Amana Tool®

INDUSTRIAL CUTTING TOOLS FOR WOOD & ADVANCED MATERIALS

For 45+ 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 industry. 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.

Amana Tool®
INDUSTRIAL CUTTING TOOLS

Contents

The specifications, current at time of publication, are intended for reference purposes and are subject to change without notice.

Expanded CNC Spektra™ tool line with nACo® nanocomposite coating for longer tool life

pg. 12, 13, 15, 27, 29-31, 37-38, 55-59, 63-73, 77, 102-108, 247

IN PRESTA

The extremely fast CNC nesting bit.
3-Flute high production straight plunge.

pg. 93

FLUSH TRIM TEMPLATE PLUNGE BITS

MINI DESIGN

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

pg. 122

PCD TOOLING

Larger selection of polycrystalline diamond tipped router bits

pg. 44

2D/3D CARVING CNC ROUTER BITS

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

pg. 11

SPOILBOARD RESURFACING CNC INSERT ROUTER BITS

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

pg. 112

2+2 DESIGN

5-Wing

3-Wing

HEAVY DUTY SPOILBOARDS

3 and 5-Wing Heavy Duty Spoilboards

pg. 115

PLASTIC & ALUMINUM SPIRAL 'O' FLUTE BITS

Solid carbide bits available in up & down-cut

Aluminum pg. 26

Plastic pg. 3

ACM CUTTING SOLUTIONS

Router bits and saw blades available for scoring aluminum sandwich materials

pg. 8

NO-MAR COUNTERSINKS

The countersink leaves a clean hole edge and the adjustable depth-stop doesn't mar the surface

pg. 292

Designed for MULTI-MATERIALS

58-PC LED MASTER CNC ROUTER BIT COLLECTION

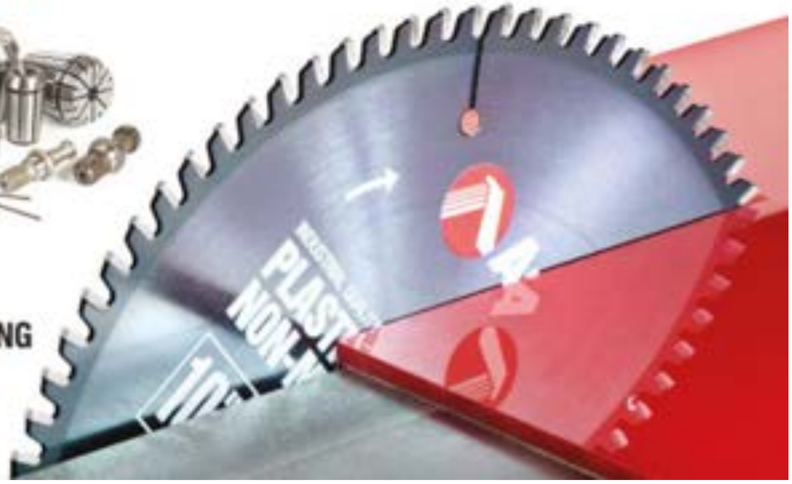
The most versatile collection of industrial quality router bits for all your CNC applications

pg. 76

HIGH PRECISION CNC ACCESSORIES

For all your cnc tooling needs

pg. 78



NON-MELT SAW BLADE WITH ELECTRO-BLU™ COATING

Many new saw blades available featuring this eco-friendly coating

pg. 307

ALUMINUM

ALUMINUM COMPOSITE MATERIAL (ACM)

ARCHITECTURAL

CARVING 2D/3D

CNC SETS

CNC ACCESSORIES

COMPOSITE

For a complete listing by product number, see numerical index on pages 394-400.

DOORMAKING

FOAM

GROOVING

JOINTING

MINIATURE

MORTISING

PANEL PILOT

For a complete listing by product number, see numerical index on pages 394-400.

POLYCRYSTALLINE DIAMOND (PCD)

- Compression Up/ Down Shear 44
- Engraving, V-Groove & Chamfer 45
- Straight Plunge 45
- Aluminum Composite Material (ACM) 46
- Spoilboard 47
- T-Slot 47
- Corner Round 48

PLASTIC

- Solid Carbide Spiral 'O' Flute 26-27
- Solid Carbide Spektra™ Spiral 'O' Flute 27
- Solid Carbide Double 'O' Flute 28
- Spiral 'O' Flute CNC Sets 28
- Solid Carbide Edge Rounding 29
- Solid Carbide Single 'O' Flute 29
- Solid Carbide Double Straight Grind 29

- HSS Straight 'O' Flute 30
- Solid Carbide Spiral Finisher 30
- Solid Carbide Spiral Ball Nose 31
- Slow Spiral 'O' Flute Finisher 32
- Slow Spiral Finisher 32
- CNC Trim Saw Blade & Arbor 32
- Flush Trim 33

- Single & Double 'O' Flute 33
- 3°, 5° and 7° Patternmaker 33
- In-Plastic™ Chamfer System 33
- ZrN Spiral Composite, Fiberglass 37
- ZrN Glass Reinforced Plastic 37

PROFILING

- Chamfer 147
- Insert Adjustable Chamfer 148-149
- Corner Rounding & Beading 150-152
- Bullnose 153-154
- Cove & Bead 155-157
- Classical Cove & Ogee 158-159
- NOVA™ Multi-Profile System 160-161

- Convex Edge & Hand Grip 162
- Wavy & Reed Edge 163-164
- Ogee 164
- 'Leaf-Edge' & Beading 165-167
- Edge Fluting 168
- Double & Triple Beading 169
- In-Tech™ Series Insert Knives 170-171

SIGNMAKING, LETTERING & V-GROOVE

- Insert V-Groove 50-51
- In-Groove™ System 52-53
- V-Groove 54
- 60° Signmaking & Lettering 55
- 30°, 45° & 60° Engraving 56
- ZrN 90° V-Groove & Engraving 57
- "Zero-Point" 60° & 90° V-Groove 57

- Carving & Engraving 58
- Carving Liner 58
- 60° Lettering 59
- Core Box & V-Groove 59
- Signmaking CNC Sets 55, 63-64, 69-72

SOLID SURFACE

- Counter-Top 'No-Drip' Design 241
- Round Over 242
- Corner Rounding 242-243
- Bowl & Sink Trim 244
- Flush Trim 245
- Spiral 'O' Flute & Spektra™ Spiral 'O' Flute 246-247
- Cut-Out 248

SOLID SURFACE (CONT'D)

- Cove/Backsplash 249
- Undermount Bowl 250-252
- Karran® Stainless Steel Sink Edge Bits 253
- Topmount Router European Type 254
- Decorative Edge 255-256
- Wavy Joint 255

SOLID CARBIDE SPIRAL & COMPRESSION

- Spiral Flute Plunge 2 & 3 Flute 101
- Spektra™ Spiral Flute Plunge 2 & 3 Flute 102
- Spiral Flute Plunge for Solid Wood 102
- Compression & Spektra™ Compression 103-104
- Mortise Compression & Spektra™ Mortise Compression 105-106
- Compression Nesting 105
- Spiral Ball Nose 108

SPOILBOARD

- Insert 2+2 Spoilboard 113
- Mini Insert 2+2 114
- Heavy Duty 3 & 5-Wing 115
- Insert 2-Wing 116
- Insert Eased Edge 116
- Carbide Tipped 3 & 4 Flute 117
- Diamond PCD 47

STEEL, STAINLESS STEEL

- AlTiN Up-Cut Spiral 18
- AlTiN Mini End Mills 19
- HSS Door Bits 19
- AlTiN Multi-Helix Spiral 20
- AlTiN 90° 'V' Spiral Drills 21
- AlTiN 60° Countersink 21
- Carbide Burr Bits 22-24

STRAIGHT PLUNGE

- Straight Plunge 90-92, 95
- Production Shear 94
- Opposite-Shear Staggered Tooth 94
- Super Plunge™ 95
- Insert Up & Down Shear 98
- Insert Stagger Tooth 99
- Insert Roughing Rabbeting & Sizing 99

TRIM

- Flush Trim Template 122-123
- Dado Clean-Out 124
- Flush Trim with Ball Bearing Guide 125-128
- No-File™ Trim 127
- Dynabit™ Laminate Trim 127
- Supertrim 3° & 5° Shear 128
- Laminate Trimmer with Euro™ Square Bearing 129

- UltraTrim™/ Spiral Trim 130-131
- Bevel Trim 132-133
- Bevel and Flush Trim 133
- EZ-Change™ Series 134-135
- AlTiN Panel Pilot 135
- Panel Pilot 135-136
- Weatherseal 136

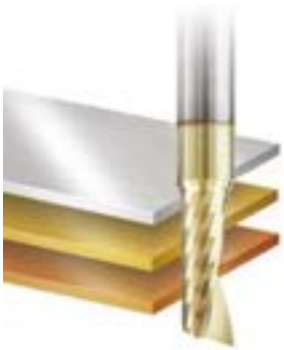
COUNTERSINKS

- 82° Countersinks 293-296
- Counterbores 297
- No-Mar Countersinks 297-299
- Economy No-Mar Countersinks 300


UP TO
2.5X
LONGER LIFE
COMPARED TO UNCOATED BITS
SPEKTRA™
EXTREME TOOL LIFE COATING
PLASTIC BITS
pg. 25-33
MDF / LAMINATE / WOOD BITS
pg. 100-107
COMPOSITE BITS
pg. 34-41
2D/3D CARVING BITS
pg. 11-15
THE ULTIMATE CHOICE FOR INDUSTRIAL CNC CUTTING

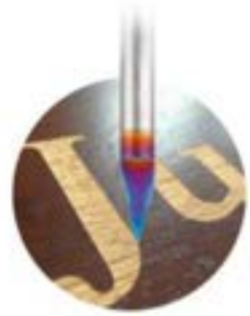
Amana Tool® **INDUSTRIAL**

Large Assortment of Router Bits for Today's Advanced Materials


Aluminum, Brass & Copper
pg. 2


Plastic, Plexiglas® / Lucite®
pg. 25


Composite, Fiberglass & Honeycomb
pg. 34


Fine Engraving
pg. 56


V-Groove, Signmaking, Lettering & Engraving
pg. 49


Aluminum Composite Material (ACM)
pg. 8


2D/3D Carving
pg. 11


Foam & Expanded Polystyrene (EPS)
pg. 15


Stainless Steel & Steel
pg. 17


Door Making
pg. 212


Laminate, Melamine & MDF
pg. 100 & 122


Insert Spoilboard
pg. 112


Wood & Plywood
pg. 90

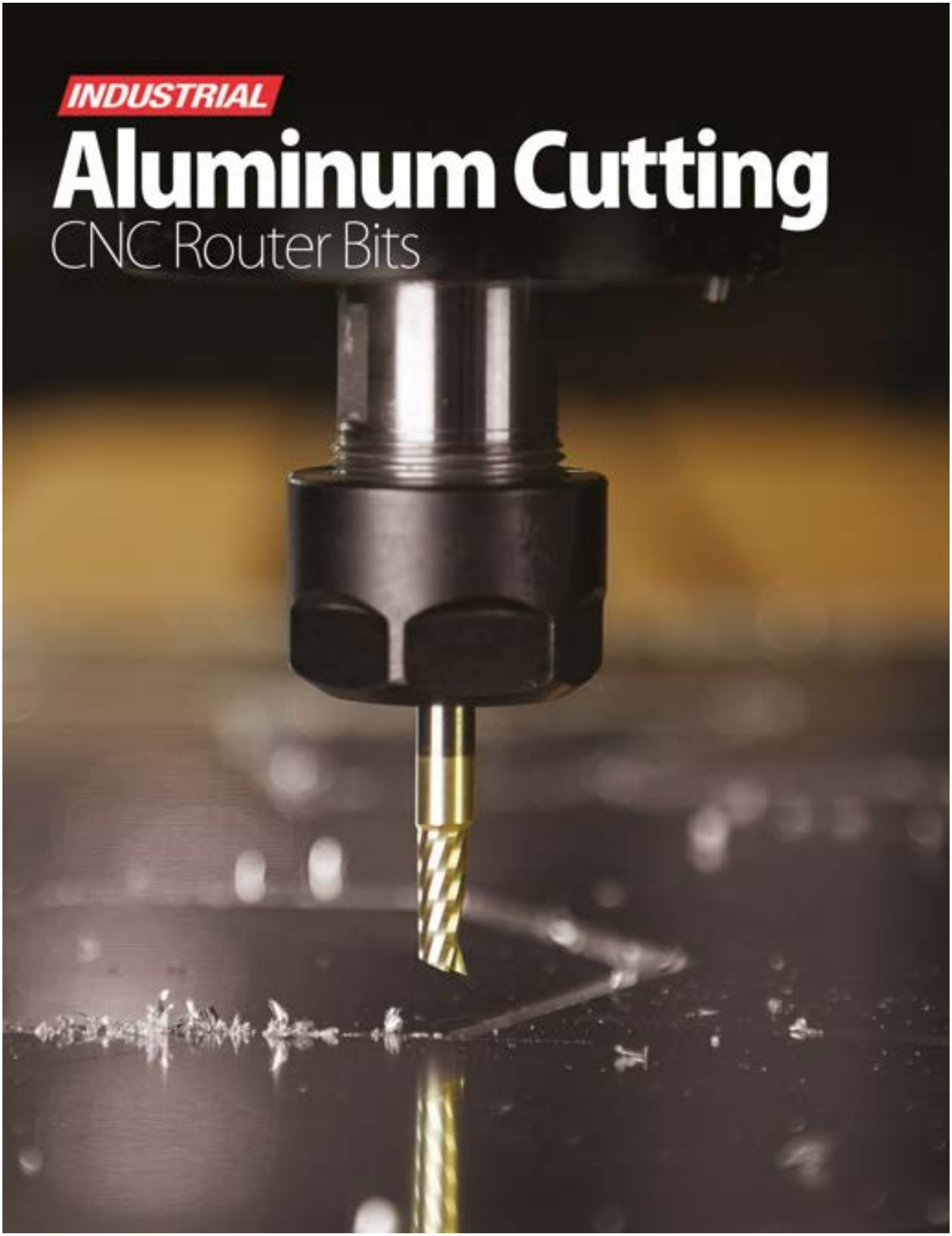

Countersinks
pg. 292


CNC Sets
pg. 62

INDUSTRIAL

Aluminum Cutting

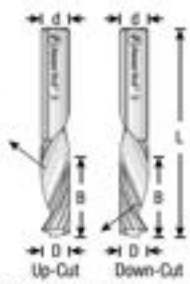
CNC Router Bits



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 result is clean cuts, less chance for chip re-welding, a superior surface finish and longer tool life.



Benefits of Mirror Finish:

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

Mirror FINISH

ØD	B	Ød	L	'Up-Cut' Tool No.	'Down-Cut' Tool No.
1/16	1/4	1/8	1-1/2	51470 † **	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	51772
1/8	5/16	1/8	1-1/2	51406 †	51506 †
1/8	5/16	1/4	1-1/2	51373	—
1/8	1/2	1/8	2	51459 †	51501 †
1/8	1/2	1/4	2	51454	51503
1/8	5/8	1/4	2-1/2	51482	—
1/8	3/4	1/4	2-1/2	51486	—
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	51508
3/16	5/8	3/16	2	51375	—
3/16	5/8	1/4	2	51478	51838 New
3/16	7/8	1/4	2-1/2	51456	—
1/4	3/8	1/4	2	51479	51774
1/4	5/8	1/4	2	51402	51502
1/4	5/8	1/4	2-1/2	51401	—
1/4	3/4	1/4	2	51377	—
1/4	3/4	1/4	2-1/2	51480	51775
1/4	7/8	1/4	2-1/2	51458	—
1/4	1-1/4	1/4	3	51481	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 New	—
21/64	3/4	1/2	3	51455	—
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 New	—
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 New	—
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*	—

† 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.

Warning: Maximum RPM=35,000

5-Packs Includes	Tool No.
51377 (5 Pcs. each)	51377-5
51402 (5 Pcs. each)	51402-5
51454 (5 Pcs. each)	51454-5
51470 (5 Pcs. each)	51470-5
51474 (5 Pcs. each)	51474-5
51480 (5 Pcs. each)	51480-5

5-Packs Includes	Tool No.
51408 (5 Pcs. each)	51408-5
51486 (5 Pcs. each)	51486-5
51481 (5 Pcs. each)	51481-5

CNC feed and speed available online

Excellent For Cutting:

- Aluminum
- Aluminum 5052
- Aluminum 6061
- Aluminum Alloys
- Aluminum Composite Material (ACM)
- Aluminum Composite Panel (ACP)
- ALPOLIC® Copper Composite Material (CCM)
- Alucobond®
- Alupanel®
- Brass
- Copper
- Dibond®
- Durabond
- e-panel™
- Etalbond®
- Fomex® with Aluminum Face
- Gold
- Silver
- Titanium Composite Material (TCM)
- Wood

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.

Packs Includes	Tool No.
51471, 46291, 51470	
51406 & 51459 (1/8 Shank)	AMS-161 New
51402 & 51474 (1/4)	AMS-194 New

Benefits of ZrN Coating:

- Creates a harder and tougher cutting edge
- Optimized flute geometry and low Total Indicated Runout (TIR) guarantees clean cuts, essentially eliminates sanding and reduces chatter when used with low TIR spindles
- Allows for a prolonged cutting edge life
- Helps to prevent the build-up of material in the flutes while cutting
- High flute volume supports high feedrates and chip loads

Excellent For Cutting:

- Aluminum
- Aluminum 6061
- Aluminum Alloys
- ACM
- ACP
- CCM
- Alucobond®
- Alupanel®
- Brass
- Copper
- Dibond®
- Durabond
- e-panel™
- Etalbond®
- Gold
- Silver
- TCM
- Wood

▲ **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.

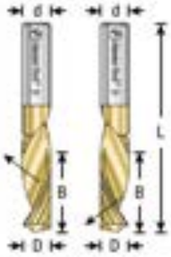
CNC ALUMINUM CUTTING SPIRAL 'O' FLUTE *New*

ZrN COATED

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

Mirror FINISH

Produce super clean, smooth cuts in aluminum and non-ferrous metals. For material cut list visit www.amanatool.com.



Up-Cut Down-Cut


Single Flute

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
1/16	1/4	1/8	1-1/2	51470-Z†**	—
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	—
1/8	5/16	1/8	1-1/2	51406-Z†	51506-Z†
1/8	5/16	1/4	1-1/2	51373-Z	51777-Z
1/8	1/2	1/8	2	51459-Z†	—
1/8	1/2	1/4	2	51454-Z	51503-Z
1/8	5/8	1/4	2-1/2	51482-Z	—
1/8	3/4	1/4	2-1/2	51486-Z	51776-Z

ØD	B	Ød	L	'Up-Cut' Tool No.	'Down-Cut' Tool No.
3/16	3/8	1/4	2	51477-Z	—
3/16	1/2	1/4	2	51408-Z	51508-Z
3/16	5/8	1/4	2	51478-Z	51838-Z
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	51502-Z
1/4	3/4	1/4	2	51377-Z	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	—

8 Piece Set	Tool No.
51470-Z, 51406-Z, 51474-Z, 51454-Z, 51408-Z, 51402-Z, 51502-Z, 51480-Z, RB-102 (2 included)	AMS-160-Z

5-Packs	Tool No.
51377-Z	51377-Z-5
51402-Z	51402-Z-5
51474-Z	51474-Z-5

5-Packs	Tool No.
51470-Z	51470-Z-5
51454-Z	51454-Z-5
51408-Z	51408-Z-5

† 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

CNC ALUMINUM CUTTING SPIRAL 'O' FLUTE *New*

ZrN COATED

Mirror FINISH

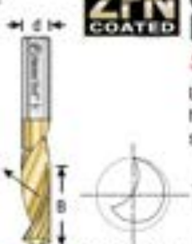
Produce super clean, smooth cuts in aluminum and non-ferrous metals. For material cut list visit www.amanatool.com.

Solid Carbide • 2 Flute • Up-Cut

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

Solid Carbide • Single Flute • Ball Nose

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



Single Flute

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

ZrN COATED

Solid Carbide • Single Flute • Up-Cut

Mirror FINISH

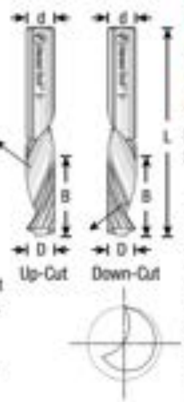
Using the highest quality carbide, these bits have a special proprietary edge processing system featuring a super high polished cutting edge witha unique "mirror finish". The result is clean cuts, less chance for chip re-welding, a superior surface finish and longer tool life.

ØD	B	Ød	L	'Up-Cut' Tool No.
1/16	3/16	1/8	1-1/2	57340-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

ØD	B	Ød	L	'Up-Cut' Tool No.
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



Up-Cut Down-Cut

Single Flute

METRIC CNC ALUMINUM CUTTING SPIRAL 'O' FLUTE

Solid Carbide • Single Flute • Up & Down-Cut

Mirror FINISH

Produce clean, smooth cuts in aluminum and non-ferrous metals. For 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	—

ØD	B	Ød	L	'Up-Cut' Tool No.	'Down-Cut' Tool No.
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	—

▲ **Warning:** Maximum RPM=35,000

CNC feed and speed available online

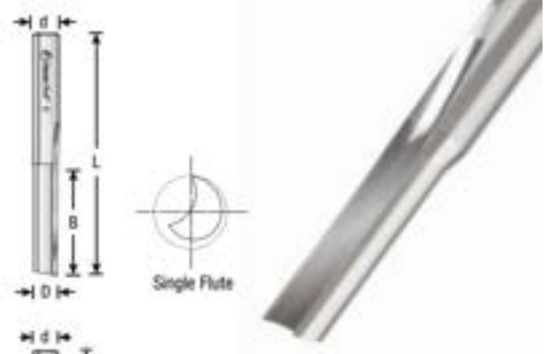
ALUMINUM CUTTING 'O' FLUTE *New*

Solid Carbide • Single 'O' Flute • Straight Grind

Combining "mirror-finish" fluting which insures the best of cutting edges possible in a solid carbide tool, along 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	1/4	2	43530
1/8	13/16	1/4	2	43531
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



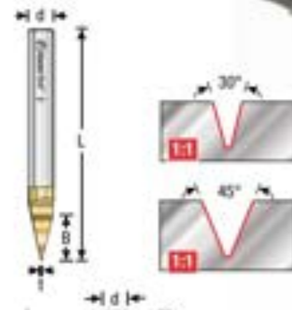
ZrN COATED

30° AND 45° ENGRAVING *New*

1/4" Shank • Solid Carbide • Single Flute

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

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



ZrN COATED

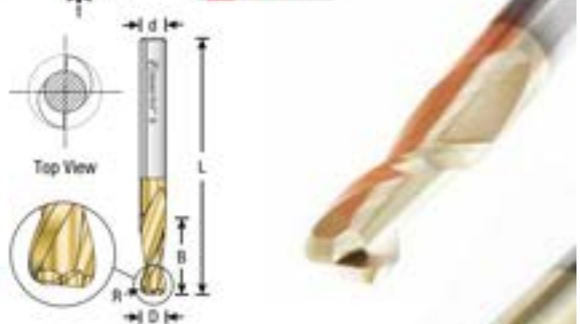
SPIRAL FLUTE PLUNGE WITH CORNER RADIUS *New*

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 • 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

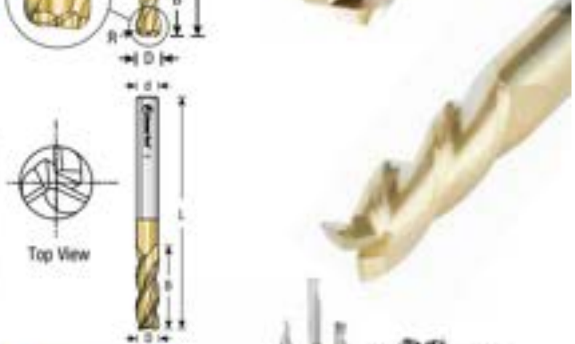


ALUMINUM CUTTING SQUARE END MILL

Solid Carbide • 3 Flute • Up-Cut

Produce super clean and extra smooth finish cut in Aluminum and non-Ferrous metals.

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



8-PC. CNC ALUMINUM CUTTING SPIRAL 'O' FLUTE

1/4" SHANK

1/4" Shank • Solid Carbide Spiral Router Bit Collection

Excellent For Cutting:

- Aluminum /Alloys
- ACM
- ACP
- Alucobond®
- Alupanel®
- Brass/Bronze
- CCM
- Copper
- Dibond®
- Durabond
- e-panel™
- Etalbond®
- Fomex® with Aluminum Face
- Silver/Gold
- TCM
- Wood

CNC feed and speed available online

Set #AMS-160 Includes:
51474, 51454, 51408, 51402, 51480, 51481, 51508 & 51502

18-PC. CNC ADVANCED ALUMINUM CUTTING

1/4" SHANK

1/4" Shank • Solid Carbide Router Bit Collection

Excellent For Cutting:

- Aluminum
- Aluminum Alloys
- ACM
- Alucobond®
- Alupanel®
- Brass/Bronze
- Carbon Fiber
- CCM
- Composites
- Copper
- Dibond®
- Fiberglass
- Fomex® with Aluminum Face
- Graphite
- HDF/MDF
- HDU
- Laminate
- Phenolic Composites
- Plastic/Acrylic
- Plywood
- Silver/Gold
- Sign Foam
- TCM
- Wood

Set #AMS-162 Includes:
51474, 51454, 51477, 51408, 51478, 51479, 51402, 51480, 51502, 45762, 46280, 46282, 51452, 51464, 51460 & RC-1075

CNC feed and speed available online

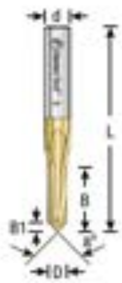
ZrN COATED

SOFT ALUMINUM CUTTING

Solid Carbide • Single Flute • Up-Cut

Solid carbide single flute aluminum router bits, Zirconium Nitride (ZrN) coated, are especially 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



ZrN COATED

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	3/4	0.310	1/4	2-1/4	2	45613 New
60°	1/4	3/4	0.214	1/4	2-1/4	2	45615 New
90°	1/8	5/8	1/16	1/8	2	2	45608
90°	1/8	5/8	1/16	1/4	2-1/4	2	45609
90°	3/16	5/8	3/32	1/4	2-1/4	2	45610
90°	1/4	3/4	1/8	1/4	2-1/4	2	45612
90°	3/8	3/4	3/16	3/8	2-1/2	2	45614
90°	1/4	1/4	1/8	1/4	1-1/2	3	45626-Z New

ZrN COATED

RADIUS & CHAMFER EDGE NON-FERROUS CUTTING END MILL

Solid Carbide • Single Flute • Up-Cut

By combining the up-cut design along with the common 3/32" convex radius or 45° chamfer, you can maximize your efficiency by routing 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

CNC 4 FACET DRILLS

Solid Carbide • 118° Drill Point

Drill non-ferrous, iron and a variety of steels.
See website for full material list. 2-flute design.

Drill Press

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
9/16	4	9/16	6	SCFD-126
3/4	4	3/4	6	SCFD-128

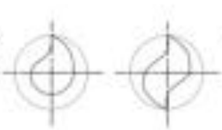
† Router collet reducer RB-102 (1/4 to 1/8) available for 1/8 shank drills.

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

CNC feed and speed available online

HIGH SPEED STEEL (HSS) FOR ALUMINUM

Up-Cut & Down-Cut


Single Flute 2 Flute

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 New	—
5/16	3/4	1/2	2	3-1/4	HSS1637	HSS1657
5/16	3/4	3/8	2	3	HSS1638	—
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

CNC feed and speed available online

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.

Up-Cut

Down-Cut

Excellent For Cutting:

1 Flute (Up-Cut)
Aluminum Plate
Natural Wood Plate

1 Flute (Down-Cut)
Aluminum Plate

2 Flute (Down-Cut)
Aluminum Extrusions
Natural Wood Plate

2 Flute (Up-Cut)
Aluminum Plate
Aluminum Block
Natural Wood Plate

ALUMINUM CUTTING 55° HELIX END MILLS

Solid Carbide • 2 & 3 Flute

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

New 55° helix 2 & 3 flute endmills with the ideal geometry for superb finishing of aluminum and other non-ferrous materials.

Unique design for cutting aluminum, brass, bronze, copper and other 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

CNC feed and speed available online


Two Flute


Three Flute

CNC NON-FERROUS FACE MILLING

Insert Carbide

The replaceable tips end mill/router bit tool body made from alloy steel with 4 solid carbide cutting inserts for maximum feed and stability are specially made for CNC and milling machines. Each solid carbide tip has 4 cutting rounded corners that can be rotated.

Excellent For Cutting:
- Aluminum, Bronze & Copper
- Fomex® with Aluminum Face

Applications:
- Milling / Surfacing / Facing
- Shouldering / Rabbeting
- Slotting / Grooving


Use "Ramp Down" Technique.

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
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 feed and speed available online

Milling / Surfacing / Facing

Shouldering / Rabbeting

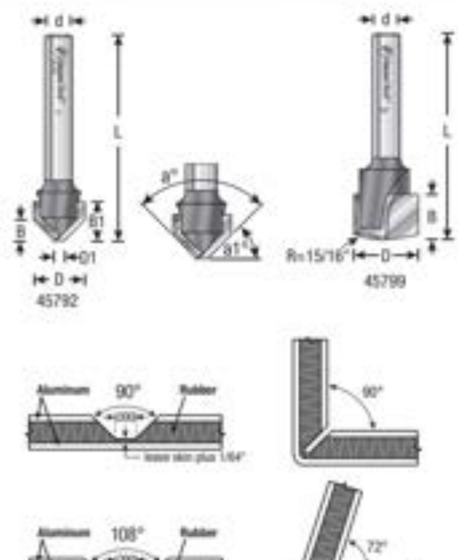
Slotting / Grooving

INDUSTRIAL

ACM

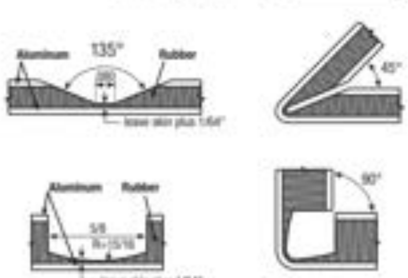
Aluminum Composite Material

Router Bits



45792

45799



Rectanglar Groove*

* For rectangular grooves in thicker material like Alucore®

ACM DOUBLE EDGE FOLDING

Carbide Tipped • V-Groove

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

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®
- PE and FR Cores
- Phenolics
- Plastic/Acrylic
- Plexiglas®
- 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	45792
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	1/2	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
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 New
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 New
—	—	5/8	—	7/16	—	1/4	2	45799 *

Packs

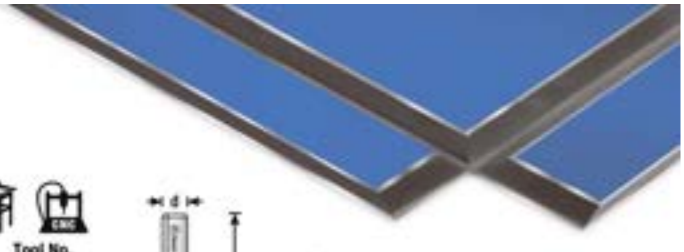
Includes 45792, 45795 & 45798 (1/4 shank)	AMS-140
Includes 45794, 45797 & 45791 (1/2 shank)	AMS-147

PCD Polycrystalline Diamond

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

CNC feed and speed available online



ZrN COATED

ACM DOUBLE EDGE FOLDING

Carbide (Brazed to Steel Shank) V-Groove

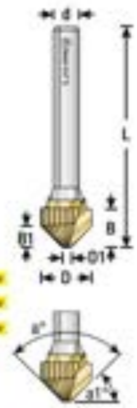
Designed For Scoring Aluminum Composite Materials
For material cut list visit www.amanatool.com.

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

Sets

3-Pc Set includes 45745 (90°), 45781 (108°) & 45741 (135°) (1/4 Shank)	AMS-218 New
3-Pc Set includes 45745 (90°), 45795 (108°) & 51402-Z (1/4 Shank)	AMS-213 New
3-Pc Set includes 45747 (90°), 45785 (108°) & 45743 (135°) (1/2 Shank)	AMS-219 New

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 8 for cut illustrations.



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

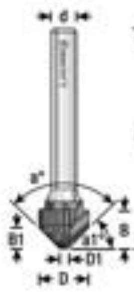
Special Amana-grade carbide provides much longer tool life especially compared to carbide tipped tooling.

For Scoring Steel and Titanium Composite Materials:

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

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

See previous page for cut illustrations.



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

Set AMS-151
See page 72

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:

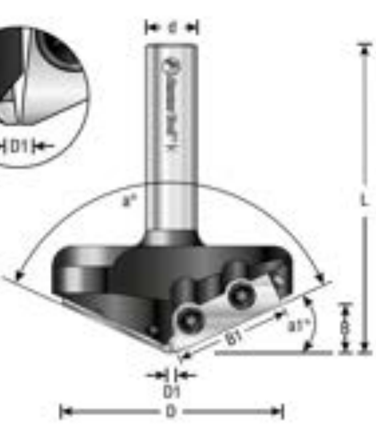
- Aluminum, Clay, Zinc & Wood Composite Panels
- ACM
- ACP
- CCM
- Alucobond®
- Alupanel®
- Dibond®
- Durabond
- e-panel™
- Etalbond®
- PE and FR Cores
- Phenolics
- Plastic/Acrylic
- Plexiglas®
- SCM
- TCM
- Wood

ACM Saw Blades
See page 338-339

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



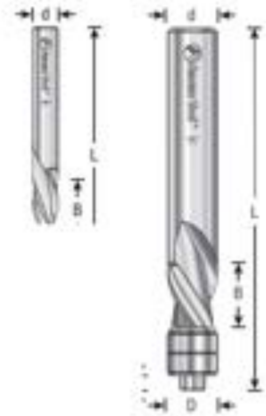
CNC feed and speed available online

INVECTRA™

ALUMINUM LAMINATE TRIM

Solid Carbide Spiral • 2 Flute with 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 stainless steel.



51432

ØD	B	Ød	L	L1	Tool No.
1/4	5/8	1/4	2-1/2	—	51430* ▲
1/2	5/8	1/2	3-1/2	5/32	51432* ▲

#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 ▲ =14,000; ▲ =28,000

5-Packs Includes	Tool No. New
51430 (5 Pcs. each)	51430-5

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

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.

51520 51522 51422 51420

Down-Cut Up-Cut

Excellent For Cutting:

- Aluminum
- Aluminum Composite Materials (ACM)
- MDF

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.

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.

51434-DLC

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.

INDUSTRIAL

2D/3D Carving

CNC Router Bits

Solid Carbide • 2, 3 & 4 Flute • Ball Nose • Tapered and Straight • Up-Cut

Specially designed for 2D and 3D CNC profiling and carving with CNC machines. The high-shear ball nose tips cut 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. Adjust your chip load and feed rate accordingly.

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

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

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

Packs Includes	Tool No.
46282, 46284 & 46294	AMS-142
46280, 46282 & 46286	AMS-144
46280, 46282 & 46294	AMS-185 New
46282, 46286 & 46294	AMS-146
46256, 46252 & 46254	AMS-110
46290, 46292 & 46294	AMS-145
46280, 46282, 46286 & 46294	AMS-148
46290, 46292, 46284 & 46288	AMS-141
46280-U, 46282-U & 45771	AMS-107 New

5-Packs Includes	Tool No.
46280 (5 Pcs. each)	46280-5
46282 (5 Pcs. each)	46282-5
46284 (5 Pcs. each)	46284-5
46286 (5 Pcs. each)	46286-5
46290 (5 Pcs. each)	46290-5 New
46292 (5 Pcs. each)	46292-5 New
46294 (5 Pcs. each)	46294-5

ZrN COATED

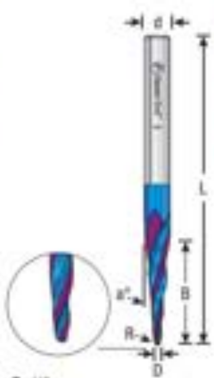
Benefits of ZrN Coating:

- 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:

- Acrylonitrile Butadiene Styrene (ABS)
- Acrylic
- Aluminum
- Brass
- Bronze
- Copper
- Gold
- Silver
- Titanium
- Composite
- Dibond®
- Ethafoam
- Expanded Polypropylene (EPP)
- Fiberglass
- Expanded Polystyrene Foam (EPS)
- Extruded Polystyrene Foam (XPS)
- Foam Board
- Graphite
- 20lbs High Density Urethane
- High Density Polyethylene (HDPE)
- High Density Urethane (HDU)
- Lexan™
- MDF/HDF
- Non-Ferrous Metals
- Phenolics
- Phenolic Composites
- Polyethylene Foam
- Polylam
- Polyurethane Foam
- PVC
- PVC Foam Board
- Sign Board
- Sign Foam
- Tooling Board
- Wood
- XLPE (Cross Linked Polyethylene) Foam

CNC feed and speed available online



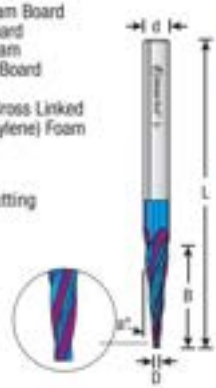
Spektra™ 2D/3D Bits Excellent for Cutting:

- Acrylonitrile Butadiene Styrene (ABS)
- Acrylic
- Acrylic Stone
- Composite
- Corian
- Coroplast®
- Dibond®
- Ethafoam
- Expanded Polypropylene (EPP)
- Ethylene-vinyl Acetate Foam (EVA)
- Expanded Polypropylene (EPP)
- Expanded Polystyrene Foam (EPS)
- Extruded Polystyrene Foam (XPS)
- Fiberglass
- Fiberglass PCB Board
- Foam Board
- Graphite
- 20lbs High Density Urethane
- High Density Polyethylene (HDPE)
- High Density Urethane (HDU)
- Lexan™
- MDF/HDF
- PALFOAM™
- Plastics
- Poly (methyl methacrylate) (PMMA)
- Phenolics
- Phenolic Composites
- Polyethylene Foam
- Polylam
- Polyurethane Foam
- PVC
- PVC Foam Board
- Sign Board
- Sign Foam
- Tooling Board
- Wood
- XLPE (Cross Linked Polyethylene) Foam

SPEKTRA EXTREME TOOL LIFE COATING

Benefits of Spektra™ Coating:

- 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



SPEKTRA EXTREME TOOL LIFE COATING

CNC 2D/3D CARVING TAPERED BALL NOSE

Solid Carbide • Ball Nose • Up-Cut

Specially designed for 2D and 3D CNC profiling and carving with CNC machines. Spektra™ bits feature a nACo® nanocomposite coating with an extreme nanohardness and heat resistance.

