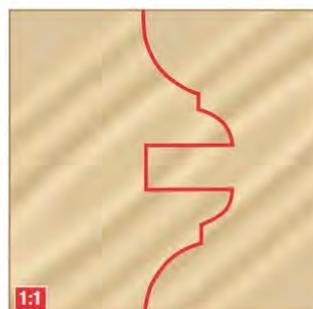
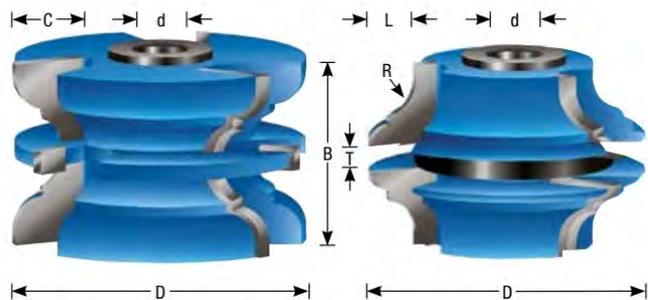
Bead & Cove



ØD	ØD1	C	B	T	L	R	Ød	Rub Collars	Tool No.
3-9/16	2-7/16	9/16	1-9/16	1/4	9/16	3/16	1/2 & 3/4	C-039**	SC585
3-9/16	—	7/8	1-5/8	1/4	9/16	13/64	1 & 1-1/4	C-018***	SC584

STILE & RAIL EXTERIOR DOOR SET FOR 1-3/4" MATERIAL

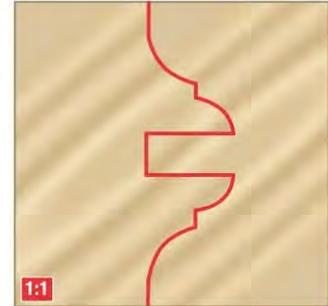
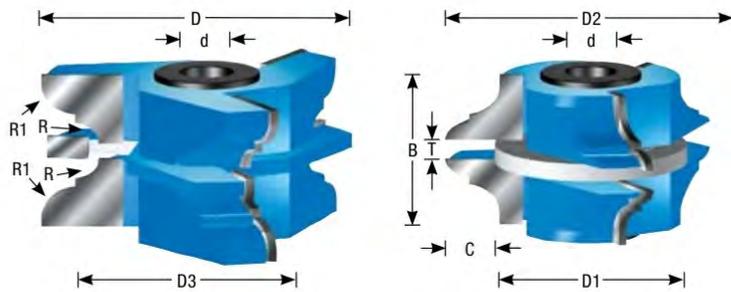
Bead & Cove



ØD	C	B	T	L	R	Ød	Rub Collar	Tool No.
2-7/8	1/2	1-3/4	1/4	1/2	21/64	1/2 & 3/4	C-008**	SC590

STILE & RAIL EXTERIOR DOOR SET FOR 1-3/4" MATERIAL

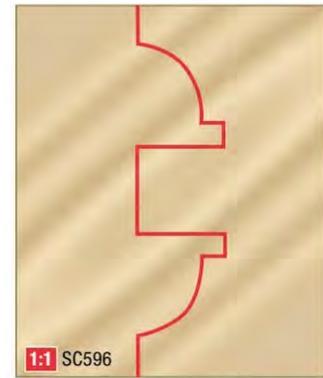
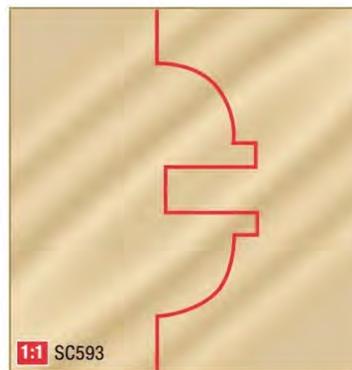
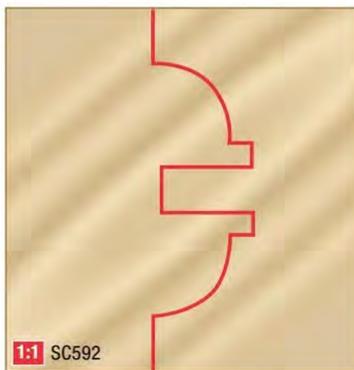
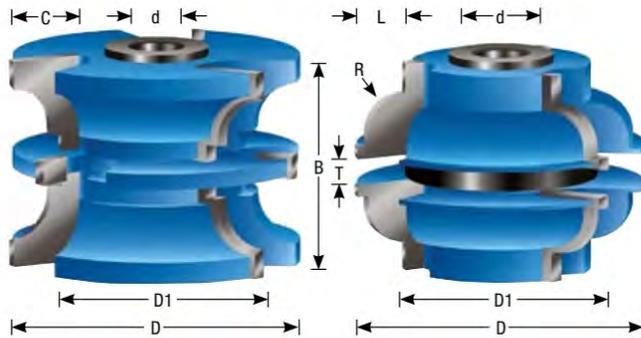
Cove & Bead



ØD	ØD1	ØD2	ØD3	T	C	B	R	R1	Ød	Rub Collars	Tool No.
3-1/8	1-7/8	2-15/16	2-1/16	1/4	17/32	1-3/4	15/64	11/32	1/2 & 3/4	C-008, C-022**	922

STILE & RAIL EXTERIOR DOOR SETS FOR 1-3/4" TO 2-1/8" MATERIAL

Bead



ØD	ØD1	C	B	T	L	R	Ød	Rub Collar	Tool No.
3-11/32	2-5/16	33/64	1-31/32	1/4	9/16	25/64	1 & 1-1/4	—	SC593
2-7/8	1-13/16	17/32	2	1/4	9/16	25/64	1/2 & 3/4	—	SC592
3-17/32	2-17/32	1/2	2-1/8	1/2	1/2	25/64	1 & 1-1/4	C-018***	SC596

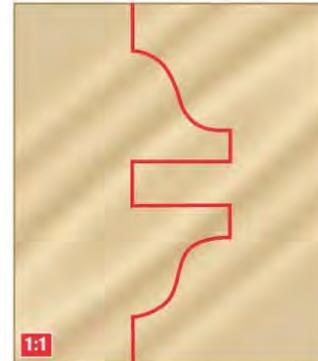
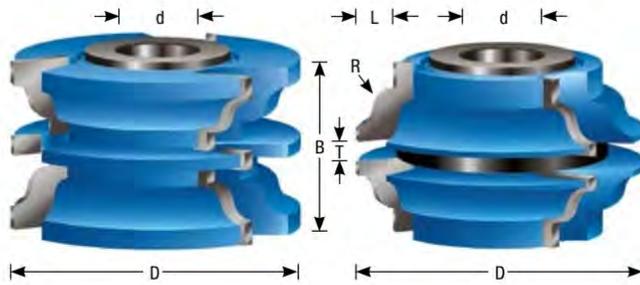
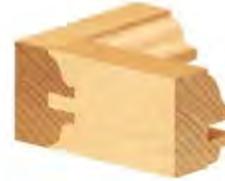
*Rub collar for 1/2" arbor only! **Rub collar for 3/4" arbor only! ***Rub collar for 1-1/4" arbor only!

For rub collars & bushings, see pages 380-381.

INDUSTRIAL SHAPER CUTTERS

STILE & RAIL EXTERIOR DOOR SET FOR 2" MATERIAL

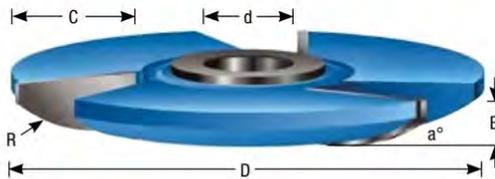
Ogee



ØD	B	T	L	R	Ød	Rub Collars	Tool No.
3-9/16	2-1/16	1/4	9/16	1/4	1 & 1-1/4	C-018***	SC594

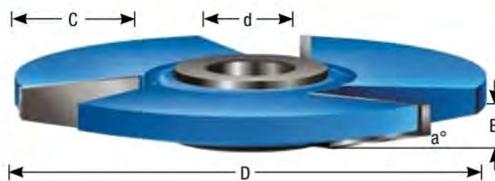
RAISED PANEL FOR 5/8" MATERIAL

Cove



ØD	B	C	R	a°	Ød	Rub Collar	Tool No.
4-5/8	5/8	1-3/16	2-23/64	6°	1/2 & 3/4	C-005**	SC658
5-1/2	5/8	1-1/2	1-29/32	6°	1 & 1-1/4	C-017***	SC514

Traditional

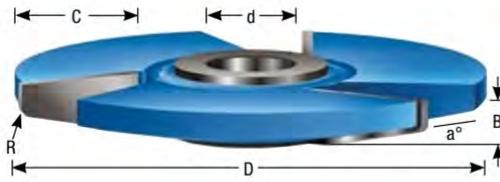


ØD	B	C	a°	Ød	Rub Collar	Tool No.
4-5/8	5/8	1-3/16	15°	1/2 & 3/4	C-005**	SC652
5-1/2	5/8	1-1/2	12°	1 & 1-1/4	C-017***	SC516

*Rub collar for 1/2" arbor only! **Rub collar for 3/4" arbor only! ***Rub collar for 1-1/4" arbor only!

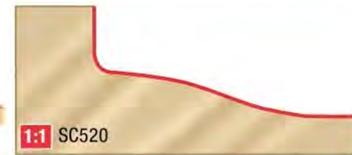
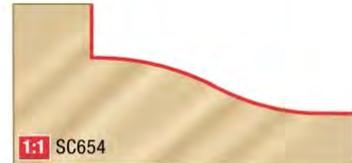
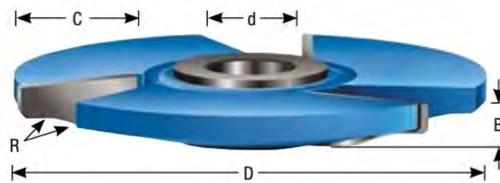
RAISED PANEL FOR 5/8" MATERIAL

Traditional



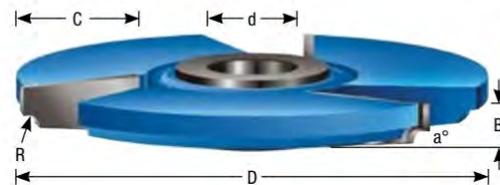
$\varnothing D$	B	C	R	a°	$\varnothing d$	Rub Collar	Tool No.
5-1/2	5/8	1-1/2	1/8	12°	1 & 1-1/4	C-007***	SC518

Ogee



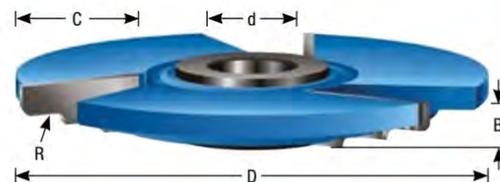
$\varnothing D$	B	C	R	$\varnothing d$	Rub Collar	Tool No.
4-5/8	5/8	1-3/16	1-1/2	1/2 & 3/4	C-005**	SC654
5-1/2	5/8	1-1/2	1-9/16	1 & 1-1/4	C-017***	SC520

Classical



$\varnothing D$	B	C	R	a°	$\varnothing d$	Rub Collar	Tool No.
5-1/2	5/8	1-1/2	5/32	7°	1 & 1-1/4	C-017***	SC522

Classical



$\varnothing D$	B	C	R	$\varnothing d$	Rub Collar	Tool No.
5	5/8	1-1/2	1/8	1/2 & 3/4	C-010**	SC690

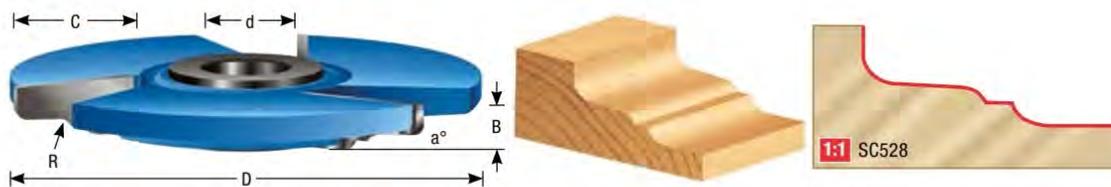
*Rub collar for 1/2" arbor only! **Rub collar for 3/4" arbor only! ***Rub collar for 1-1/4" arbor only!

For rub collars & bushings, see pages 380-381.

INDUSTRIAL SHAPER CUTTERS

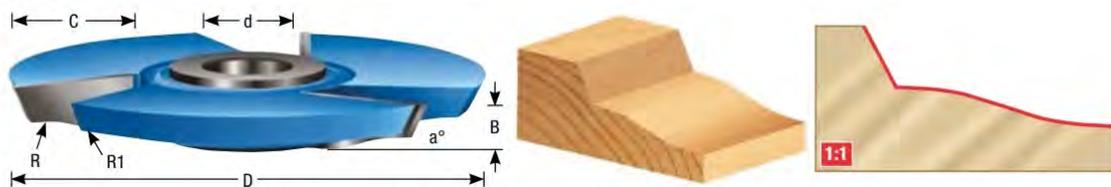
RAISED PANEL FOR 5/8" MATERIAL

Classical



ØD	B	C	R	a°	Ød	Rub Collar	Tool No.
5	5/8	1-1/2	5/32	4°	1/2 & 3/4	C-010**	SC694
5-1/2	5/8	1-1/2	5/32	4°	1 & 1-1/4	C-017***	SC528

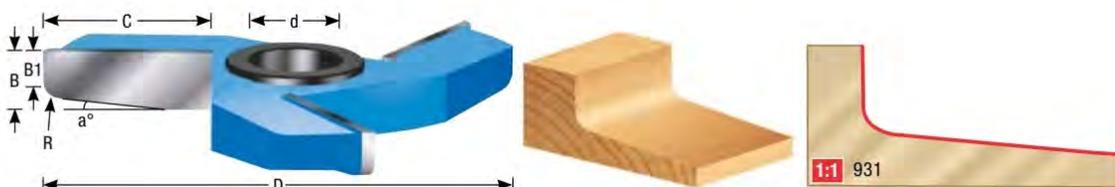
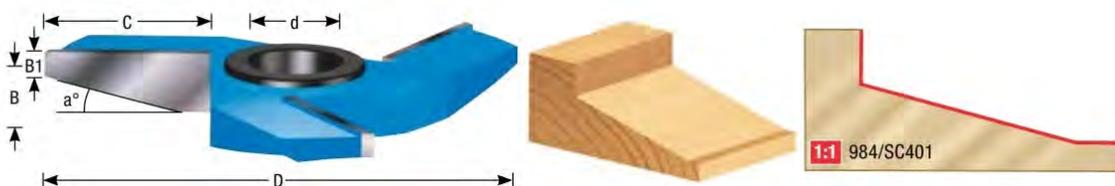
Ogee



ØD	B	C	R	R1	a°	Ød	Rub Collar	Tool No.
5-1/2	5/8	1-1/2	1-5/16	1-15/16	28°	1 & 1-1/4	C-017***	SC530

RAISED PANEL FOR 5/8" MATERIAL

Horizontal Panel Raising / Shear Face • Traditional



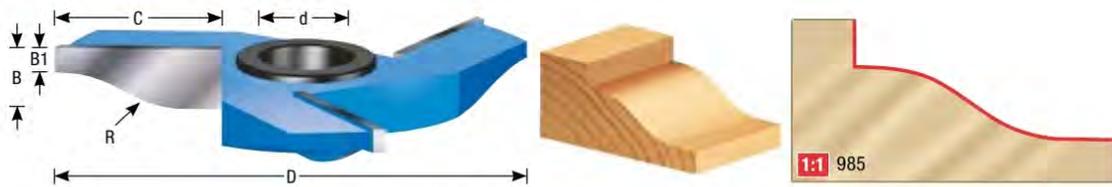
ØD	B	B1	R	C	a°	Ød	Rub Collar	Tool No.
4-5/8	5/8	5/16	-	1-1/2	15°	1/2 & 3/4	C-005**	SC401
5-1/2	5/8	5/16	-	1-1/2	15°	1 & 1-1/4	C-017***	984
5-1/2	5/8	3/8	5/32	1-1/2	5°	1 & 1-1/4	C-017***	931

Note: Reveal (C) shown on all above tools reflects the total length of cut. Therefore, you must deduct 3/8" (usually) for allowing the panel to recess into the frame. Replacement 'T' bushings #BU-720 (2 required).

RAISED PANEL FOR 11/16" MATERIAL

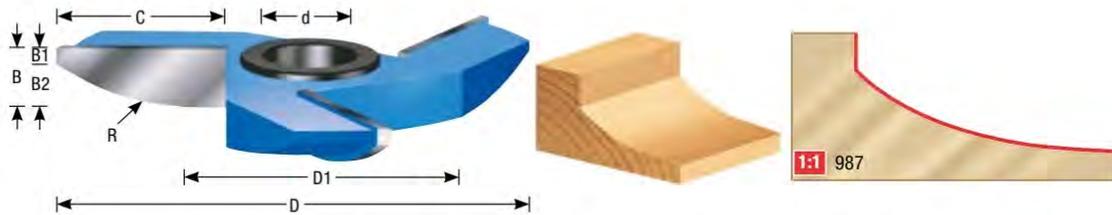
Horizontal Panel Raising / Shear Face

Ogee



ØD	B	B1	R	C	Ød	Rub Collar	Tool No.
4-5/8	11/16	9/32	7/8	1-1/2	1/2 & 3/4	C-005**	SC403
5-1/2	11/16	9/32	3/4	1-1/2	1 & 1-1/4	C-017***	985

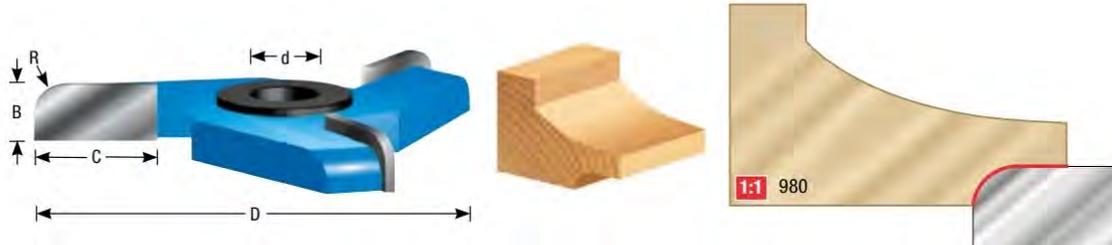
Cove



ØD	ØD1	B	B1	B2	R	C	Ød	Rub Collar	Tool No.
4-5/8	-	11/16	7/32	-	2-1/2	1-1/2	1/2 & 3/4	C-005**	SC407
5-1/2	3-9/64	11/16	1/4	7/16	2-23/64	1-1/2	1 & 1-1/4	C-017***	987

RAISED PANEL BACK

With Ball Bearing Rub Collar



ØD	B	R	C	Ød	Rub Collar	Tool No.
3-1/2	1/2	1/4	7/8	1/2 & 3/4	C-006**	980
3-39/64	1/2	1/4	7/8	1 & 1-1/4	C-045***	989

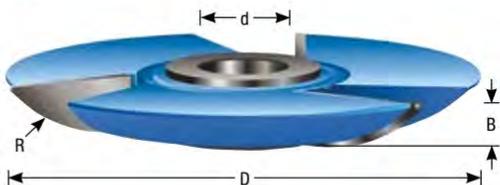
*Rub collar for 1/2" arbor only! **Rub collar for 3/4" arbor only! ***Rub collar for 1-1/4" arbor only!