CNC

ØD	B	a°	R	Flute	Ød	L	Tool No.
0.5mm	19mm	3.7°	0.25mm	3	3mm	75mm	46418-K-M New
1/32	1	6.2°	1/64	3	1/4	3	46280-K
1.5mm	26mm	5.0°	0.75mm	3	6mm	75mm	46420-K-M
1.5mm	26mm	5.4°	0.75mm	4	6mm	76mm	46422-K
1/16	1	5.4°	1/32	4	1/4	3	46282-K
3mm	26mm	3.6°	1.50mm	3	6mm	75mm	46286-K-M
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
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
1/4	1/2	0.10°	1/8	2	1/4	3	46294-K

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

Packs New Includes	Tool No.
46282-K, 46284-K & 46294-K	AMS-142-K
46280-K, 46282-K & 46286-K	AMS-144-K
46282-K, 46286-K & 46294-K	AMS-146-K
46280-K, 46282-K, 46286-K & 46294-K	AMS-148-K
46282-K & 45624 (60°)	AMS-192
46280-K, 46282-K & 45771-K	AMS-107-K

5-Packs New Includes	Tool No.
46280-K (5 Pcs. each)	46280-K-5
46282-K (5 Pcs. each)	46282-K-5
46284-K (5 Pcs. each)	46284-K-5
46286-K (5 Pcs. each)	46286-K-5
46290-K (5 Pcs. each)	46290-K-5
46292-K (5 Pcs. each)	46292-K-5
46294-K (5 Pcs. each)	46294-K-5
46577-K (5 Pcs. each)	46577-K-5

SPEKTRA EXTREME TOOL LIFE COATING

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

Solid Carbide • Flat Bottom • Up-Cut

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

CNC

ØD	B	a°	Flute	Ød	L	Up-Cut Tool No.	Down-Cut Tool No.
1/16	5/16	0.10°	3	1/4	2	46290-K	46486-K New
3mm	28mm	0.10°	4	6mm	63mm	46424-K	—
1/8	1/2	0.10°	4	1/4	2	46586-K	—
1/8	3/4	0.10°	4	1/4	2-1/2	46292-SK New	—
1/8	1-3/32	0.10°	4	1/4	2-1/2	46292-K	—
1/4	3/4	0.10°	2	1/4	2	46587-K	—
1/4	1-1/2	0.10°	2	1/4	3	46577-K	—

ZrN

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

CNC

Solid Carbide • Flat Bottom • Up-Cut

High-shear flat bottom tips cut smooth 2D and 3D contours with reduced stepping. ZrN coated. For material cut list visit www.amanatool.com.

ØD	B	a°	Flute	Ød	L	Uncoated Tool No.	ZrN Coated Tool No.
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
1/16	1	5.4°	4	1/4	3	—	46572
1/8	15/32	0.10°	2	1/4	2-23/64	—	46254
1/8	1/2	7°	3	1/4	3	—	46576
1/8	1	3.6°	3	1/4	3	—	46573
1/8	1-3/32	0.10°	4	1/4	2-1/2	46292-U	46292
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 New
1/4	3/4	0.10°	3	1/4	2-1/2	—	46578
1/4	1-1/2	0.10°	2	1/4	3	—	46577 New
3/8	1-3/4	0.10°	3	3/8	3	—	46597
1/2	2-1/4	0.10°	3	1/2	4	—	46579

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

CNC METRIC 2D/3D CARVING TAPERED AND STRAIGHT

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

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

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

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

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

Ball Nose Flat Bottom

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 sign making & 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.

Ball Nose (Conical Ball)

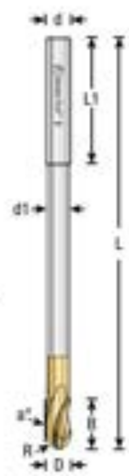
ØD	B	a°	R	Ød	Ød1	L	L1	Tool No.
1/4	1/2	0.10°	1/8	1/4	15/64 (.235)	4	1-1/4	46490
3/8	3/4	0.10°	3/16	3/8	23/64 (.352)	4	1-1/4	46491
1/2	1	0.10°	1/4	1/2	15/32 (.470)	6	1-1/2	46493
1/2	1-1/4	0.10°	1/4	1/2	15/32 (.470)	7	2	46496

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 New
1/2	1	0.10°	1/2	15/32 (.470)	6	1-1/2	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.

CNC feed and speed available online



SPEKTRA
EXTREME TOOL LIFE COATING

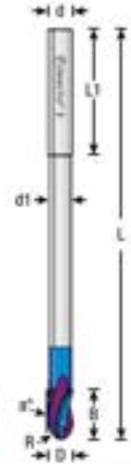
CNC EXTRA-LONG REACH 2D/3D CARVING FLAT BOTTOM AND BALL NOSE New

Solid Carbide with Reduced Shank • 3 Flute • Ball Nose (Conical Ball)

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

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

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



ZrN Coated Excellent for Cutting:

- Acrylonitrile Butadiene Styrene (ABS)
- Acrylic
- Aluminum
- Brass
- Bronze
- Copper
- Gold
- Silver
- Titanium
- Composite
- Dibond®
- Ethafoam
- Expanded Polypropylene (EPP)
- Fiberglass
- Expanded Polystyrene Foam (EPS)
- Extruded Polystyrene Foam (XPS)
- Foam Board
- Graphite
- 20lbs High Density Urethane
- High Density Polyethylene (HDPE)
- High Density Urethane (HDU)
- Lexan™
- MDF/HDF
- Non-Ferrous Metals
- Phenolics
- Phenolic Composites
- Polyethylene Foam
- Polyfam
- Polyurethane Foam
- PVC
- PVC Foam Board
- Sign Board
- Sign Foam
- Tooling Board
- Wood
- XLPE (Cross Linked Polyethylene) Foam

ZrN COATED

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

*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.

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
1/32	1	6.2°	1/64	3	1/4	3	HSS1300
1.5mm	26mm	5.1°	0.75mm	3	6mm	76mm	HSS1303-M
1/16	1	5.4°	1/32	4	1/4	3	HSS1302
3mm	26mm	3.5°	1.5mm	3	6mm	76mm	HSS1304-M
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

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

Set #AMS-136 Includes:

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

ZrN COATED

8-PC CNC 2D/3D CARVING

1/4" Shank • Solid Carbide Spiral Ball Nose and Flat Bottom Router Bit Collection • Up-Cut

Designed for 2D and 3D CNC profiling and carving. See below table for material cut list.

Set #AMS-143 Includes:

46280, 46282, 46284, 46286, 46288, 46294, 46290, 46292, 46291, 46295, 46287, 46570, 46572, 46574, 46490, 46590, 46094, 46090 & RB-102 (2)

ZrN COATED

18-PC. CNC 2D/3D CARVING & LETTERING

1/8" & 1/4" Shank • Solid Carbide Router Bit Collection • Up-Cut

Designed specifically for precision 2D and 3D applications.

AMS-136 and AMS-143 Excellent For Cutting:

- Acrylonitrile Butadiene Styrene (ABS)
- Acrylic
- Aluminum
- Aluminum Alloys
- ACM
- Alucobond®
- Alupanel®
- Brass/Bronze
- Carbon Fiber
- CCM
- Composites
- Copper
- Dibond®
- Expanded Polystyrene Foam (EPS)
- Extruded Polystyrene Foam (XPS)
- Fiberglass
- Fiberglass PCB Board
- Graphite
- HDF/MDF
- HDPE
- HDU
- Lexan™
- Non-Ferrous Metals
- Phenolics
- Phenolic Composites
- Plastic/Acrylic
- Plywood
- PVC
- Silver/Gold
- Sign Foam
- TCM
- Titanium
- Tooling Board
- Wood
- 20lbs High Density Urethane
- XPE

CNC feed and speed available online

INDUSTRIAL

Foam
CNC Router Bits

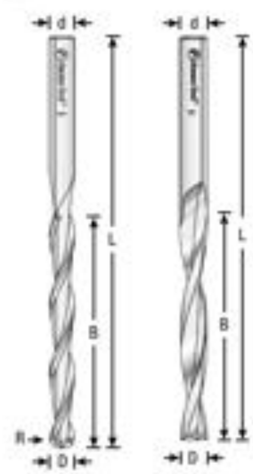
Excellent For Cutting:
- Acrylonitrile-Butadiene-Styrene (ABS)
- Ethafoam
- Ethylene-Vinyl Acetate Foam (EVA)
- Expanded Polypropylene (EPP)
- Expanded Polystyrene Foam (EPS)
- Extruded Polystyrene Foam (XPS)
- Flexible Polyurethane Foam (FPF)
- Fomex®
- Lexan™
- PALFOAM™
- Polyethylene Foam
- Polylam
- Polyurethane Foam
- XLPE (Cross Linked Polyethylene) Foam

CNC FOAM CUTTING SPIRAL

Solid Carbide • 2 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. Achieve 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	R	Ød	L	'Up-Cut' Tool No.
1/8	1-1/8	1/16	1/4	2-1/2	46030 †
1/4	2-1/4	1/8	1/4	4	46032

Flat Bottom (Square End)

ØD	B	Ød	L	'Up-Cut' Tool No.	'Down-Cut' Tool No.
3mm	28mm	6mm	64mm	48442 New	—
3mm	28mm	6mm	64mm	48442-K New	
1/8	1-1/16	1/8	3	46269 †	46562
1/8	1-1/16	1/8	3	46269-K † New	—
1/8	1-1/8	1/4	2-1/2	46270 †	46564
1/8	1-1/8	1/4	2-1/2	46270-K † New	—
3/16	1-1/8	3/16	3	46271	—
3/16	1-5/8	3/16	4	46273	—
6mm	57mm	6mm	100mm	48444 New	—
6mm	57mm	6mm	100mm	48444-K New	—
1/4	1-1/4	1/4	2-1/2	46274	—
1/4	2-1/4	1/4	4	46272	46566
1/4	2-1/4	1/4	4	46272-K New	46566-K New
1/4	3	1/4	6	46275	—
3/8	3-1/2	3/8	6	46276	—
3/8	4	3/8	6	46277	—
3/8	4-1/2	3/8	7	46279	—

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

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

Ball Nose | Flat Bottom | Spektra™ Flat Bottom

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
- Crosslinked Polyethylene Foam (XLPE)
- Ethafoam
- Ethylene-Vinyl Acetate Foam (EVA)
- Expanded Polypropylene (EPP)
- Expanded Polystyrene Foam (EPS)
- Extruded Polystyrene Foam (XPS)
- Flexible Polyurethane Foam (FPF)
- Fomex®
- Lexan™
- PALFOAM™
- Plastic
- Polyethylene Foam
- Polylam
- Polyurethane Foam
- Wood


Ball Nose


Flat Bottom

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 New

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
3/4	10	3/4	12-1/2	HSS1216

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

*High Speed Steel (**HSS**) • 2 Flute*

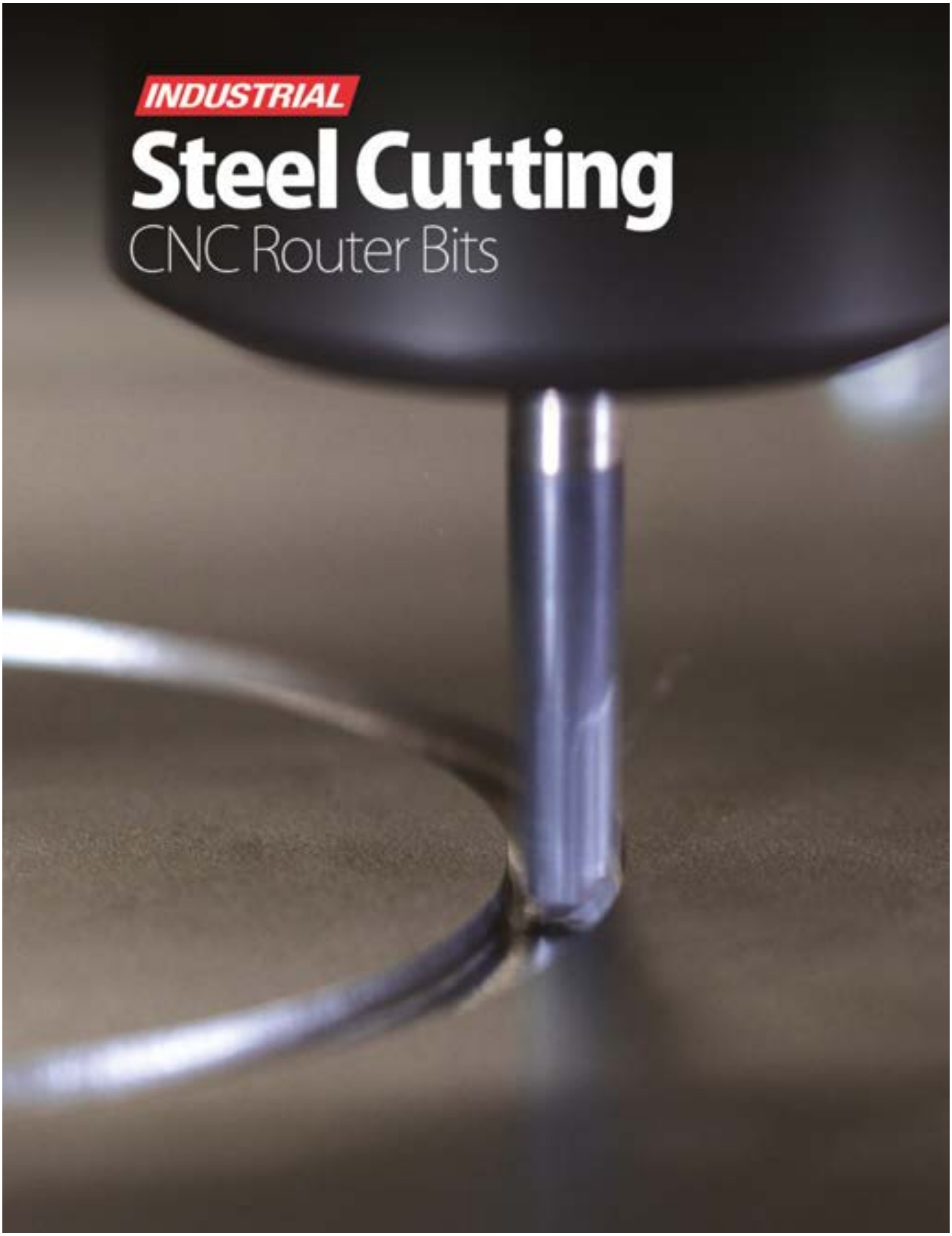
V-flutes are selected when a balanced tool is critical for smooth finish. Excellent for hand-fed operations.

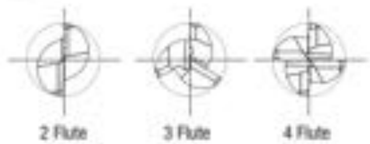
Excellent For Cutting:
- Crosslinked Polyethylene Foam (XLPE)
- Ethafoam
- Expanded Polypropylene (EPP)
- Flexible Polyurethane Foam (FPF)
- Foam
- Fomex®
- Natural Woods
- Polyethylene Foam
- Polylam


2 Flute

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



CNC HIGH PERFORMANCE STEEL, STAINLESS STEEL & COMPOSITE CUTTING

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

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

Perfect for the signmaking industry. Our special carbide grade combined with the AlTiN coating results in amazing performance. The unique corner chamfer gives the bits additional strength.

Milling

ØD	B	Ød	L	Flute	Tool No.
1/16	3/16	1/8	1-1/2	2	51673† New
1/8	3/8	1/8	1-1/2	2	51674† New
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 New
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 New
3/8	1/2	3/8	3	2	51467
3/8	1	3/8	2-1/2	2	51677 New
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
1/8	3/8	1/4	1-1/2	4	51602
1/4	5/8	1/4	2-3/8	4	51604

† 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.

3-Pc, 4-Pc Packs and 8-Pc Collection

Description	Tool No.
4-Pc AlTiN Coated Pack Includes #'s 51461 (1/8 dia), 51463 (3/16 dia), 51465 (1/4 dia.), 51467 (3/8 dia.)	AMS-154
8-Pc AlTiN Coated Collection Includes #'s 51461 (1/8 dia), 51460 (1/8 dia), 51602 (1/8 dia.), 51465 (1/4 dia.), 51464 (1/4 dia.), 51604 (1/4 dia.), 51462 (3/16 dia.), 51467 (3/8 dia.), RB-102, RB-122	AMS-152

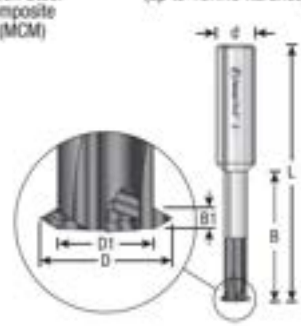
AlTiN COATED BITS

Benefits of AlTiN Coating:

- Extra wear resistance
- Allows for faster feed & speed rates
- Cutting edge protected from wear
- Better chip evacuation
- Superior cutting 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 feed and speed available online

CNC SINGLE FORM THREADMILLS, STEEL & STAINLESS STEEL CUTTING New

Solid Carbide • 4 Flute

Tool is designed to cut internal and external and can mill mulitple pitches.

- Cuts internal and external 60° UN threads
- Tip of included angle ground to a point
- Hole-making and threading
- Available in metric and inch sizes

Excellent For Cutting:

- Cast Iron
- Titanium
- Stainless Steel
- Steel

Also for cutting:

- Aluminum/ Non-Ferrous Materials
- Acrylic/Plastic

Thread Size	ØD	Neck Diameter D1	B	B1	Ød	L	Tool No.
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
3/8	0.30	0.218	1-1/4	0.047	3/8	2-1/2	59406
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.

Note: Inspect cut quality and adjust feed/speed accordingly. Care should be taken to observe proper feeds/speeds according to the work-piece material to avoid damage. For optimal results and extended tool life use mist lubricant system or air cooling.

MINIATURE CNC STEEL, STAINLESS STEEL & COMPOSITE CUTTING

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

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

Excellent For Cutting:
- Stainless Steel
- Steel
- Titanium
- Cast Iron
- Cermet®
- Metal Composite Material (MCM)
- Magnesium
- Plastic

AlTiN COATED BITS

Milling

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

Ball End

Square End

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

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 AlTiN 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.

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

HSS1702TIN

HSS1705TIN

Top View

Excellent For Cutting:
- Metal Clad Doors
- Steel Doors
- Fiberglass Doors

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.

Square Bottom

Corner Radius Bottom

CNC VARIABLE HELIX SPIRAL

Solid Carbide End Mills • 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.

AlTiN COATED BITS

Excellent For Cutting:

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

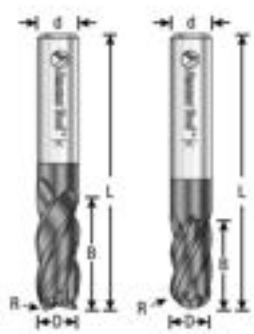
Milling

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

Ball Nose

ØD	R	B	Ød	L	Tool No.
1/8	1/16	1/4	1/8	1-1/2	51790 New
1/8	1/16	3/8	1/8	1-1/2	51792 New
3/16	3/32	7/16	3/16	2	51794 New
1/4	1/8	1/2	1/4	2	51796 New
1/4	1/8	5/8	1/4	2-1/2	51798 New
1/4	1/8	1-1/8	1/4	3	51800 New
3/8	3/16	7/8	3/8	2-1/2	51802 New
1/2	1/4	1	1/2	3	51804 New
1/2	1/4	1-1/4	1/2	3	51806 New
3/4	3/8	1-1/2	3/4	4	51808 New

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

CNC feed and speed available online

CNC 118º 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.

Drill Point 118°

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.

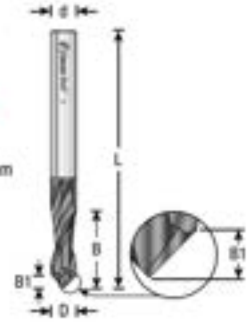
ØD	B	Ød	L	Tool No.
1/8	7/16	1/8	1-1/2	51682
3/16	9/16	3/16	2	51684
1/4	11/16	1/4	2	51686
5/16	7/8	5/16	2-1/2	51688
3/8	1	3/8	2-1/2	51689

CNC feed and speed available online

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. AlTiN coating provides quantum increases in productivity, either in terms of speed or longevity, with or without coolant.



AlTiN COATED BITS

Excellent For Cutting:

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

Milling

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

Warning: These tools are not designed for drilling steel, stainless steel, titanium and cermets.

CNC feed and speed available online

A True Multi-Function Tool.

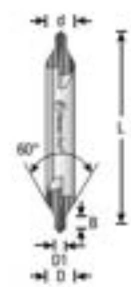
CNC HIGH PERFORMANCE 118° POINT CENTER DRILL, 60° COUNTERSINK

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 provides exceptional starting positioning for secondary drills, plus provide qualified countersink dimensions for screw heads, etc. Premium AlTiN 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.



Drill Point 118°

AlTiN COATED BITS

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

INDUSTRIAL

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.
(Carbide brazed to steel shank)

▲ **Warning:** Not to be used in conventional routers.

Cylindrical Shape · Radius Cylinder Shape · Ball Shape · Oval Shape · Tree Shape · Pointed Tree Shape · Flame Shape · Radius Cone Shape · Pointed Cone Shape

Excellent For Cutting:

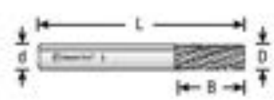
- Aluminum
- Brass
- Bronze
- Copper & Chrome
- Cast Iron
- Steel: 40-55rc
- Steel: 55-60rc
- Steel: Carbon
- Steel: Nickel
- Stainless Steel
- Steel Weldments
- Titanium

Burr speed recommendations available online

BURS-100 BURS-100NF BURS-105

ØD	B	Ød	L	Double Cut DC Ref #	DC Tool No.	Non-Ferrous/ZrN Coated 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	BURS-100NF *
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.



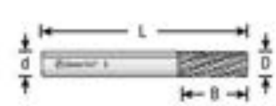
No End Cut

SB Burrs • Cylindrical Shape with End Cut

BURS-082 BURS-082NF BURS-090

ØD	B	Ød	L	Double Cut DC Ref #	DC Tool No.	Non-Ferrous/ZrN Coated 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
3/8	3/4	1/4	6-3/4	SB-3L6DC	BURS-086	—	—
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.

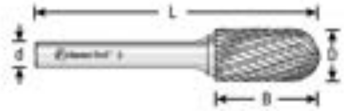


End Cut

SC Burrs • Radius Cylinder Shape

				Double Cut		Non-Ferrous/ZrN Coated	
ØD	B	Ød	L	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

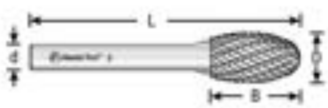
				Double Cut		Non-Ferrous/ZrN Coated	
ØD	B	Ød	L	DC Ref #	DC Tool No.	NF Ref #	NF Tool No.
1/8	1/8	1/8	1-1/2	SD-42DC	BURS-150 *	—	—
1/4	7/32	1/4	2	SD-1DC	BURS-152 *	—	—
3/8	5/16	1/4	2-1/8	SD-3DC	BURS-154	SD-3FM	BURS-154NF
3/8	5/16	1/4	6-3/4	SD-3L6DC	BURS-156	—	—
1/2	7/16	1/4	2-1/4	SD-5DC	BURS-158	SD-5FM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

* Solid carbide.

SE Burrs • Oval Shape

				Double Cut		Non-Ferrous/ZrN Coated	
ØD	B	Ød	L	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

				Double Cut		Non-Ferrous	
ØD	B	Ød	L	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

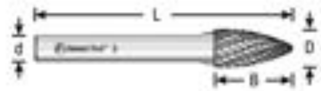
SG Burrs • Pointed Tree Shape

BURS-199

BURS-192

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-219

BURS-214

BURS-214NF

				Double Cut		Non-Ferrous/ZrN Coated	
ØD	B	Ød	L	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.

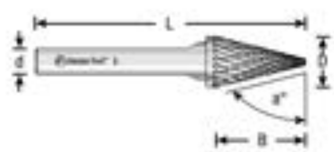
SM Burrs • Pointed Cone Shape

BURS-228

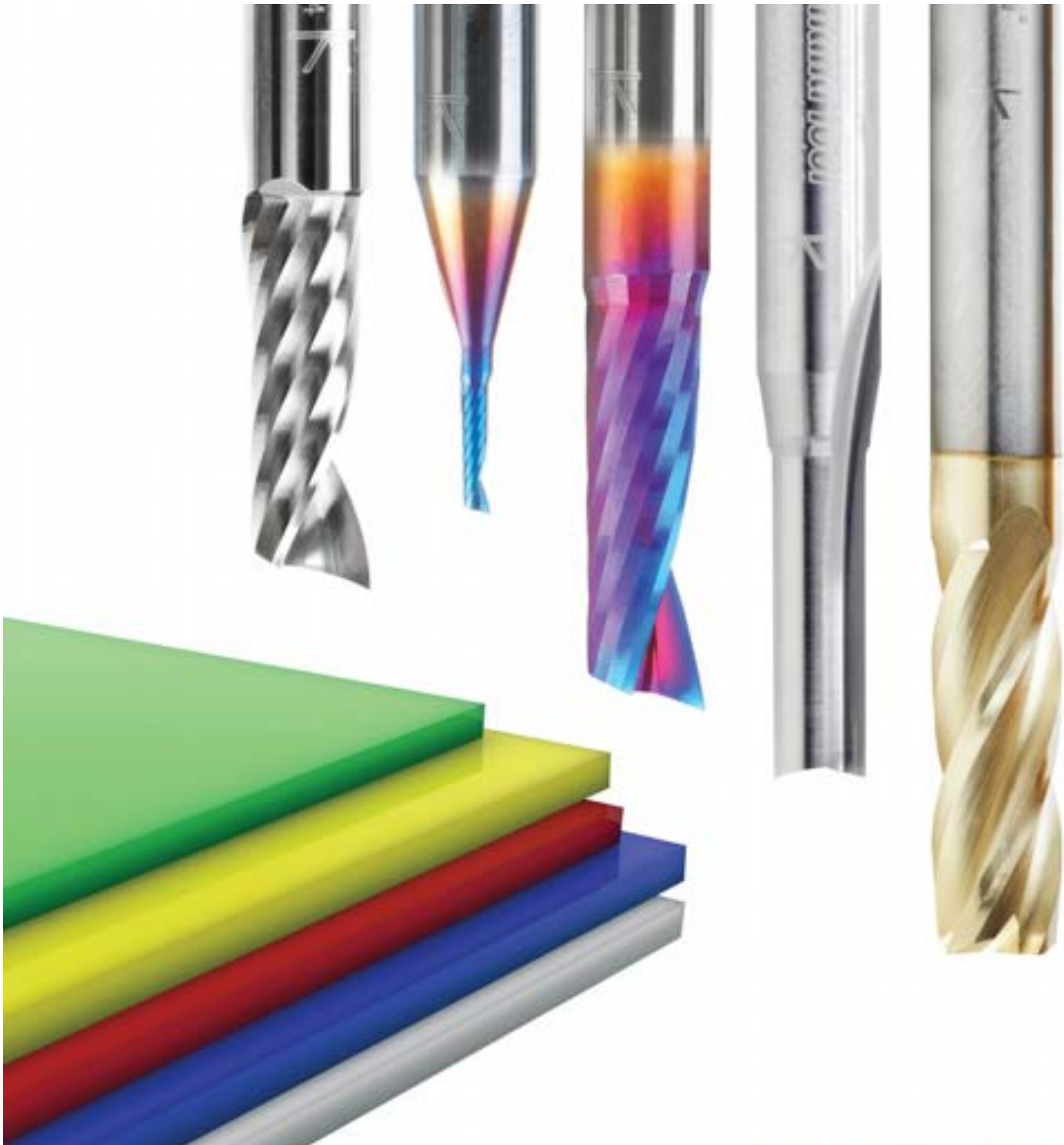
BURS-222

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.



Burr speed recommendations available online



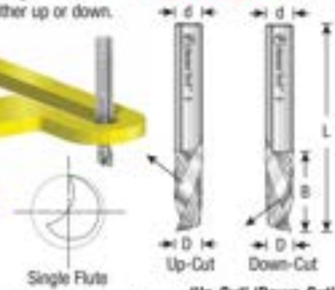
INDUSTRIAL

Plastic Cutting
Solutions

CNC PLASTIC CUTTING SPIRAL 'O' FLUTE

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

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



MIRROR FINISH

Excellent for Cutting:

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

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	—
1/8	5/16	1/4	1-1/2	—	51523
1/8	5/16	1/8	2	51453†	—
1/8	1/2	1/8	2	51410†	51510†
1/8	1/2	1/4	2	51411	51511
1/8	5/8	1/4	2-1/2	51445	—
1/8	3/4	1/4	2-1/2	51446	—
5/32	9/16	1/4	2	51447	51516
3/16	3/8	3/16	2	51448	51518
3/16	3/8	1/4	2	51449	—
3/16	5/8	3/16	2	51412	51512
3/16	5/8	1/4	2	51417	51517
3/16	5/8	1/4	2-1/2	51423	—
3/16	7/8	1/4	2-1/2	51442	—
3/16	1-1/4	1/4	3	51418	—

ØD	B	Ød	L	'Up-Cut' Tool No.	'Down-Cut' Tool No.
7/32	3/4	1/4	2-1/2	51424	—
1/4	3/8	1/4	2	51425	51519
1/4	5/8	1/4	2	51419	—
1/4	3/4	1/4	2	51404	51504
1/4	3/4	1/4	2-1/2	51421	51524
1/4	7/8	1/4	2-1/2	51444	—
1/4	1	1/4	2-1/2	51405	51505
1/4	1-1/16	1/4	3	51409	—
1/4	1-1/4	1/4	3	51407	51507
1/4	1-3/8	1/4	3	51403	—
1/4	1-1/2	1/4	3	51413	51513
1/4	2-1/4	1/4	3-3/4	51646	—
3/8	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-Packs Includes	Tool No.
51404 (5 Pcs. each)	51404-5
51405 (5 Pcs. each)	51405-5
51410 (5 Pcs. each)	51410-5
51411 (5 Pcs. each)	51411-5
51511 (5 Pcs. each)	51511-5

5-Packs Includes	Tool No. New
51417 (5 Pcs. each)	51417-5
51446 (5 Pcs. each)	51446-5
51504 (5 Pcs. each)	51504-5
51507 (5 Pcs. each)	51507-5
51513 (5 Pcs. each)	51513-5

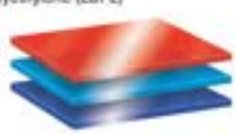
METRIC CNC PLASTIC CUTTING SPIRAL 'O' FLUTE

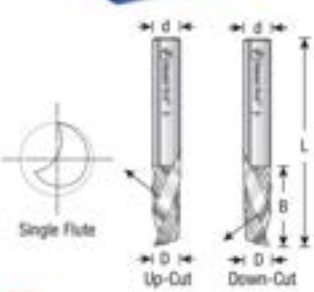
Solid Carbide • Single Flute • Up-Cut & Down-Cut

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

ØD	B	Ød	L	'Up-Cut' Tool No.	'Down-Cut' Tool No.
2mm	6mm	3mm	50mm	51634	—
2mm	8mm	2mm	50mm	57310	—
2mm	8mm	6mm	64mm	57311	—
2.5mm	8mm	2.5mm	50mm	57312	—
2.5mm	8mm	6mm	64mm	57313	—
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	8mm	4mm	64mm	57317	—
4mm	12mm	4mm	64mm	51636	—
4mm	20mm	4mm	64mm	57318	—
4mm	20mm	6mm	64mm	57319	57331
4mm	30mm	4mm	64mm	57320	—

ØD	B	Ød	L	'Up-Cut' Tool No.	'Down-Cut' Tool No.
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	—





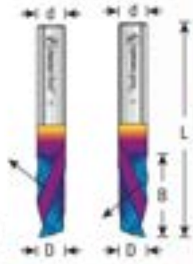
CNC feed and speed available online

SPEKTRA
EXTREME TOOL LIFE COATING

CNC PLASTIC CUTTING SPIRAL 'O' FLUTE New

Solid Carbide • Single Flute • Up & Down-Cut

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



Up-Cut Down-Cut

Single Flute

ØD	B	Ød	L	'Up-Cut' Tool No.	'Down-Cut' Tool No.
1/32	3/16	1/4	2	51049-K	—
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	—
1/16	1/4	1/8	2	51415-K†	51515-K†
1/16	1/4	1/4	2	51441-K	—
1.6mm	6mm	3mm	30mm	51397-K	—
1.8mm	6mm	3mm	30mm	51398-K	—
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	—
1/8	7/8	1/4	2-1/2	51435-K New	—
3/16	5/8	3/16	2	51412-K	—
3/16	5/8	1/4	2	51417-K	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
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	—
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	—
3/8	1-1/8	3/8	3	51414-K	—
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.

Mirror FINISH

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

Packs Includes	Tool No.
8-Pc Spektra Set (item numbers available online)	AMS-165-K
5-Pc Spektra Set (item numbers available online)	AMS-166-K
2-Pc Spektra Set (includes 51404-K, 51411-K)	AMS-195-K New

5-Packs Includes	Tool No. New
51404-K (5 Pcs. each)	51404-K-5
51405-K (5 Pcs. each)	51405-K-5
51410-K (5 Pcs. each)	51410-K-5
51411-K (5 Pcs. each)	51411-K-5
51414-K (5 Pcs. each)	51414-K-5
51417-K (5 Pcs. each)	51417-K-5
51441-K (5 Pcs. each)	51441-K-5
51446-K (5 Pcs. each)	51446-K-5
51504-K (5 Pcs. each)	51504-K-5
51511-K (5 Pcs. each)	51511-K-5
51515-K (5 Pcs. each)	51515-K-5

SPEKTRA
EXTREME TOOL LIFE COATING

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

Solid Carbide • Single Flute • Up & Down-Cut

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

ØD	B	Ød	L	'Up-Cut' Tool No.	'Down-Cut' Tool No.
1/8	1/2	1/4	2	57360-K	—
1/8	3/4	1/4	2-1/2	57361-K	—
1/4	1/2	1/4	2	57362-K	—
1/4	3/4	1/4	2	57363-K	—

Single Flute

Up-Cut

Excellent for Cutting:

- Plastic, Acrylic
- Acetal and Nylon
- Acrylic Stone
- Acrylonitrile Butadiene Styrene (ABS)
- Aluminum Composite Material (ACM)
- Alupanel®
- Corian
- Coroplast®
- Correx Boards
- Corrugated Polypropylene
- Crosslinked Polyethylene (XPE, PEX, XLPE)
- Delrin
- Dibond®
- Extruded Acrylic
- Foam Board
- Fomex®
- Gatorfoam®
- Hard Plastic
- High Density Polyethylene (HDPE)
- High Density Urethane (HDU Board)
- High Impact Polystyrene (HIPS)
- HIPS with Digital Printing
- Hydroxy-Terminated Polyether (HTPE)
- King ColorCore®, The Multi-Color Engravable Polymer Sheet
- Laminate
- LubX®
- Low Density Polyethylene (LDPE)
- Lucite®
- Mechanical/Engineered Plastics
- Perspex® Cast Acrylic Sheet
- Plexiglas®
- Poly (methyl methacrylate) (PMMA)

2 Flute

Flat Bottom   Ball Nose

- Polyethylene Terephthalate Glycol-Modified (PETG / PET-G)
- Polycarbonate (Lexan™)
- Polystyrene (PS)
- Polyoxymethylene (POM)
- PVC
- Sign Foam
- Sintra-PVC
- Solid Surface
- StarBoard® (King StarBoard 'R') High Density Polyethylene Sheet (HDPE)
- Teflon®
- Thermoplastic Polyolefin (TPO)
- Trespa® Meteon® Decorative High-Pressure Compact Laminate (HPL) With An Integral Surface
- Urethane
- Ultra High Molecular Weight Polyethylene (UHMWPE)
- Wood

CNC PLASTIC CUTTING SPIRAL DOUBLE 'O' FLUTE

Solid Carbide • Double Flute • Up-Cut

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

Flat Bottom

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

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

Ball Nose • 'O' Flute

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

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

SPEKTRA
EXTREME TOOL LIFE COATING

New

PLASTIC CUTTING O FLUTE SPIRAL BALL NOSE

Solid Carbide • Single Flute • Up-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

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

18-PC. CNC ADVANCED PLASTIC CUTTING

1/4" SHANK

1/4" Shank • Solid Carbide Router Bit Collection

Set #AMS-167

Set #AMS-167 Includes:

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

Mirror FINISH

Set #AMS-165

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

1/4" SHANK

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

Set #AMS-165 Includes:

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

CNC feed and speed available online

PLASTIC CUTTING

Solid Carbide • 2 & 3 Flute • Straight Grind

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

OD	B	Od	L	Flute	Tool No.
1/8	1/4	1/4	2	2	43507-K New
1/8	1/2	1/4	2	2	43600
1/8	1/2	1/4	2	2	43600-K New
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 New
1/4	3/4	1/4	2-1/2	2	43506-K New
1/4	1	1/4	2-1/2	2	43608
1/4	1	1/4	2-1/2	2	43608-K New
1/2	1	1/2	3	2	43616
1/4	1	1/4	2-1/2	3	46483-K New

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/spekra

2 Flute 3 Flute

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.