For rub collars & bushings, see pages 380-381.

INDUSTRIAL SHAPER CUTTERS

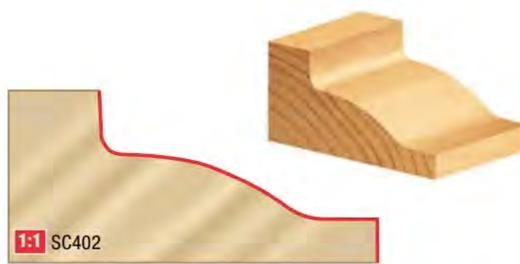
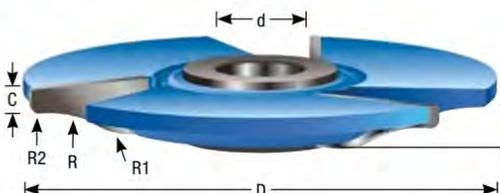
RAISED PANEL FOR 3/4" MATERIAL

Cove



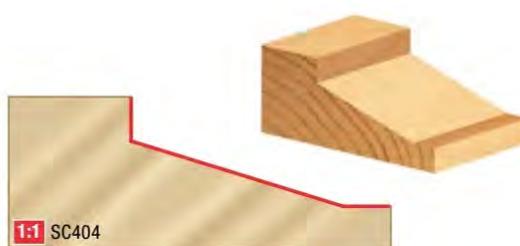
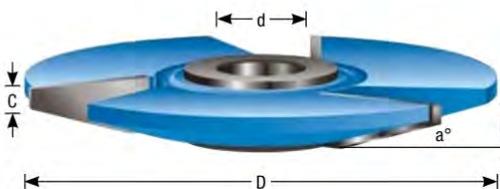
ØD	B	R	Ød	Rub Collar	Tool No.
4-15/16	11/16	1-57/64	1/2 & 3/4	C-004**	SC400
5-1/2	5/8	1-57/64	1 & 1-1/4	C-017***	SC500

Ogee



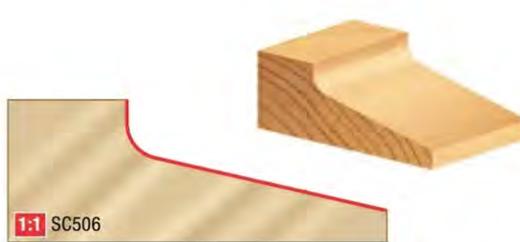
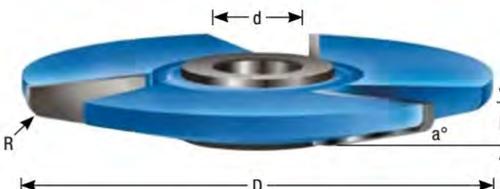
ØD	B	C	R	R1	R2	Ød	Rub Collar	Tool No.
4-15/16	23/32	3/8	1-15/32	7/8	7/8	1/2 & 3/4	C-004**	SC402
5-1/2	5/8	5/16	1-15/32	1/8	7/8	1 & 1-1/4	C-017***	SC502

Traditional



ØD	B	C	a°	Ød	Rub Collar	Tool No.
4-15/16	5/8	1/4	17°	1/2 & 3/4	C-004**	SC404
5-1/2	5/8	1/4	17°	1 & 1-1/4	C-017***	SC504

Traditional

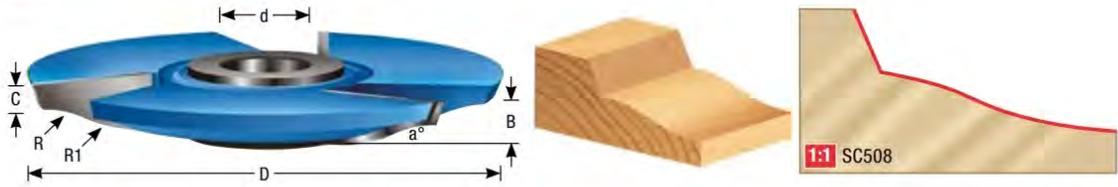


ØD	B	R	a°	Ød	Rub Collar	Tool No.
5-1/2	5/8	13/64	13°	1 & 1-1/4	C-017***	SC506

*Rub collar for 1/2" arbor only! **Rub collar for 3/4" arbor only! ***Rub collar for 1-1/4" arbor only!

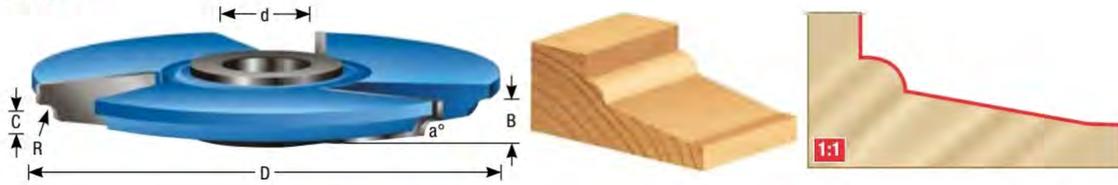
RAISED PANEL FOR 3/4" MATERIAL

Ogee



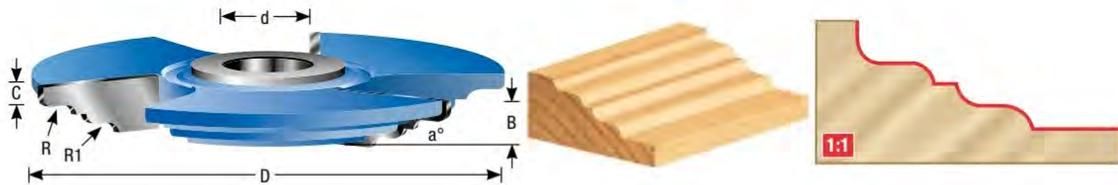
ØD	B	C	R	R1	a°	Ød	Rub Collar	Tool No.
4-15/16	11/16	3/8	1-31/32	1-3/8	23°	1/2 & 3/4	C-004**	SC408
5-1/2	5/8	5/16	1-31/32	1-31/32	23°	1 & 1-1/4	C-017***	SC508

Classical



ØD	B	C	R	a°	Ød	Rub Collar	Tool No.
5-1/2	5/8	1/4	13/64	10°	1 & 1-1/4	C-017***	SC512

Cove & Corner Round



ØD	B	C	R	R1	Ød	Rub Collar	Tool No.
5-1/2	5/8	1/4	1/8	5/32	1 & 1-1/4	C-017***	SC509

*Rub collar for 1/2" arbor only! **Rub collar for 3/4" arbor only! ***Rub collar for 1-1/4" arbor only!

For rub collars & bushings, see pages 380-381.

INDUSTRIAL SHAPER CUTTERS

INDUSTRIAL Insert Carbide

Shaper Cutters



Warning: Before use, read shaper cutter safety guidelines on page 383.



Safety guards have been removed for photo.

GROOVING

With Scorer 4mm to 6mm

Hard wearing steel body complete with tungsten carbide knives and scorer for improved finish. Suitable for producing grooves and slots in softwood, hardwood and man-made boards (with or without coating) on a spindle molder.

Can be used with spacer rings for comb jointing.

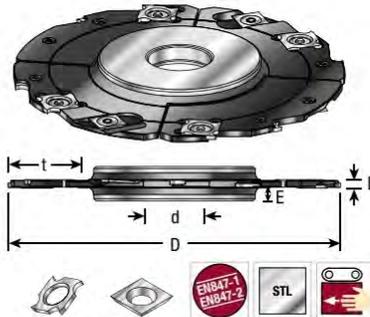


ØD	B	Teeth	Ød	Max. t	RPM	Repl. Knife		Tool No.
125mm(5)	4mm(5/32)	4+4	1-1/4	35mm(1-3/8)	6,100-10,500	RCK-18	RCK-71	61451
125mm(5)	5mm(3/16)	4+4	1-1/4	35mm(1-3/8)	6,100-10,500	RCK-19	RCK-71	61453
125mm(5)	1/4	4+4	1-1/4	35mm(1-3/8)	6,100-10,500	RCK-33	RCK-71	61466
180mm(7-1/16)	4mm(5/32)	8+8	1-1/4	55mm(2-5/32)	4,200-7,200	RCK-18	RCK-71	61458
180mm(7-1/16)	6mm(15/64)	8+8	1-1/4	55mm(2-5/32)	4,200-7,200	RCK-33	RCK-71	61461

ADJUSTABLE GROOVING

With Scorer 4mm to 7.5mm

Hard wearing steel body complete with tungsten carbide knives and scorer for improved finish. Suitable for producing various thickness grooves and slots in softwood, hardwood and man-made boards (with or without coating) on a spindle molder. Cutting width can be adjusted in 0.1mm increments by using supplied spacer rings.