Single Flute

OD	B	Od	L	Tool No.
1/8	5/16	1/4	2	43501 New
1/8	1/2	1/8	2	43502† New
1/8	5/8	1/8	3	43503† New
1/8	1/2	1/4	2	43500
1/8	1/2	1/4	2	43500-K New
3/16	5/8	1/4	2	43504
3/16	5/8	1/4	2	43504-K New
3/16	1	1/4	4	43505-K New
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/spekra

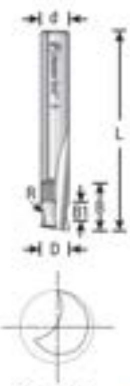
PLASTIC EDGE ROUNDING

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)



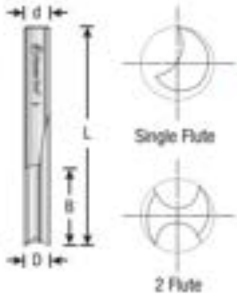
Single Flute

OD	R	B	B1	Od	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 Straight

Spiral w/Corner Radius New
Visit www.amanatool.com #46460-K

CNC feed and speed available online



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

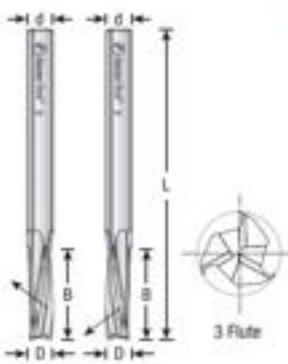
*High Speed Steel (**HSS**) • Single & 2 Flute*

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

ØD	B	Ød	L	Flute	Tool No.
1/16	3/16	1/4	2	1	HSS1490 New
3/32	3/8	1/4	2	1	HSS1492 New
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 New
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 New
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	22	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

Excellent For Cutting:

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



SPIRAL FINISHER

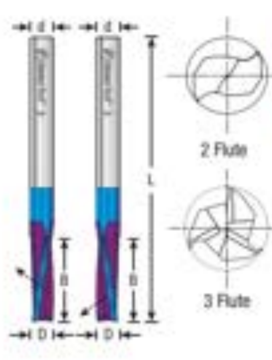
Solid Carbide • 3 Flute • Low Helix Up-Cut & Down-Cut

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

Excellent For Cutting:

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

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



SPEKTRA
EXTREME TOOL LIFE COATING

SPIRAL FINISHER New

Solid Carbide • 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

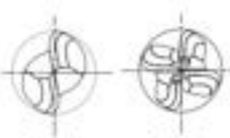
ØD	B	Ød	L	Flute	'Up-Cut' Tool No.	'Down-Cut' Tool No.
1/4	1	1/4	3	2	51639-K New	51734-K New
1/4	7/8	1/4	3	3	51631-K	51731-K
3/8	1-1/8	3/8	3	3	51633-K	51733-K
1/2	1-1/8	1/2	3-1/2	3	51637-K	51737-K
1/2	1-5/8	1/2	4	3	51635-K	51735-K

CNC HIGH POLISH SURFACE FINISH FLATTENING

Solid Carbide • 2 Flute • Up-Cut

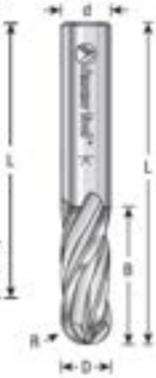
Leaves an extra high surface finish! The Spektra™ nACo® nanocomposite micro-thin coating provides longevity and cutting results of the highest quality. For complete details and material cut list please visit Spektra™ visit www.amanatool.com/spektra

R	ØD	B	Ød	L	Tool No.
0.04"	1/2	0.236"	1/4	2	43625



2 Flute 4 Flute

46424



46446

PLASTIC CUTTING SPIRAL BALL NOSE

Solid Carbide • 2 & 4 Flute • Up-Cut

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

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

Excellent For Cutting:

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

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

Metric Sizes

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

3-PC. CNC BALL NOSE ROUTER BIT SET

1/4" SHANK New

1/4" Shank • Plastic Cutting Spiral Nose 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.

Includes	Set No.
46288, 46450, & 46463	AMS-303

SPEKTRA
EXTREME TOOL LIFE COATING

CNC PLASTIC CUTTING SPIRAL BALL NOSE

Solid Carbide • 2 Flute • Up-Cut

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

Excellent For Cutting:

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

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

2 Flute

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	3/4	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

HSS Plastic Drills
See page 289

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
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-Packs Includes	Tool No. New
46430 (5 Pcs. each)	46430-5

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).

CNC feed and speed available online

PLASTIC CUTTING FLUSH TRIM

Solid Carbide • 2 Flute with Double Ball Bearing

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

Excellent for Cutting

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

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

▲ **Warning:** Maximum RPM=35,000

5-Packs Includes	Tool No.
51436 (5 Pcs. each)	51436-5

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

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

PLASTIC CUTTING

Carbide Tipped • Single & Double '0' Flute

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

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

3°, 5° AND 7° PATTERNMAKERS

Carbide Tipped • 2 Flute

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

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

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

Replacement bearing for #47144 use #47706.

Vacuum-forming mold (wooden)

CNC PLASTIC CUTTING INSERT CARBIDE SYSTEM

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

1 Flute

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

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

For more information visit **www.amanatool.com/inplastic**

In-Plastic™
CNC INSERT CUT & QUAD CHAMFER SYSTEM


INDUSTRIAL
Composite
cutting solutions!

ZrN COATED

CNC COMPRESSION HONEYCOMB CUTTING

Solid Carbide • 6 Flute

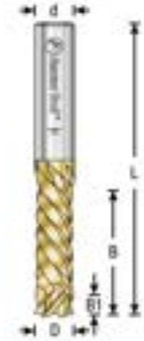
Compression router bits provide a burr-free top and bottom finish, providing that the workpiece is thicker than 0.250". For optimal cutting results use mist lubricant system or air cooling.

Excellent for cutting:
- BioBoard™
- Falconboard®
- Aluminum Honeycomb Panel (AHP)
- Carbon Fiber
- Honeycomb Cardboard

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 feed and speed available online



Top View

6 Flute

ZrN COATED

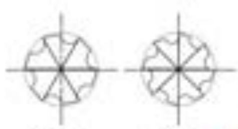
CNC HONEYCOMB CUTTING HOGGER

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

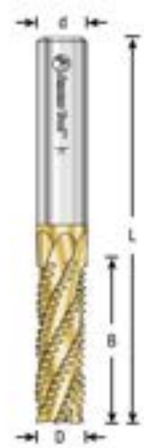


6 Flute   8 Flute

ØD	B	Ød	L	Flute	Tool No.
1/8	13/16	1/8	2-1/2	6	40304
1/4	3/4	1/4	4	6	40305
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

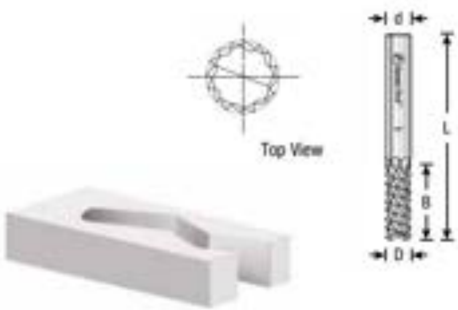
CNC feed and speed available online



END MILL POINT DIAMOND PATTERN, COMPOSITE CUTTING

Solid Carbide • Single 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.



Excellent for Cutting:

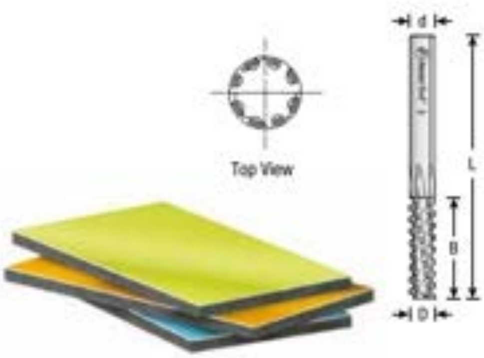
- Composites
- Fiberglass
- Fiberglass PCB Board
- Fiber Reinforced Plastic (FRP)
- G10 / FR-4 and G11 / FR-5 Glass Epoxy Composite Laminate Material
- Glass Reinforced Plastic (GRP)
- Glass Fiber Reinforced Polymer Plastic Materials (GFR)
- Phenolic
- Phenolic "Garolite" G-7

ØD	B	Ød	L	Type of Cut	Tool No.
1/8	1	1/8	2	Ultra-Fine	46088 New
1/4	3/4	1/4	2	Ultra-Fine	46099
1/4	3/4	1/4	2-1/4	Ultra-Fine	46089 New
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

END MILL POINT ROUGHING SPIRAL, COMPOSITE MATERIAL

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 such as: **carbon fiber, fiberglass, fiber reinforced plastic (FRP), glass fiber reinforced polymer (GFR), Trespa®** etc. 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.

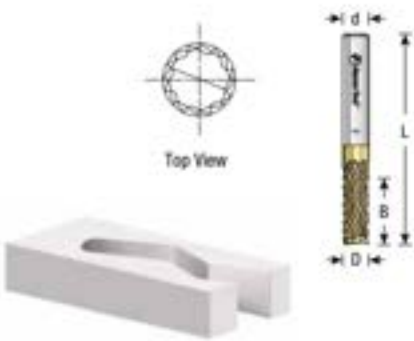
For use on routers and CNC machines.

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

END MILL POINT DIAMOND PATTERN & COMPOSITE CUTTING

ZrN COATED

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.

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

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

ZrN COATED

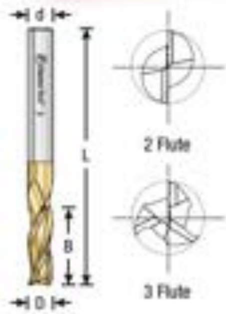
SPIRAL COMPOSITE, FIBERGLASS AND PHENOLIC CUTTING

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

Amana's Modern Finishing Geometry (MFG) incorporates high shear, multi-flute and a ZrN coating designed for the ultimate combination of finish and tool longetivity in aerospace materials. Modern-day materials present challenges to the fabricator. Using these special multi-flute edge tools featuring ZrN ceramic coating, addresses these challenges with a winning geometry combination.

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 New

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



Excellent For Cutting:

- Acrylic Stone
- Aluminum
- Carbon Fiber Reinforced Polymer (CFRP)
- Composite
- Corian
- Coroplast®
- Fiberglass
- Fiberglass PCB Board
- HDPE
- Lexan™
- Phenolics
- Plastic
- Poly (methyl methacrylate) (PMMA)

SPEKTRA EXTREME TOOL LIFE COATING

SPIRAL COMPOSITE, FIBERGLASS AND PHENOLIC CUTTING New

Solid Carbide • 3 Flute • Up-Cut

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

ØD	B	Ød	L	Flute	Tool No.
6mm	19mm	6mm	63mm	3	46430-K
1/4	3/4	1/4	2-1/2	3	46094-K

ZrN COATED

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, multi-edge Glass Reinforced Plastic (GRP) multi-flute tool, that shears the material without shredding or imparting unnecessary heat.

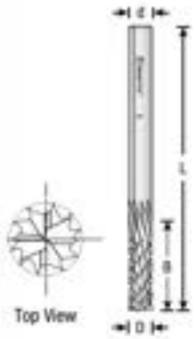
Excellent For Cutting:

- 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

CNC feed and speed available online

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



CNC CARBON GRAPHITE & CARBON FIBER PANEL CUTTING SPIRAL

Solid Carbide • Down-Cut

These carbon graphite and carbon fiber cutting solid carbide router bits are designed to produce a minimum failure in composite materials such as layers separating and a significant loss of mechanical toughness.

The rapidly growing use of Carbon Fiber Reinforced Polymers (CFRP) necessitates tooling designed to effectively meet the challenges of such composites. Experts have recognized the need for a tool geometry combining a highly abrasion-resistant carbide substrate generous fluting, and an impact zone that not only "shatters" the hard carbon fibers but also keeps heat down.

These industrial router bits combat abrasion heat and the breakdown of composites for clean, accurate cuts.

Excellent for Cutting:
- Carbon Fiber Panels
- CFRP
- Carbon Graphite
- Fiberglass
- Fiberglass PCB Board
- FRP & GFR
- Micarta®
- Plastic, PVC & Acrylic
- Thermosetting Plastics
- Thermoset Composites

ØD	B	Ød	L	Tool No.	
3mm	13mm	3mm	50mm	48450	New
3mm	13mm	3mm	50mm	48450-K	New
1/8	1/2	1/8	2	46260 †	
1/8	1/2	1/8	2	46260-K †	
1/8	1/2	1/4	2	46008-K	New
3/16	5/8	3/16	2	46262	
6mm	19mm	6mm	75mm	48452-K	New
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.

5-Packs Includes	Tool No. New
46260-K (5 Pcs. each)	46260-K-5

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

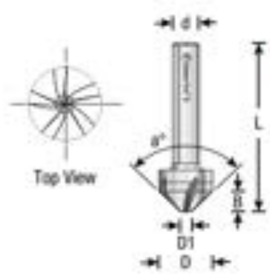
SPEKTRA
EXTREME TOOL LIFE COATING

SPIRAL PHENOLIC RESIN COMPOSITE WITH CHIPBREAKER New

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

This tool is designed especially to cut phenolics resin composite. Solid carbide tooling with chipbreakers that will effectively "shatter and evacuate" the chips typically produced by phenolic materials. 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



CNC 90° COUNTERSINK & CHAMFER COMPOSITE MATERIALS

Solid Carbide (Brazed to Steel Shank) • 5 Flute

Designed for making 90 degree 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:
- 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

CNC feed and speed available online

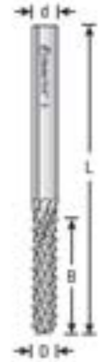
FIBERGLASS AND COMPOSITE

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 All Carbon Fiber Reinforced Polymer (CFRP)
- Composites
- Fiberglass
- Fiberglass PCB Board
- G10 / FR-4 and G11 / FR-5 Glass Epoxy Composite Laminate Material
- Fiber Reinforced Plastic (FRP)
- Glass Reinforced Plastic (GRP)
- Micarta®
- Phenolic
- Thermosetting Plastics
- Thermoset Composites



Medium Burr with End Mill Point Top View

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 AND 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° drillpoint minimizes part deflection on thin or otherwise unsupported work-pieces.

For material cut list, see above table.

135° Drill Point Top View

135° Drill Point

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

HIGH PERFORMANCE FIBERGLASS AND COMPOSITE

Solid Carbide • Burr End

Offering an array of unique extended life Aluminum Titanium Nitride (AlTiN) coated CNC router bits for all your fiberglass application needs. AlTiN 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. Coating helps to prevent edge failures due to vibration and shock during CNC and manual feed applications.

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

Excellent for Cutting:

- Edging and Slotting All Carbon Fiber Reinforced Polymer (CFRP)
- Composites
- Fiberglass
- Fiberglass PCB Board
- G10 / FR-4 and G11 / FR-5 Glass Epoxy Composite Laminate Material
- Fiber Reinforced Plastic (FRP)
- Glass Reinforced Plastic (GRP)
- Micarta®
- Phenolic
- Thermosetting Plastics
- Thermoset Composites

Burr End Top View

ØD	B	Ød	L	Tool No.
1/8	1/2	1/8	1-1/2	48050-B †
1/4	2-1/8	1/4	4	48054-B
3/8	1	3/8	3	48055-B
1/2	1-1/8	1/2	3	48058-B

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

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 cutting quality & extended tool life
- Less heat build-up

135° Drill Point

135° Drill Point
Top View

HIGH PERFORMANCE FIBERGLASS AND COMPOSITE

Solid Carbide • 135° Drill Point

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

AlTiN COATED BITS

Excellent for Cutting:

- Edging and Slotting All Carbon Fiber Reinforced Polymer (CFRP)
- Composites
- Fiberglass
- Fiberglass PCB Board
- G10 / FR-4 and G11 / FR-5 Glass Epoxy Composite Laminate Material
- Fiber Reinforced Plastic (FRP)
- Glass Reinforced Plastic (GRP)
- Phenolic

ØD	B	Ød	L	Tool No.
1/8	1/2	1/8	1-1/2	48050-D †
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

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

End Mill
Top View

HIGH PERFORMANCE FIBERGLASS AND COMPOSITE

Solid Carbide • End Mill

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

AlTiN COATED BITS

Excellent for Cutting:

- Edging and Slotting All Carbon Fiber Reinforced Polymer (CFRP)
- Composites
- Fiberglass
- Fiberglass PCB Board
- G10 / FR-4 and G11 / FR-5 Glass Epoxy Composite Laminate Material
- Fiber Reinforced Plastic (FRP)
- Glass Reinforced Plastic (GRP)
- Phenolic

ØD	B	Ød	L	Tool No.
1/8	1/2	1/8	1-1/2	48050-E †
1/4	1	1/4	3	48052-E
1/4	2-1/8	1/4	4	48054-E
3/8	1	3/8	3	48055-E
1/2	1-1/8	1/2	3	48058-E

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

Plain End
Top View

HIGH PERFORMANCE FIBERGLASS AND COMPOSITE

Solid Carbide • Plain End

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

AlTiN COATED BITS

Excellent for Cutting:

- Edging and Slotting All Carbon Fiber Reinforced Polymer (CFRP)
- Composites
- Fiberglass
- Fiberglass PCB Board
- G10 / FR-4 and G11 / FR-5 Glass Epoxy Composite Laminate Material
- Fiber Reinforced Plastic (FRP)
- Glass Reinforced Plastic (GRP)
- Phenolic

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.

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

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)

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

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

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

PANEL PILOT

Carbide Tipped • Single Flute • Heat Treated

These panel pilot bits have a pointed tip for plunge cuts, a special grind for speed and an integral solid pilot. It is designed for fast cut-out work and is used extensively in the mobile/motor home, caravan, star wagon, trailer, coache and RV industries.

This single-flute version cuts fast and produces an excellent finish.

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

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

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

2 Blade Stagger

3 Blade Stagger

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:

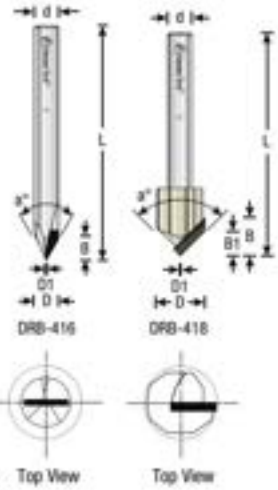
- Aluminum
- Aluminum Composites
- Aluminum Composite Material (ACM)
- Composites
- Composite Panels
- Custom Composite Materials (CCM)
- Fiberglass
- Fiberglass PCB Board
- Fiberglass Reinforced Composites
- Fiber-Reinforced Urethane
- Fiber-Reinforced Structural Foam Floors
- Hard and Soft Wood
- Lightweight Composites
- MDF & Laminate
- Plastic

ØD	B	Ød	L	L1	Max RPM	Tool No.
3/8	1-1/4	3/8	3	1-1/2	24,000	DRB-192 New
1/2	1	1/2	2-3/4	1-3/8	24,000	DRB-200
1/2	1-3/8	1/2	3-3/4	1-3/4	24,000	DRB-208
5/8	1	1/2	2-7/8	1-3/8	18,000	DRB-212
5/8	1-5/8	5/8	4	1-3/4	18,000	DRB-216
3/4	1-3/8	3/4	3-3/4	2	18,000	DRB-224

CNC feed and speed available online

PCD CNC ENGRAVING, V-GROOVING AND CHAMFERING

Diamond Tipped • Single & 2 Flute



Excellent for V-Grooving and Chamfering:

- Aluminum Composite Material (ACM)
- Carbon Fiber
- Composites
- Hardwood
- Laminate Chipboard and MDF
- Softwood
- Solid Surface
- Synthetic and Homogenous Marble
- Plywood Veneer

Excellent for Engraving:

- ACM
- Aluminum, Brass & Copper
- Aluminum Composites
- Carbon Fiber
- Composites
- Hardwood
- HDPE
- King Starboard®/ Marine Building Material
- Laminate Chipboard and MDF
- Metal Alloys that don't contain Iron
- PCB Board
- Phenolic
- Plastics
- Plywood Veneer
- Softwood
- Solid Surface
- Synthetic and Homogenous Marble
- Titanium

a°	ØD	D1	B	B1	Ød	L	Flute	Tool No.
60°	1/4	0.005	1/8	-	1/4	2-3/8	2	DRB-416
90°	1/2	0.004	3/8	1/4	1/4	2-1/4	1	DRB-418

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.

DRB-418

DRB-416

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.

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

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 *New*

Diamond Tipped • Single & 2 Flute Down-Shear

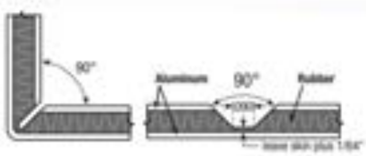
The diamond-tipped cutting edges last much longer than carbide-tipped tooling. In the long-run, PCD is the most economical choice.

Visit www.amanatool.com for full material cut list.

ØD	B	Ød	L	Flutes	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

DRB-421 (Down-Shear)

CNC feed and speed available online



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

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

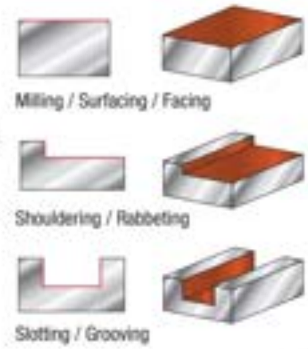
R	ØD	B	Ød	L	Tool No.
1/8	1/4	3/8	1/4	2-1/2	DRB-432

Warning: Maximum RPM=18,000

CNC feed and speed available online

CNC PCD SPOILBOARD SURFACING & RABBETING

Diamond Tipped • 2 Flute



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.

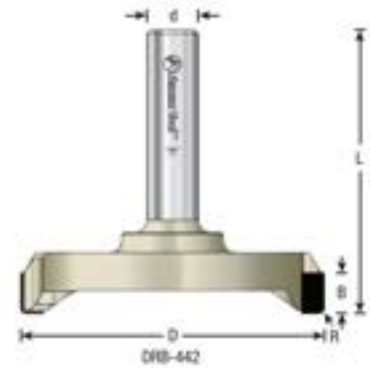
If you're looking for the ultimate in tooling you've found it! Our PCD-tipped compression CNC router bits will groove joint rabbet and surface plane a wide variety of tough abrasive materials including composites, particleboard, MDF (raw or with melamine), veneer and hardwoods. The cutting edge lasts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

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

DRB-440



DRB-442

ØD	B	R	A	Ød	L	Tool No.
1-1/2	1/2	-	3/8	1/2	2-1/2	DRB-440
75mm (3")	10mm (13/32)	1/16	-	1/2	2-3/4	DRB-442

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

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	D1	B	B1	# of Cutters	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

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:

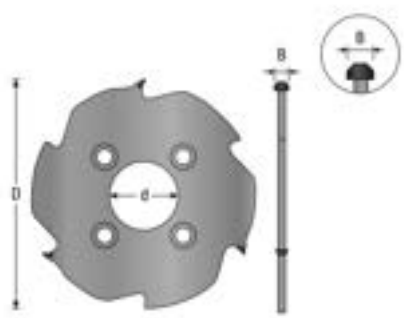
- ACM
- ACP
- Aluminum, Clay, Zinc & Wood Composite Panels
- Aluminum
- ALPOLIC® CCM
- Alucobond®
- Alupanel®
- Composites
- Composite Materials
- Dibond®
- Durabond**
- e-panel™
- Etalbond®
- Fiber-Reinforced Urethane
- Fiber-Reinforced Structural Foam Floors
- Fiberglass Reinforced Composites
- Lightweight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

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.
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.



PCD LAMELLO CUTTER *New*

Diamond Tipped • 3 Teeth

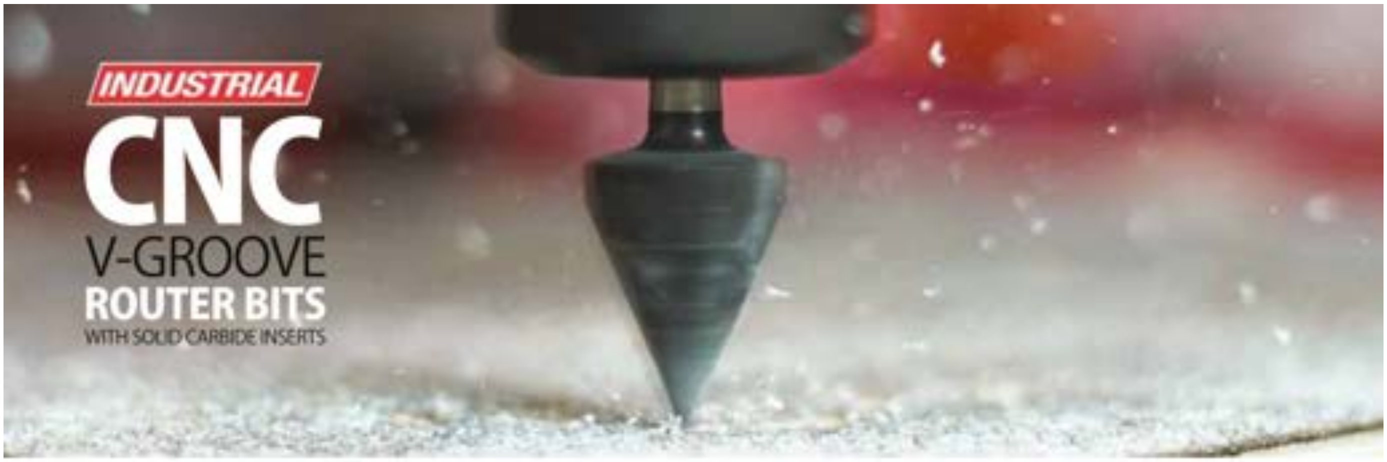
To be used both in CNC machines and Zeta P2 hand power tool.

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

ØD	Teeth	Ød	B	Pinholes	Tool No.
100.4mm	3	22mm	7mm	4/4/36	LAM100T3-PCD

Replacement parts: Bearing #47706; Screw #67096; Washer #67082.


INDUSTRIAL
Signmaking
at its finest!



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. General purpose knives included. For material cut list see next page.

a°	a°1	ØD	B	B1	Flute	Cutting 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°	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 New
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 New
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°	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°	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®.

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.

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.

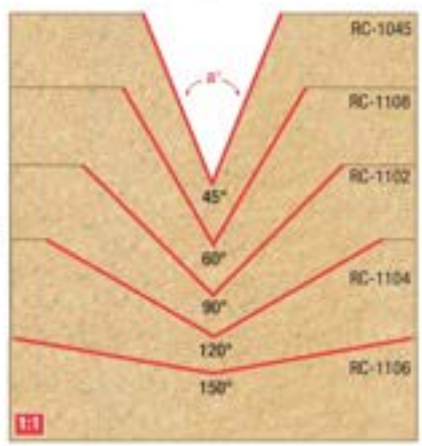
CNC feed and speed available online

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
- King ColorCore®, The Multi-Color Engravable Polymer Sheet.
- Laminate
- Melamine
- MDF/HDF
- Plastic
- PVC
- Sign Board
- Solid Surface
- Veneered Plywood
- Wood
- Xanita® Board*
- 20lbs High Density Urethane

V-Groove, Engrave and Chamfer Cuts

Excellent For Engraving:

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

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

a°	a°1	OD	B	B1	Od	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:** 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.**

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

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.

▲ **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.

V-Groove Sets
See page 71

CNC feed and speed available online

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
- 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 MINI INSERT CARBIDE ENGRAVING SYSTEM SET *New*

The mini In-Groove set contains 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.

AMS-220

Description	Shank	Overall Length	Tool No.
4-Piece In-Groove Set	1/8	1-3/4	AMS-220 †

Knives Included with Each Set

QTY	Description
1	45° V-Tip Insert Carbide Knife
1	60° V-Tip Insert Carbide Knife
1	90° V-Tip Insert Carbide Knife

Knives Included:

- RCK-505
- RCK-506
- RCK-507

Includes wrench and aluminum mounting block.

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

CNC feed and speed available online

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.

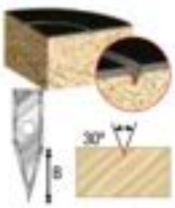
CNC tool bodies are expertly balanced for virtually no vibration for superior cutting results.

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

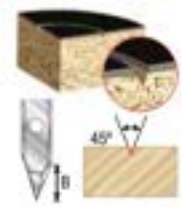
Replacement parts: Hex key #5004; Screw #67127.

REPLACEMENT IN-GROOVE™ INSERT CARBIDE KNIVES



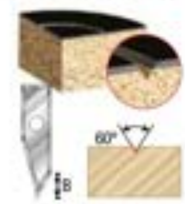
30° V-TIPS

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
Mini In-Groove 45° New		
-	5mm(3/16")	RCK-505 ‡

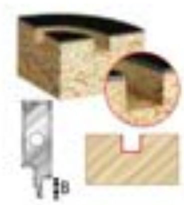


60° V-TIPS

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
Mini In-Groove 60° New		
-	5mm(3/16")	RCK-506 ‡

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
Mini In-Groove 90° New		
-	5mm(3/16")	RCK-507 ‡

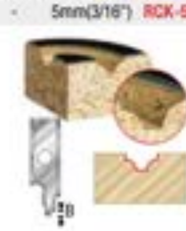


STRAIGHT PLUNGE

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

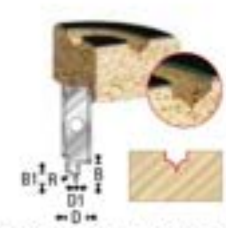
CORE BOX

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

‡ Only to be used with Mini In-Groove Insert Knives

8 PC. 3D SIGNMAKER SET

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. Each router bit is 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

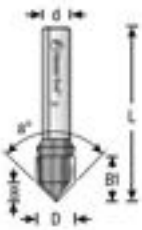
V-GROOVE SIGNMAKING & LETTERING

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



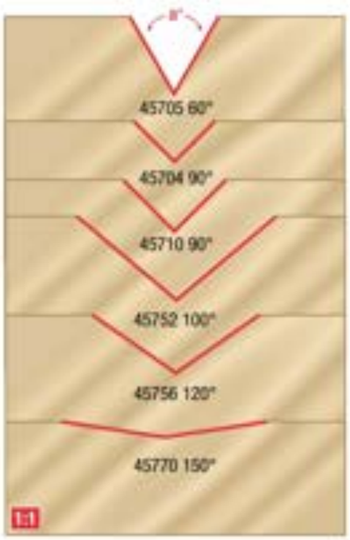
a°	ØD	B	B1	Ød	L	Flute	Tool No.
60°	1/4	1/8	—	1/4	2-3/8	2	DRB-416
60°	1/4	7/32	31/64	1/4	2	3	45624 *
60°	12.7mm	10.5mm	16mm	6mm	44mm	2	45705-M† New
60°	1/2	7/16	17/32	1/2	2-1/4	2	45719 † New
60°	1/2	7/16	5/8	1/4	1-3/4	2	45705 †
60°	1/2	7/16	5/8	1/4	2	2	45709 † New
60°	1/2	27/64	5/8	1/2	2-1/4	2	45706 †
60°	1/2	7/16	5/8	1/2	3	3	45629 * New
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 New
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
90°	1/2	1/4	1/2	1/4	2	2	45723 New
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	3/4	1/2	2-3/4	2	45728♦
90°	2	1	1-3/4	1/2	3-1/4	2	45732♦
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 New
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 =10,000; =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.

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

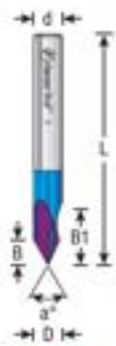


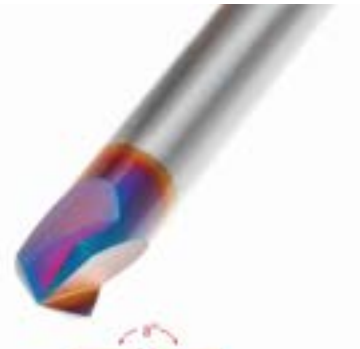
SPEKTRA
EXTREME TOOL LIFE COATING

V-GROOVE SIGNMAKING & LETTERING *New*

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
For material cut list see previous page 54.





a°	ØD	B	B1	Ød	L	Flute	Tool No.
30°	1/4	5/8	27/64	1/4	2	3	45634-K
30°	3/8	3/4	0.700	1/4	2-1/2	3	45642-K New
60°	1/4	7/32	31/64	1/4	2	3	45624-K
60°	3/8	3/4	0.325	1/4	2-1/2	3	45644-K New
90°	1/4	1/8	1/4	1/4	1-1/2	3	45626-K
90°	1/4	.116	25/64	1/4	2	3	45639-K
90°	1/4	1/8	9/16	1/4	1-1/2	2	45625-K
60°	1/4	7/32	31/64	1/4	2-1/2	4	45631-K
90°	1/4	1/8	1/4	1/4	2-1/2	4	45633-K

2-Packs

	Tool No.
2-Pc Pack includes 45624-K	45771-K-2 New

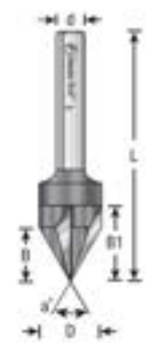
5-Packs

	Tool No.
5-Pc Pack includes 45624-K	45624-K-5
5-Pc Pack includes 45626-K	45626-K-5

60° V-GROOVE SIGNMAKING & LETTERING

Solid Carbide Cutting Head • 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.

SPEKTRA
EXTREME TOOL LIFE COATING

CNC V-GROOVE SIGNMAKING & LETTERING PACK *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.

1/4" SHANK

3-Piece • 30°, 60° & 90°

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

AMS-310-K

AMS-163

8-PC. CNC SIGNMAKING, LETTERING & ENGRAVING *New*

1/4" Shank • Solid Carbide Router Bit Collection

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:

- 20lbs High Density Urethane
- Acrylic
- Foam
- Laminate
- MDF/HDF
- Melamine
- Plywood
- PVC Plastic
- Wood
- Veneered Plywood
- Xanita® Board

Includes	Set No.
45627, 45628, 45620, 45621, 45622, 45623, 45625 & 45624	AMS-163

7-pc Set 45769

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 New
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 New
0.020	0.276	1/4	2-1/4	45602 New
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

SPEKTRA
EXTREME TOOL LIFE COATING

15°, 30°, 45° AND 120° ENGRAVING New

1/4" Shank • 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.

45771-K 45611-K 45622-K

15° Single Flute

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

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
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-Packs

	Tool No.
5-Pc Pack includes 45771-K	45771-K-5

CNC feed and speed available online

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	3/4	0.310	1/4	2-1/4	2	45613 New
60°	1/4	3/4	0.214	1/4	2-1/4	2	45615 New
90°	1/8	5/8	1/16	1/8	2	2	45608
90°	1/8	5/8	1/16	1/4	2-1/4	2	45609
90°	3/16	5/8	3/32	1/4	2-1/4	2	45610
90°	1/4	3/4	1/8	1/4	2-1/4	2	45612
90°	3/8	3/4	3/16	3/8	2-1/2	2	45614
90°	1/4	1/4	1/8	1/4	1-1/2	3	45626-Z New

CNC feed and speed available online

"ZERO-POINT" 60° & 90° V-GROOVE

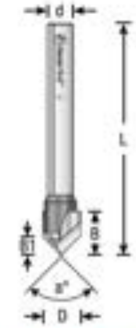
Carbide Tipped • 2 Flute

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	9/16	13/32	1/4	2-1/4	45707
90°	3/8	1/2	11/64	1/4	2-1/4	45701
90°	1/2	1/2	15/64	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

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

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.

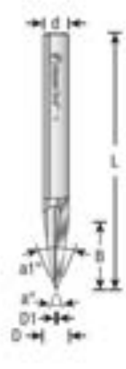
1/4" SHANK

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

40782 45628 45782



CARVING/ENGRAVING

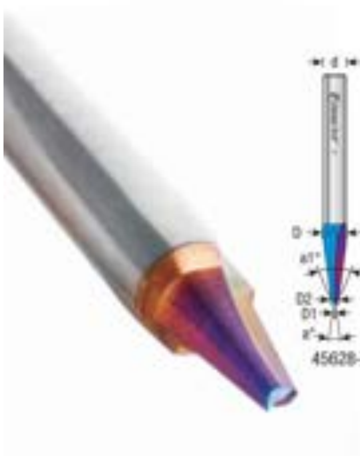
Solid Carbide • 2 Flute

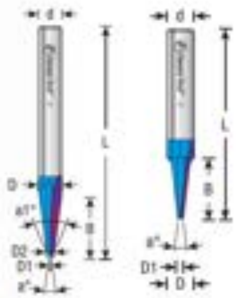
For fine-line "engraving" in wood and composite materials, use either of these compact bits. Two-flute configuration and modest length (which minimizes vibration) combine to produce crisp, clean cuts.

a°	a1°	ØD	D1	B	B1	Ød	L	Tool No.
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°	30°	3/8	.030	5/8	3/8	3/8	3	45635 New
60°	30°	1/2	.040	5/8	1/2	1/2	3	45636 New
60°	-	1/4	0.025	3/16	-	1/4	2	45782 New
60°	30°	1/8	0.016 (1/64)	3/8	-	1/8	2	40780
60°	-	1/4	0.017	0.560	-	1/4	1-1/2	59400
90°	45°	3/8	.036	5/8	3/8	3/8	3	45637 New

5-Packs

	Tool No.
5-Pc Pack includes 45783	45783-5





SPEKTRA

EXTREME TOOL LIFE COATING

CARVING/ENGRAVING New

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

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	0.07	0.400	1/8	2-1/4	40782
18°	1/4	-	5/8	1/4	2-1/2	45783
22°	1/4	0.017	0.648	1/4	2-1/2	40784

SPEKTRA
EXTREME TOOL LIFE COATING

CARVING LINER *New*

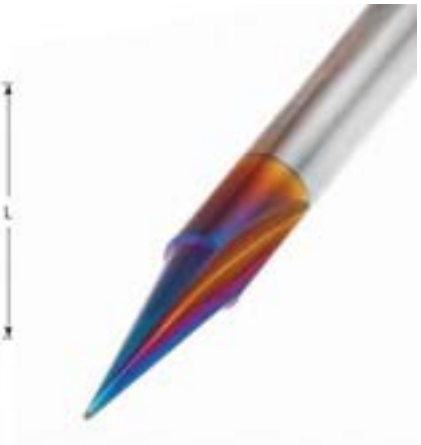
Solid Carbide • Single Flute

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.

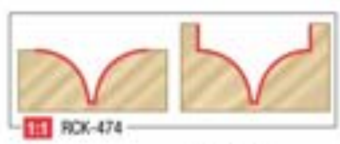
Template

Template

INDUSTRIAL

TRU POINT

INSERT ROUNDOVER CNC SYSTEM™



TRU POINT™ ROUNDOVER INSERT CNC SYSTEM *New*

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 *New*

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	1/4	2-7/8	RCK-464	RC-1064
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

TRU POINT™ BALL NOSE INSERT CNC SYSTEM *New*

Solid Carbide • Single Flute • Ball Nose Style

For lettering, engraving, signmaking, 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	1/4	3/16	1/4	2-7/8	RCK-476	RC-1092
1/8	7/8	1/4	3/16	1/2	2-7/8	RCK-476	RC-1093
3/16	7/8	3/8	15/64	1/4	2-7/8	RCK-477	RC-1094
3/16	7/8	3/8	15/64	1/2	2-7/8	RCK-477	RC-1095
1/4	7/8	1/2	5/16	1/4	2-7/8	RCK-478	RC-1096
1/4	7/8	1/2	5/16	1/2	2-7/8	RCK-478	RC-1097
5/16	7/8	5/8	25/64	1/4	2-7/8	RCK-479	RC-1098
5/16	7/8	5/8	25/64	1/2	2-7/8	RCK-479	RC-1099

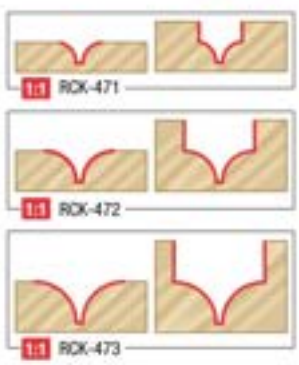
Replacement parts: 1/4" Shank Tool Body #RC-1050; 1/2" Shank Tool Body #RC-1052; Torx key #5005; Screw #67110.

TRU POINT™ ROUNDOVER *New* INSERT CNC SETS

Solid Carbide • Single Flute • Roundover Style

The 4-piece Tru Point Insert Roundover 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.

Description	Tool No.
4-Pc. Set includes RC-1050 1/4"shank tool body, solid carbide insert knife #'s RCK-471 (1/8" R), RCK-472 (3/16" R) and RCK-473 (1/4" R)	AMS-214
4-Pc. Set includes RC-1052 1/2"shank tool body, solid carbide insert knife #'s RCK-471 (1/8" R), RCK-472 (3/16" R) and RCK-473 (1/4" R)	AMS-216



Set #AMS-216

TRU POINT™ ROUNDOVER *New* 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

RC-1050

RC-1052

INDUSTRIAL

CNC ROUTER BIT COLLECTIONS

For Woodworking & Advanced Materials

2-PC. SIGNMAKING/ ENGRAVING

1/4" SHANK · New

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

Cut decorative carvings, V-Grooves and lettering on signs.

Includes	Set No.
45704 (90°) & 45783 (18°)	AMS-193

2-PC. CNC SIGNMAKING/ ENGRAVING

1/8" SHANK · 1/4" SHANK · New

1/8" & 1/4" Shank • Solid Carbide Router Bit Pack

Cut decorative carvings, V-Grooves and lettering on signs.

Includes	Set No.
46180-K & 45624 (60°)	AMS-196

2-PC. CNC SPEKTRA™ SIGNMAKING

1/4" SHANK · New · SPEKTRA

1/4" Shank • Solid Carbide Router Bit Pack

Designed for creating signs and other CNC projects in a variety of materials.

Includes	Set No.
46202-K & 46170-K	AMS-197-K

2-PC. CNC SPEKTRA™ SIGNMAKING

1/4" SHANK · New · SPEKTRA

1/4" Shank • Solid Carbide Router Bit Pack

Cut decorative carvings, V-Grooves and lettering on signs.

Includes	Set No.
46202-K & 45771-K (30°)	AMS-115-K

2-PC. CARVING/ ENGRAVING PACK

1/4" SHANK · New

1/4" Shank • Solid Carbide Router Bit Pack

Designed for creating signs and other CNC projects in a variety of materials.

Includes	Set No.
45780-K (15°) & 45783 (18°)	AMS-198

2-PC. CARVING 2D/CORE BOX PACK

1/4" SHANK · New

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

Cut decorative carvings and lettering on signs.

Includes	Set No.
45910 & 46282-K	AMS-191

AMS-193

AMS-196

AMS-197-K

AMS-115-K

AMS-198

AMS-191

CNC feed and speed available online

AMS-114-K

New

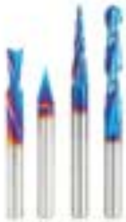
3-PC. CNC SIGNMAKING/ ENGRAVING

1/4" Shank • Solid Carbide Router Bit Pack

SPEKTRA

Cut decorative carvings, V-Grooves and lettering on signs.

Includes	Set No.
46170-K, 46202-K & 45771-K	AMS-114-K
45624-K, 46170-K & 46200-K	AMS-247-K



AMS-188-K

New

4-PC. CNC SIGNMAKING/ ENGRAVING

1/4" Shank • Solid Carbide Router Bit Pack

SPEKTRA

Cut decorative carvings, V-Grooves and lettering on signs.

Includes	Set No.
46202-K, 46202-K, 45771-K & 46294-K	AMS-188-K
46415-K, 45624-K, 46282-K & 46294-K	AMS-314-K

AMS-112

New

5-PC. CNC SIGNMAKING/ ENGRAVING

1/8" Shank • Solid Carbide Router Bit Pack

SPEKTRA

Cut decorative carvings and lettering on signs.

Includes	Set No.
46180-K, 46227-K, 51410-K, 51406-K, 46295-K & RB-102	AMS-112

AMS-299-T

New

3-PC.CNC STARTER SET

1/4" Shank • Solid Carbide & Insert Carbide Router Bit Pack• Packed In Stackable Plastic ToolBox

SPEKTRA

Designed specifically for a wide variety of applications.

Includes	Set No.
46200-K, RC-45711, 46202-K	AMS-299-T

AMS-177

8-PC. CNC V-GROOVE, POINT ROUNDOVER & MULTI-PURPOSE

1/4" Shank • Solid Carbide Router Bit Collection

Designed specifically for a wide variety of applications. Also perfect for signmaking.

Includes	Set No.
45704, 45705, 46376, 46102, 46282, 56125, 46202 & 46200	AMS-177

AMS-177-K

New

8-PC. CNC V-GROOVE, POINT ROUNDOVER & MULTI-PURPOSE

1/4" Shank • Solid Carbide Router Bit Collection

SPEKTRA

Designed specifically for a wide variety of applications. Also perfect for signmaking. With Spektra™ Bits.

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

† Packaging: Wooden Box * Packaging: Cardboard box

For material cut list visit www.amanatool.com CNC feed and speed available online

3-PC. MATT'S CNC STARTER

New

1/4" Shank • Insert Carbide & 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.

For material cut list visit www.amanatool.com

Includes	Set No.
46202-K, 46200-K & RC-1148	AMS-119
46202-K, 46200-K & RC-1148	AMS-119-T ◆

◆ Packaging: Stackable Plastic ToolBox

AMS-119

AMS-119-T

4-PC. MATT'S CNC STARTER

New

1/8" & 1/4" Shank • Insert Carbide & 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.

For material cut list visit www.amanatool.com

Includes	Set No.
RC-1148, 46202-K, 46200-K & 46237-K	AMS-109

AMS-109

8-PC. ADVANCED CNC STARTER

New

1/4" Shank • Insert Carbide & Solid 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.

Excellent For Cutting:

- Aluminum, Brass, Bronze, Copper
- Carbon Fiber
- Laminate
- MDF
- Melamine
- Plastic/Acrylic
- Solid Surface
- Wood
- Veneered Plywood

Includes	Set No.
RC-2248, RC-1142, RC-1148, 46170-K, RC-1145, 46202-K, 46282-K & 45771-K	AMS-179

AMS-179

8-PC. JOOS ADVANCED CNC

New

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

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 Cutting:

- Aluminum, Brass, Bronze, Copper
- Carbon Fiber
- Laminate
- MDF
- Melamine
- Plastic/Acrylic
- Solid Surface
- Wood
- Veneered Plywood

Includes	Set No.
46201-K, 45225-K, 46202-K, 46170-K, 45771-K, RC-1145, RC-1148 & 46282-K	AMS-230

AMS-230

8-PC. CNC THEDUTCHMANMODIFIES CASEMODDING SET

New

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

For material cut list visit www.amanatool.com

Includes	Set No.
45771-K, 46282-K, 46292-K, 46577-K, 57363-K, 57360-K, 57361-K & RC-45711	AMS-265

AMS-265

CNC feed and speed available online

AMS-235

New

4-PC. COLSON'S CHOICE CNC STARTER

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

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

Includes	Set No.
46233-K, 46170-K, RC-1145 & RC-1148	AMS-235

AMS-155

New

4-PC. BRIAN'S CHOICE CNC STARTER

1/4" Shank • Insert Carbide & 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.

Includes	Set No.
RC-1148, 46202-K, 46200-K & 45771-K	AMS-155 AMS-177

AMS-155

New

4-PC. JMC CNC STARTER

1/8" & 1/4" Shank • Insert Carbide & 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.

Includes	Set No.
RC-1148, 46237-K, 46052-K & 45771-K	AMS-158

AMS-102

New

4-PC. X-CARVE® CNC STARTER

1/4" Shank • Insert Carbide & 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.

Includes	Set No.
RC-1148, 46202-K, 45771-K & 46282-K	AMS-102

AMS-113 AMS-234-K

New

3-PC. CNC STARTER

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

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

Includes	Set No.
RC-1148, 46202-K & 45771-K	AMS-113

1/4" Shank • Solid Carbide Router Bit Pack

Includes	Set No.
46225-K, 46202-K & 46170-K	AMS-234-K

For material cut list visit www.amanatool.com CNC feed and speed available online

4-PC. CNC SIMULATED MDF SHAKER DOOR ROUTER

New

Set is designed to give the appearance of a Shaker door in MDF or solid panels.

1/4" & 1/2" Shank • Solid Carbide & Insert Cabide Router Bit Pack

Includes	Set No.
RC-1108, 46200-K, RC-2254, 45408-3, HMA-12 (1 Knives)	AMS-262

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

Includes	Set No.
46170-K, 45525, 45624-K, 46200-K	AMS-263

8-PC CNC GENERAL PURPOSE ROUTER

1/4" Shank • Solid Carbide & Insert Carbide Router Bit Set • Packed In Stackable Plastic ToolBox

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

Includes	Set No.
RC-45711, RC-1148, 46170-K, 46102-K, 46200-K, 46202-K, 46282-K, 45771-K	AMS-257

AMS-257

8-PC. CNC GENERAL PURPOSE III

New

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

For the most demanding signmaking, lettering and engraving tasks. 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.

For material cut list visit www.amanatool.com

Includes	Set No.
45707, 45701, 46201-K, 46202-K, 46200-K, 46282-K, 45771-K, 46376-K	AMS-174 †
45707, 45701, 46201-K, 46202-K, 46200-K, 46282-K, 45771-K, 46376-K	AMS-174-B *

† Packaging: Wooden Box   * Packaging: Cardboard box

AMS-174

8-PC. CNC GENERAL PURPOSE

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

This 1/4" shank collection was designed for CNC profiling, 2D and 3D profiling and carving in plastics, aluminum and wood. Also 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

Includes	Set No.
45704, 45705, 46426, 46424, 46248, 46341, 46348, 46282	AMS-134 †
45704, 45705, 46426, 46424, 46248, 46341, 46348, 46282	AMS-134-B *

† Packaging: Wooden Box   * Packaging: Cardboard box

AMS-134

8-PC. CNC GENERAL PURPOSE

1/2" Shank • Carbide Tipped, Solid Carbide & Insert Carbide Router Bit Collection

For the most demanding signmaking, lettering and engraving tasks. 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.

For material cut list visit www.amanatool.com

Includes	Set No.
45411, RC-1102, 46188, 46380, 46206, 46106, RC-2250 & RC-1076 (with RCK-360)	AMS-170

AMS-170

CNC feed and speed available online

AMS-130

8-PC. CNC STARTER SIGNMAKING

1/4" & 1/2" Shank • Carbide Tipped, Solid Carbide & Insert Carbide Router Bit Collection

Designed specifically for 2D/3D, signmaking, lettering and engraving applications.

Expand Your Creativity

The set is specially designed for creating signs and other CNC projects in a variety of materials. For the most demanding signmaking, lettering and engraving tasks.

Excellent For Cutting:

- Aluminum, Brass, Bronze, Copper
- Carbon Fiber
- Laminate
- MDF
- Melamine
- Plastic/Acrylic
- Solid Surface
- Wood
- Veneered Plywood

Angle	Dia.	Cut Height	Shank	Length	Type	Includes
60°	1/2	5/8	1/4	1-3/4	V-Groove	45705
7.5°	3/16	1/2	1/4	1-11/16	V-Groove	45780
—	1/4	5/8	1/4	2	Aluminum 'O' Flute	51402
—	1/4	3/4	1/4	2	Aluminum 'O' Flute	51404
—	1/4	1/2	1/4	2-1/2	Spiral Ball Nose	46426
45°	13/16	7/8	1/2	2-3/8	Insert V-Groove	RC-1045
90°	1-1/2	3/4	1/2	3	Insert V-Groove	RC-1102
—	—	—	In-Groove™ with 30° V-Tip Insert Knife			RC-1075
Complete 8-Pc Set						AMS-130

AMS-164

8-PC. CNC STARTER

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

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 Cutting:

- Aluminum, Brass, Bronze, Copper
- Carbon Fiber
- Laminate
- MDF
- Melamine
- Plastic/Acrylic
- Solid Surface
- Wood
- Veneered Plywood

Includes	Set No.
43608, 51402, 51421, 46438, 51454, 46170-K, RC-2245 & 45210	AMS-164

AMS-237

4-PC. CNC STARTER

1/4" Shank • Solid Carbide & Insert 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:

- Laminate
- MDF
- Melamine
- Plastic/Acrylic
- Solid Surface
- Wood
- Veneered Plywood

Includes	Set No.
46202-K, 45771-K, RC-1148 & RC-2265	AMS-237

CNC feed and speed available online

5-PC. CNC STARTER ENGRAVING

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

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

AMS-127

Includes	Set No.
46282, 46286, 46102, 45705 & 45700	AMS-127

8-PC. CNC STARTER SIGNMAKING II

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

Designed specifically for 2D/3D, signmaking, lettering and engraving applications.

Expand Your Creativity

The set is specially designed for creating signs and other CNC projects in a variety of materials. For the most demanding signmaking, lettering and engraving tasks.

Excellent For Cutting:

- Aluminum, Brass, Bronze, Copper
- Carbon Fiber
- Laminate
- MDF
- Melamine
- Plastic/Acrylic
- Solid Surface
- Wood
- Veneered Plywood

AMS-131

Includes	Set No.
51404, 45226, RC-2248, RC-1145, 46374, 46284, 51402 & 46202	AMS-131

8-PC. STARTER SIGNMAKING III

1/4" & 1/2" Shank • Carbide Tipped & Solid Carbide Router Bit Collection

Designed specifically for 2D/3D, signmaking, lettering and engraving applications.

Expand Your Creativity

This signmaking collection is specially designed for creating signs and other CNC projects in a variety of materials. For the most demanding signmaking, lettering and engraving tasks.

Excellent For Cutting:

- Aluminum, Brass, Bronze, Copper & Titanium
- Dibond®
- Fiberglass
- Fiberglass PCB Board
- Foam Board
- Graphite
- HDPE
- Laminate
- MDF/HDF
- Phenolic Composites
- Sign Foam, Sign Board & HDU
- Wood
- 20lbs High Density Polyurethane

Angle	Dia.	Radius	Cut Length	Shank	Length	Type	Tool No.
—	1/2	1/4	3/8	1/2	2-1/8	Core Box	45912
—	1-1/2	—	5/8	1/2	2-3/4	Mortising	45566
7.5°	3/16	—	1/2	1/4	1-11/16	V-Groove	45780
90°	5/8	—	1/2	1/2	2	V-Groove	45712
—	1/8	—	1/2	1/4	2	Spiral Plunge	46200
—	1/4	—	1	1/4	2-1/2	Spiral Plunge	46415
5.4°	1/16	1/32	1	1/4	3	2D/3D Carve	46282
0.10°	1/4	1/8	1-1/2	1/4	3	2D/3D Carve	46294
			Complete 8-Pc Set				AMS-133

AMS-133

CNC feed and speed available online

AMS-169

New **10-PC. CNC SIGNMAKING IV**

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

Excellent For Cutting:

- Aluminum, Brass, Bronze, Copper
- Carbon Fiber
- Laminate
- MDF
- Melamine
- Plastic/Acrylic
- Solid Surface
- Wood
- Veneered Plywood

Includes	Set No.
51404-K, 46202-K, 46170-K, 46180-K, 45771-K, RC-1148, RC-1075, 46282-K & RB-102	AMS-169

AMS-175

New **5-PC. CNC SIGNMAKING V**

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

Excellent For Cutting:

- Aluminum, Brass, Bronze, Copper
- Carbon Fiber
- Laminate
- MDF
- Melamine
- Plastic/Acrylic
- Solid Surface
- Wood
- Veneered Plywood

Includes	Set No.
45711-K, RC-1148, 46282-K, 46202-K & 46170-K	AMS-175

AMS-132

18-PC. CNC ADVANCED SIGNMAKING

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

Includes	Set No.
RC-45910, 56125, 45783, RC-45711, 45780, 45705, 45751, 45756, 46170, 46102, 46376, RC-2248, 51454, 51411, 46282, 51404, 51402 & RC-1075 (with RCK-360)	AMS-132

For material cut list visit www.amanatool.com.

AMS-178

8-PC. CNC ARTIST SIGNMAKING

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

Excellent For Cutting:

- Aluminum, Brass, Bronze, Copper
- Carbon Fiber
- Laminate
- MDF
- Melamine
- Plastic/Acrylic
- Solid Surface
- Wood
- Veneered Plywood

Includes	Set No.
46369, 45226, 45704, 46282, 45200, 46102, 45783 & RC-1075	AMS-178

CNC feed and speed available online

4-PC. CNC V-GROOVE 2D/3D SIGNMAKING, LETTERING AND ENGRAVING

New

1/2" Shank • Insert Carbide Router Bit Collection

See page 51 for material cut list.

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

Includes	Set No.
RC-1145 (45°), RC-1148 (60°), RC-1142 (90°) & RC-1146 (120°)	AMS-225

AMS-225

3-PC. CNC V-GROOVE 2D/3D SIGNMAKING, LETTERING AND ENGRAVING

New

1/2" Shank • Insert Carbide Router Bit Pack

See page 51 for material cut list.

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

Includes	Set No.
RC-1145 (45°), RC-1148 (60°) & RC-1142 (90°)	AMS-153

AMS-153

3-PC. CNC V-GROOVE 2D/3D SIGNMAKING, LETTERING AND ENGRAVING

New

1/2" Shank • Insert Carbide Router Bit Pack

See page 51 for material cut list.

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

Includes	Set No.
RC-1045 (45°), RC-1108 (60°) & RC-1102 (90°)	AMS-157

AMS-157

4-PC. CNC V-GROOVE 2D/3D SIGNMAKING, LETTERING AND ENGRAVING

1/2" Shank • Insert Carbide Router Bit Collection

See page 51 for material cut list.

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

Includes	Set No.
RC-1045 (45°), RC-1108 (60°), RC-1102 (90°) & RC-1104 (120°)	AMS-150

AMS-150

Visit website for additional sets.

CNC feed and speed available online

AMS-261

New

8-PC. CNC ADVANCED MASTER COLLECTION

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

Excellent For Cutting:

- Aluminum, Brass, Bronze, Copper
- Laminate
- MDF
- Melamine
- Plastic/Acrylic
- Solid Surface
- Wood
- Veneered Plywood

Includes	Set No.
46448-K, 46200-K, 46202-K, 45771-K, 51404-K, 51402-Z, RC-1148 & RC-2265	AMS-261

AMS-128

8-PC. CNC V-CARVING

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

Excellent For Cutting:

- Aluminum, Brass, Bronze, Copper
- Carbon Fiber
- Laminate
- MDF
- Melamine
- Plastic/Acrylic
- Solid Surface
- Wood
- Veneered Plywood

Includes	Set No.
45783, 45780, 45771, 45700, 45705, 46280, 46282 & RC-1075 (with RCK-360)	AMS-128

AMS-151

8-PC. V-GROOVE FOR ACM PANELS

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

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®
- Titanium Composite Material (TCM)
- Wood

Includes	Set No.
45792, 45795, 45798, 45745, 45762, RC-45716, 51402 & 51502	AMS-151

AMS-138

10-PC. CNC 3D, SIGNMAKING, LETTERING AND ENGRAVING

1/2" Shank • Carbide Tipped, Solid Carbide & Insert Carbide Router Bit Collection

Excellent For Cutting:

- Aluminum, Brass, Bronze, Copper
- Carbon Fiber
- Laminate
- MDF
- Melamine
- Plastic/Acrylic
- Solid Surface
- Wood
- Veneered Plywood

Includes	Set No.
RC-2250, RC-1045, 45733, 45422, 46206, 46380, 46190, 45912, RC-1102 & RC-1076 (with RCK-360)	AMS-138

CNC feed and speed available online

18-PC. CNC ADVANCED GENERAL PURPOSE

1/2" Shank • Carbide Tipped, Solid Carbide & Insert Carbide Router Bit Collection

Excellent For Cutting:

- Aluminum, Brass, Bronze, Copper
- Aluminum Composite Material (ACM)
- Aluminum FoamCore
- Carbon Fiber
- Durabond
- Fiberglass
- Fiberglass PCB Board
- Laminate
- Melamine
- MDF/HDF
- Plastic/Acrylic
- Sign Foam, HDU
- Solid Surface
- Titanium
- Wood
- Veneered Plywood
- Xanita® Lightboard™ and X-Board™

AMS-139

Includes	Set No.
RC-2250, RC-1045, RC-1108, RC-1102, 45733, 45794, 45408, 45418, 45422, 45426, 46106, 46206, 46174, 46188, 46356, 45932, 46380 & RC-1076 (with RCK-360)	AMS-139

CNC General Purpose Sets New
Visit www.amanatool.com #AMS-286

18-PC. CNC SPECIALTY MULTI-MATERIAL

1/8" Shank • Solid Carbide Router Bit Collection

Excellent For Cutting:

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

AMS-173

Includes	Set No.
51470, RB-102(2), 51471, 51506, 51461, 46291, 46295, 51415, 51410(2), 51510, 46269, 46373,46260, 46180(2), 46127, 46227 & 46240	AMS-173

18-PC. CNC SPECIALTY MULTI-MATERIAL

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

AMS-176

Includes	Set No.
51464, 51454, 51402, 51411, 51404, 46272, 45762, 46280, 46282, 46426, 46094, 46376, 46102, 46100, 46202, 46200, 46170 & RC-2249	AMS-176

For material cut list see above table (AMS-173 group).

CNC feed and speed available online

INDUSTRIAL

Master CNC

Router Bit Collection

Set #AMS-CNC-58

1/8" SHANK 1/4" SHANK 1/2" SHANK

Set #AMS-CNC-58

58-PC. CNC MASTER ADVANCED MATERIAL

Carbide Tipped, Solid Carbide & Insert Carbide Router Bit Collection

58 pieces of the most versatile CNC, industrial, high performance solid carbide, carbide-tipped and solid carbide insert router bits.

Stored in a freestanding or wall-mounted wood display with locking clear acrylic door that measures 27-1/2" H x 22-1/2" W x 6" D.

Excellent For Cutting:

- Aluminum, Brass, Bronze, Copper, Gold, Silver & Titanium
- ACM
- Aluminum FoamCore
- Composite
- Corrugated Polypropylene
- Durabond®
- Fiberglass
- Fiberglass PCB Board
- 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™

The Ultimate CNC Cutting Solution for Advanced Material Types!

CNC Cutting Solutions for Challenging Material Types

2D/3D Carving ZrN Coated

46280	3D Carving Ball Nose 1/32" Dia., 6.2°
46282	3D Carving Ball Nose 1/16" Dia., 5.4°
46286	3D Carving Ball Nose 1/8" Dia., 3.6°
46284	3D Carving Ball Nose 1/8" Dia., 1°
46292	3D Carving Flat Bottom 1/8" Dia., 0.10°
46294	3D Carving Ball Nose 1/4" Dia., 0.10°
46490	3D Carving Extra-Long Ball Nose 1/4" Dia., 0.10°
RB-116	Reduction Bushing 1/2" to 1/4"

Ball Nose

46424	Spiral 3/16" Dia., 3/32" Radius
46426	Spiral 1/4" Dia., 1/8" Radius
46376	Spiral 1/4" Dia., 1/8" Radius
46380	Spiral 1/2" Dia., 1/4" Radius
46384	Spiral 1/2" Dia., 1/4" Radius

MDF/Laminate

46180	Compression Spiral 1/8" Dia., 13/16" Cut Length
RB-102	Reduction Bushing 1/4" to 1/8"
46170	Compression Spiral 1/4" Dia., 7/8" Cut Length
46172	Compression Spiral 3/8" Dia., 1-1/4" Cut Length
RB-122	Reduction Bushing 1/2" to 3/8"
46188	Compression Spiral 1/2" Dia., 1-1/4" Cut Length

Plastic 'O' Flute

51410	Spiral 1/8" Dia., 1/2" Cut Length
RB-102	Reduction Bushing 1/4" to 1/8"
47640	1/4" Extension Adapter, 1/2" Shank
51411	Spiral 1/8" Dia., 1/2" Cut Length
51417	Spiral 3/16" Dia., 5/8" Cut Length
51404	Spiral 1/4" Dia., 3/4" Cut Length
51405	Spiral 1/4" Dia., 1" Cut Length
51504	Spiral 1/4" Dia., 3/4" Cut Length
43500	Straight 1/8" Dia., 1/2" Cut Length

Aluminum 'O' Flute

51406	Spiral 1/8" Dia., 5/16" Cut Length
RB-102	Reduction Bushing 1/4" to 1/8"
51474	Spiral 1/8" Dia., 1/4" Cut Length
51454	Spiral 1/8" Dia., 1/2" Cut Length
51408	Spiral 3/16" Dia., 1/2" Cut Length
51502	Spiral 1/4" Dia., 5/8" Cut Length
51402	Spiral 1/4" Dia., 5/8" Cut Length

Steel Cutting Aluminum Titanium Nitride (AlTiN) Coated

51460	Spiral 1/8" Dia., 3/8" Cut Length
51464	Spiral 1/4" Dia., 5/8" Cut Length
51467	Spiral 3/8" Dia., 1/2" Cut Length

Aluminum Composite Material (ACM)

45798	135° V-Groove, 23/32" Dia.
45792	90° V-Groove, 1/2" Dia.
45795	108° V-Groove, 1/2" Dia.

Signmaking

45783	18° Carving Liner, 1/4" Dia.
RC-1075	1/4" Shank CNC Tool Body
RCK-360*	30° V-Groove Solid Carbide Insert Knife
RC-1045*	45° Insert CNC V-Groove, 13/16" Dia.
RC-1108*	60° Insert CNC V-Groove, 1-1/32" Dia.
RC-1102*	90° Insert CNC V-Groove, 1-1/2" Dia.

Wood/MDF

RC-2250*	Mini Insert Spoilboard 1-1/2" Dia.
46102	Spiral Flute Plunge 1/4" Dia., Up-Cut
46202	Spiral Flute Plunge 1/4" Dia., Down-Cut

Foam

46270	Spiral 1/8" Dia., 1-1/8" Cut Length
46272	Spiral 1/4" Dia., 2-1/4" Cut Length

Composites, ZrN Coated

46308	Honeycomb Spiral 3/8" Dia., 1-1/4" Cut
RB-122	Reduction Bushing 1/2" to 3/8"
46306	Honeycomb Hogger Spiral 1/4" Dia.
RB-116	Reduction Bushing 1/2" to 1/4"
46094	Composites Spiral 1/4" Dia., 1/4" Cut

* Items are from Amana Tool® Industrial Division

Set Includes:

- Top selling 58 SKUs
- Plywood veneer lockable cabinet
- Plastic bushings keep bits straight & rust-free
- Locking acrylic cabinet door
- Bits are organized by material-type for easy tool selections

INDUSTRIAL

CNC MASTER ROUTER BIT COLLECTION

NEW LED ILLUMINATED LOCKABLE DISPLAY WITH INTEGRATED LED LOGO HEADER, MIRRORED INTERIOR AND REAL WOOD!

Features

Top selling 57 SKU's
Locking door with two keys

Specifications

31" H x 27" W x 9" D
Weighs 36lbs (with tools)

Amana Tool®

Set #AMS-CNC-60

Set #AMS-CNC-60 *New*

57-PC. CNC MASTER ROUTER BIT COLLECTION

LED Illuminated, Mirrored Interior and Solid Wood Display

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 and excellent tool design to allow for repeat sharpening. 57 pieces of the most versatile CNC industrial quality high performance solid carbide carbide tipped and solid carbide insert router bits. Stored in a freestanding or wall-mounted wood display with locking clear acrylic door that measures 27-1/2" H x 22-1/2" W x 6" D.

The Ultimate CNC Cutting Solution for Advanced Material Types!

CNC Cutting Solutions for Challenging Material Types

Excellent For Cutting:

- Aluminum, Brass, Bronze, Copper, Gold, Silver & Titanium
- ACM
- Aluminum FoamCore
- Composite
- Corrugated Polypropylene
- Durabond®
- Fiberglass
- Fiberglass PCB Board
- 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™

2D/3D Carving Spektra™ Coated

46280-K	3D Carving Ball Nose 1/32" Dia., 6.2°
46282-K	3D Carving Ball Nose 1/16" Dia., 5.4°
46286-K	3D Carving Ball Nose 1/8" Dia., 3.6°
46284-K	3D Carving Ball Nose 1/8" Dia., 1°
46294-K	3D Carving Ball Nose 1/4" Dia., 0.10°
46490-K	3D Carving Extra-Long Ball Nose 1/4" Dia., 0.10°
RB-116	Reduction Bushing 1/2" to 1/4"

Ball Nose

46424	Spiral 3/16" Dia., 3/32" Radius
46426	Spiral 1/4" Dia., 1/8" Radius
46376-K	Spiral 1/4" Dia., 1/8" Radius
46380-K	Spiral 1/2" Dia., 1/4" Radius
46460	Spiral 1/2" Dia., 1/16" Radius

MDF/Laminate

46180-K	Compression Spiral 1/8" Dia., 13/16" Cut Length
RB-102	Reduction Bushing 1/4" to 1/8"
46170-K	Compression Spiral 1/4" Dia., 7/8" Cut Length
46172-K	Compression Spiral 3/8" Dia., 1-1/4" Cut Length
RB-122	Reduction Bushing 1/2" to 3/8"
46188-K	Compression Spiral 1/2" Dia., 1-1/4" Cut Length

Set Includes:

- Top selling 57 SKUs
- Plywood veneer lockable cabinet
- Plastic bushings keep bits straight & rust-free
- Locking acrylic cabinet door
- Bits are organized by material-type for easy tool selections

Plastic 'O' Flute

51410-K	Spiral 1/8" Dia., 1/2" Cut Length
RB-102	Reduction Bushing 1/4" to 1/8"
47640	1/4" Extension Adapter, 1/2" Shank
51411-K	Spiral 1/8" Dia., 1/2" Cut Length
51417-K	Spiral 3/16" Dia., 5/8" Cut Length
51404-K	Spiral 1/4" Dia., 3/4" Cut Length
51405-K	Spiral 1/4" Dia., 1" Cut Length
51504-K	Spiral 1/4" Dia., 3/4" Cut Length
43500	Straight 1/8" Dia., 1/2" Cut Length

Aluminum 'O' Flute ZrN Coated

51406-Z	Spiral 1/8" Dia., 5/16" Cut Length
RB-102	Reduction Bushing 1/4" to 1/8"
51474-Z	Spiral 1/8" Dia., 1/4" Cut Length
51454-Z	Spiral 1/8" Dia., 1/2" Cut Length
51408-Z	Spiral 3/16" Dia., 1/2" Cut Length
51502-Z	Spiral 1/4" Dia., 5/8" Cut Length
51402-Z	Spiral 1/4" Dia., 5/8" Cut Length

Steel Cutting Aluminum Titanium Nitride (AlTiN) Coated

51460	Spiral 1/8" Dia., 3/8" Cut Length
51464	Spiral 1/4" Dia., 5/8" Cut Length
51593	Spiral Multi Helix 1/4" Dia., 5/8" Cut

Aluminum Composite Material (ACM)

45792	90° V-Groove, 1/2" Dia.
45795	108° V-Groove, 1/2" Dia.

Signmaking

45783	18° Carving Liner, 1/4" Dia.
RC-1075	1/4" Shank CNC Tool Body
RCK-368*	30° V-Groove Solid Carbide Insert Knife
RC-1045*	45° Insert CNC V-Groove, 13/16" Dia.
RC-1108*	60° Insert CNC V-Groove, 1-1/32" Dia.
RC-1102*	90° Insert CNC V-Groove, 1-1/2" Dia.
45624	60° V-Groove, 1/4" Dia.

Wood/MDF

RC-2250*	Mini Insert Spoilboard 1-1/2" Dia.
46102	Spiral Flute Plunge 1/4" Dia., Up-Cut
46202	Spiral Flute Plunge 1/4" Dia., Down-Cut

Foam

46270	Spiral 1/8" Dia., 1-1/8" Cut Length
46272	Spiral 1/4" Dia., 2-1/4" Cut Length

Composites

46308	Honeycomb Spiral 3/8" Dia., 1-1/4" Cut
RB-122	Reduction Bushing 1/2" to 3/8"
46306	Honeycomb Hogger Spiral 1/4" Dia.
RB-116	Reduction Bushing 1/2" to 1/4"
46094-K	Composites Spiral 1/4" Dia., 1/4" Cut

* Items are from Amana Tool® Industrial Division

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 New
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

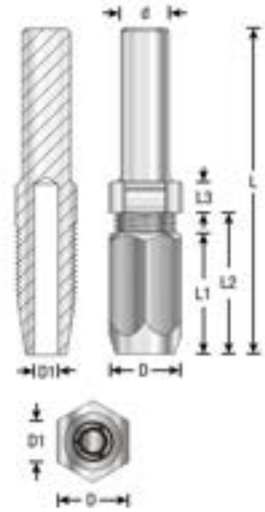
* Spring collet and wrench included.

Wrench WR-120 included for TE-100, TE-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



Bit sold separately.

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.

Bit sold separately.

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.

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

Bit sold separately.

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.

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 New

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

HO-112 HO-116 HO-124 HO-132 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)	EOC25/SYOZ25	RH	HO-137 New
60mm(2-3/8)	HSK63F	78mm(3-1/16)	EOC25/SYOZ25	LH/RH	HO-138 New
60mm(2-3/8)	HSK63F	115mm(4-17/32)	EOC25/SYOZ25	LH/RH	HO-139 New

HSK Shrink Fit Chuck Tool Holder

ØD	Adapter Standard	B	Collet Standard	Rotation	Tool No.
63mm(2-15/32)	HSK63F	76mm(3)	ER32	LH/RH	HO-162 New

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 New
42mm(1-5/8)	HSK25E	60mm(2-3/8)	ER25	HO-143 New

HSK Tool Holder

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

CNC CLEANUP KIT *New*

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 New
—	For HSK40 Tool Holders with 40mm Flange	UHO-40 New
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 82

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
34mm	100mm	BT 40	ER20	165.4mm	M16x2.0	HO-174
42mm	80mm	BT 40	ER25	145.4mm	M16x2.0	HO-178

HO-164

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

HO-206

ADJUSTABLE TORQUE WRENCHES New 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
ER20M	WR-120
ER16M	WR-122
ER11	WR-111 New
ER25M	WR-103 New
ER8	WR-115 New

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 *New*

Tool Body In Light Alloy With Wrench

Router bit and collet sold separately.

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.

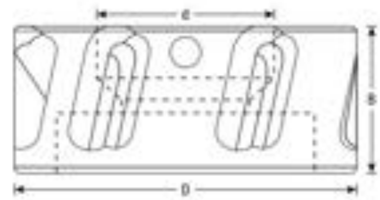
Special surface hardening treatment for longer perfomance and coating against wear and corrosion. Suitable for every type of collet chucks (ISO, BT, HSK...) using standard router bits (no adaptors needed). Balanced at G2,5.