ØD	B	Teeth	E	Ød	Max. t	RPM	Repl. Knife		Tool No.
160mm(6-5/16)	4 to 7.5mm(5/32 to 19/64)	8+4	6.35(1/4)	1-1/4	30mm(1-3/16)	4,800-8,300	RCK-18	RCK-71	61350

Replacement parts: Blade nut for RCK-18 #67172 / RCK-71 #67056; Torx key #5090.

3 PART ADJUSTABLE GROOVING

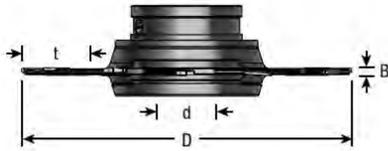
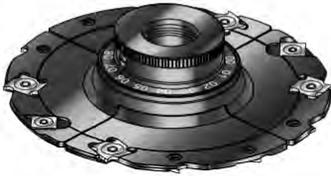
With Scorer 4mm to 15.5mm

Hard wearing steel body complete with tungsten carbide knives and scorer for improved finish. Suitable for producing various thickness grooves and slots in softwood, hardwood and man-made boards (with or without coating) on a spindle molder. Cutting width can be adjusted in 0.1mm increments by using supplied spacer rings.



ØD	B	Teeth	Ød	Max. t	RPM	Repl. Knife	Tool No.		
150mm(5-7/8)	4 to 15.5mm(5/32 to 5/8)	2+4+4	1-1/4	45mm(1-3/4)	5,500-8,500	AMA-17	RCK-18	RCK-71	61354

Included shim set #67208.



ADJUSTABLE GROOVING

With Scorer And Ring Nut

Hard wearing steel body complete with tungsten carbide knives and scorer for improved finish. Suitable for producing various thickness grooves and slots in softwood, hardwood and man-made boards (with or without coating) on a spindle molder. Cutting width can be adjusted in 0.1mm increments by special threaded bushing and scale without removing the cutter from the spindle.



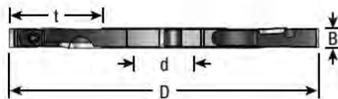
With Scorer And Ring Nut 4mm to 7.5mm

ØD	B	Teeth	Ød	Max. t	RPM	Repl. Knife	Tool No.
160mm(6-5/16)	4 to 7.5mm(5/32 to 19/64)	8+4	1-1/4	30mm(1-3/16)	4,800-8,300	RCK-18 RCK-71	61345
180mm(7-1/16)	4 to 7.5mm(5/32 to 19/64)	8+4	1-1/4	40mm(1-1/2)	4,300-7,500	RCK-18 RCK-71	61346

Replacement Parts: Allen Cap Screw for 61346 #67006.

With Scorer And Ring Nut 8mm to 24mm

ØD	B	Teeth	Ød	Max. t	RPM	Repl. Knife	Tool No.
160mm(6-5/16)	8 to 15mm(5/16 to 19/32)	4+4	1-1/4	30mm(1-3/16)	4,800-8,300	AMA-17 RCK-70	61340
160mm(6-5/16)	12.5 to 24mm(1/2 to 15/16)	4+4	1-1/4	30mm(1-3/16)	4,800-8,300	AMA-19 RCK-70	61342
180mm(7-1/16)	8 to 15mm(5/16 to 19/32)	4+4	1-1/4	40mm(1-1/2)	4,300-7,500	AMA-17 RCK-70	61343



GROOVING

With Scorer 8mm to 12mm

Hard wearing steel body complete with tungsten carbide knives and scorer for improved finish. Suitable for producing grooves and slots in softwood, hardwood and man-made boards (with or without coating) on a spindle molder.

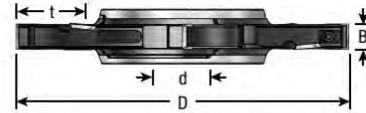
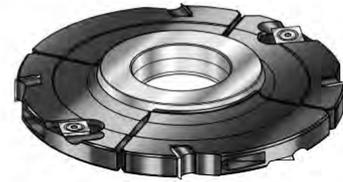


ØD	B	Teeth	Ød	Max. t	RPM	Repl. Knife	Tool No.
125mm(5)	8mm(5/16)	4+4	1-1/4	35mm(1-3/8)	6,100-10,500	AMA-17 HCK-70	61411
125mm(5)	1/2	4+4	1-1/4	35mm(1-3/8)	6,100-10,500	AMA-12 HCK-70	61422

ADJUSTABLE GROOVING

With Scorer 8mm to 24mm

Hard wearing steel body complete with tungsten carbide knives and scorer for improved finish. Suitable for producing various thickness grooves and slots in softwood, hardwood and man-made boards (with or without coating) on a spindle molder. Cutting width can be adjusted in 0.1mm increments by using supplied spacer rings.

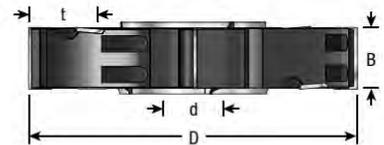
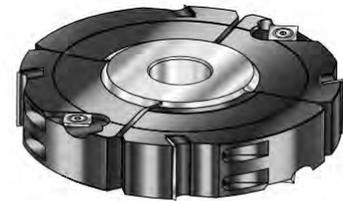


ØD	B	Teeth	Ød	Max. t	RPM	Repl. Knife		Tool No.
160mm(6-5/16)	8 to 15mm(5/16 to 19/32)	4+4	1-1/4	30mm(1-3/16)	4,800-8,300	AMA-17	RCK-70	61360
160mm(6-5/16)	12.5 to 24mm(1/2 to 15/16)	4+4	1-1/4	30mm(1-3/16)	4,800-8,300	AMA-19	RCK-70	61362
180mm(7-1/16)	12.5 to 24mm(1/2 to 15/16)	4+4	1-1/4	40mm(1-1/2)	4,300-7,500	AMA-19	RCK-70	61366

ADJUSTABLE GROOVING AND RABBETING

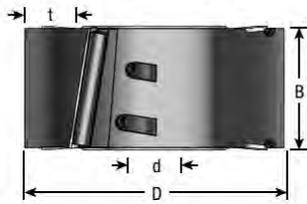
With Scorer 20.6mm to 100mm

Hard wearing steel body complete with tungsten carbide knives and scorer for improved finish. Suitable for producing various thickness grooves and rabbets in softwood, hardwood and man-made boards (with or without coating) on a spindle molder. Cutting width can be adjusted in 0.1mm increments by using supplied spacer rings.



ØD	B	Teeth	Ød	Max. t	RPM	Repl. Knife		Tool No.
160mm(6-5/16)	20.6 to 40mm(13/16 to 19/16)	4+4	1-1/4	40mm(1-1/2)	4,800-8,000	ICK-20	RCK-70	61355
160mm(6-5/16)	30.6 to 60mm(1-7/32 to 2-3/8)	4+4	1-1/4	40mm(1-1/2)	4,800-8,000	RCK-30	RCK-70	61356
200mm(7-7/8)	20.6 to 40mm(13/16 to 19/16)	4+4	1-1/4	50mm(2)	4,000-6,500	ICK-20	RCK-70	61358

Replacement screw for 61355 is #67155.
 Replacement screw for ICK-30 & ICK-50 #67301.
 Replacement screw for ICK-60 #67142.



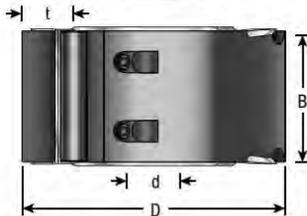
SHEAR RABBETING

Cutterhead bodies available in hard wearing aluminum or steel, complete with shear angle tungsten carbide knives and scorer. Suitable for producing various thickness rabbets in softwood, hardwood and man-made boards (with or without coating) on a spindle molder. Shear angle reduces tear-out and improves quality of cut.



ØD	B	Teeth	Ød	Max. t	RPM	Repl. Knife		Tool No.
125mm(5)	30mm(1-3/16)	4+4	1-1/4	27mm(1-1/16)	6,100-10,300	ICK-30	HCK-70	61480
125mm(5)	50mm(2)	4+4	1-1/4	27mm(1-1/16)	6,100-10,300	ICK-50	HCK-70	61482
125mm(5)	60mm(2-3/8)	2+4	1-1/4	27mm(1-1/16)	6,100-10,300	ICK-60	HCK-70	61484 *
150mm(5-7/8)	60mm(2-3/8)	2+4	1-1/4	40mm(1-1/2)	5,200-8,600	ICK-60	HCK-70	61485 *

Replacement screw for HCK-70 #67154.
 Replacement screw for ICK-30 & ICK-50 #67301.
 Replacement screw for ICK-60 #67142.
 *Aluminum



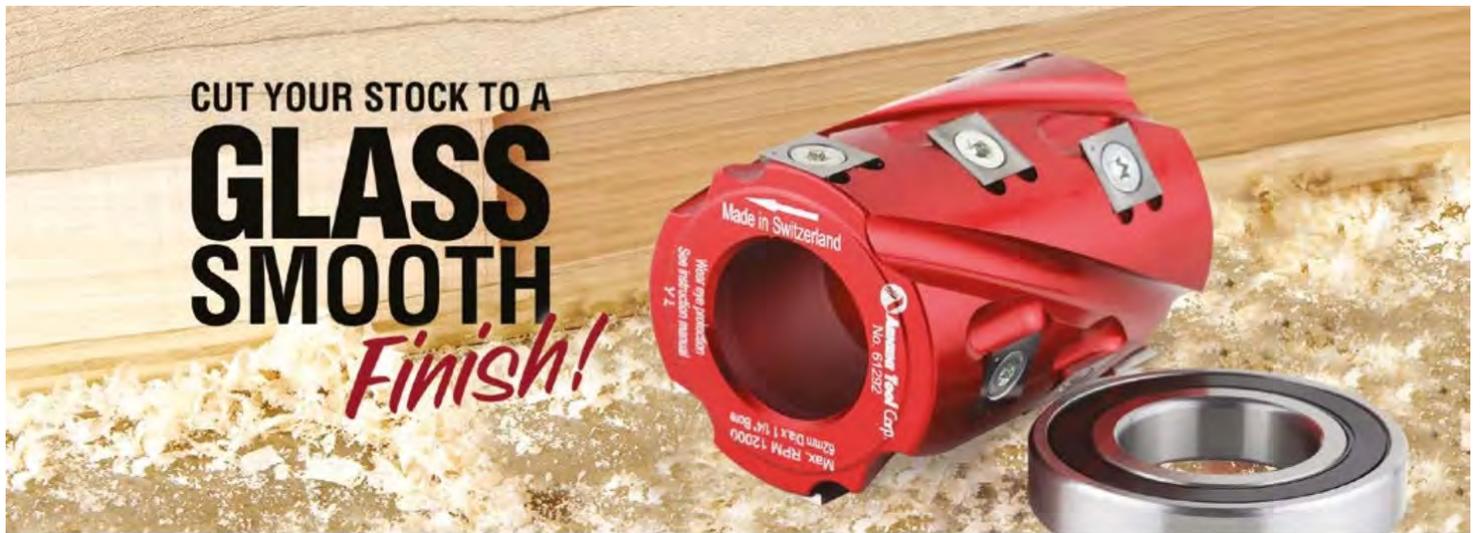
RABBETING

Cutterhead bodies available in hard wearing aluminum or steel, complete with tungsten carbide knives and scorer for improved finish. Suitable for producing various thickness rabbets in softwood, hardwood and man-made boards (with or without coating) on a spindle molder.



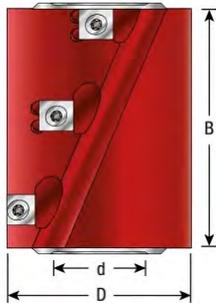
ØD	B	Teeth	Ød	Max. t	RPM	Repl. Knife		Tool No.
85mm(3-3/8)	50mm(2)	2+4	1-1/4	8mm(5/16)	9,000-15,000	ICK-50	HCK-70	61463
90mm(3-9/16)	40mm(1-1/2)	2+4	1-1/4	15mm(19/32)	8,500-12,000	RCK-40	HCK-70	61464 *
100mm(4)	30mm(1-3/16)	2+4	1-1/4	20mm(7/8)	7,600-12,900	ICK-30	HCK-70	61460 *
100mm(4)	50mm(2)	2+4	1-1/4	20mm(7/8)	7,600-12,900	ICK-50	HCK-70	61462 *
125mm(5)	30mm(1-3/16)	2+4	1-1/4	30mm(1-3/16)	6,100-10,000	ICK-30	HCK-70	61470
125mm(5)	50mm(2)	2+4	1-1/4	30mm(1-3/16)	6,100-10,000	ICK-50	HCK-70	61472
125mm(5)	50mm(2)	2+4	1-1/4	30mm(1-3/16)	6,100-10,000	ICK-50	HCK-70	61465 *
125mm(5)	60mm(2-3/8)	2+4	1-1/4	30mm(1-3/16)	6,100-10,000	ICK-60	HCK-70	61467

*Aluminum



SPIRAL PLANER/JOINTING

Hard wearing aluminum body complete with spiral positioned tungsten carbide knives. Suitable for planing and jointing in softwood, hardwood and man-made boards on a spindle molder. Can be used with a bearing guide and ring fence for planing and routing curved work pieces with a template.

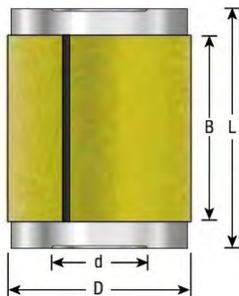


ØD	B	Teeth/Insert Knives	Ød	RPM	Repl. Knife	Rub Collar	Tool No.
62mm(2-1/2)	80mm(3-1/8)	12	1-1/4	8,000-12,000	RCK-70	61596	61292
80mm(3-3/16)	4-3/4	18	1-1/4	9,000	RCK-70	61659	61295

#61292: Replacement screw #67154.
#61295: Replacement screw #67057.

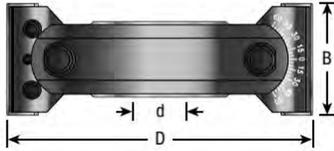
SANDING DRUM

For sanding rough work-pieces using a bottom template and rub collar with ball bearing.



ØD	B	Ød	L	RPM	Abrasive Replacement	Rub Collar	Tool No.
60mm(2-3/8)	3	1-1/4	100mm(4)	4,500	AB61293	61596	61293

Replacement abrasive material = AB61293 (9"x3") 80 grit paper.



ADJUSTABLE CHAMFER

Cutterhead bodies available in hard wearing aluminum or steel, complete with tungsten carbide knives. Suitable for producing chamfer cuts at various angles in softwood, hardwood and man-made boards on a spindle molder. Cutting angle can be adjusted in 7.5° increments by using notched scale.

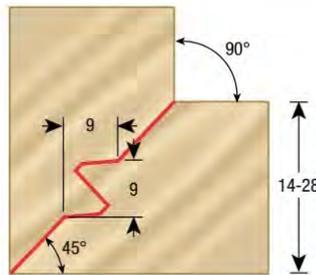


ØD	B	a°	Ød	RPM	Repl. Knife	Tool No.
110mm(4-11/32)	40mm(1-1/2)	-45.0° to +45.0°	1-1/4	7,000-9,000	RCK-40	61303
120mm(4-3/4)	40mm(1-1/2)	-45.0° to +45.0°	1-1/4	6,000-8,500	RCK-40	61304 *
130mm(5-1/8)	50mm(2)	-67.5° to +67.5°	1-1/4	5,000-8,500	ICK-50	61306
150mm(5-7/8)	50mm(2)	-90.0° to +90.0°	1-1/4	5,100-7,400	ICK-50	61307
160mm(6-5/16)	50mm(2)	-90.0° to +90.0°	1-1/4	4,800-6,000	ICK-50	61310 *
170mm(6-11/16)	60mm(2-3/8)	-90.0° to +90.0°	1-1/4	4,500-6,000	ICK-60	61311 *

*Aluminum

45° LOCK MITER

This tool features a hard wearing aluminum cutterhead, complete with two tungsten carbide knives. Suitable for producing 45° lock miter joints in softwood, hardwood and man-made boards on a spindle molder. Can also be used for jointing horizontal pieces of timber.



ØD	B	d	RPM	Repl. Knife	Tool No.
170mm(6-11/16)	40mm(1-1/2)	1-1/4	4,500-7,900	RCK-90	61290

'V' TYPE GLUE JOINT

Cutterhead bodies in hard wearing aluminum, complete with tungsten carbide knives. Suitable for producing glue joints in softwood, hardwood and man-made boards on a spindle molder.

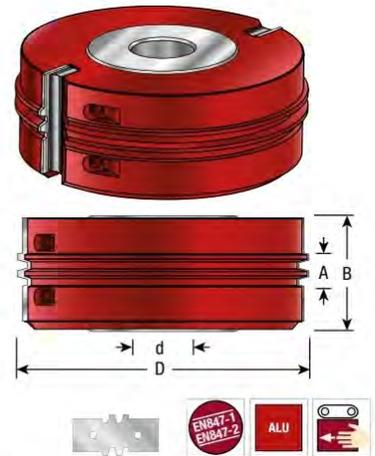


ØD	B	Ød	RPM	Repl. Knife	Tool No.
90mm(3-9/16)	50mm(2)	1-1/4	8,500-12,000	RCK-72	61296
120mm(4-3/4)	50mm(2)	1-1/4	6,100-10,000	RCK-72	61297

GLUE JOINT

Cutterhead bodies in hard wearing aluminum or steel, complete with tungsten carbide knives. Suitable for producing 'finger style' reversible glue joints in softwood, hardwood and man-made boards on a spindle molder.

Visit www.amanatool.com for cut profiles.



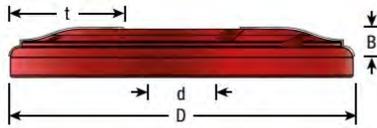
ØD	B	A	Ød	RPM	Repl. Knife	Tool No.
120mm(4-3/4)	60mm(2-3/8)	7.7mm(5/16)	1-1/4	6,500-9,500	RCK-83	61258

LAMELLO® BISCUIT JOINT

Hard wearing steel body complete with tungsten carbide knives and scorers. Suitable for producing grooves and slots in softwood, hardwood and man-made boards for biscuit jointing. For use with most biscuit jointing machines.