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

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

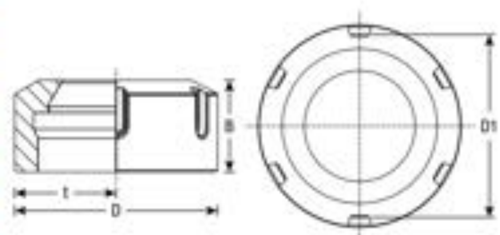
Warning: Maximum tool diameter: ø98 = 77mm and ø92 = 68mm

Warning: Maximum speed rotation up to 20,000 RPM



CNC COLLET NUTS FOR STANDARD ER *New*

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 Corp. 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
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
1/4	52mm	CO-400
3/8	52mm	CO-402
1/2	52mm	CO-404
5/8	52mm	CO-405
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
13-14mm	46mm	CO-220
15-16mm	46mm	CO-224
16-17mm	46mm	CO-226
17-18mm	46mm	CO-228
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

OD	OD1	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.

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

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.

12. Use the correct tool at the correct speed and feed rate. The right tool will do a better job, too.

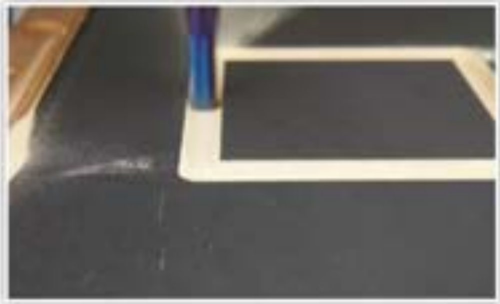
13. Do not force a tool to do a job for which it was not designed.

14. Never touch a cutting tool immediately after use, as it may be hot. Use caution when handling the collet and spindle nut. Keep an oven mitt or heavy glove handy.

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

CNC SAFETY INSTRUCTIONS & GUIDELINES

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



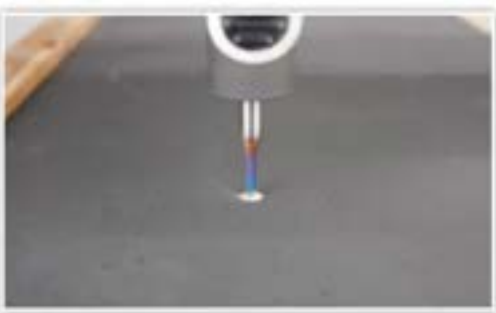
16. Plan your tool paths to make multiple passes rather than cut a large amount of material at one time. This will reduce heat and stress on the tool.

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.

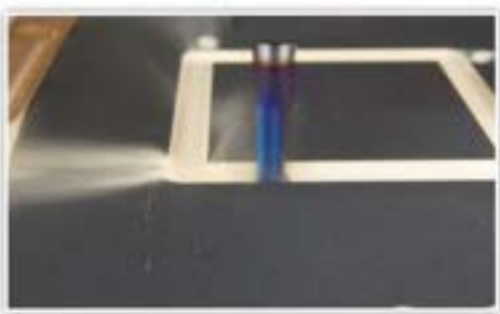
18. Make sure your stock is free of nails, screws, staples, grit or any other foreign objects, and free of any warping or twist.

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.

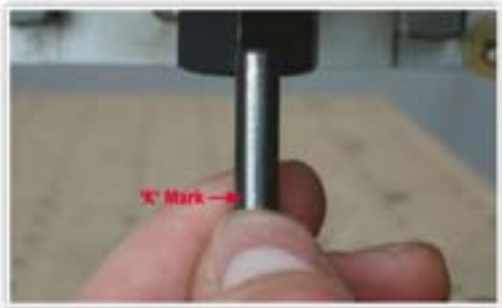
⚠ For up to date Safety Guidelines in English, French and Spanish visit **www.amanatool.com/safety**

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.

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.

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.



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.

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

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

HARDER CARBIDE FOR EXTENDED LIFE

Excellent For Cutting:

- Wood
- MDF
- Plywood

Single Flute

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

HARDER CARBIDE FOR EXTENDED LIFE

Excellent For Cutting:

- Wood
- MDF
- Plywood

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).

CNC feed and speed available online

HIGH PRODUCTION STRAIGHT PLUNGE

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

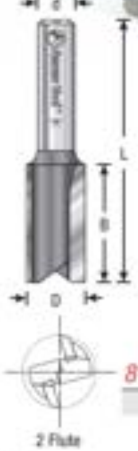
Use a two-flute bit where fine finish is paramount.

ØD	B	Ød	L	Tool No.	ØD	B	Ød	L	Tool No.
1/16	3/16	1/8	1-1/2	46480++	3/8	1	1/4	2	45218S
1/16	3/16	1/4	1-5/8	45190–†	3/8	1	1/4	2-1/4	45218
5/64	3/16	1/4	1-3/4	45191–†	3/8	1-1/4	1/4	2-1/2	45220
3/32	1/4	1/8	1-1/2	46482++	13/32	1	1/4	2-1/2	45193
3/32	1/4	1/4	1-3/4	45192–†	7/16	1	1/4	2-1/8	45222
1/8	7/16	1/8	1-1/2	45199++	15/32	3/4	1/4	2	45223
1/8	7/16	1/4	2	45200–†	31/64	3/4	1/4	2-1/4	45194
5/32	7/16	1/4	2	45201–	1/2	3/4	1/4	1-3/4	45224
3/16	7/16	1/4	2	45202–	1/2	3/4	1/4	2-1/4	45224-01
3/16	5/8	1/4	2-3/16	45239	1/2	1	1/4	2-1/8	45226
13/64	3/4	1/4	2	45217	1/2	1	1/4	2-13/16	45244
7/32	3/4	1/4	2	45206	1/2	1-3/16	1/4	2-5/8	RC-45226
15/64	3/4	1/4	2	45203	1/2	1-1/4	1/4	2-1/2	45245
1/4	1/2	1/4	2	45204	9/16	3/4	1/4	2-1/8	45227
1/4	3/4	1/4	2	45208	19/32	3/4	1/4	2-1/4	45238-01
1/4	3/4	1/4	3	DRB-420	5/8	3/4	1/4	2	45228
1/4	1	1/4	2-1/4	45210	5/8	1	1/4	2-1/4	45247
1/4	1	1/4	2-1/2	45210-01	5/8	1-1/4	1/4	2-7/8	45249
1/4	1	1/4	3	45210-3	11/16	3/4	1/4	2	45229
1/4	1	1/4	3-3/4	45210-3.75	23/32	3/4	1/4	2	45231
1/4	1	1/4	2-7/8	45211 *	3/4	3/4	1/4	2	45230
1/4	1	1/4	3-1/4	45205 *	3/4	3/4	1/4	2	RC-1024
9/32	1	1/4	2-1/4	45212	3/4	1	1/4	2-1/4	45251
9/32	1	1/4	3	45212-01	3/4	1	1/4	2-5/8	45251-01
5/16	3/4	1/4	2	45242	13/16	3/4	1/4	2	45232
5/16	1	1/4	2-1/4	45214	7/8	3/4	1/4	2	45234
5/16	1	1/4	2-3/4	45214-01	1	3/4	1/4	2	45236
3/8	3/4	1/4	2	45216					

† 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).

Set #AMS-103



2 Flute

AMAX HARDER CARBIDE FOR EXTENDED LIFE

Excellent For Cutting:

- Wood
- MDF
- Plywood

8-Pc Set Includes	Tool No. New
1/16), (1/8), (3/16), (1/4), (3/8), (1/2), (5/8), (3/4)	AMS-103

5-Packs Includes	Tool No. New
45210 (5 Pcs. each)	45210-5
45200 (5 Pcs. each)	45200-5

HIGH PRODUCTION STRAIGHT PLUNGE

Carbide Tipped • 2 Flute • 3/8" Shank

Two flute balances the bit, eliminating vibration that degrades the cut finish. Two cuts per revolution yield a smooth surface, but feed rate is slightly reduced.

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

AMAX HARDER CARBIDE FOR EXTENDED LIFE

HIGH PRODUCTION STRAIGHT PLUNGE

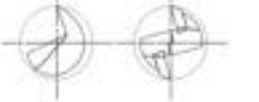
Solid Carbide • Single & 2 Flute

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.

ØD	B	Ød	L	Flute	Tool No.
1/16	3/16	1/4	1-1/2	1	43509 New
1/8	7/16	1/4	2	1	43700
3/16	7/16	1/4	2	1	43708
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

▲ **Warning:** Maximum RPM=28,000



Single Flute   2 Flute

Excellent For Cutting:

- Dense, Natural Woods
- Abrasive Wood Composites

AMAX
HARDER CARBIDE FOR EXTENDED LIFE

HIGH PRODUCTION STRAIGHT PLUNGE

Carbide Tipped • 2 Flute • 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.
1/4	3/4	1/2	2-1/2	2	45408 –
1/4	3/4	1/2	3	3	45408-3– New
1/4	1	1/2	2-3/4	2	45486
7mm	3/4	1/2	2-3/4	2	45254 New
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
3/8	3/4	1/2	2-1/2	2	45413
3/8	1	1/2	2-3/4	2	45414
3/8	1-1/4	1/2	3	2	45415 *
13/32	3/4	1/2	2-1/2	2	45401
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
1/2	1-1/4	1/2	2-7/8	2	45420
1/2	1-1/2	1/2	3-1/8	2	45422
1/2	1-1/2	1/2	4-1/4	2	45424
1/2	2	1/2	3-1/2	2	454265
1/2	2	1/2	4-1/4	2	45426
1/2	2-1/2	1/2	4-1/2	2	45427 *
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
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
15/16	1-1/4	1/2	3	2	45182
1	1-1/4	1/2	2-7/8	2	45448
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 ▲
1-1/2	1-1/4	1/2	2-7/8	2	45452 ▲
1-3/4	1-1/4	1/2	2-7/8	2	45453 ▲
2	1-1/4	1/2	2-7/8	2	45480 ▲
8-Pc 1/2 Shank Set Includes 45408(1/4), 45414(3/8), 45418(1/2), 45422(1/2), 45432(5/8), 45440(3/4), 45446(7/8), 45448(1)					AMS-104 New

5-Packs Includes	Tool No. New
45418 (5 Pcs. each)	45418-5
45422 (5 Pcs. each)	45422-5
45426 (5 Pcs. each)	45426-5

* 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 ▲ =22,000; ▲ =24,000; ▲ =27,500

Left Hand Rotation
Straight Plunge, see page 95

CNC 3 FLUTE HIGH PRODUCTION STRAIGHT PLUNGE

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

1/4" & 6mm cutting diameter CNC Nesting router bit with solid carbide cutting edges brazed into steel 1/2" & 12mm shank. More sizes available.


Top View


45408-3

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 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.
1/4	3/4	1/2	3	3	45408-3
6mm	21mm	12mm	77mm	3	45185-M New

*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

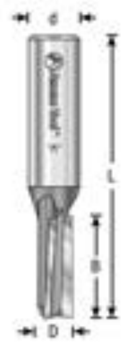
Top View

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

3 FLUTE HIGH PRODUCTION SHEAR

Carbide Tipped • 3° Up-Shear

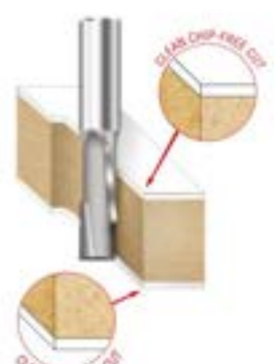


Excellent for working composition board and melamine, this bit cuts with an upward shearing action to prevent chipping & tearing of the bottom of veneer or coated material. Designed primarily for production applications where the router is below the work.

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



Top View

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.

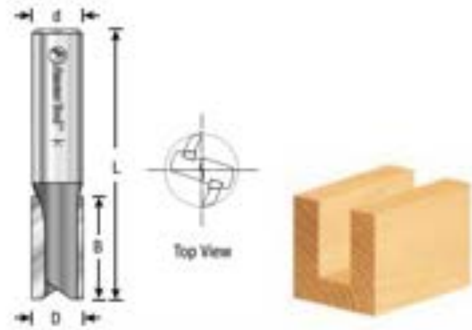
ØD	B	Ød	L	Tool No.
1/2	1-1/2	1/2	3-1/8	51320
1/2	2	1/2	4-1/8	51324

LEFT HAND PLUNGE

Carbide Tipped • 2 Flute • 1/2" Shank

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

ØD	B	Ød	L	Tool No.
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

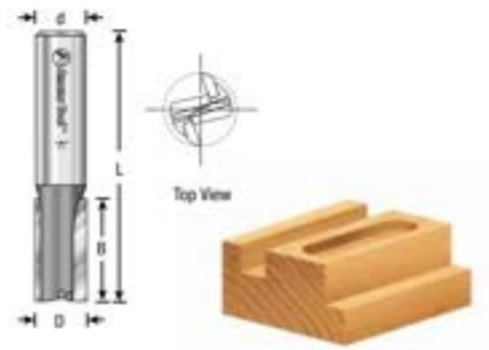


SUPER PLUNGE™ WITH CENTER CARBIDE TIP

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

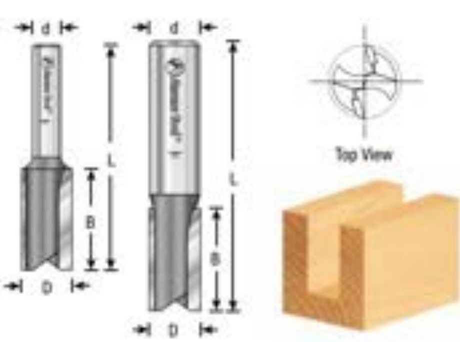
Carbide Tipped • 2 Flute

ØD	Actual Plywood Thickness	B	Ød	L	Tool No.
6mm	—	25mm	6mm	57mm	45213
7mm	—	3/4	1/2	2-3/4	45254 New
8mm	—	25mm	8mm	63mm	45215
10mm	—	19mm	1/4	2-1/8	45219
10mm	—	19mm	1/2	2-1/2	45417
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.



Top View

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.

Single Flute

AMA-30 RCK-30
MDF-30†

2 Flute

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
5/8	30mm	1/2	3-3/8	2	AMA-30 †	67117	RC-1080
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.

Standard plunge technique or use ramping method as shown to the right.

For best results with 2-flute tools, a ramping technique such as this is recommended for CNC applications.

INSERT CARBIDE STRAIGHT

Single & 2 Flute

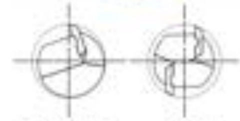
These router bits yield cuts which are cleaner than typical insert bits, offering high speed cuts with super clean finish. They also are channel set, double edge knives. Each blade has a double-sided cutting edge for economy. The insert carbide is much harder than brazed carbide. There is minimum amount 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	1	RCK-34-B	67016	RC-3110
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-3100 use #67104; #RC-3110 and #RC-3200 use #67105.

RCK-34-B



Single Flute 2 Flute

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

Top View

CNC INSERT CARBIDE UP & DOWN SHEAR

Insert straight router bit complete with two up/down-shear flutes and center tip. Shear flutes squeeze the material into the middle to give an extra fine finish on both surfaces of laminated and veneered board. Replaceable inserts ensure a constant cutting diameter and finish quality. Center tip for improved boring. For use on routers with CNC control.

ØD	B	Repl. Knife	Max RPM	Ød	L	Tool No.
20mm(25/32)	50mm(2)	RCK-28	18,000	3/4	130mm(5-1/8)	RC-2304

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

Top View

RC-4204

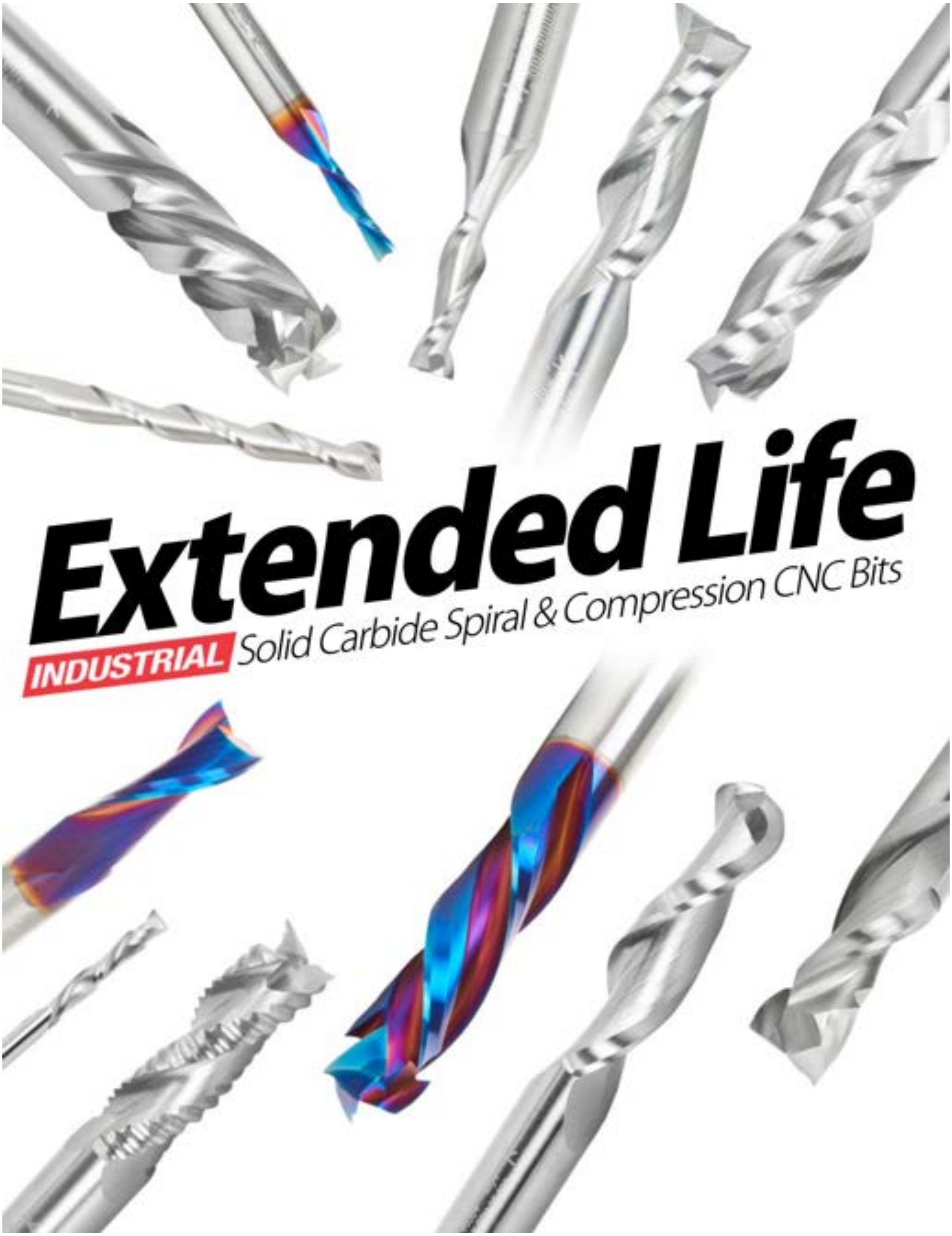
CNC INSERT CARBIDE ROUGH RABBETING & SIZING

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

SPIRAL FLUTE PLUNGE

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

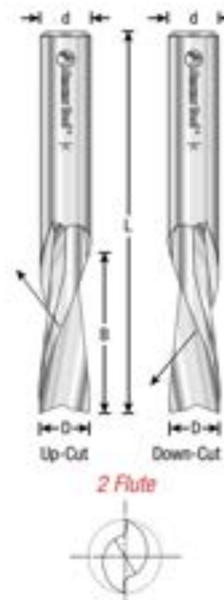
Spiral-flute bits combine a shearing action in cutting with an augering action in chip clearance. The shearing action yields an especially clean accurate cut while the augering action clears chips from the cut. The 'Up-Cut' shears from the bottom up pulling chips from the bottom up thus allowing deeper penetration with less stress on the tool. An excellent choice for mortising.

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 wood, laminate, MDF and plywood.
Three-flute design for very high quality finish.

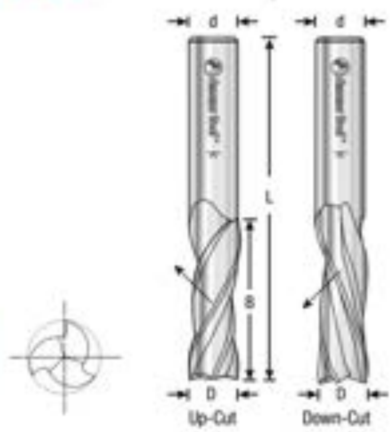
ØD	B	Ød	L	Flute	'Up-Cut' Tool No.	'Down-Cut' Tool No.
1/64	3/32	1/8	2	2	46143 †*	46402 †*
1/32	1/8	1/8	2	2	46145 †*	46229 †*
3/64	1/8	1/8	2	2	46146 †*	46231 †*
1/16	3/16	1/8	2	2	46147 †*	46237 †*
1/16	1/2	1/4	2	2	46009 *	46403 *
5/64	1/8	1/8	2	2	46003 †*	46406 †*
3/32	1/4	1/8	2	2	46004 †*	46239 *
7/64	1/4	1/8	2	2	46005 †*	46235 *
1/8	1/2	1/8	2	2	46127 †	46227 †
1/8	1/2	1/4	2	2	46100	46200
1/8	1/2	1/4	2-1/4	2	46333	46433
1/8	13/16	1/4	2-1/2	2	46125	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
10mm	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	46337	46437
1/4	5/8	1/4	2-1/2	2	46338	46438
1/4	3/4	1/4	2-1/2	2	46102	46202
H1/4	3/4	1/4	2-1/4	2	46102-S	46202-S
1/4	1	1/4	2-1/2	2	46315	46415
1/4	1-1/8	1/4	3	2	46316	46416
1/4	1-1/4	1/4	3	2	46321	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 ‡	—
8mm	3/4	1/2	3	2	46064 ‡	—
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 ‡	—
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 ‡	—
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 ‡	—
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

5-Packs Includes	Tool No. New
46099 (5 Pcs. each)	46009-5
46100 (5 Pcs. each)	46100-5
46403 (5 Pcs. each)	46403-5
46415 (5 Pcs. each)	46415-5
46202 (5 Pcs. each)	46202-5

5-Packs Includes	Tool No. New
46315 (5 Pcs. each)	46315-5
46102 (5 Pcs. each)	46102-5
46125 (5 Pcs. each)	46125-5
46200 (5 Pcs. each)	46200-5



2 Flute



3 Flute

▲ **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.

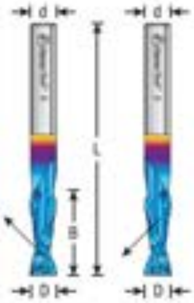
***Warning:** Due to the extremely small diameters involved, bits are not guaranteed against breakage. Please exercise caution to the accurate calculations of all feed and speed rates.

Disclaimer: It is important to understand that these values are only recommendations.

‡ New

Sets Available
See page 110

CNC feed and speed available online



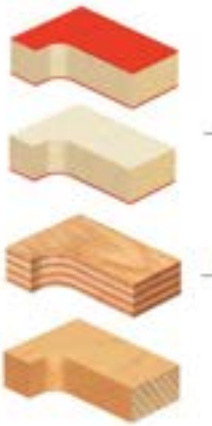
SPEKTRA
EXTREME TOOL LIFE COATING

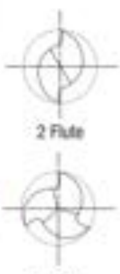
SPIRAL FLUTE PLUNGE New

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

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

Excellent For Cutting:
- MDF/HDF
- Laminate
- Plywood
- Softwood/Hardwood
- Melamine
- Veneered Plywood





2 Flute

3 Flute

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
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	—	46448-K*
1/16	1/2	1/4	2	2	46009-K*	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
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
1/8	13/16	1/4	2-1/2	2	46125-K	46225-K
3/16	3/4	1/4	2	2	46101-K	46201-K
3/16	1	1/4	3	2	48330-K	48340-K
5mm	3/4	1/4	2-1/2	2	—	46211-K
5mm	1	1/4	2-1/2	2	—	46211-L-K
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	46202-K
1/4	1	1/4	2-1/2	2	46315-K	46415-K
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
1/4	1-1/2	1/4	3-1/2	2	—	46502-K
3/8	1	3/8	2-1/2	2	46103-K	46203-K
3/8	1-1/4	3/8	3	2	46320-K	46420-K
3/8	2	3/8	4	2	46529-K	46449-K
12mm	32mm	12mm	75mm	2	—	48228-K
1/2	1-1/4	1/2	3	2	46106-K	46206-K
0.023"	1/8	1/8	2	3	51629-K*	—
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
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 New
3-Pc Set: 46125-K, 46102-K & 46320-K						AMS-236-K
3-Pc Set: 46200-K, 46202-K & 46420-K						AMS-238-K

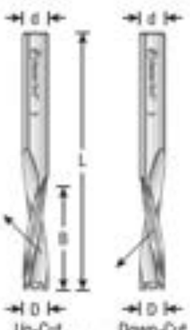
† Router collet reducer RB-102 (1/4 to 1/8) available for 1/8 shank bits.

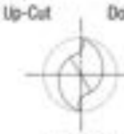
* Due to small diameter, bit is not guaranteed against breakage.

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

2-Packs Includes	Tool No.
46200-K (2 Pcs.)	46200-K-2

5-Packs Includes	Tool No. New	Includes	Tool No. New
46099-K (5 Pcs.)	46009-K-5	46213-K (5 Pcs.)	46213-K-5
46102-K (5 Pcs.)	46102-K-5	46225-K (5 Pcs.)	46225-K-5
46125-K (5 Pcs.)	46125-K-5	46315-K (5 Pcs.)	46315-K-5
46200-K (5 Pcs.)	46200-K-5	46403-K (5 Pcs.)	46403-K-5
46202-K (5 Pcs.)	46202-K-5	46415-K (5 Pcs.)	46415-K-5
46206-K (5 Pcs.)	46206-K-5	46203-K (5 Pcs.)	46203-K-5





Top View

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	462595	—
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.

CNC feed and speed available online

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:

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

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 New
3/8	1-1/8	.200"	3/8	3	1	46038 New
1/2	1-1/8	7/16	1/2	3	1	46158 New
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 **
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
1/4	7/8	7mm	1/4	2-1/2	2	46170-LH *
1/4	1	.2756"	1/4	2-1/2	2	46037 New
3/8	7/8	.188"	3/8	3	2	46171
3/8	1-1/8	9mm	3/8	3	2	46173
3/8	1-1/4	9mm	3/8	3	2	46172
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
1/2	1-1/4	11mm	1/2	3	2	46188-LH *
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 *
1/2	2-1/8	.511"	1/2	5	2	46035 New
3/8	7/8	.200"	3/8	3	3	46011
3/8	1-1/8	9mm	3/8	3	3	46010 ▲=
1/2	7/8	.200"	1/2	3	3	46013
1/2	1-1/4	9mm	1/2	3	3	46012 ▲=
1/2	1-5/8	9mm	1/2	3-1/2	3	46014 ▲=
		4-Pc Set includes 46170, 46172, 46180 & 46188				AMS-182

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

*Indicates left hand rotation. **Optional 1/4" dia. sleeve/adapter #47632, see page 211.

CNC feed and speed available online

Single Flute

2 Flute

3 Flute

PCD Tipped Compression Bits
See page 44

5-Packs Includes	Tool No. New
46170 (5 Pcs. each)	46170-5
46172 (5 Pcs. each)	46172-5
46180 (5 Pcs. each)	46180-5
46188 (5 Pcs. each)	46188-5

SPEKTRA
EXTREME TOOL LIFE COATING

SPIRAL FLUTE PLUNGE FOR SOLID WOOD *New*

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

CNC feed and speed available online

Top View

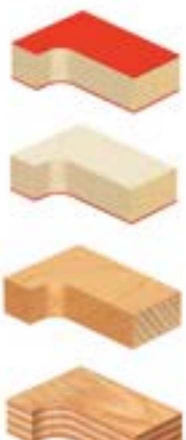
SPEKTRA™
EXTREME TOOL LIFE COATING

CNC COMPRESSION SPIRAL FLUTE

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

Excellent For Cutting:
- MDF/HDF
- CFRP
- Laminate
- Melamine Particleboard
- Oriented Strand Board (OSB)
- Softwood/Hardwood
- Veneered Plywood
- Double-Sided Melamine



ØD	B	B1	Ød	L	Flute	Tool No.		ØD	B	B1	Ød	L	Flute	Tool No.	
3mm	20mm	6mm	6mm	64mm	2	48302-K	New	12mm	35mm	12mm	12mm	76mm	2	46185-K	New
6mm	20mm	7mm	6mm	64mm	2	48304-K	New	12mm	42mm	12mm	12mm	81mm	2	48318-K	New
3mm	21mm	6mm	3mm	64mm	2	46180-K-M	New	1/2	1	9mm	1/2	3	2	46182-K	
1/8	13/16	7/32	1/8	2-1/2	2	46180-K	New	1/2	1-1/4	11mm	1/2	3	2	46188-K	
1/8	13/16	7/32	1/4	2-1/2	2	46176-K		1/2	1-3/8	12mm	1/2	3-1/2	2	46193-K	
3/16	1	7/32	3/16	2-1/2	2	46181-K		1/2	1-5/8	13mm	1/2	3-1/2	2	46190-K	
6mm	25mm	7mm	6mm	64mm	2	46175-K		1/2	1-3/4	.511"	1/2	3-1/2	2	46195-K	
8mm	25mm	11mm	8mm	64mm	2	48306-K	New	1/2	2	13mm	1/2	4	2	46199-K	
8mm	32mm	11mm	8mm	71mm	2	48308-K	New	1/2	2-1/8	.511"	1/2	5	2	46035-K	
1/4	7/8	7mm	1/4	2-1/2	2	46170-K	New	1/8	13/16	7/32	1/8	2-1/2	3	46015-K	New
1/4	1-1/4	.550"	1/4	2-1/2	2	46177-K		6mm	22mm	5mm	6mm	75mm	3	48320-K	
5/16	7/8	7mm	5/16	2-1/2	2	46039-K		6mm	28mm	9mm	6mm	75mm	3	48322-K	New
3/8	7/8	.200"	3/8	3	2	46171-K		1/4	7/8	7mm	1/4	2-1/2	3	46017-K	New
3/8	1	9mm	1/2	3	2	46174-K		8mm	25mm	11mm	8mm	64mm	3	48323-K-M	
3/8	1-1/8	.4060"	3/8	3	2	46173-K		8mm	32mm	11mm	8mm	71mm	3	48325-K-M	New
3/8	1-1/4	9mm	3/8	3	2	46172-K	New	3/8	7/8	.200"	3/8	3	3	46011-K	New
3/8	1-5/8	.550"	3/8	3-1/2	2	46179-K		3/8	1-1/8	9mm	3/8	3	3	46010-K	
10mm	25mm	15mm	10mm	64mm	2	48310-K		3/8	1-1/4	.3543	3/8	3	3	46031-K	New
10mm	32mm	12mm	10mm	76mm	2	48312-K	New	12mm	32mm	9mm	12mm	75mm	3	48324-K	
10mm	35mm	15.4mm	10mm	76mm	2	48314-K	New	12mm	41mm	9mm	12mm	88mm	3	48326-K	New
12mm	32mm	12mm	12mm	71mm	2	48316-K	New	1/2	1-1/4	9mm	1/2	3	3	46012-K	New
12mm	32mm	12mm	12mm	71mm	2	48316-K	New	1/2	1-5/8	9mm	1/2	3-1/2	3	46014-K	

Sets & Packs

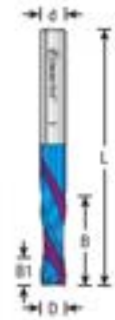
3-Pc Pack includes 46170-K, 46172-K & 46180-K	AMS-187-K
3-Pc Pack includes 46172-K, 46188-K & 46170-K	AMS-183-K
4-Pc Pack includes 46172-K, 46188-K, 46170-K & 46180-K	AMS-181-K
5-Pc Set includes 46172-K, 46188-K, 46190-K, 46010-K & 46170-K	AMS-182-K

2-Packs

Includes	Tool No.
46170-K (2 Pcs.)	46170-K-2

5-Packs

Includes	Tool No.	Includes	Tool No.
46010-K (5 Pcs.)	46010-K-5	46172-K (5 Pcs.)	46172-K-5
46170-K (5 Pcs.)	46170-K-5	46176-K (5 Pcs.)	46176-K-5
46171-K (5 Pcs.)	46171-K-5	46180-K (5 Pcs.)	46180-K-5
		46188-K (5 Pcs.)	46188-K-5



SPEKTRA™
EXTREME TOOL LIFE COATING

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.

2 Flute

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	.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

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 mortising, grooving and dado.

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
3/8	1-1/4	3/16	3/8	3	2	46021
3/8	7/8	1/8	3/8	3	2	46367 New
3/8	1-1/16	.202mm	3/8	3	2	46395 New
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 ▲
1/2	1	1/4	1/2	3	3	46022 ▲
1/2	1-3/8	1/4	1/2	3-1/2	3	46024 ▲
1/2	1-3/8	.200	1/2	3-1/2	4	46028 ▲

5-Packs Includes	Tool No. New
46350 (5 Pcs. each)	46350-5
46367 (5 Pcs. each)	46367-5

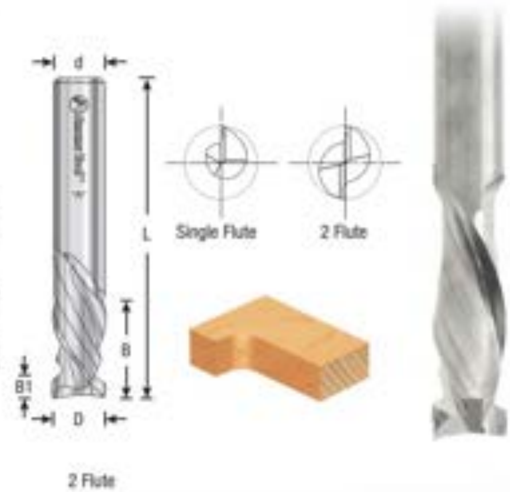
CNC feed and speed available online

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
1/2	1-3/8	5/16	1/2	3-1/2	2	46344



CNC feed and speed available online

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.

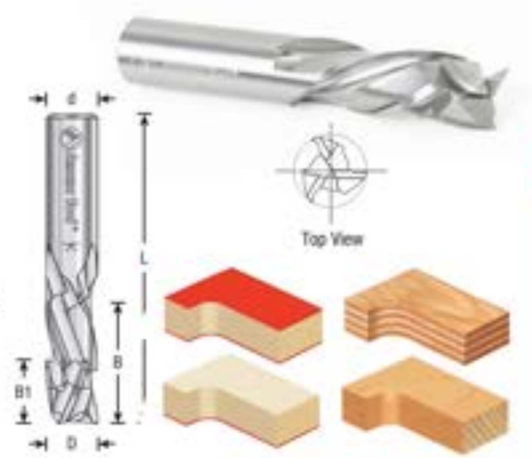
Excellent for Cutting:

- MDF
- Melamine
- Laminate
- Composites
- Particle Board
- Oriented Strand Board (OSB), which is an engineered wood particleboard

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 feed and speed available online

2 Flute

3 Flute

SPEKTRA™ EXTREME TOOL LIFE COATING

CNC MORTISE COMPRESSION SPIRAL *New*

Solid Carbide • 2 & 3 Flute • For Mortising Work

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
- Double-Sided Melamine
- Plywood
- Softwood/Hardwood
- Laminate

ØD	B	B1	Ød	L	Flute	Tool No.
5mm	25mm	4.763mm	5mm	64mm	2	48351-k *New*
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
8mm	25mm	5mm	8mm	64mm	2	48352-K
3/8	7/8	1/8	3/8	3	2	46367-K
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
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-Packs

Includes	Tool No.
46021-K (5 Pcs. each)	46021-K-5

Includes	Tool No. *New*
46350-K (5 Pcs. each)	46350-K-5
46367-K (5 Pcs. each)	46367-K-5

CNC feed and speed available online

Top View

SPEKTRA™ EXTREME TOOL LIFE COATING

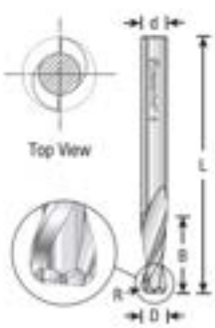
CNC MORTISE COMPRESSION SPIRAL *New* FOR BALTIC BIRCH PLYWOOD

Solid Carbide • 2 Flute • For Mortising Work

These tools have a much shorter up-cut section than the standard compression tools.

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

Top View



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
1/2	1/8	1-1/4	1/2	3	46462 *New*

CNC feed and speed available online

SPEKTRA™
EXTREME TOOL LIFE COATING

CNC COMPRESSION SPIRAL 'O' FLUTE

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 plywood veneered 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.

SPEKTRA™
EXTREME TOOL LIFE COATING

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	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	43742-K	43752-K

SPEKTRA™
EXTREME TOOL LIFE COATING

18-PC. SPIRAL MASTER

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

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

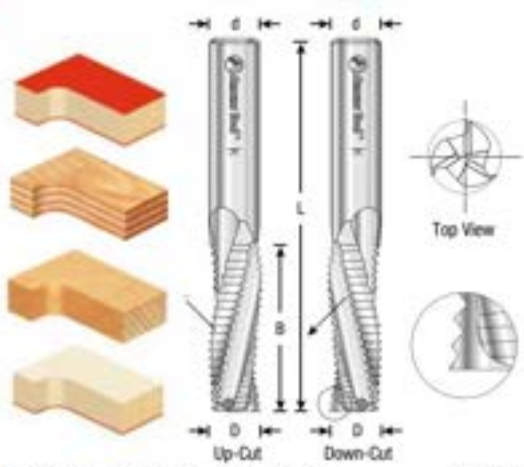
Includes	Set No.
46170-K, 46171-K, 46174-K, 46010-K, 46172-K, 46188-K, 46012-K, 46190-K, 51441-K, 51410-K, RB-102, 51411-K, 51446-K, 51417-K, 51404-K, 51405-K, 46100-K, 46102-K, 46315-K	AMS-190-K

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 New	—
3/8	1	3/8	2-1/2	59420* New	—
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.

CNC feed and speed available online

Up-Cut Down-Cut

Top View

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

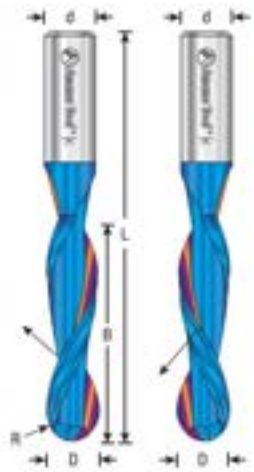
ØD	R	B	Ød	L	'Up-Cut' Tool No.	'Down-Cut' Tool No.
1/16	1/32	1/4	1/8	2	46373	—
1/16	1/32	1/4	1/4	2-1/2	46510 New	—
1/8	1/16	1/2	1/8	2	46375	—
1/8	1/16	1/2	1/4	2	46369	—
1/8	1/16	1	1/4	2-1/2	46512 New	—
1/4	1/8	3/8	1/4	2-1/2	46374	46475 New
1/4	1/8	1	1/4	2-1/2	46376	46476
3/8	3/16	1-1/4	3/8	3	46378	46478 New
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★ ▲	—
3/4	3/8	2-1/2	3/4	5	46387★ ▲	—
3-Pc Set includes 46376 (1/4 Dia.), 46288 (1/8 Dia.) & 46389 (3/16 Dia.)						AMS-149

▲ **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

Up-Cut Down-Cut



Top View

SPEKTRA
EXTREME TOOL LIFE COATING

SPIRAL BALL NOSE *New*

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	1/4	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 New	—
1/8	1/16	1	1/8	3	46509-K New	—
3/16	3/32	1	3/16	4	46508-K New	—
6mm	3mm	25mm	6mm	63mm	49403-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 New	—
3/8	3/16	1-1/4	3/8	3	46378-K	—
1/2	1/4	1-1/4	1/2	3	46380-K	—
1/2	1/4	2-1/8	1/2	4	46384-K	—

NOTE: #46449-RS Reduced shank 1/4 to an 1/8 inch

CNC feed and speed available online

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

CNC feed and speed available online

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.
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.
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.
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.

5-PC. INLAY SPIRAL PLUNGE DOWN-CUT *New*

1/8" SHANK

1/8" Shank Solid Carbide Spiral Router Bit Set

Spiral-flute bits combine a shearing action in cutting with an augering action in chip clearance. The shearing action yields an especially clean accurate cut while the augering action clears chips from the cut.

The 'Down-Cut' cuts from the surface down leaving a smooth edge at the surface.

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, laminate and wood. Primarily used on CNC machines and other automatic routers. Can be used with handheld and table-mounted portable routers.

Excellent For Cutting:

- MDF/HDF
- Veneered Plywood
- Wood
- Laminate

Includes	Set No.
46229, 46231, 46237, 46239 & 46227	AMS-126

8-PC. CNC SPIRAL DOWN-CUT *New*

1/8" SHANK

1/8" Shank Solid Carbide Spiral Router Bit Set

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 Cutting:

- MDF/HDF
- Veneered Plywood
- Laminate
- Composite

Includes	Set No.
46402, 46229, 46231, 46237, 46406, 46239, 46235 & 46227	AMS-212

6-PC. CNC ELECTRIC GUITAR MAKING SET *New*

1/4" SHANK

1/4" Shank Solid Carbide & Carbide Tipped Router Bit Set

Designed for creating electric guitars.

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

3-PC CNC SPIRAL BALL NOSE

1/4" SHANK

1/4" Shank 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.

For material cut list visit www.amanatool.com.

Includes	Set No.
46288 (1/8 Dia.), 46389 (3/16 Dia.) & 46376 (1/4 Dia.)	AMS-149

8-PC. SPIRAL BALL NOSE

1/8", 1/4", 3/8" & 1/2" Shank
Solid Carbide Router Bit Collection

Excellent For Cutting:

- Aluminum/Non-Ferrous
- MDF/HDF
- Sign Foam
- Soft/Hard Plastic
- Softwood/Hardwood

Includes	Set No.
46373, 46369, 46376, 46378, 46380, 46424, 46426 & 46446	AMS-180

5-PC. SPIRAL UP-CUT

1/4", 3/8" & 1/2" Shank
Solid Carbide Router Bit Collection

Excellent For Cutting:

- MDF/HDF
- Veneered Plywood
- Laminate
- Composite

Includes	Set No.
46100, 46101, 46102, 46320, 46106 & RB-122	AMS-120

8-PC. SPIRAL UP-CUT

1/4", 3/8" & 1/2" Shank
Solid Carbide Router Bit Collection

Excellent For Cutting:

- MDF/HDF
- Veneered Plywood
- Laminate
- Composite

Includes	Set No.
46100, 46101, 46102, 46315, 46316, 46320, 46104, 46106 & RB-122	AMS-121

5-PC. SPIRAL DOWN-CUT

1/4", 3/8" & 1/2" Shank
Solid Carbide Router Bit Collection

Excellent For Cutting:

- MDF/HDF
- Veneered Plywood
- Laminate
- Composite

Includes	Set No.
46200, 46201, 46202, 46420, 46206 & RB-122	AMS-122

8-PC. SPIRAL DOWN-CUT

1/4", 3/8" & 1/2" Shank
Solid Carbide Router Bit Collection

Excellent For Cutting:

- MDF/HDF
- Veneered Plywood
- Laminate
- Composite

Includes	Set No.
46200, 46201, 46202, 46415, 46416, 46420, 46203, 46206 & RB-122	AMS-123

8-PC. SPIRAL UP & DOWN-CUT

1/4", 3/8" & 1/2" Shank
Solid Carbide Router Bit Collection

Excellent For Cutting:

- MDF/HDF
- Veneered Plywood
- Laminate
- Composite

Includes	Set No.
46100, 46101, 46102, 46106, 46200, 46202, 46420, 46206 & RB-122	AMS-125

CNC feed and speed available online

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
- Fiberboard
- HDF/LDF
- Plywood/Chipboard*
- Balsa Core*
- Epoxy (Epoxy Resins)*
- Hardwood/Softwood*
- Plastic/Acrylic*
- High Density Urethane (HDU Board)*
- Ultra-High-Molecular-Weight Polyethylene (UHMWPE)*

* 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.

Router Sled ✓

OD	B	Od	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 * New
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.

HMA-12 HCK-70

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.

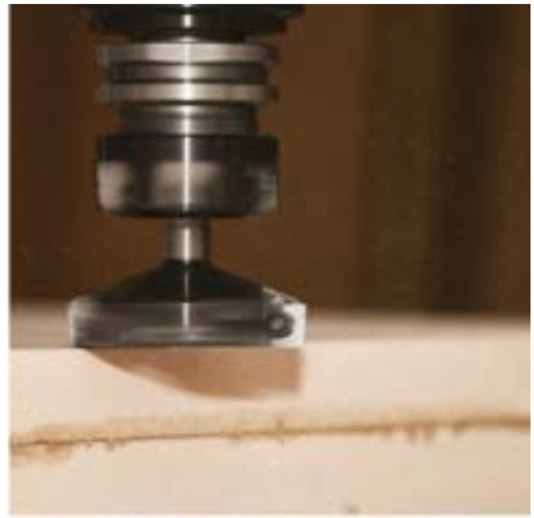
Torx® key: bottom: #5015; sides: (2) #5005.

† 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



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.

Torx® keys included.

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. Exclusive carbide grade for highest quality of cut. Mini insert spoilboard surfacing & rabbeting with scorer utilizes 4-sided carbide inserts, great for cutting tight corners. Features unique 2+2 insert 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. 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
- Fiberboard
- HDF/LDF
- Plywood/Chipboard*
- Balsa Core*
- Epoxy (Epoxy Resins)*
- Hardwood/Softwood*
- Plastic/Acrylic*
- HDU Board*
- UHMWPE*

* 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.

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 New
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 General Purpose knives #AMA-12 & #RCK-70.

* Optional Solid Wood DLC† coated knives: #AMA-12-DLC & #RCK-70-DLC.

† Diamond-Like Carbon (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 repl. 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.

CNC feed and speed available online

2+2 DESIGN

- 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.
- Mini design for tighter corners
- Utilizes 4-sided carbide inserts
- Exclusive carbide grade for highest quality of cut
- Maximum cutting efficiency
- Faster material removal process

Torx® key included.

THERMOGRIP® CNC HEAT SHRINK TOOL HOLDERS New

Heavy Duty Spoilboard Plunging, Surfacing, Planing, Flycutter & Slab Leveler • Insert Carbide

ØD	B	Ød	L	Repl. MDF Knives	B1	D1	D2	Flute	Max RPM	Tool No.
2-1/2"	15/32"	1/2"	2-1/2"	HMA-12, HCK 70	—	—	—	2+2	19,000	RC-2301
2-1/2"	53/64"	1/2"	2-19/32"	RCK-459	1/2"	2"	5/64"	3	18,000	RC-2256-TG
3/27/32"	1-7/32"	3/4"	3-25/64"	RCK-459	1/4"	3-11/32"	5/64"	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*

Replacement Parts for Item#	Optional General Purpose Knives	Optional Solid Wood (DLC Coating) Knives	Screw	Key
RC-2301	AMA12, RCK-70	AMA-12-DLC,RCK-70-DLC	bottom: (2) #67155 sides: (2) #67110	bottom: #5015 sides: (2) #5005
RC-2256-TG	RCK-457	RCK-457-DLC	67110 (3)	5005
RC-2259-TG	RCK-457	RCK-457-DLC	67110 (5)	5005
RC-1028-TG	RCK-117	—	67110	5005

RC-2259-TG

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. Featuring 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.

- **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
- The 3 wing and 5 wing design results in a more balanced tool while running

Designed for planing & chamfering the following materials:

- MDF
- Fiberboard
- HDF/LDF
- Plywood/Chipboard*
- Balsa Core*
- Epoxy (Epoxy Resins)*
- Hardwood/Softwood*
- Plastic/Acrylic*
- HDU Board*
- UHMWPE*

* For optimal results and maximum insert life, replace inserts with optional general purpose knives (sold separately).

RC-2261
"BG" ‡

ØD	D1	D2	B	B1	Ød	L	Repl. 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	New
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	New
2-1/2	2	5/64	53/64	1/4	1/2	2-19/32	RCK-459 **	3	RC-2261 ‡	New
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*	New
2-3/4	2-1/4	5/64	53/64	1/4	1/2	2-19/32	RCK-459 **	3	RC-2263	New
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*★	New

* 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.

CNC feed and speed available online

Perfect for:

- Resurfacing spoilboards using CNC
- Surfacing and 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

Tool holder sold separately.

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:

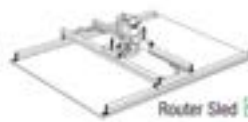
- MDF
- Fiberboard
- HDF/LDF
- Plywood/Chipboard*
- Balsa Core*
- Epoxy (Epoxy Resins)*
- Hardwood/Softwood*
- Plastic/Acrylic*
- HDU Board*
- UHMWPE*

* For optimal results and maximum insert life, replace inserts with optional general purpose knives (sold separately).

RC-2248

RC-2242

RC-2258



Router Sled

RC-2242: Rotate inserts for straight edge cut.

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 + New
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	1-49/64	—	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 ♦* New
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 DLC[1] 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

SPOILBOARD SURFACING, RABBETING, FLYCUTTER, SLAB LEVELER, SURFACE PLANER & FLATTENING *New*

Carbide Tipped • 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.

Perfect for:

- Resurfacing spoilboards using CNC
- 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
- Fiberboard
- HDF/LDF
- Chipboard
- Balsa Core
- Hardwood/Softwood
- Plastic

Tool holder sold separately.

ØD	B	Ød	L	Flute	Max RPM	Tool No.
1-1/4	9/16	1/4	2	2	28,000	45528
1-1/4	9/16	1/2	2-1/4	2	28,000	45529
1	1/4	1/4	1-3/4	3	28,000	45522
28.5mm	12.5mm	6mm	46mm	3	28,000	45523
1-1/8	1/2	1/4	1-13/16	3	28,000	45525
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

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 New
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 New
1-1/4	3/4	1/2	2-1/4	45505

* Without large gullet.

NOTE:
A proper mortising bit, as shown, should have a large gullet between the two flutes, as indicated with an arrow. This allows greater chip clearance and removal.

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 unparallel. 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'll appreciate these bearing-guided bits; there's no need to calculate offset – ever. Instead, the mortise is sized exactly to the template. And, 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 Bearing	Replacement Collar	Tool No.
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	47756	47740	45590

MORTISING

Carbide Tipped • 2 Flute • Down-Shear Design

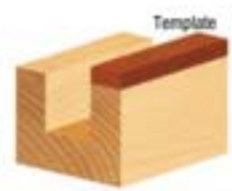
Intended for hinge mortising, this bit is an excellent choice for cutting laps and tenons as well. The sides and bottom of the cut are exceptionally smooth. The down-shear design reduces chipping along the top edge of the cut, especially in laminates, veneered plywood and MDF. The large gullet between 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

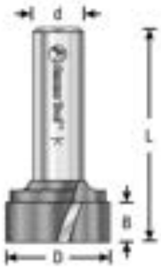
MORTISING FOR BOTTOM CLEANING WITH UPPER BALL BEARING

Carbide Tipped • 2 Flute • Up-Shear Design

Shank-mounted ball-bearing for pattern and template routing.



ØD	B	Ød	L	Replacement Bearing	Replacement Collar	Tool No.
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

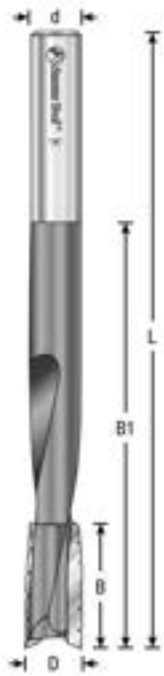


MORTISING FOR BOTTOM CLEANING

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 dadoes 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 New
3/4	7/16	1/2	2-1/2	45562
1	7/16	1/4	2-1/2	45568 New
1	7/16	1/2	2-1/2	45564
1-1/4	1/2	1/4	2-1/8	45571 New
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!**

Cut Deep Mortises

HINGE AND LOCK FACE MORTISING/DADO SCREW TYPE CUTTER

Replaces Her-Saf® Style • Carbide Tipped • Single & 2 Flute

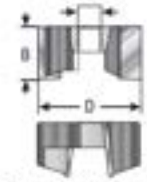
Mortise doors to fit hinges, locks, lock face plates and for general stock removal.
All cutters fit threaded arbors (see threaded arbor table below).

Arbor sold separately.

Down Shear

OD	B	Thread	L	Flute	Tool No.
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	12mm	1/4" - 28	37mm	1	RC-55248
3/4 - 0.015	9/16	1/4" - 28	—	2	55285
3/4	9/16	1/4" - 28	—	2	55250 New
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.



Fits Porter-Cable® & other standard model mortising jigs. Also used in door machines.

Down Shear Style

Insert Carbide Style

Straight Style - No Shear

OD	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
5/16 + .015	1/2	1/4" - 28	1.360	56275
3/8	9/16	1/4" - 28	1.360	56274
3/8 + .015	9/16	1/4" - 28	1.360	56276

Straight Style

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

Dovetail Style

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

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.

45463-3TS
3 Flute

+ Mini Design

45460

Template

ØD	B	Ød	L	Flute	Repl. Bearing	Repl. Collar	Tool No.
3/16	1/4	1/4	1-3/4	2	47775	—	47222-5 +
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)	—	47221-5** +
1/4	1/4	1/8	1-15/16	2	47723	—	47223-5 +
1/4	1/4	1/4	2-1/2	2	47723	—	47224-5 +
1/4	3/4	1/4	2-7/16	2	47723	—	47224 +
3/8	1/2	1/4	2	2	47751(2)	47764	45475 **
3/8	1	1/2	3-1/4	2	47751	—	47226
1/2	3/8	1/4	2-1/4	2	47701	47724	45481
1/2	1/2	1/4	2	2	47701	47724	45487
1/2	1/2	1/2	2-3/4	2	47701	—	47226-5 New
1/2	3/4	1/4	2-1/4	2	47701	47724	45491
1/2	3/4	8mm	2-3/4	2	47701	—	45493-M New
1/2	1	1/4	2-1/2	2	47701	47724	45460
1/2	1-1/4	1/4	2-3/4	2	47701	47724	45461
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
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 New
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	45463-5
3/4	1	1/4	2-1/2	2	47714	47724	45464
3/4	1	1/2	3	2	47721	47739	45463
3/4	1-3/4	1/2	3-3/4	2	47721	47739	45465
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.

** Double bearing.

5-Packs Includes	Tool No. New
45460 (5 Pcs. each)	45460-5

FLUSH TRIM PLUNGE TEMPLATE UP-SHEAR AND DOWN-SHEAR

Carbide Tipped • 2 & 3 Flute with Upper Ball Bearing

A-MAX HARDER CARBIDE FOR EXTENDED LIFE

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 **
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.

Up-Shear New

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

A-MAX HARDER CARBIDE FOR EXTENDED LIFE

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 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
1/4	1/8	1/4	2	47723 (2) (1/4)	47221-S New
1/4	1/4	1/8	1-15/16	47723 (1/4)	47223-S
1/4	3/4	1/4	2-7/16	47723 (1/4)	47224
1/4	1/4	1/4	2-1/2	47723 (1/4)	47224-S

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.

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 †
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
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-Packs Includes	Tool No.
45475-S (5 Pcs. each)	45475-S-5
45460-S (5 Pcs. each)	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	Repl. 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
3/8	1	1/4	2-5/8	47100
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
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
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 New

Replacement Bearings: 1/4" dia. use #47723, 3/8" dia. use #47702, 1/2" dia. use #47706, 3/4" dia. use #47714. Undersized bearing (.492" dia.), use #47715 - for use after re-sharpening (1/2" dia. only).
* 1/4" diameter for closer inside corner cutting only; bearings not guaranteed due to size.

Replacement knife #RCK-262 (2 required). Replacement knife #RCK-8 (2 required).
Polycrystalline Diamond (PCD) for extremely long life. Also good to cut composites and trim ACM materials and Aluminum. † Single Flute, for the RV industry.
** Replacement bearing #47798. *** Miniature with 3/16" ball bearing guide #47775.

2 Flute
RC-47104 Solid Carbide Insert Knife
MR0102 (Mini)
4 Flute Double Ball Bearing

5-Packs Includes	Tool No. New
47090 (5 Pcs. each)	47090-5
47092 (5 Pcs. each)	47092-5
47100 (5 Pcs. each)	47100-5
47102 (5 Pcs. each)	47102-5
47104 (5 Pcs. each)	47104-5
47106 (5 Pcs. each)	47106-5
47108 (5 Pcs. each)	47108-5

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
1/2	1/2	1/2	2-5/8	47120
1/2	1	1/4	2-5/8	47114
1/2	1	1/4	2-29/32	57180 ** New
1/2	1	1/2	3-1/4	47118
1/2	1	1/2	3-5/8	47118-2 ••

4 FLUTE

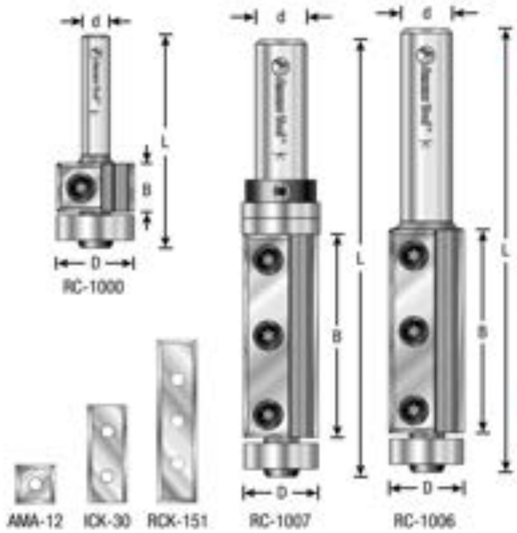
Standard replacement bearing (.500" dia.), use #47706.
Undersized bearing (.492" dia.), use #47715 - for use after re-sharpening.
•• Double ball bearing for added stability.
** Replacement bearings #47706 (bottom), #47701 (top). Retaining collar #47724.

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	3-25/32	57181 ** New
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.



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	4-1/4	RCK-151	RC-1007**

* This tool is meant for difficult work. The knives are held with 3 screws.

** Replacement parts: Bearings #47711 (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

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 *New*

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
1/2	3/8	.059 (1.5mm)	1/4	1-7/8	47150
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.).

A-MAX HARDER CARBIDE FOR EXTENDED LIFE

FLUSH TRIM (EXTRA LONG)

Carbide Tipped • With Ball Bearing Guide

A-MAX HARDER CARBIDE FOR EXTENDED LIFE

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.

2 Flute

Double Bearing

DYNABIT™ LAMINATE TRIM

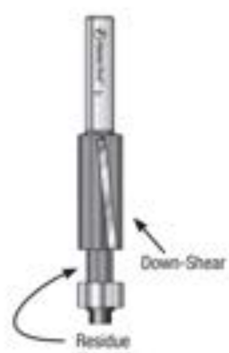
Carbide Tipped • 2 Flute with Ball Bearing Guide

A-MAX HARDER CARBIDE FOR EXTENDED LIFE

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 tools #47111 & #47113.

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
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	Flush Helix	47712	47180
3/4	5/8	1/4	2-1/4	Flush Helix	47714	47182
3/4	3/8	1/4	2	15° Bevel	47714	47184

47105



47111

57187

MULTI-TRIMMER *New*

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	1	1/2	3-25/32	4	57181 **
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 #47739.

*** Replacement bearings #47714 (bottom), #47721 (2 top). Retaining collar #47740.

Up-Shear

SUPERTRIM™ 3° & 5° 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.

Down-Shear

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.

				Replacement Bearing		
ØD	B	Ød	L	Upper	Lower	Tool No.
1/2	5/8	1/4	2-19/32	47701	47706	47094
1/2	1	1/4	2-15/16	47701	47706	47095 New
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.

- 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

A MAX
HARDER CARBIDE FOR EXTENDED LIFE

OD	B	Od	L	Replacement Bearing	Tool No.
1/2	19/64	1/4	1-3/4	SQB100	47147
1/2	1/2	1/4	2-1/8	SQB100	47146
3/4	5/8	1/4	2-3/8	SQB102	47148
3/4	5/8	1/2	2-5/8	SQB102	47149

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.

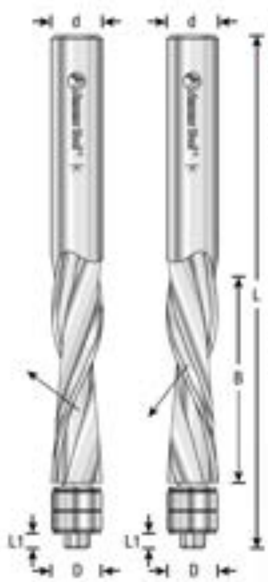
- SQB100 Can be mounted to any 1/2" diameter Amana Tool flush trimmer.
- SQB102 Can be mounted to any 3/4" diameter Amana Tool flush trimmer.

SQB100

SQB102

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

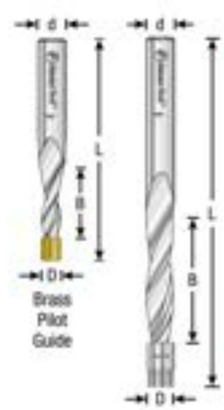
Solid Carbide • 2 Flute with Double Ball Bearing Guides

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	L1	'Up-Cut' Tool No.	'Down-Cut' Tool No.
1/2	1-1/4	1/2	4	5/32	46300	46400
1/2	2	1/2	5	5/32	46304	46404

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 • 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 * +
1/4	1	1/4	3	46197 ◆	46297 ◆

* **Note:** Due to extremely small cutting diameter this bit is not guaranteed.
+ Brass pilot guide
◆ Double ball bearing pressed

Replacement bearings for #46197 and #46297: Two #47723.
Philips retaining screws for #46197 and #46297: #67134.

46297

46196

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.
1/2	1-1/4	7/16	1/2	4	46192

Replacement bearing #47701 (2).
Replacement washer #67053.
Replacement locking ring #47752.

'OVERHANG' TRIM

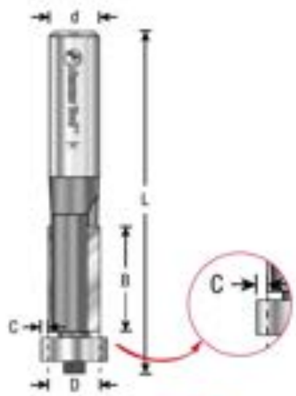
Carbide Tipped • 2 Flute with Ball Bearing Guide

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 laminate 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	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 * New

* Down-shear Design.



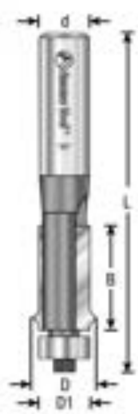
FLUSH TRIM V-GROOVE

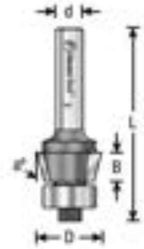
Carbide Tipped • 2 Flute with Ball Bearing Guide

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.

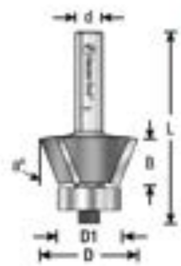
ØD	a°	B	Ød	L	Repl. Bearing	Tool No.
1/4	7°	3/8	1/4	1-7/8	47775	MR0106 *
1/2	22.5°	1/2	1/4	1-7/8	47775	MR0107 *
9/16	45°	1/4	1/4	1-7/8	47775	MR0108 *
5/8	15°	1/4	1/4	2-3/32	47706	47200
1/2	22°	5/16	1/4	1-3/4	47723	47201
3/4	25°	1/4	1/4	2-3/32	47706	47202
3/4	25°	27/64	1/4	2-3/64	47702	47206
1-1/16	45°	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.

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.

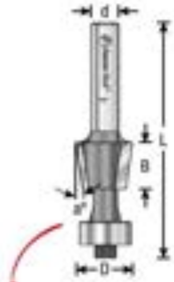
ØD	a°	B	Ød	L	Repl. Knives	Tool No.
13/16	15°	7/16	1/4	2-1/4	AMA-12	RC-1008
1-1/16	45°	7/16	1/4	2-1/4	AMA-12	RC-1014

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.

AMA-12



Gap reduces adhesive build-up around bearing area.

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.

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.

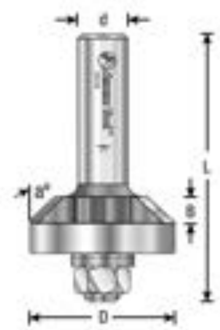
a. Laminated top is 'under-cut', as shown.

b. Apron laminate is pre-cut at 45°.

c. 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

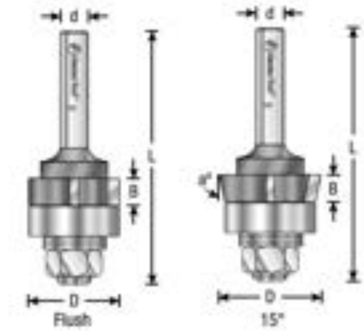
Includes cutter, arbor & ball bearing guide

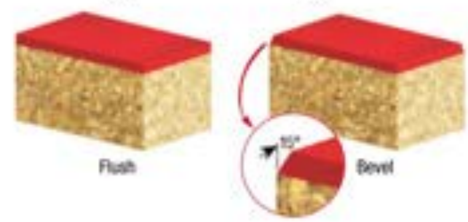
An assembly offers the option of switching cutters – from flush trim to either of two bevel trims – without removing the bit from the router or even changing the depth-of-cut setup. Four flutes yield a smooth, crisp cut finish.

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.





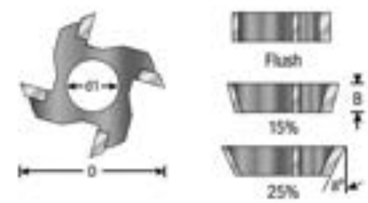
4-WING CUTTERS ONLY

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	15°	1/4	5/16	B**	47502-L
1-1/16	25°	1/4	5/16	T*	47504
1-1/16	25°	1/4	5/16	B**	47504-L

* Top cutter.
** Bottom cutter.



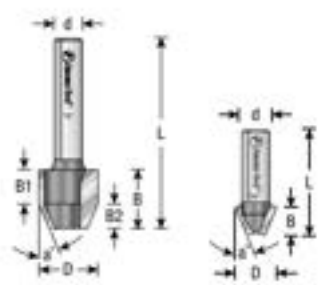
COMBINATION BEVEL AND FLUSH TRIM

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.



2 Flute
51100

*2 Flute
51600

E-Z CHANGE™ Replaceable Cutter Router Bit System

- No resharpening
- 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)						55178
5/8	1/2	15°	1/4	1/4	1-3/4	47179
3-Pack of Carbide Tipped Cutters for #47179						55179

Replacement Parts

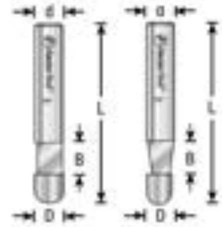
1/4" Shank (screw #67096 & washer #67124 included): #47624 for #47178.
1/4" Shank (screw #67096 & washer #67124 included): #47629 for #47179.
Bearing (3/16" Ød x 1/2" ØD): #47706.

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.

51200 51202 51204



Flush Bevel

Flush

Bevel

ØD	B	Ød	L	Type of Cut	Tool No.
1/4	1/4	1/4	1-1/2	Flush	51200
1/4	1/4	1/4	1-1/2	7°	51202
1/4	1/4	1/4	1-1/2	Flush	51204 *
1/4	3/8	1/4	1-1/2	Flush	51206

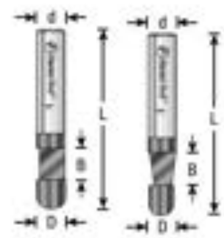
* #51204 has a short/flat pilot for dado clean out/ dado cleaning.

AlTiN COATED BITS

AlTiN COATED HIGH PERFORMANCE PANEL PILOT

Solid Carbide • Single Flute • Longer Tool Life

51202XL 51200XL



Flush Bevel

Flush

Bevel

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

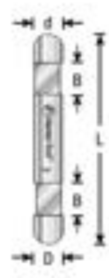
DOUBLE END PANEL PILOT

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



51201

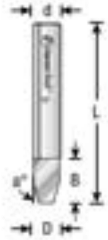
51203

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.

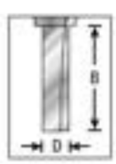
ØD	B	Ød	L	Tool No.
1/4	3/8	1/4	1-1/2	51710

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.

Straight

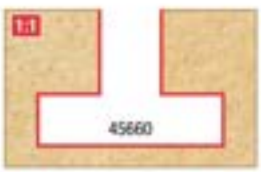
Radius

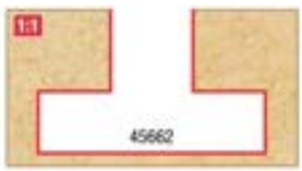
Bevel

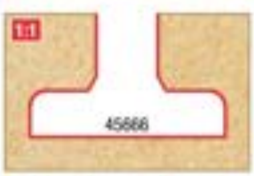

Straight

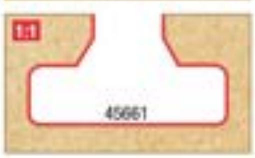

Radius

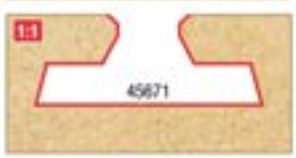

Bevel

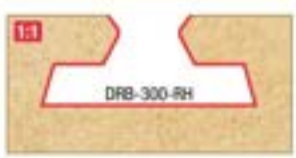












Countersink

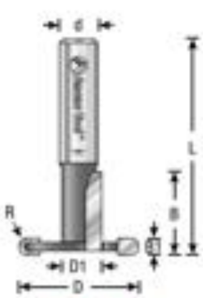
Counterbore

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.

ØD	ØD1	B	B1	Ød	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



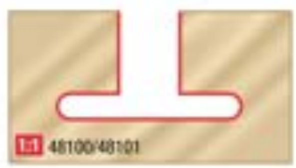
SPECIAL AMEROCK® HINGE

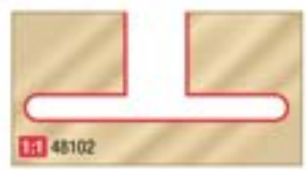
Carbide Tipped • 2 Flute

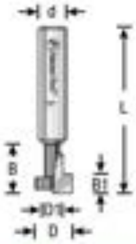
This bit is designed to produce a T-slot for Amerock® hinges. For best results use in a table-mounted router.

ØD	ØD1	R	B	B1	Ød	L	Tool No.
1-1/8	3/8	5/64	21/32	5/32	3/8	2	48100 *
1-1/8	3/8	5/64	21/32	5/32	1/2	2-1/8	48101 *
1-19/32	3/8	5/64	21/32	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.

ØD	ØD1	B	B1	Ød	L	Tool No.
3/8	13/64	3/8	3/16	1/4	1-1/2	45650
1/2	5/16	3/8	3/16	1/4	1-1/2	45652

3-PC. CNC SIGNMAKING & LETTERING

New

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

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.

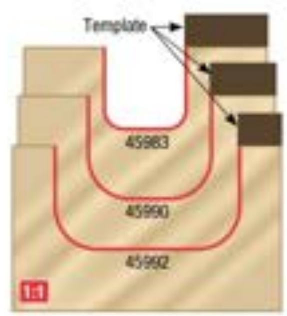
ØD	R	B	Ød	L	Tool No.
1/2	1/8	1/2	1/4	2-1/8	45981
3/4	1/4	5/8	1/4	2-5/8	45982
3/4	1/4	5/8	1/2	2-5/8	45984
1-1/8	1/4	5/8	1/2	2-5/8	45986

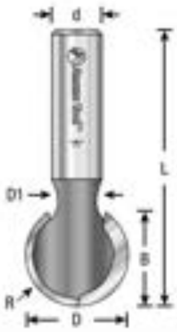
BOWL & TRAY

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 Bearing	Replacement Collar	Tool No.
1/2	1/8	1/2	1/4	2-1/8	47701	47724	45983
3/4	1/4	5/8	1/2	2-5/8	47721	47739	45990
1-1/8	1/4	5/8	1/2	2-5/8	47738	47740	45992





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.

Set AMS-557

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 New
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	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	1/2	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.

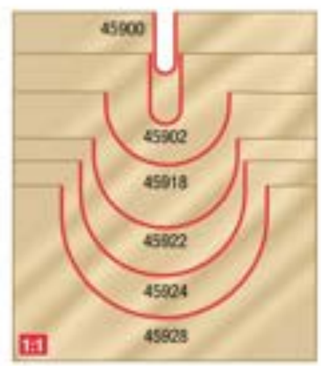
▲=Maximum RPM =20,000

* 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 (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.

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



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 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
- HDU Board

1/4" SHANK

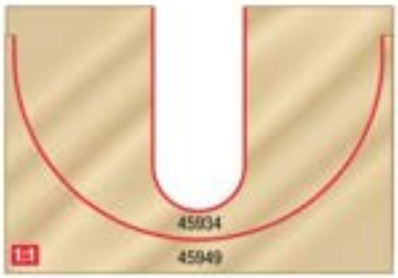
Sets

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 ♦ ▲
1-1/2	3/4	1-1/4	1/2	2-3/4	45946 ♦ ▲
2	1	1-1/4	1/2	2-3/4	45948 ♦ ▲
2-1/4	1-1/8	1-1/4	1/2	2-3/4	45949 ♦ ▲

▲ **Warning:** Maximum RPM ▲ =14,000; ▲ =18,000; ▲ =20,000

Note: All core box wood sample illustrations shown actual size.

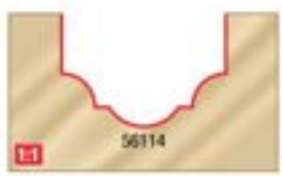
♦ Use in a table-mounted router. **Not for use in a handheld router!**

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

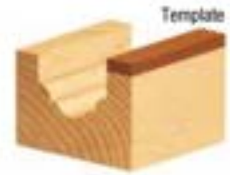
Carbide Tipped • 2 Flute with Upper Ball Bearing Guide

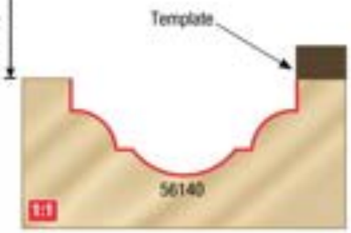
Rout decorative grooves on solid wood or MDF panels and surfaces with a handheld router.
Form edges with a hand router equipped with an edge guide or on a router table.
Shank-mounted bearing allows cuts to be guided by a template mounted atop the work-piece.

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





CLASSICAL GROOVE

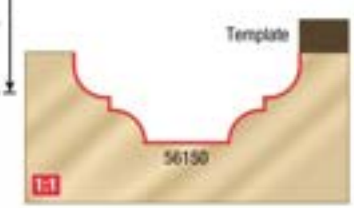
Carbide Tipped • 2 Flute with Upper Ball Bearing Guide

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	ØD1	R	B	Ød	L	Tool No.
1-3/8	.522	13/64	9/16	1/2	2-5/8	56150

Replacement Parts:

Ball Bearing	Lock Ring	Tool No.
47734	47750	56150



56125

POINT CUTTING ROUND OVER

Carbide Tipped • Single & 2 Flute

For trimming, lettering & fluting. Bits are not guaranteed due to a very fine plunge point.