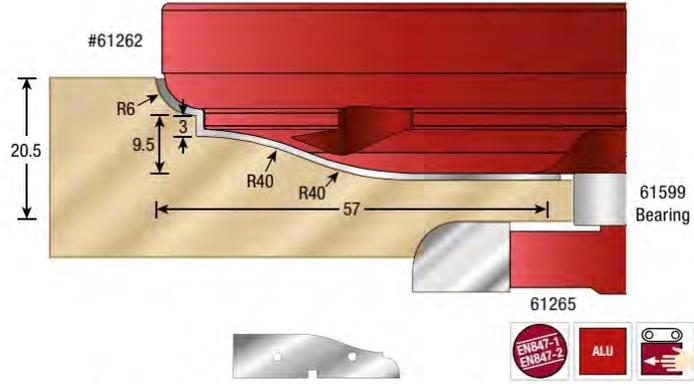
ØD	B	Teeth	Ød	RPM	Repl. Knife	Tool No.
100mm(4)	4mm(5/32)	4+4	22mm	7,700-15,000	RCK-18 RCK-71	61452



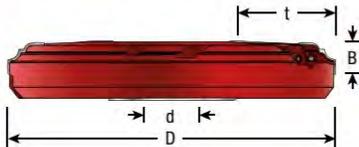
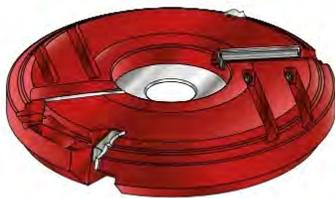
#61262 with back cutter #61265 and bearing #61599

RAISED PANEL & BACKCUTTER

Cutterhead in hard wearing aluminum, complete with tungsten carbide knives. Suitable for producing raised panel profiles in softwood, hardwood and man-made boards on a spindle molder.

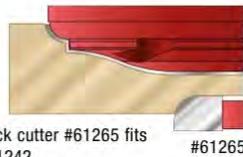


Type	ØD	R	B	Ød	Max. t	RPM	Repl. Knife	Tool No.
Raised Panel	180mm(7-1/16)	—	25mm(1)	1-1/4	57(2-1/4)	4,500-7,500	RCK-78	61262
Back Cutter	104mm(4-3/32)	5/16	18mm(23/32)	1-1/4	—	7,600-10,000	RCK-132	61265



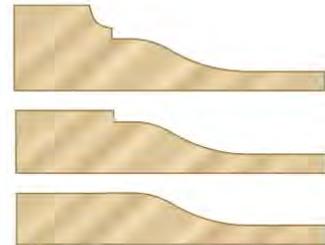
RAISED PANEL

Cutterhead in hard wearing aluminum, complete with two tungsten carbide knives and two scribes. Suitable for producing various raised panel profiles in softwood, hardwood and man-made boards. Raising or lowering the cutterhead on the spindle molder produces different profiles.



Back cutter #61265 fits #61242.

#61265



61242



Type	ØD	R	B	Ød	Max. t	RPM	Teeth	Repl. Knife	Tool No.
Raised Panel	200mm(7-7/8)	—	24mm(15/16)	1-1/4	63mm(2-1/2)	3,800-6,500	2+2	RCK-242	NCK-50 61242

Can be used with Back cutter #61265.

INDUSTRIAL

Adjustable Insert Shaper Cutters

- Create "rattle-free" cabinet doors
- Designed to accommodate undersized plywood flat panels



ADJUSTABLE TONGUE & GROOVE SET

The perfect fix for undersized plywood flat panel "Mission Style, Arts & Crafts and Shaker" cabinet doors.

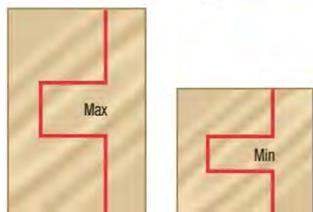
Set includes unique adjustment system and a gauge for precise settings.

- Designed to cut precise grooves to provide undersized plywood veneered panels with a snug, rattle-free fit.
- For 5.5mm undersized 1/4" plywood.
- For 5.9mm oversized 1/4" veneered plywood.
- Adjust the panel groove width 3/16" to 5/16".
- Cut frame stock from 5/8" through 1-3/16" in thickness.

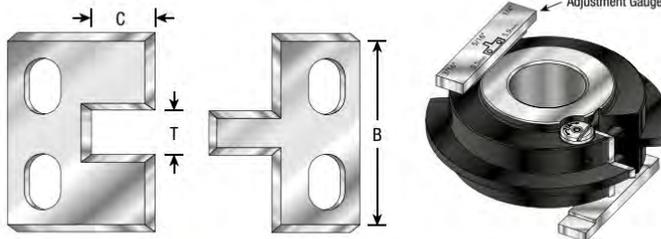


ØD	ØD1	T	C	B	Ød	RPM	Repl. Knife	Repl. Knife	Rub Collar	Tool No.
4	3-1/4	4.7 to 7.9mm (3/16 to 5/16)	3/8	1-3/16	1-1/4	12,900	RCK-236	RCK-238	C-033	61218

Replacement parts: Knives RCK-236 & RCK-238 consist of one pair each; Screw #67117; Adjusting screw #67058; Locking screw #67059.

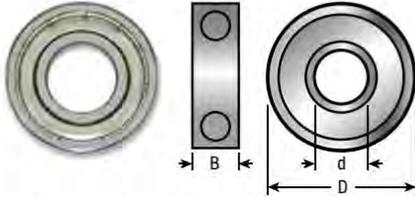


Adjust the panel groove width 3/16" to 5/16"



See Pages 210 for Instile & Rail System™ Adjustable Tongue & Groove Router Bit Sets.

See Page 358-359 Instile & Rail System™ Adjustable Tongue & Groove Shaper Cutters Sets.



BALL BEARING RUB COLLARS

For Shaper Cutters

For 1/2", 3/4" & 1-1/4" Diameter Spindles

Designed for template shaping such as arched or cathedral doors, etc. Features a ball bearing center with a steel sleeve and is available with either 1/2", 3/4" and 1-1/4" inside diameter. Please see page 372 for additional rub collars.

Use for Amana Tool® No.	Ød	ØD	B	Tool No.
SC604, SC606	1/2	1.250 (1-1/4)	5/16	C-002
	1/2	1.500 (1-1/2)	5/16	47806 *
977	3/4	1.500 (1-1/2)	9.5mm	C-044
905, 950, 906, 929, 930, SC636, SC650, SC652, SC654, SC658	3/4	1.625 (1-5/8)	7/16	C-005
901, 968, 969, 980, 998, 991, SC410, SC412, SC630, SC640	3/4	1.750 (1-3/4)	7/16	C-006
921, 922, 927, 928, 932, 938, 940, SC554, SC558, SC590	3/4	1.874 (1-7/8)	7/16	C-008
SC400, SC402, SC404, SC406, SC408	3/4	1.937 (1-15/16)	7/16	C-004
SC440, SC460	3/4	1.964	7/16	C-009
922	3/4	2.063	7/16	C-022
SC585	3/4	2.031 (2-1/32)	7/16	C-039
	3/4	2.106	7/16	C-023
905, 925, 926, 959, 999, SC618, SC640	3/4	2.125 (2-1/8)	7/16	C-011
	3/4	2.153	7/16	C-024
972, 974	3/4	2.250 (2-1/4)	7/16	C-025
SC616, SC441	3/4	2.295	7/16	C-014
911	3/4	2.311	7/16	C-026
962	3/4	2.425	7/16	C-027
961	3/4	2.468	7/16	C-028
940, 986-VC, 985-VC	3/4	2.500 (2-1/2)	7/16	C-016
987-VC	3/4	2.625 (2-5/8)	7/16	47822 *
989	1-1/4	1.850	9mm	C-045
SC532, SC534, SC536	1-1/4	2.000	9mm	C-050
931, 984, 985, 985-LH, 986, 987, A-30-114, A-30-116, A-30-118, A-30-120,	1-1/4	2.500 (2-1/2)	5/8	C-017
SC420, SC426, SC500, SC502, SC504, SC506, SC508, SC509, SC512, SC514, SC516,				
SC520, SC522, SC526, SC528, SC530, SC556, SC559, SC580, SC617, SC584, SC594	1-1/4	2.531	1/2	C-018
SC424, SC540, SC542, SC544, SC546, SC560, SC562, SC564	1-1/4	2.688	1/2	C-019
SC542, SC546	1-1/4	2.874 (2-7/8)	1/2	C-020
61295	1-1/4	3.1875 (3-3/16)	19/32	61659 New
A-28-106, A-29-106, A-30-108	1-1/4	3.250 (3-1/4)	1/2	C-033
A-28-104, A-29-104, A-30-104	1-1/4	3.500 (3-1/2)	1/2	C-035
A-28-102, A-29-102, A-30-102	1-1/4	3.625 (3-5/8)	1/2	C-037
A-28-100, A-29-100, A-30-100	1-1/4	3.750 (3-3/4)	1/2	C-038

*Includes 2 steel shims .007" (#55358); Rub collar shim (#55358)

BALL BEARING RUB COLLARS

For 3/4", 1", 1-1/4" & 30mm Spindle Shapers

Designed for template shapping such as arched or cathedral doors, etc. Features a steel ball bearing center and interchangeable, lightweight aluminum rub collar sleeves. To order, specify rub collar (example: #61600, 75mm), and then order the correct size bearing to fit your spindle. The bearing includes a special steel retaining collar that properly secures the assembly to your spindle (3/4", 1", 1-1/4" or 30mm).

ØD	B	Order No. (Rub collar only)	Ød	D	Order No. (Ball bearing w/ retainer)
75mm	16mm	61600	1-1/4	2-1/2	61650
80mm	16mm	61602	1	2-1/2	61652
90mm	16mm	61606	30mm	2-1/2	61654
95mm	16mm	61608	3/4	2-1/2	61656
100mm	16mm	61610			
4	16mm	61615			
105mm	16mm	61612			
110mm	16mm	61614			
120mm	16mm	61618			
125mm	16mm	61620			
130mm	16mm	61622			
150mm	16mm	61626			

Note: Bearing only
(1-1/4 x 2-1/2) order
#61660 (no retainer).