ØD	R	B	B1	Ød	L	Flutes	Tool No.
5/64	1/32	3/16	1/32	1/4	2-1/4	1	56141*
9/64	1/16	7/32	1/16	1/4	2-1/4	1	56142*
13/64	3/32	1/4	3/32	1/4	2-1/4	1	56143*
6mm	3mm	8mm	3mm	6mm	50mm	1	56125-M* New
1/4	1/8	5/16	1/8	1/4	2	1	56125*
3/8	3/16	19/64	3/16	1/4	1-7/8	2	56126
3/8	3/16	5/16	3/16	1/2	2-1/8	2	56121
12mm	6mm	13mm	6mm	6mm	51mm	2	56123-M New
1/2	1/4	1/2	1/4	1/4	2	2	56123
19/32	19/64	1/2	19/64	1/4	2-9/64	2	56128
3/4	3/8	5/8	3/8	1/4	2	2	56127
3/4	3/8	5/8	3/8	1/2	2	2	56129
1	1/2	3/4	1/2	1/4	2	2	56144 New

* Solid carbide.

5-Packs Includes	Tool No. New
56125 (5 Pcs. each)	46009-K-5

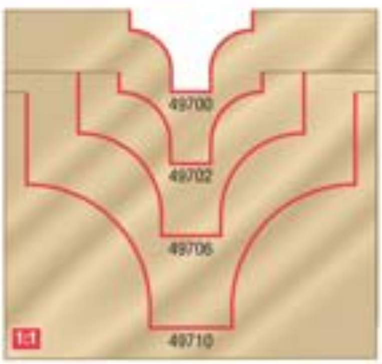
Use Tool #56125 with Tongue & Groove Assembly #55400 on page 205.

CNC feed and speed available online

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 New
5/8	1/4	3/16	5/16	1/8	—	1/4	1-3/4	49696 New
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 New
3/4	1/4	1/4	1/2	3/8	1/8	1/4	1-7/8	49698 New
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 New
1-3/8	3/8	1/2	3/4	5/8	1/8	1/2	2-1/4	49721 New
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!**

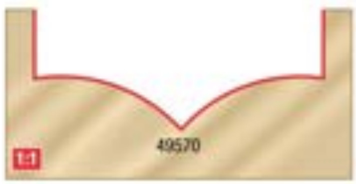
* Elongated plunge.

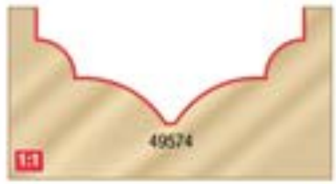
ROUND OVER GROOVE

Carbide Tipped • 2 Flute • Plunge Ovolo Router Bits

Rout 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
1-5/8	19/32	1/4	23/32	1/2	2-3/16	49574





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 at left. 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
3/4	1/2	1/8	3/8	1/8	1/4	2	56172
7/8	1/2	13/64	15/32	1/4	1/4	2-3/16	56174
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 New

▲ **Warning:** Maximum RPM ▲14 =14,000

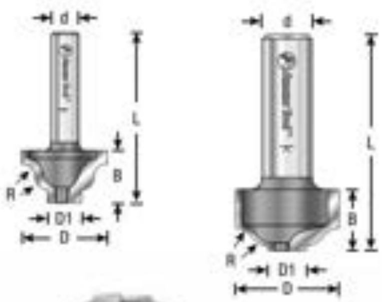
• Use in a table-mounted router. **Not for use in a handheld router!**

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

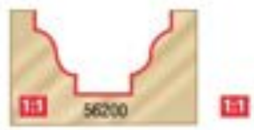


OGEE GROOVE

Carbide Tipped • 2 Flute

This bit is similar to the ogee groove bits on the previous page, but these form 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.

ØD	R	R1	B	Ød	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.

ØD	ØD1	a°	B	Ød	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°	OD	B	C	Ød	L	Flutes	Tool No.
45°	1	5/16	7/16	1/4	2	2	49401 New
45°	1-1/4	1/2	5/8	1/4	2	2	49400
45°	1-1/4	1/2	5/8	1/2	2-3/8	2	49402 New
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 ▲ ♦†
45°	3	1-1/16	1-3/8	1/2	3-1/2	2	49405 ▲ ♦
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 ▲ ♦
45°	1-19/64	7/16	5/8	1/4	2	3	47306 New
45°	1-19/64	7/16	5/8	1/2	2-3/8	3	47308 New
45°	1-3/4	3/4	3/4	1/2	2-13/16	4	47309 New

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 ▲ =16,000; ▲ =18,000

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

4 FLUTE

49400

47309

49412
6 sides (30°)

49410
8 sides (22.5°)

49408
12 sides (15°)

49407
16 sides (11.25°)

Adjustable Chamfer
See page 148-149

3" Door Edge Chamfers
See page 33

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

1/4" SHANK 1/2" SHANK

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

INBEVEL

ADJUSTABLE INSERT CHAMFER SYSTEM FOR CNC, HANDHELD & ROUTER TABLES

In-Bevel insert router bit complete with two cutting flutes. 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 with two cutting edges that allow users to rotate the knife when one side becomes dull.

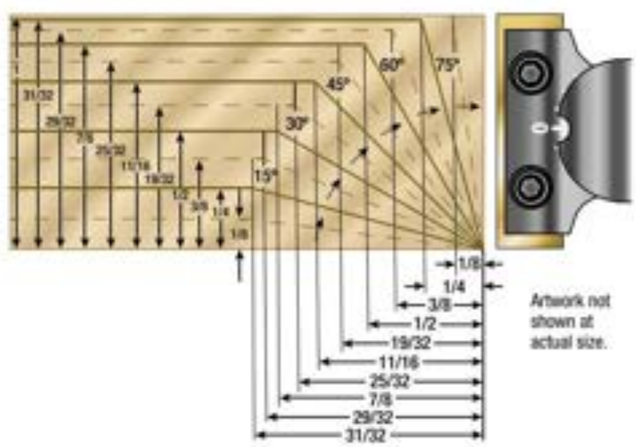
Excellent For Cutting:

- 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	Repl. Knife	Tool No.
1-7/8	25mm	11.5mm	31/32	-45° to +90°	1/2	2-13/16	16,000	RCK-460 (2)	RC-2375

Optional carbide grade knife, optimal for MDF #RCK-462 (2). Replacement screws #67133.



Artwork not shown at actual size.

CNC feed and speed available online

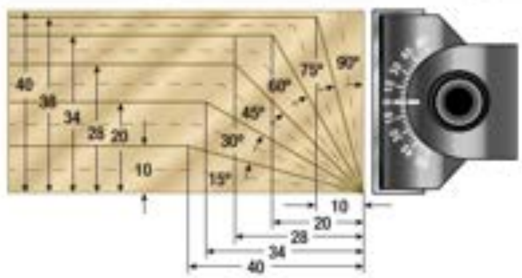
CNC INSERT CARBIDE ADJUSTABLE CHAMFER

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



Artwork not shown at actual size.

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 =12,000

Replacement screws use #67183.

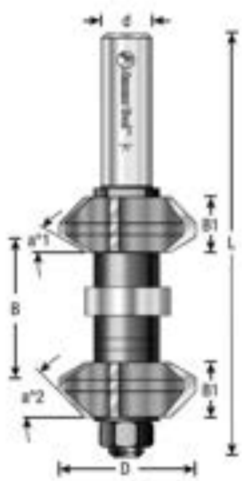
VARIABLE DOUBLE CHAMFER ASSEMBLY

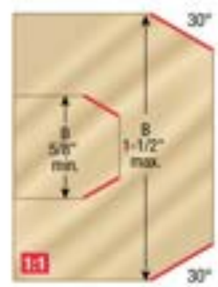
Carbide Tipped • 3-Wing with Ball Bearing Guide

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

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.

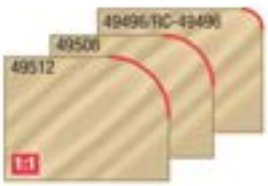
For sets see page 151.

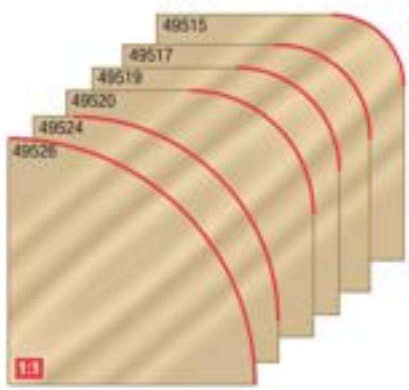
Excellent For Cutting:
- Acrylic
- Laminate
- MDF/HDF
- Melamine
- Wood
- Plywood

RC-49504


RCK-272

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
5/8	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
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
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
1	1/2	1/4	1/2	1/4	2	49504
1	1/2	1/4	1/2	1/4	2-1/16	RC-49504
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 New
1-5/64	1/2	2mm	43/64	1/4	2-13/32	RC-49495 New
1-5/64	1/2	3mm	3/8	1/4	2-3/8	RC-49497 New
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 ▲
2	1/2	3/4	1	1/2	2-7/8	49520 ▲
2-1/4	1/2	7/8	1-1/4	1/2	3-1/16	49521 ▲
2-1/2	1/2	1	1-1/4	1/2	3-3/16	49522 ▲ ♦*
2-3/4	1/2	1-1/8	1-3/8	1/2	3-3/4	49523 ▲ ♦*
3	1/2	1-1/4	1-1/2	1/2	3-7/8	49524 ▲ ♦*
3-1/2	1/2	1-1/2	1-3/4	1/2	4-1/8	49526 ▲ ♦*





* 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.

Replacement solid carbide insert knife for RC-49492 #RCK-265 (2 required).

Replacement solid carbide insert knife for RC-49496 #RCK-268 (2 required).

Replacement solid carbide insert knife for RC-49497 #RCK-269 (2 required).

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.

▲ **Warning:** Maximum RPM ▲ =15,000; ▲ =16,000; ▲ =18,000; ▲ =22,000; ▲ =28,000

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

5-Packs Includes	Tool No.
49496 (5 Pcs. each)	49496-5

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 New
1	5/8	3/16	1/2	1/4	2	49546 New
1-1/8	5/8	1/4	7/16	1/4	2-9/16	49547 New
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 New
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 New
1-5/8	5/8	1/2	11/16	1/2	2-3/4	49545

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 ▲
2-1/2	3/8	1	1-1/4	1/2	3-3/16	49622 ▲ ♦*

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 ▲ =18,000; ▲ =22,000; ▲ =28,000

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

CORNER ROUNDING SETS

Carbide Tipped • 2 Flute with Ball Bearing Guide

4-Pc 1/4" Shank Set includes the following radii: 1/4 5/16 3/8 and 1/2	AMS-551* New
4-Pc 1/2" Shank Set includes the following radii: 1/4 3/8 1/2 and 3/4	AMS-556* New
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. This unique tool is available in a 1/8" or 1/4" radius.

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

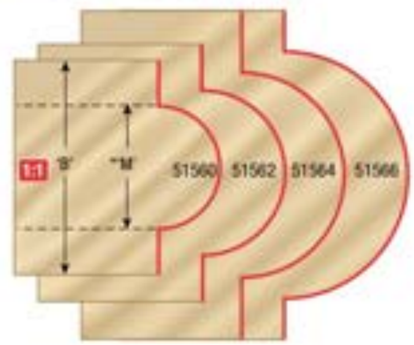
Replacement parts:
Bearings #47706 and #47721.
Allen screw #67011.
Lock ring #47739.
Allen key #67165.

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	1-5/16	1-1/4	1/2	2-3/4	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 ▲ ♦ †



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. New

† #51566 is 3 flute (all others are 2 flute).

▲ **Warning:** Maximum RPM ▲ = 19,000

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

3D ADAPTERS FOR ROUTER BITS

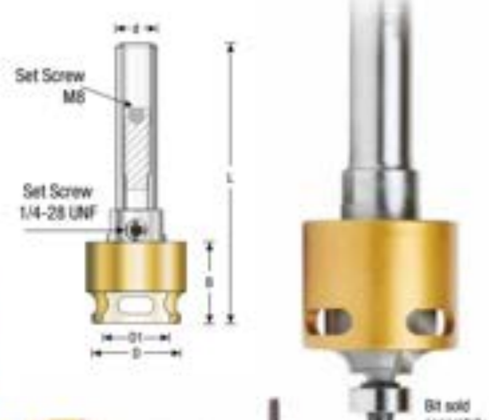
These 3D adapters are versatile devices used for making compound curves by inserting the adapter over any 1/4" shank router bit. By making it as an adapter and not a solid tool, the system becomes much more flexible as well as cost effective.

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 ▲ ♦

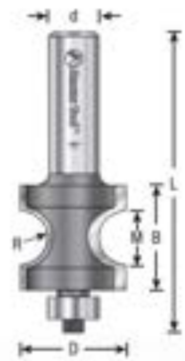


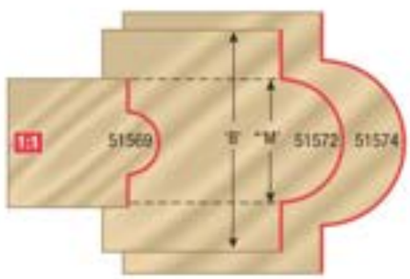
Use Amana Tool® Allen key #5003 (5/32") to adjust the required length of the shank. Only then, you can tighten the set screw that holds the tool from the side.

▲ **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 ▲
1	1/2	1-19/32	1-13/16	1/2	3-1/2	51574 ▲

* '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 ▲ =18,000; ▲ =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.

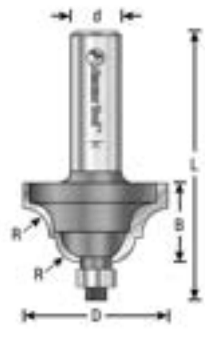
COVE & BEAD

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 BEAD & COVE

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.

10-PC. WOODWORKERS MUST HAVE *New*

Carbide Tipped and Solid Carbide • Router Bit Set • 1/2" Shank

Excellent For Cutting:
- Softwood/Hardwood
- Veneered Plywood
- MDF/HDF
- Laminate

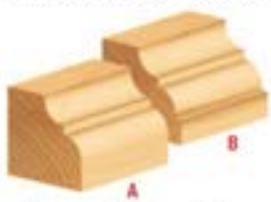
10-Pc set includes 53210, 45408, 46104, 45422, 47124, 49309, 45805, 49402, 49506 & 49114	AMS-410

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	11/32	11/32	1-1/4	1/2	3-1/8	54100 ▲
2	3/8	3/8	1	1/2	2-3/4	54135 ▲

A Standard 1/2" bearing #47706 (included).

B Optional 3/8" bearing #47702 (order separately).

▲ **Warning:** Maximum RPM ▲ =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 ▲
2	3/4	1	1/2	2-7/8	49120 ▲
2-1/4	7/8	1-1/4	1/2	3-1/8	49121 ▲ † ♦
2-1/2	1	1-1/4	1/2	3	49122 ▲ † ♦

† 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 ▲ =12,000; ▲ =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 New
1-3/4	1/2	5/8	1/2, 9/16, 5/8 & 11/16	1/2	2-13/16	49132 New

Replacement bearings: 47714(3/4), 47712(5/8), 47701(1/2), 47751(3/8)

4 Flute

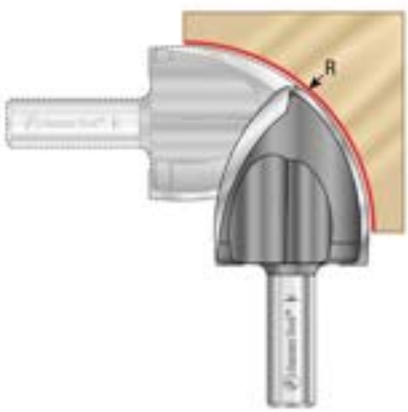
4
FLUTE

LARGE RADIUS OVOLO

Carbide Tipped • 2 Flute

Now you can make extra-large coves 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.

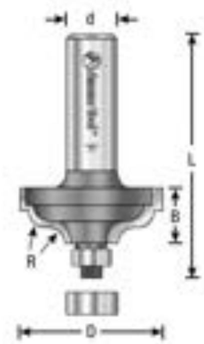
ØD	R	B	Ød	L	Tool No.
1-1/8	3/16	1/2	1/4	2	54144
1-3/8	5/16	5/8	1/2	2-1/2	54150

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 ▲

A Standard 1/2" bearing #47706 (included).

B Optional 3/8" bearing #47702 (order separately).

▲ **Warning:** Maximum RPM ▲ =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	11/16	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

R	R1	a°	ØD	B	Tool No.
3/16	—	—	1-3/8	11/16	NRC-A08

Chamfer

R	R1	a°	ØD	B	Tool No.
—	—	30°	1-1/2	11/16	NRC-A01

Cove

R	R1	a°	ØD	B	Tool No.
1/4	—	—	1-3/8	11/16	NRC-A11

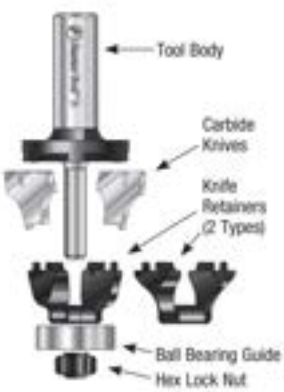
Ogee

R	R1	a°	ØD	B	Tool No.
5/32	11/64	—	1-3/8	11/16	NRC-A15
5/32	11/64	—	1-1/2	11/16	NRC-A16

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.

Body type 'A' includes both concave and convex knife retainers and ball bearing guide.



Knives are marked to indicate which retainer is needed.

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

R	a°	ØD	B	Tool No.
1/4	—	1/2	3/8	NRC-B53

Ordering Instructions: Choose the plunge type body 'B' #NS-100 (1/4 shank) or #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 (Edge Form Routing) Profiles

NRC-A01

NRC-A03

NRC-A04

NRC-A05

NRC-A08

NRC-A11

NRC-A15

NRC-A16

Body Type B (Plunge Routing) Profiles

NRC-B51

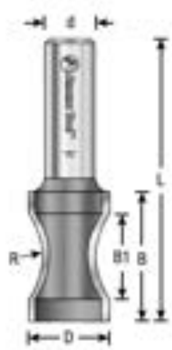
NRC-B53

HAND GRIP PLUNGE

Carbide Tipped • 2 Flute

Intended for forming and edging internal hand-helds 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



51586

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.

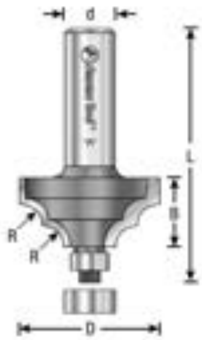
* Replacement bearing for #51586 use (2) #47712. Replacement screw #67096. Replacement key #5000.

† 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
1-1/2	1/4	3/4	1/2	2-3/4	54141

A Standard 1/2" bearing #47706 (included).

B Optional 3/8" bearing #47702 (order separately).

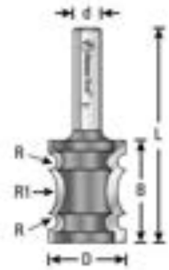
WAVY EDGE

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

RC-54111

OGEE

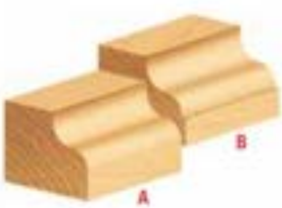
Carbide Tipped • 2 Flute with Ball Bearing Guide

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.

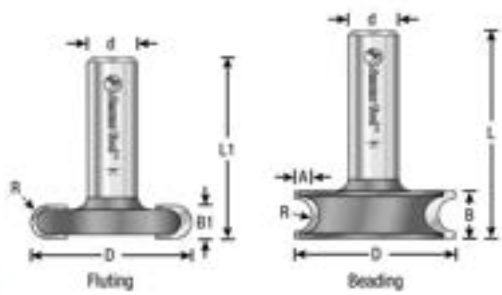
ØD	R	B	Ød	L	Tool No.
1	3/16	1/2	1/4	2-1/2	54190

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

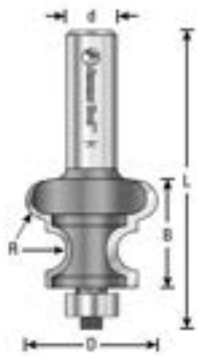
Set of 2 bits. Not sold separately.

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.
1-1/4	3/16	1	1/2	2-7/8	54186
2	1/4	1-1/4	1/2	3	54188 ▲

Replacement bearing for #54186 use #47706.
Replacement bearing for #54188 use #47716.

▲ **Warning:** Maximum RPM ▲ =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

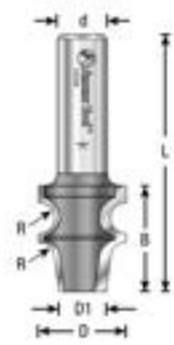
Replacement parts: Bearings #47712 (2 required); Collar #47724.

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



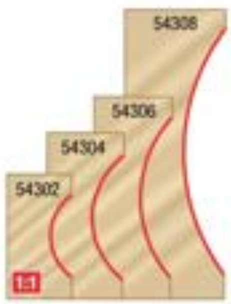
EDGE FLUTING

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	13/64	3/8	1/4	1/4	2-3/8	54332

Replacement parts: Bearings #47701 (upper) and #47706 (lower); Collar #47724.

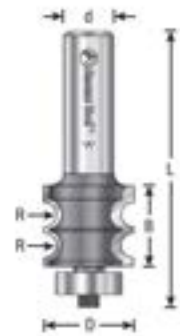
DOUBLE BEADING

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

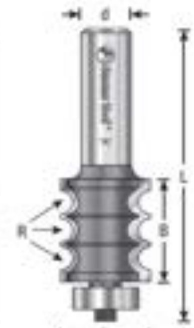
Carbide Tipped • 2 Flute with Ball Bearing Guide

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	1/4	2-5/8	54211
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.

Fluting



Beading

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

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

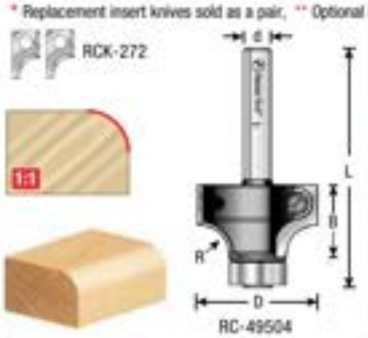
IN-TECH™

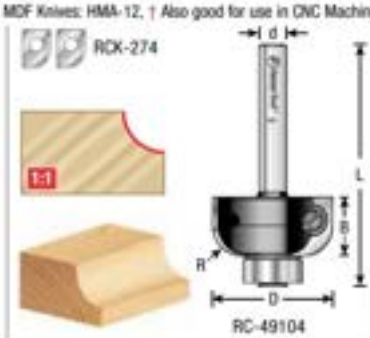
Insert Carbide Knives • 2 Flute • Industrial Quality

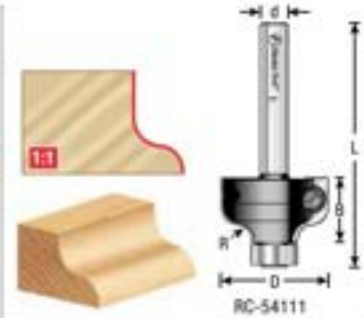
Popular insert router bit profiles provide all woodworkers access to the industrial-grade technology, at an affordable price. By replacing worn knives instead of sharpening standard carbide tipped bits, router bit dimensions, cutting quality and accuracy remain constant during the life of the tool. Ideal for routing softwood/hardwood as well as harder materials such as MDF and Chipboard. V-Groove bits excellent for engraving Aluminum.

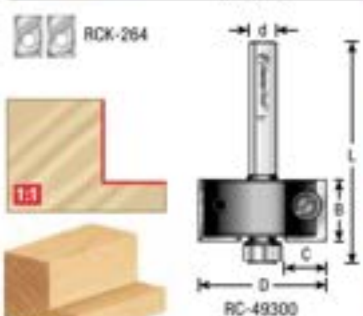
ØD	C	R	B	a°	a1°	Ød	L	Description	Flute	Repl. Knives	Repl. BB	Tool No.
1	—	1/4	1/2	—	—	1/4	2-1/16	Corner Round	2	RCK-272*	47706	RC-49504
1	—	1/4	1/2	—	—	1/4	2-1/16	Cove	2	RCK-274*	47706	RC-49104
1-1/32	—	3/16	5/8	—	—	1/4	2-3/8	Ogee Fillet	2	—	47706	RC-54111
1-1/8	3/8	—	1/2	—	—	1/4	1-7/8	Rabbet	2	RCK-264*	47702	RC-49300
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 New
1-5/64	—	2mm	43/64	45°	—	1/4	2-13/32	(2 in 1) Bevel / Round	2	RCK-267*	47706	RC-49495 New
1-5/64	—	3mm	3/8	45°	—	1/4	2-3/8	(2 in 1) Bevel / Round	2	RCK-269*	47706	RC-49497 New
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 †
11/16	—	—	21/64	90°	45°	1/2	2-3/16	V-Groove	2	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 †

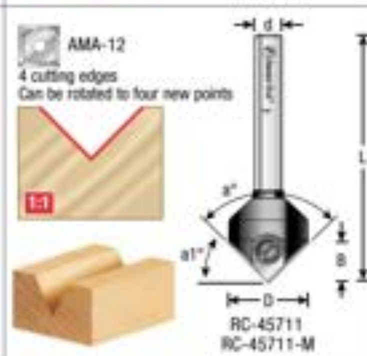
* Replacement insert knives sold as a pair, ** Optional MDF Knives: HMA-12, † Also good for use in CNC Machines

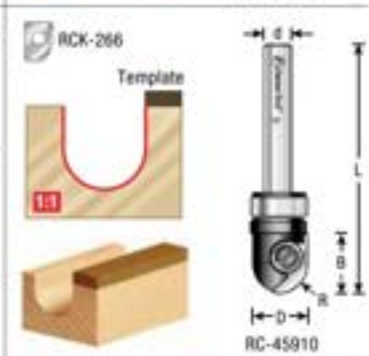


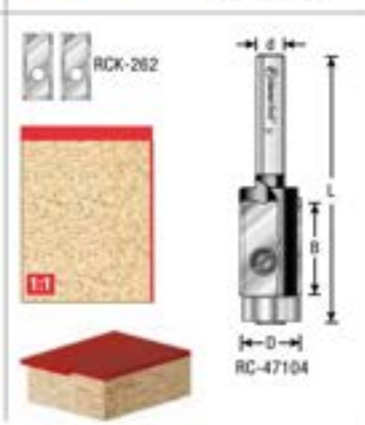












Architectural

INDUSTRIAL Router Bits

BASE MOLDING OGEE EDGE DETAIL

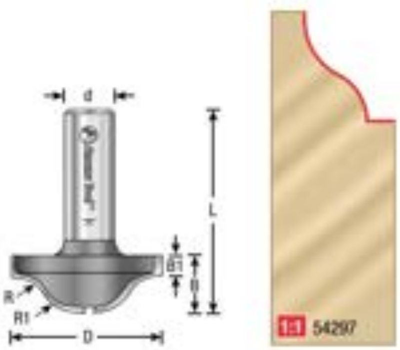
Carbide Tipped • 2 Flute

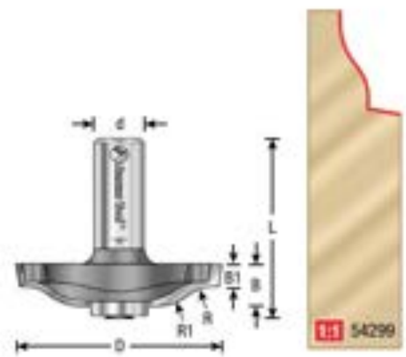
One of the easiest ways to dress up a room is to replace the skimpy base molding with a wide, bold profile. Amana Tool® offers classic ogee profiles in two sizes so that you can choose a size that best fits with the architectural details in the room. For quick easy installation we recommend that you attach the molding to the top of the base. This method greatly simplifies installation by allowing for a butt joint on inside corners.

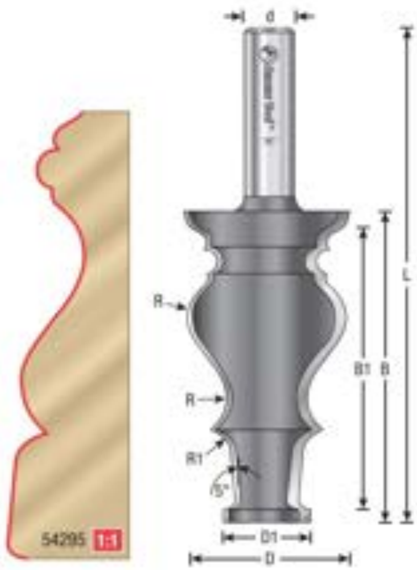
ØD	R	R1	B	B1	Ød	L	Tool No.
1-7/16	5/16	3/8	19/32	1/4	1/2	2	54297
1-53/64	19/64	13/32	3/8	7/32	1/2	2-1/2	54299 *

* 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 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	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 SETS

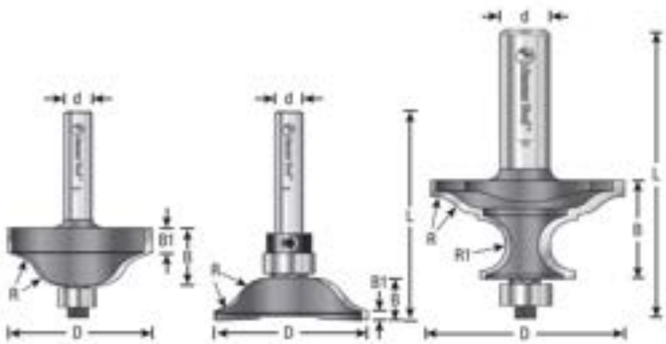
Carbide Tipped • 2 Flute • 3/4" Material

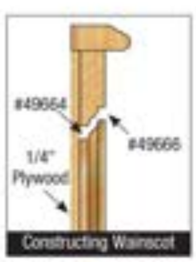
No other architectural feature adds quality and value to your home like wainscot paneling. Now you can make your own wainscot with these wainscot router bit sets. Each three-piece set comes with a beautiful profile bit for the stile and rail edges, a cope bit for flawless joints at each intersection, and a chair rail bit for a beautiful finishing touch.

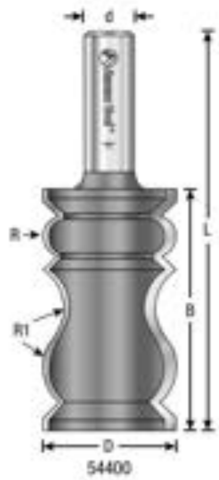
Bead, Bevel, Classic & Ogee Styles

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
3 Piece Set Including 49664, 49666 & 54266								49680
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
3 Piece Set Including 49674 & 49676								49682

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

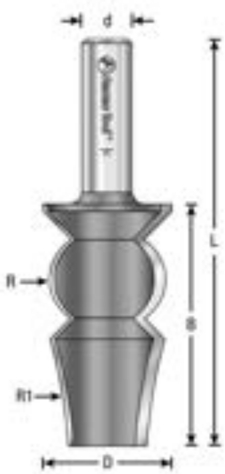
Carbide Tipped • 2 Flute

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 EXTENDER

Carbide Tipped • 2 Flute

Create crown molding up to 4-1/2" wide!

Now you can make extra-large architectural crown moldings with your table-mounted router. Our new extender bit enables you to make unique crown moldings in every type of wood. You're no longer limited to the small selection of crown moldings at the lumber dealer. This specially designed bit works in conjunction with either our vertical or horizontal crown molding bits allowing you to make crown moldings up to 4-1/2" wide. Bevel back edges, cutting off 45° excess, with one of our chamfer bits.

ØD	R	R1	B	Ød	L	Tool No.
1-1/4	7/16	3-15/16	2-3/8	1/2	4	54410

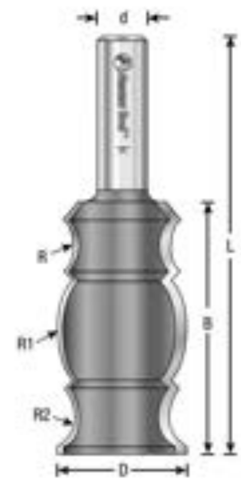
Can be used with other Crown Molding Bits to create many different combinations!

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.



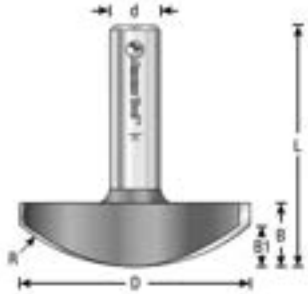
ØD	R	R1	R2	B	Ød	L	Tool No.
1-1/4	3/8	7/8	7/16	2-7/16	1/2	4-1/16	54412

Can be used with other Crown Molding Bits to create many different combinations!

HORIZONTAL CROWN MOLDING

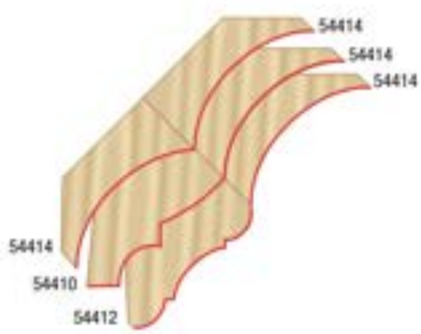
Carbide Tipped • 2 Flute

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!



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.

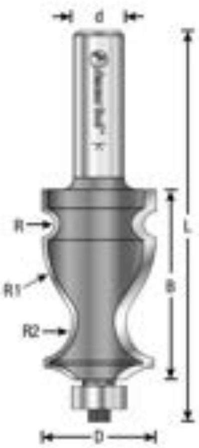
FOR IMPROVED SURFACE FINISH

49352	49545	49130	45463-3DS	57181
See page 194	See page 151	See page 157	See page 123	See page 125

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 #4

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 ▲

Replacement bearing #47706.

▲ **Warning:** Maximum RPM ▲ =12,000

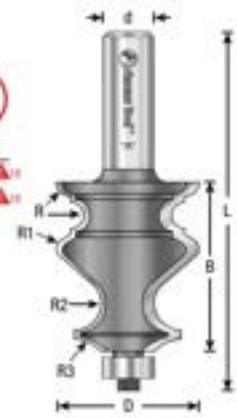
ARCHITECTURAL MOLDING

Carbide Tipped • 2 Flute with Ball Bearing Guide

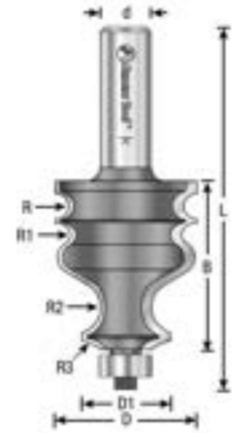
Type	ØD	ØD1	R	R1	R2	R3	B	Ød	L	Tool No.
#8	1-3/8	—	1/8	3/32	1/4	7/16	1-5/8	1/2	3-1/2	54222 ▲
#9	1-3/8	7/8	1/8	1/16	1/4	7/16	1-5/8	1/2	3-1/2	54224 ▲

Replacement bearing #47706.

▲ **Warning:** Maximum RPM=18,000



Type #8



Type #9

ARCHITECTURAL MOLDING

Carbide Tipped • 2 Flute with Ball Bearing Guide

Type	ØD	R	R1	B	Ød	L	Tool No.
#12	1-3/16	1/2	1/4	1-3/8	1/2	3-1/4	54234

Replacement bearing for #54234 use #47716.

Type #12

SPECIAL INTEREST MOLDING

Carbide Tipped • 2 Flute with Ball Bearing Guide

Designed for routing architectural and furniture moldings and trim, 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 a fence is recommended.

ØD	R	R1	B	Ød	L	Repl. Bearing	Tool No.
1-3/4	23/64	—	1	1/2	3	47712	54286 ▲

▲ **Warning:** Maximum RPM=18,000

MULTI-FORM

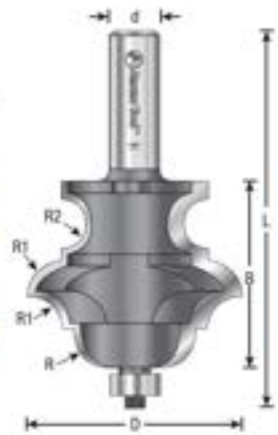
Carbide Tipped • 2 Flute with Ball Bearing Guide

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 ▲

▲ **Warning:** Maximum RPM ▲ =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

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.

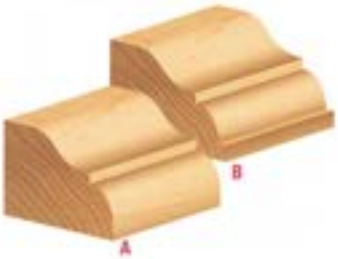
Eliminate hard edges, reduce the visual thickness of a tabletop, and add an elegant detail simultaneously with these bits.

ØD	R	R1	B	B1	B2	Ød	L	Tool No.
2-3/4	1-3/4	—	5/8	—	—	1/2	2-7/8	49550 ▲
2-1/2	3/8	—	3/4	—	—	1/2	2-3/4	49554 ▲
2-1/2	13/32	13/64	25/32	43/64	7/64	1/2	2-3/4	49556 ▲

A Standard 1/2" bearing #47706 (included).

B Optional 3/8" bearing #47702 (order separately).

▲ **Warning:** Maximum RPM ▲ =16,000



49550 Table Edge

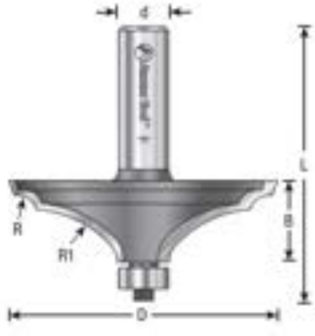
Cuts a wide profile with an arc based on the ellipse rather than the circle. With the optional 3/8" bearing, it will produce a fillet at the cut's edge. Good choice for handrails.

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.