DOUBLE 'T' REDUCTION BUSHINGS

Ød	ØD	B	C	Tool No.
3/4	1	1-5/16	1-1/4	BU-916
3/4	1-1/4	1-5/16	1-1/2	BU-914



LONG 'T' REDUCTION BUSHINGS

Ød	ØD	A	B	C	Tool No.
3/4	1	1-5/32	1-5/16	1-3/4	BU-926
3/4	1-1/4	1-5/32	1-5/16	1-1/2	BU-924
1	1-1/4	1-5/32	1-5/16	1-1/2	BU-922

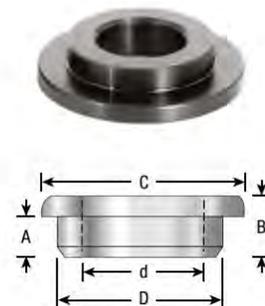


SHAPER CUTTER 'T' REDUCTION BUSHINGS

(With Flange), 2 Required Per Cutter

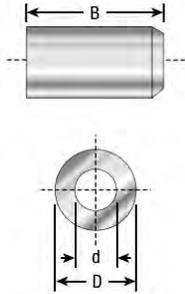
Each item number consists of one of each.

Ød	ØD	A	B	C	Tool No.
1/2	3/4	5mm	9mm	55mm	BU-561
1/2	3/4	1/4	11/32	1	BU-550
1/2	1	5mm	9mm	55mm	BU-565
3/4	1	5mm	9mm	55mm	BU-564
3/4	30mm	5mm	9mm	55mm	BU-562
3/4	1-1/4	5mm	9mm	55mm	BU-570
3/4	1-1/4	1/4	15/32	1-3/4	BU-600
20mm	1-1/4	11/64	1/4	1-3/4	BU-724
1	1-1/4	3/16	9/32	1-3/4	BU-700
1	1-1/4	5mm	9mm	55mm	BU-568
1	1-1/4	1/4	11/32	1-5/8	BU-725
1	1-1/4	1/4	11/32	1-3/4	BU-720
1	1-1/4	11/32	1/2	1-3/4	BU-750
1	30mm	5mm	9mm	55mm	BU-560
1-1/8	1-1/4	13/64	1/4	1-3/4	BU-722
30mm	1-1/4	5mm	9mm	55mm	BU-566



HIGH PRECISION INDUSTRIAL STEEL SPACERS

(Sleeve Bushings) For Shaper Cutters



For 1/2" Spindles

Ød	ØD	B	Tool No.
1/2	3/4	.437 (7/16)	BU-902
1/2	3/4	.500 (1/2)	BU-900
1/2	3/4	.750 (3/4)	BU-910
1/2	3/4	1.062 (1-1/16)	BU-920
1/2	1	.250 (1/4)	67220
1/2	1	.375 (3/8)	67221
1/2	1	.500 (1/2)	67222
1/2	1	.750 (3/4)	67223
1/2	1	1	67224

For 3/4" Spindles

Ød	ØD	B	Tool No.
3/4	1	.250 (1/4)	67230
3/4	1	.375 (3/8)	67243
3/4	1	.437 (7/16)	BU-904
3/4	1-1/4	.250 (1/4)	67225
3/4	1-1/4	.375 (3/8)	67226
3/4	1-1/4	.437 (7/16)	BU-906
3/4	1-1/4	.500 (1/2)	67227
3/4	1-1/4	.750 (3/4)	67228
3/4	1-1/4	1	67229
3/4	1-1/2	.250 (1/4)	67241
3/4	1-5/8	.250 (1/4)	67242
3/4	1-7/8	.250 (1/4)	919

For 1" Spindles

Ød	ØD	B	Tool No.
1	1-1/4	.437 (7/16)	BU-908
1	1-1/2	.250 (1/4)	67231
1	1-1/2	.375 (3/8)	67232
1	1-1/2	.500 (1/2)	67233
1	1-1/2	.750 (3/4)	67234
1	1-1/2	1	67235

For 30mm Spindles

Ød	ØD	B	Tool No.
30mm	1-1/4	.250 (1/4)	67244
30mm	1-1/4	.375 (3/8)	67245
30mm	1-1/4	.500 (1/2)	67246
30mm	1-1/4	.750 (3/4)	67247
30mm	1-1/4	1	67248

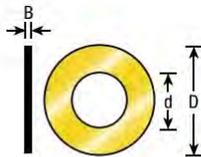


For 1-1/4" Spindles

Ød	ØD	B	Tool No.
1-1/4	1-3/4	.250 (1/4)	67236
1-1/4	1-3/4	.375 (3/8)	67237
1-1/4	1-3/4	.500 (1/2)	67238
1-1/4	1-3/4	.750 (3/4)	67239
1-1/4	1-3/4	1	67240

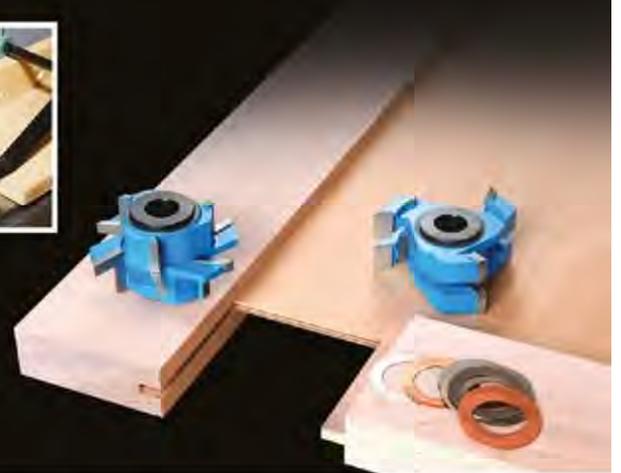
8 PC. SHIM SETS FOR SHAPER CUTTERS

Application: General purpose arbor steel shims used on assembly type tools that require cutter adjustment. Particularly useful after tool re-sharpening.



Diameters: 'd' Inside x 'D' Outside	8 Pc Set Includes: 'B' Shim Thickness	Qty.	Tool No.
3/4 x 1-1/4	0.1mm (.0040)	1pc.	67250
	0.2mm (.0078)	2pc.	
	0.5mm (.0197)	1pc.	
	1.0mm (.0393)	4pc.	
1-1/4 x 1-3/4	0.1mm (.0040)	1pc.	67252
	0.2mm (.0078)	2pc.	
	0.5mm (.0197)	1pc.	
	1.0mm (.0393)	4pc.	
1-1/4 x 1-31/32	0.1mm (.0040)	2pc.	67208
	0.2mm (.0078)	2pc.	
	0.5mm (.0197)	1pc.	
	1.0mm (.0393)	1pc.	
	2.0mm (.0788)	1pc.	
	3.0mm (.1182)	1pc.	

Safety Guidelines for shaper cutters

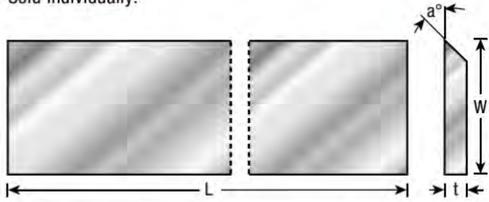


1. Always make sure the machine is disconnected from the power source while going through these important steps.
2. Always refer to your machine owner's manual prior to using your shaper. Learn the machines' applications and limitations as well as the potential hazards.
3. Always wear eye and hearing protection. Keep clothing clear of cutting area.
4. Make certain that the stock is not warped or twisted and is free of any knots, nails, screws, staples, grit or any other foreign object.
5. Always examine the cutters for dull, worn or damaged knives. Never use a dull, worn or damaged tool.
6. When using insert tooling, be sure all knives are installed correctly and securely tightened. Never make adjustments to cutters or knives while shaper is plugged in.
7. Check the direction of the cutter rotation. The sharp leading edge of the knife should be the first to touch the material.
8. Always be sure the spindle nut is securely tightened.
9. Never feed the material in the same direction that the cutterhead rotates.
10. Make sure that both the in feed and out-feed fences are in alignment with each other.
11. Carefully rotate the spindle by hand to be sure that your cutters clear the fence and guards. Never make adjustments to shaper while cutters are turning or the power is on.
12. Always use the safety guards supplied with your machinery. Never remove any safety guards or safety devices. Never make any cuts freehand!
13. Allow at least a minimum safety distance of 4 inches between the cutters and your hands when cutting material. Always use push blocks or sticks when working with small or narrow pieces.
14. Never stand behind the material being shaped.
15. Avoid shaping stock less than 10 inches in length.
16. Hold down the material firmly and feed it into the cutters with a constant and steady feed rate. Do not over-reach.
17. Always feed the material against the cutters. Never remove any stock until the entire length has passed completely through the cutters.
18. Failure to follow safety instructions and warnings could result in serious bodily injury or death.

HSS PLANER & JOINTER KNIVES

T-1 High-Speed Steel (HSS) • 18% Tungsten

Sold individually.



L	W	t	a°	Tool No.
15	1	1/8	45°	P 445
16	1	1/8	45°	P 442
20	1	1/8	45°	P 450
20	35mm	1/8	45°	P 455
24	1	1/8	45°	P 480
24	1-1/4	1/8	45°	P 490
25	1-1/4	1/8	45°	P 590
31	1	1/8	45°	P 650
31	1-1/4	1/8	45°	P 660
37	5/8	1/8	45°	P 700
37	1-1/2	1/8	45°	P 772
37	5/8	3/32	45°	P 740

Metric Sizes

L	W	t	a°	Tool No.
10	30mm	1/8	45°	P 432
300mm	35mm	3mm	45°	P 731
350mm	35mm	3mm	45°	P 733



HSS PLANER & JOINTER KNIFE SETS

T-1 High-Speed Steel (HSS) • 18% Tungsten

L	W	t	a°	Knives Per Set	Tool No.
4	5/8	1/8	45°	3	P 100
4-3/8	5/8	1/8	45°	3	P 130
6	5/8	1/8	45°	3	P 150
6	5/8	1/8	45°	4	P 160
6	3/4	1/8	45°	3	P 165
6	7/8	1/8	45°	3	P 170
6-1/16	5/8	3/32	45°	3	P 190
6-1/8	5/8	1/8	45°	3	P 220
6-1/8	3/4	1/8	45°	3	P 230
8	5/8	1/8	45°	3	P 270
8	3/4	1/16	45°	3	P 280
8	3/4	1/8	45°	3	P 290
8	3/4	1/8	45°	4	P 294
8	7/8	1/8	45°	3	P 300
8	1	1/8	45°	3	P 310
12	5/8	1/8	45°	3	P 360
12	3/4	1/8	45°	3	P 370
12	1	1/8	45°	3	P 390
12	1-1/4	1/8	45°	3	P 395
12-1/2	7/8	1/8	45°	3	P 430
12-1/2	11/16	1/8	45°	3	P 431

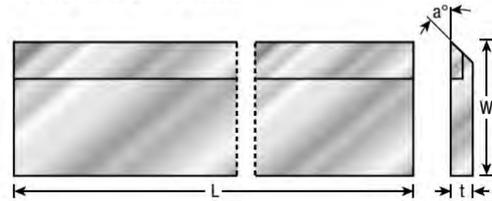
Metric Sizes

L	W	t	a°	Knives Per Set	Tool No.
100mm	30mm	3mm	45°	4	P 120
130mm	30mm	3mm	45°	4	P 140
150mm	30mm	3mm	45°	4	P 180
180mm	30mm	3mm	45°	4	P 240

PLANER & JOINTER KNIVES

Carbide Tipped

An economical alternative to solid carbide knives. Longer tool life than standard HSS knives.

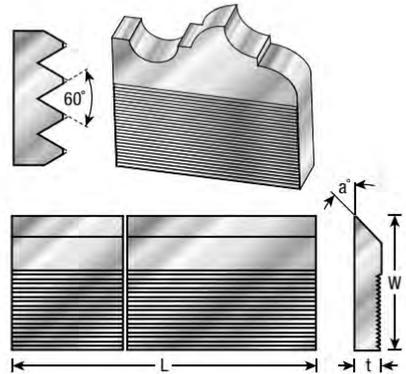


L	W	t	a°	Tool No.
6	5/8	1/8	45°	CTP-110
6	3/4	1/8	45°	CTP-120
8	5/8	1/8	45°	CTP-130
8	3/4	1/8	45°	CTP-140
15	1	1/8	45°	CTP-170
20	1	1/8	45°	CTP-200

CORRUGATED BACK MOULDER STEEL

M-2 High-Speed Steel (HSS)

L	W	a°	Tool No. t = 1/4"	Tool No. t = 5/16"
25	1-1/4	45°	CSK-100	CSK-300
25	1-1/2	45°	CSK-110	CSK-310
25	1-3/4	45°	CSK-120	CSK-320
25	2	45°	CSK-130	CSK-330
25	2-1/4	45°	CSK-140	CSK-340
25	2-1/2	45°	-	CSK-350
25	3	45°	-	CSK-370



DICUT™ LAMINATE CUTTER

Carbide Tipped

Quality craftsmanship in your work requires the highest quality in hand tools. Dicut™ is a precision cutting tool made with perfectly ground carbide edges for fast, accurate cutting and scoring of laminates, plastics, Plexiglas® and other materials. Tool features lightweight steel construction, special 'safety-grip' plastic coated handle, and carbide-tips that can be re-sharpened. Packaged in a colorful, attractive clamshell.

Useful for precision cutting of: Formica®, plastic and Plexiglas®

Description	Tool No.
Dicut™ Laminate Cutter	20003



MAGNETIC KNIFE SETTER

For Planers & Jointers

- Precise adjustments for leveling knives.
- Tool is calibrated with metric dimensions.
- Simple to use.
- Heavy duty magnets.
- Spring loaded magnetized ceramic stop.
- Works with size drums or knives.
- Includes wooden box with instructions.

Description	Tool No.
Universal Knife Setter	MKS-100



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CONVERSION TABLE

Inch Decimals	Inch Fractions (x)						MM	Millimeters				
	/64	/32	/16	/8	/4	/2		1" + (x)	2" + (x)	3" + (x)	4" + (x)	5" + (x)
0.015625	1/64						0.397	25.400	50.800	76.200	101.600	127.000
0.031250		1/32					0.794	25.797	51.197	76.597	101.997	127.397
0.046875	3/64						1.191	26.591	51.991	77.391	102.791	128.191
0.062500			1/16				1.588	26.988	52.388	77.788	103.188	128.588
0.078125	5/64						1.984	27.384	52.784	78.184	103.584	128.984
0.093750		3/32					2.381	27.781	53.181	78.581	103.981	129.381
0.109375	7/64						2.778	28.178	53.578	78.978	104.378	129.778
0.125000				1/8			3.175	28.575	53.975	79.375	104.775	130.175
0.140625	9/64						3.572	28.972	54.372	79.772	105.172	130.572
0.156250		5/32					3.969	29.369	54.769	80.169	105.569	130.969
0.171875	11/64						4.366	29.766	55.166	80.568	105.966	131.366
0.187500			3/16				4.762	30.162	55.562	80.962	106.362	131.762
0.203125	13/64						5.159	30.559	55.959	81.359	106.759	132.159
0.218750		7/32					5.556	30.956	56.356	81.756	107.156	132.556
0.234375	15/64						5.953	31.353	56.753	82.153	107.553	132.953
0.250000					1/4		6.350	31.750	57.150	82.550	107.950	133.350
0.265625	17/64						6.747	32.147	57.547	82.947	108.347	133.747
0.281250		9/32					7.144	32.544	57.944	83.344	108.744	134.144
0.296875	19/64						7.541	32.941	58.341	83.741	109.141	134.541
0.312500			5/16				7.938	33.338	58.738	84.138	109.538	134.938
0.328125	21/64						8.334	33.734	59.134	84.534	109.934	135.334
0.343750		11/32					8.731	34.131	59.531	84.931	110.331	135.731
0.359375	23/64						9.128	34.528	59.928	85.328	110.728	136.128
0.375000				3/8			9.526	34.925	60.325	85.725	111.125	136.525
0.390625	25/64						9.922	35.322	60.722	86.122	111.522	136.922
0.406250		13/32					10.319	35.719	61.119	86.519	111.919	137.319
0.421875	27/64						10.716	36.116	61.516	86.916	112.316	137.716
0.437500			7/16				11.112	36.512	61.912	87.312	112.712	138.112
0.453125	29/64						11.509	36.909	62.309	87.709	113.109	138.509
0.468750		15/32					11.906	37.306	62.706	88.106	113.506	138.906
0.484375	31/64						12.303	37.703	63.103	88.503	113.903	139.303
0.500000					1/2		12.700	38.100	63.500	88.900	114.300	139.700
0.515625	33/64						13.097	38.497	63.897	89.297	114.697	140.097
0.531250		17/32					13.494	38.894	64.294	89.694	115.094	140.494
0.546875	35/64						13.891	39.291	64.691	90.091	115.491	140.891
0.562500			9/16				14.288	39.688	65.088	90.488	115.888	141.288
0.578125	37/64						14.684	40.084	65.484	90.884	116.284	141.684
0.593750		19/32					15.081	40.481	65.881	91.281	116.681	142.081
0.609375	39/64						15.478	40.878	66.278	91.678	117.078	142.478
0.625000				5/8			15.875	41.275	66.675	92.075	117.475	142.875
0.640625	41/64						16.272	41.672	67.072	92.472	117.872	143.272
0.656250		21/32					16.669	42.069	67.469	92.869	118.269	143.669
0.671875	43/64						17.066	42.466	67.866	93.266	118.666	144.066
0.687500			11/16				17.462	42.862	68.262	93.662	119.062	144.462
0.703125	45/64						17.859	43.259	68.659	94.059	119.459	144.859
0.718750		23/32					18.256	43.656	69.056	94.456	119.856	145.256
0.734375	47/64						18.653	44.053	69.453	94.855	120.253	145.653
0.750000					3/4		19.050	44.450	69.850	95.250	120.650	146.050
0.765625	49/64						19.447	44.847	70.247	95.647	121.047	146.447
0.781250		25/32					19.844	45.244	70.644	96.044	121.444	146.844
0.796875	51/64						20.241	45.641	71.041	96.441	121.841	147.241
0.812500			13/16				20.638	46.038	71.438	96.838	122.238	147.638
0.828125	53/64						21.034	46.434	71.834	97.234	122.634	148.034
0.843750		27/32					21.431	46.831	72.231	97.631	123.031	148.431
0.859375	55/64						21.828	47.228	72.628	98.028	123.428	148.828
0.875000				7/8			22.225	47.625	73.025	98.425	123.825	149.225
0.890625	57/64						22.622	48.022	73.422	98.822	124.222	149.622
0.906250		29/32					23.019	48.419	73.819	99.219	124.619	150.019
0.921875	59/64						23.416	48.816	74.216	99.616	125.016	150.416
0.937500			15/16				23.812	49.212	74.612	100.012	125.412	150.812
0.953125	61/64						24.209	49.609	75.009	101.409	126.809	152.209
0.968750		31/32					24.606	50.000	75.406	100.806	126.206	151.606
0.984375	63/64						25.003	50.403	75.803	101.203	126.603	152.003

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