49560 Thumbnail And Bead

Cuts the thumbnail arc coupled with a bead around the tabletop surface. With the optional 3/8" bearing, it will produce a fillet at the cut's edge.

TABLE EDGES

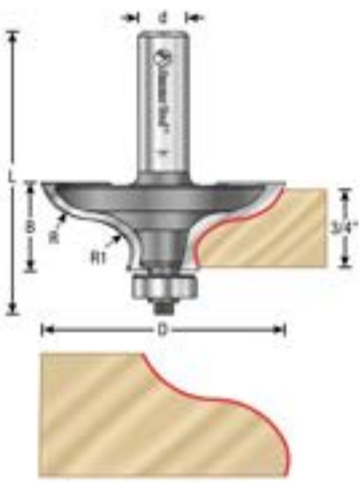
Carbide Tipped • 2 Flute with Ball Bearing Guide

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.

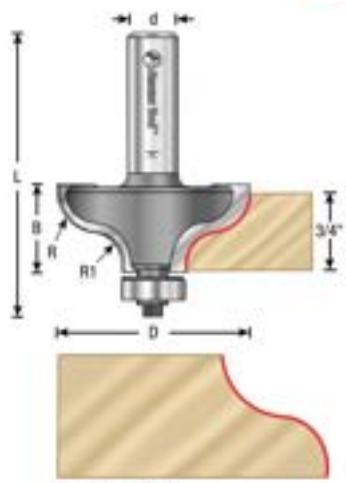
ØD	R	R1	B	Ød	L	Tool No.
2-21/64	1/2	1/4	55/64	1/2	2-3/4	49555
1-57/64	3/8	5/16	7/8	1/2	2-3/4	49559

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.

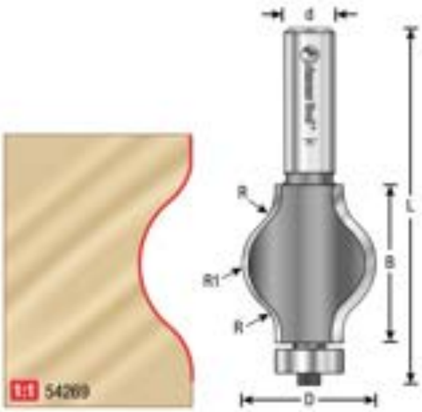
HANDRAIL

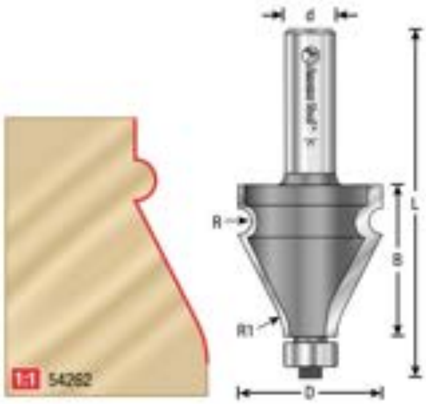
Carbide Tipped • 2 Flute with Ball Bearing Guide

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

7°

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

7-1/2°

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
5/16	0.400	1/4	2-9/32	Leigh® #60	45825
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

8°

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
1/2	5/8	1/2	2-5/8	Incra®	45805
3/4	13/16	1/2	2-1/4	-	45819

10°

6-PC. INCRA® DOVETAIL *New*

1/2" Shank • Carbide Tipped Router Bit Set

Includes a variety of Straight and Dovetail router bits for cutting wood.

Set #AMS-405 Includes:
45408, 45414, 45802, 45806, 45808 & 45810

6-Pc 1/2" Shank Set for Incra® dovetail system	AMS-405

45408 (not shown 1:1) 45414 45802 45806 45808 45810

DOVETAIL *New*

Carbide Tipped • 14° Angle

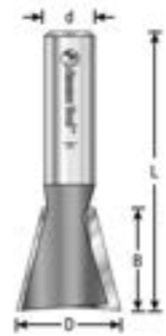
ØD	ØD1	B	B1	Ød	L	Tool No.
1/2	9/16	1/2	3/64	1/4	1-15/16	45815

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	1-3/4	—	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.

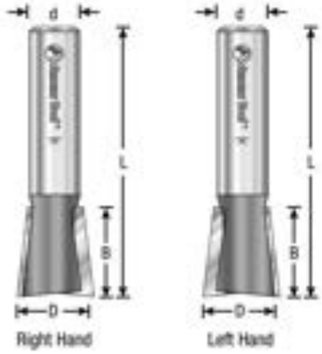
* Repl. Bearing #47701; Collar #47724.

** Repl. Bearing #47721; Collar #47739.

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

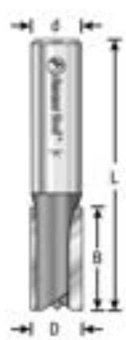
ØD	a°	B	Ød	L	Tool No.
9/16	10°	1/2	3/8 BSF*	1-1/2	45830

* BSF = British Standard Fine

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 draw 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 ▲
.615	3/4	1/4	2-5/8	1643/2443	45470 ▲
.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 ▲

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.
1	1	1/2	2-3/4	47738	Dovetail	3637	45890
5/8	3/4	1/4	2-5/8	47712	Straight	1643/2443/3643	45470 ▲

Replacement bearing for #'s 45469, 45470, 45474, 45880 and 45882 is #47712.
Replacement bearing for #45884 is #47741.

▲ **Warning:** Maximum RPM ▲ =16,000; ▲ =18,000

RABBET

Carbide Tipped • 2 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.

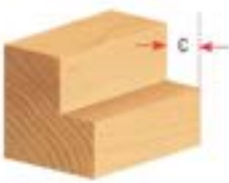
DD	C	B	Dd	L	Flutes	Tool No.
5/16	1/16	1/2	1/4	2	2	MR0101 *
7/16	1/8	1/2	1/4	1-7/8	2	MR0100 *
7/8	1/4	1/2	1/4	2	2	49305 New
7/8	1/4	5/8	1/2	2-1/2	2	49307 New
1-1/8	3/8	1/2	1/4	1-7/8	2	RC-49300
1-1/4	3/8	1/2	1/4	2	2	49300
1-1/4	3/8	1/2	1/2	2-3/8	2	49302
1-3/8	1/2	1/2	1/4	2	2	49306 New
1-3/8	1/2	1/2	1/2	2-3/8	2	49309 New
1-7/8	3/4	1	1/2	2-7/8	3	49314 New

Replacement knife #RCK-264 (2).

Replacement bearing for #RC-49300 use #47702.

* Miniature with 3/16" ball bearing guide #47775.

49300/49302



RC-49300

	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

RC-49300

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.

DD	B	Repl. Knife	Repl. Knife	Max RPM	Dd	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

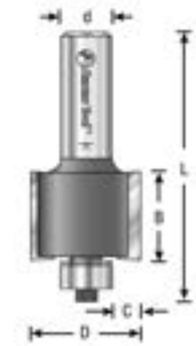
Carbide Tipped • 2 Flute with Ball Bearing Guide

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.



49310

MULTI-RABBET SET

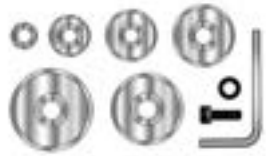
Carbide Tipped • 2 Flute with Ball Bearing Guide

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.

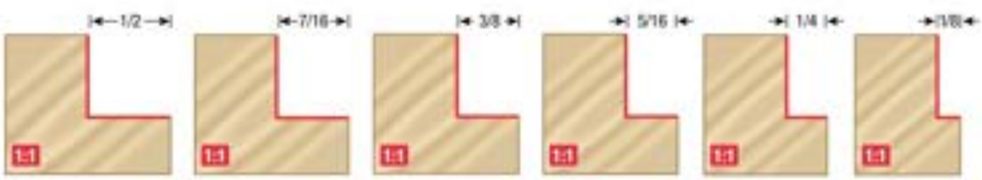
Six Different Rabbet Depths!

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.



1/2" rabbet use #47702 bearing

7/16" rabbet use #47706 bearing

3/8" rabbet use #47718 bearing

5/16" rabbet use #47720 bearing

1/4" rabbet use #47719 bearing

1/8" rabbet use #47743 bearing

SUPERABBET™

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.

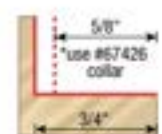
Between the standard and optional collars, there are 18 different rabbet sizes available. The deep guide collar design adds stability to the tool for hand-held router operations. The basic 2"-diameter bit includes a hex key, instructions, and all necessary parts for 5/8" and 3/4" deep rabbets.

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!**

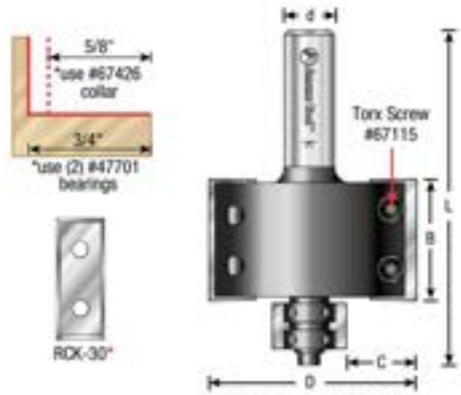


*use (2) #47701 bearings

Recommended by:

WILSONART INTERNATIONAL

18 Different Depths With 1 Tool!
See Optional Collars on pg 193.



Carbide Inserts #RC-49360
Torx Key #5005.

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 268-273.

#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:

WILSONART INTERNATIONAL

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 & solid surface materials – see replacement carbide section on pages 268-273.

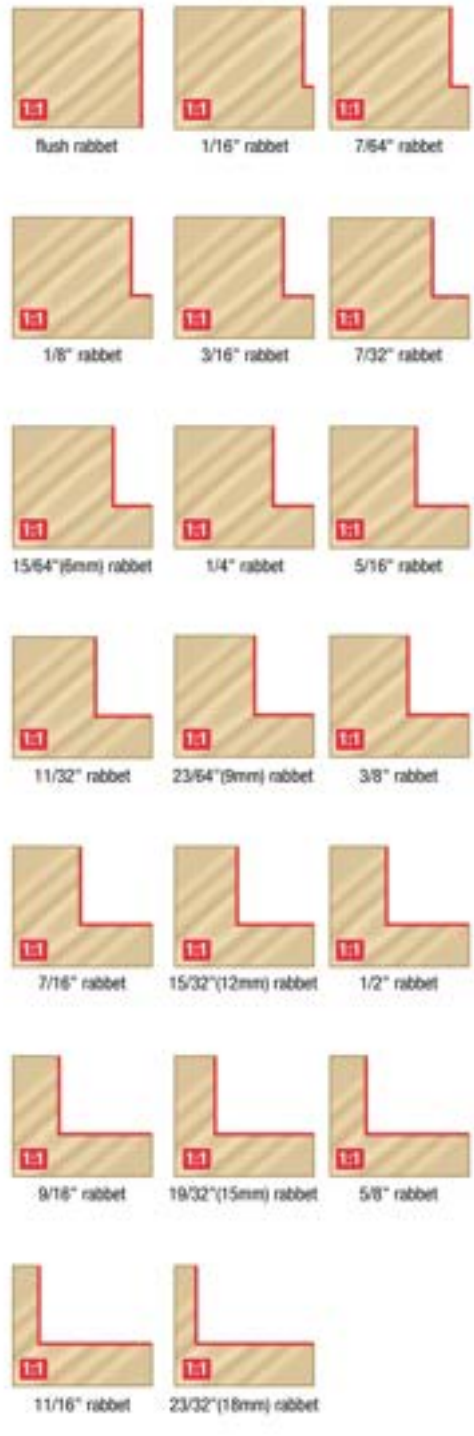
13 Different Depths With 1 Tool!
See Optional Collars on Next Page.

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

Collars and Kits



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.

4 FLUTE

MULTI-RABBET SET *New*

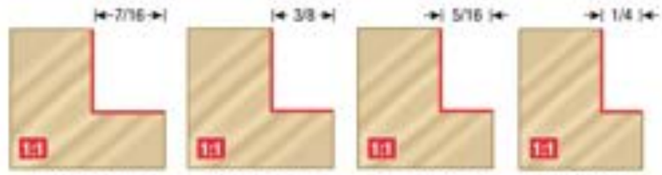
Carbide Tipped • Up-Shear • 4 Flute with Ball Bearing Guide

The Multi-Rabbet 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



7/16" rabbet use #47702 bearing

3/8" rabbet use #47706 bearing

5/16" rabbet use #47718 bearing

1/4" rabbet use #47720 bearing

4 FLUTE

MULTI-RABBET SET *New*

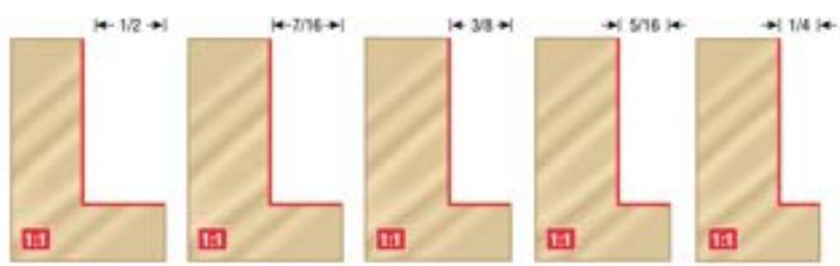
Carbide Tipped • Up-Shear • 4 Flute with Ball Bearing Guide

The Multi-Rabbet 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



1/2" rabbet use #47751 bearing

7/16" rabbet use #47701 bearing

3/8" rabbet use #47712 bearing

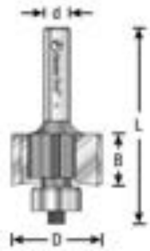
5/16" rabbet use #47714 bearing

1/4" rabbet use #47708 bearing

MULTI-RABBET SET *New*

Carbide Tipped • 3 Flute with Ball Bearing Guide

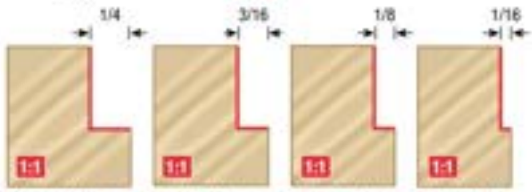
The Multi-Rabbet bit steps in 1/16" increments from a 1/4", simply by switching ball-bearing guides.
Four different bearings are provided. Depth of cut capacity of 1/4". Use in a handheld or table-mounted router.



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 *New*

Carbide Tipped • Down-Shear • 3 Flute with Ball Bearing Guide

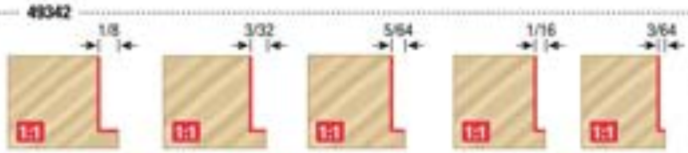
Special sets designed for Luthier. Each set includes five different ball bearings that will give five rabbet sizes (Ledge cut).

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

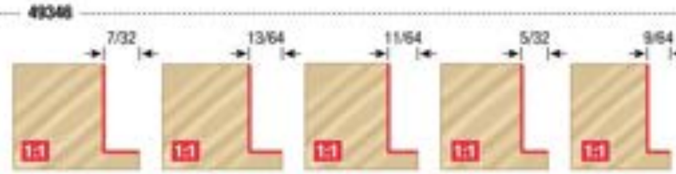
ØD	Replacement Bearings:
9mm	47660
10mm	47661
11mm	47662
12mm	47663
13mm	47664

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.**

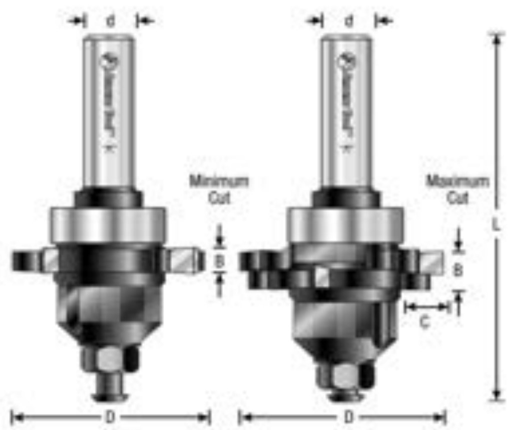
Available in two sizes:

- **#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



SLOTTING CUTTER ASSEMBLIES

Carbide Tipped

Groove edges for T-moldings, splines or biscuits, and other purposes. Rout tongue-and-groove joinery. Slotting cutters are available with either 2-wing or 3-wing cutters. 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 1/16 to 1/4)	**1/2	1/4 or 1/2	2-3/8

B	1/4" Shank 2-Wing Tool No.	1/4" Shank 3-Wing Tool No.	1/2" Shank 2-Wing Tool No.	1/2" Shank 3-Wing Tool No.
1/16	53300	53400	—	53400-1
5/64	—	53402	—	53402-1
3/32	—	53404	—	53404-1
1/8	53306	53406	53306-1	53406-1
5/32*	—	53407	53307-1	53407-1
3/16	—	53408	53308-1	53408-1
7/32	53309	53409	53309-1	53409-1
1/4	53310	53410	53310-1	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 Bearing 47708

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 New
1/2" Shank	47605 New

Repl. Arbor with Hex Nuts and Washer	Tool No.
6mm Shank x 5/16-24 NF Dia.	47600M New

47601 and 47605 include 3 washers: #67204, Nut: #67088, Bearing: #47708

Arbor sold separately.

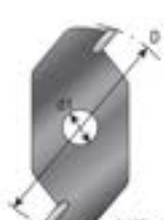
2 & 3 WING SLOTTING CUTTERS

Carbide Tipped

Two- and three-wing slotting cutters are available individually. Use a two-wing cutter for faster feed rates, three-wing cutters for better cut finish.

ØD	B Kerf	Ød1 Bore	2 Wing Tool No.	3 Wing Tool No.
1-7/8	1/16	5/16	53100	53200
1-7/8	5/64	5/16	53102	53202
1-7/8	3/32	5/16	—	53204
1-7/8	1/8	5/16	53106	53206
1-7/8	5/32	5/16	53107	53207 *
1-7/8	3/16	5/16	53108	53208
1-7/8	1/4	5/16	53110	53210

* 5/32" size also used for 'biscuit-joint' cutting. See above for complete assemblies including arbor and ball bearing guide. Arbor sold separately.



2-Wing

3-Wing

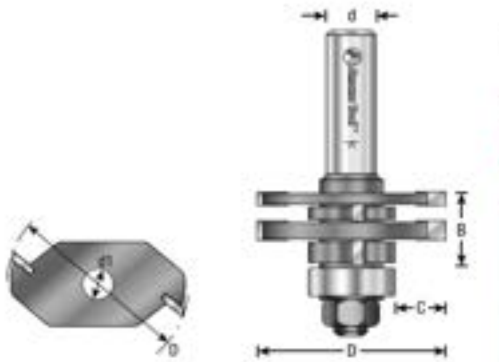
QUADRASET™ ADJUSTABLE SLOTTING ASSEMBLY

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 ♦
Extra 5/32 two-wing cutter only.						53107

Replacement parts: Bearing #47708; Arbor #47612.

* A full 3/4" cut can be achieved using one additional #53107 cutter (available separately).

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

Combined Cutters
7/32" to 23/32"
(Increments of 1/32")

Create grooves 1/8" to 23/32" by using up to four cutters (included).

Individual Cutters
1/4", 3/16", 5/32", 1/8"

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 204.

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	53610 ▲

▲ **Warning:** Maximum RPM ▲ =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

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

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

Warning: Maximum RPM =12,000

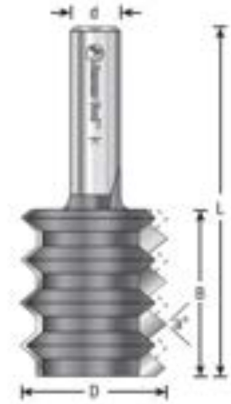
Replacement Parts

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.



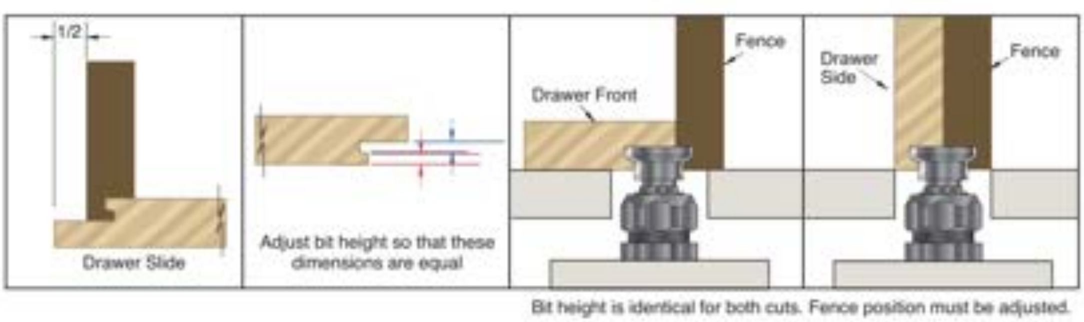
ØD	B	a°	Ød	L	Tool No.
1-3/8	1-37/64	80°	1/2	3-1/16	45790

DRAWER LOCK

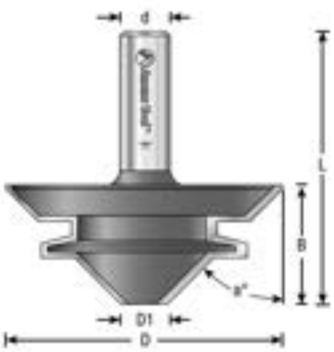
Carbide Tipped • 2 Flute

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 ▲

▲ **Warning:** Maximum RPM ▲ =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.

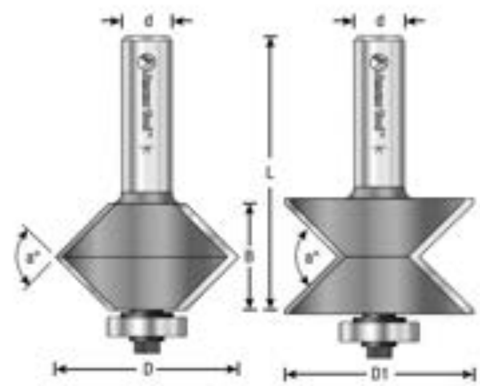
Carbide tipped for long life. For stock 3/4" to 1" in thickness.

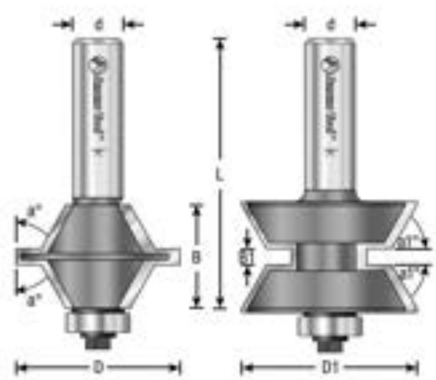
For use only in a table-mounted router.

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.

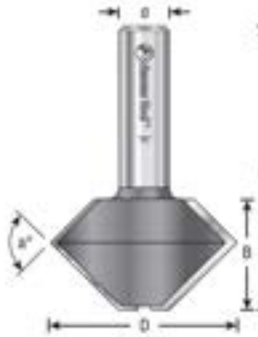




55466

55468

54270



54272

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
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
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
1-7/8	1-1/4	6 or 12	60°/30°	1/2	2-7/8	54274

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 shank, 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.

Assembly 'A' Assembly 'B'

Tongue is cut as shown in assembly 'A'.
For groove cut, reassemble the tool as shown in assembly 'B'.

Each Tongue & Groove Assembly includes
Full Color Instruction Manual

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 *
1-7/8	3/4	1/4	1/2	1/2	1/4	3	55407 +
1-5/8	1-1/8	7/16	3/8	1/2	1/4	3-5/16	55416 †

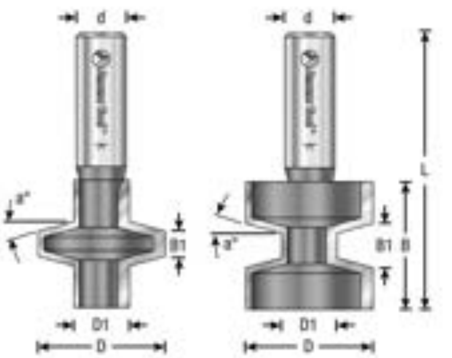
* Can be used on 3/8" through 1/2" thick material.
+ Can be used on 1/2" through 3/4" thick material.
† Can be used on 1/2" through 1-1/8" thick material.

Replacement Parts for Tongue & Groove:

Description	Order #
1/4" Kerf Cutters (2 required) for Tool #55400	55354
3/8" Kerf Cutters (2 required) for Tool #55401	55353
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

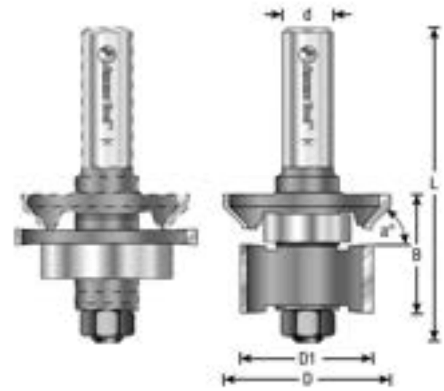
Each Ogee Window Sash & Rail Cutter includes
Full Color Instruction Manual

'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

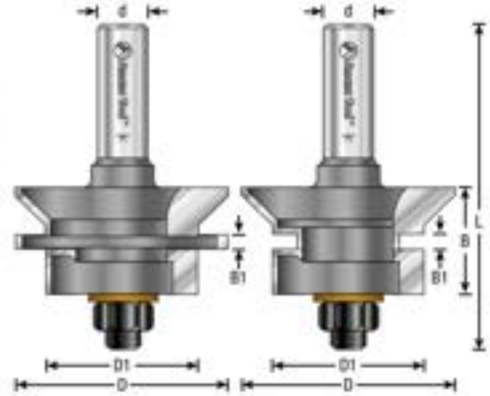


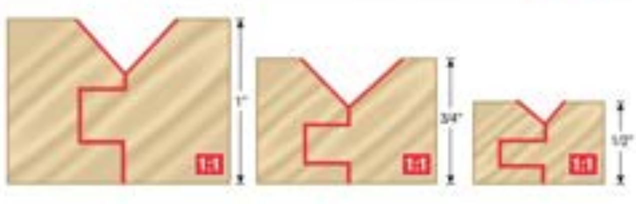
ADJUSTABLE 'V' PANEL SET

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





Flooring Solutions

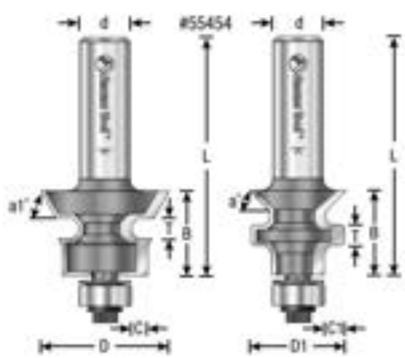
TONGUE & GROOVE FLOORING SETS

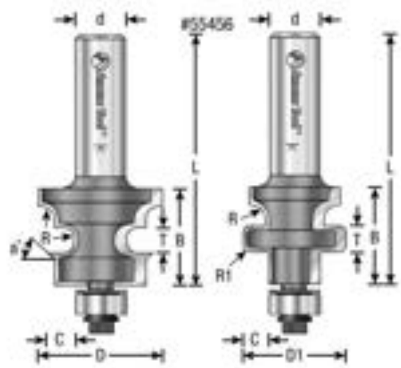
Carbide Tipped • 2 Flute with Nail Slot

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.





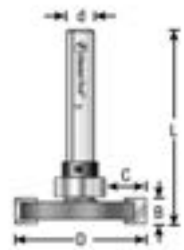
Tongue & Groove Shaper Cutters for Custom Wood Flooring

See page 361.

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 Bearing	Replacement Collar	Type	Tool No.
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
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).

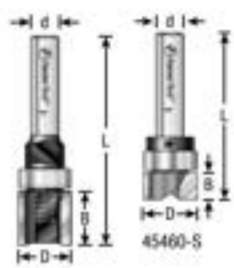
FLUSH TRIM PLUNGE TEMPLATE

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 Bearing	Replacement Collar	Tool No.
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 New
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 124 for additional flooring bits.
† Replaces Ocemco TA-170. See page 134 for more info.



47174 45460-S

47724-S 47720

Undercut Floor King™ Saw Blades For Crain® & Roberts® Saws
visit www.timberline-amana.com

INDUSTRIAL

Miniature

with 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

THE SMALLEST DIAMETER PLUNGE BIT WITH BALL BEARING IN THE INDUSTRY!

Carbide Tipped • Reach Tighter Corners Without Burn Marks!

We've created the smallest bearing guides in the industry! If you've often wanted to trim and shape small details in tight corners, but were disappointed by the scoring and burning left behind by solid pilot bits, we've got what you've been looking for: the most commonly used profiles in miniature sizes – complete with tiny miniature ball bearing guides. These bits are perfect for small fine work such as signs, lettering, small boxes, guitarmaking/luthier and toymaking!

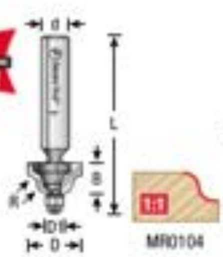
ØD	ØD1	R	R1	a°	B	B1	A	Ød	L	Description	Tool No.
5/16	3/16	—	—	—	1/2	—	1/16	1/4	2	Rabbet	MR0101
7/16	3/16	—	—	—	1/2	—	1/8	1/4	1-7/8	Rabbet	MR0100
3/16	3/16	—	—	—	7/16	—	—	1/8	1-23/32	Flush Trim	MR0105
3/16	3/16	—	—	—	7/16	—	—	1/4	2	Flush Trim	MR0102
3/16	3/16	—	—	—	3/4	—	—	1/4	2-7/16	Flush Trim	MR0103
9/16	3/16	3/32	—	—	5/16	—	—	1/4	1-7/8	Roman Ogee	MR0104
1/4	3/16	—	—	7°	3/8	—	—	1/4	1-7/8	Bevel Trim	MR0106
1/2	3/16	—	—	22.5°	1/2	—	—	1/4	1-7/8	Bevel Trim	MR0107
9/16	3/16	—	—	45°	1/4	—	—	1/4	1-7/8	Bevel Trim	MR0108
5/16	3/16	1/16	—	—	5/16	—	—	1/4	1-13/16	Corner Rounding	MRR108
3/8	3/16	3/32	—	—	3/8	—	—	1/4	1-13/16	Corner Rounding	MR0110
7/16	3/16	1/8	—	—	3/8	—	—	1/4	1-13/16	Corner Rounding	MR0112
1/2	3/16	5/32	—	—	3/8	—	—	1/4	1-13/16	Corner Rounding	MR0114
9/16	3/16	3/16	—	—	3/8	—	—	1/4	1-13/16	Corner Rounding	MRR110
11/16	3/16	1/4	—	—	13/32	—	—	1/4	1-7/8	Corner Rounding	MRR112

Replacement bearing #47775; Hex nut #67135; Lock washer #67129.

MR0100

MR0102

THE SMALLEST DIAMETER PLUNGE BIT WITH BALL BEARING IN THE INDUSTRY!



MR0104

MR0106

MR0110

MR0108

3-PC. MINIATURE PACK

1/4" SHANK

New

1/4" Shank • Carbide Tipped Router Bit Pack

Includes	Set No.
MR0108, MR0110 & MR0102	AMS-MRSET

⚠ **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.

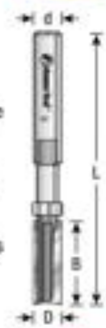
FLUSH TRIM PLUNGE TEMPLATE

Carbide Tipped with Mini Upper Ball Bearing Guide

Each Amana Tool® exclusive 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 cutting edge of each router bit is engineered from our exclusive carbide grade designed to deliver the highest quality of cut, maximum cutting efficiency prolonged tool life. 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 wood and plastics.



ØD	B	d	L	Repl. Bearing	Tool No.
3/16	1/2	1/8	2	47775 (3/16)	47220
3/16	1/2	1/4	2	47775 (3/16)	47222
3/16	1/4	1/4	1-3/4	47775 (3/16)	47222-S
1/4	1/8	1/4	2	47723 (2) (1/4)	47221-S New
1/4	1/4	1/8	1-15/16	47723 (1/4)	47223-S
1/4	3/4	1/4	2-7/16	47723 (1/4)	47224
1/4	1/4	1/4	1-15/16	47723 (1/4)	47224-S

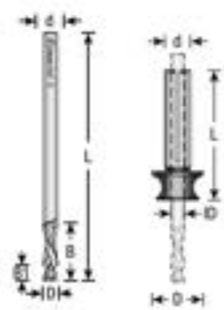
Attention: Due to extremely small diameter (D), reduce RPM and Feed Rates (IPM) by 30-50% to prevent tool breakage. Bits are not guaranteed due to extremely small diameter.

▲ **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

instile™ & RAIL SYSTEM

CUT PRECISE GROOVES TO PROVIDE UNDERSIZEDPLYWOOD 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 Instile & Rail System™ includes
Full Color Instruction Manual

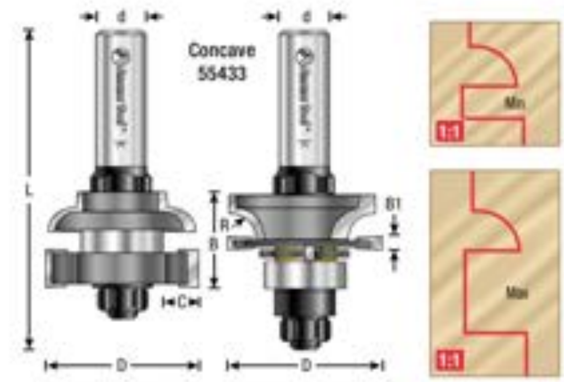
Watch Video Online
www.amanatool.com/videos

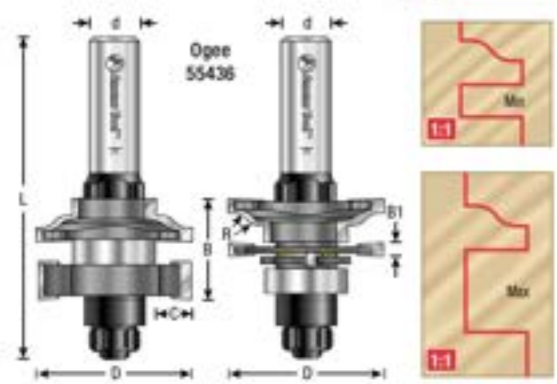
FLAT PANEL STILE & RAIL SETS

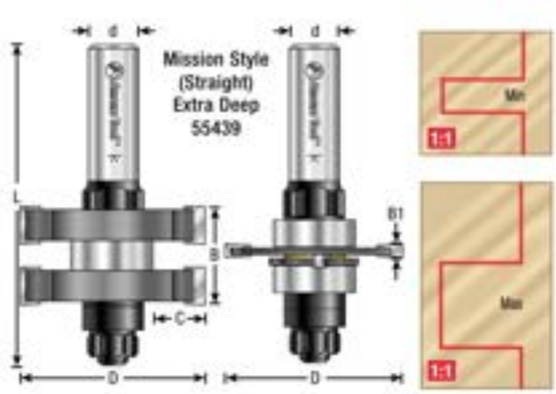
Carbide Tipped with Ball Bearing Guide • 5/8" to 1-1/4" Material

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 1/4" Plywood	B1 for 1/2" Plywood	C	Ød	L	Type	Tool No.
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 1-1/4	3/16 to 9/32	7/16 to 17/32	3/8	1/2	3-11/32	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







instile™ & RAIL SYSTEM

ADJUSTABLE MISSION STYLE TONGUE & GROOVE SET

Insert Carbide • For 5/8" to 1-3/16" Material

Adjust the panel groove width from 5.4mm to 6.6mm using the easy to use adjustment knob – no shims necessary.

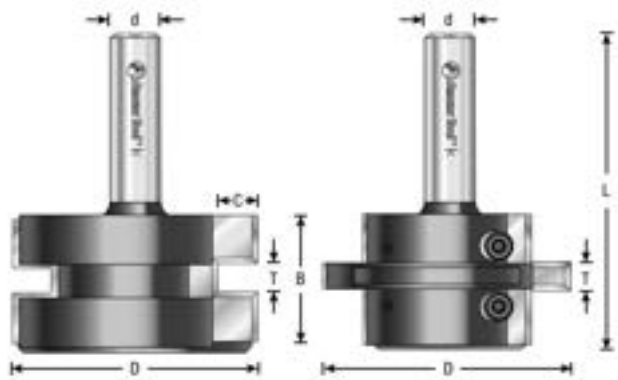
The perfect fix for undersized plywood flat panel "Mission Style, Arts & Crafts and Shaker" cabinet doors!

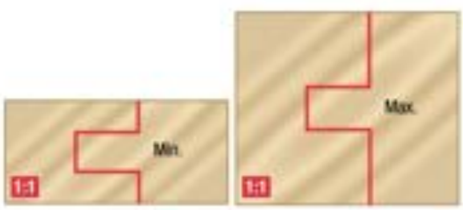
Set includes unique adjustment system

- 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).

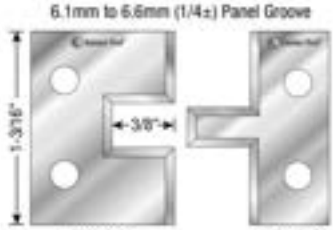
ØD	B	Ød	C	T	L	Max. RPM	Tool No.
2-3/8	1-3/16	1/2	3/8	6.1mm to 6.6mm(1/4±)	2-15/16	18,000	RC-4022

Replacement knives sold individually (2 replacement knives required per bit).
Replacement screw #67117 & key #5005.





6.1mm to 6.6mm (1/4±) Panel Groove



RCK-330 RCK-332

See Page 366 for Instile & Rail System™ Tongue & Groove Shaper Cutters Sets.

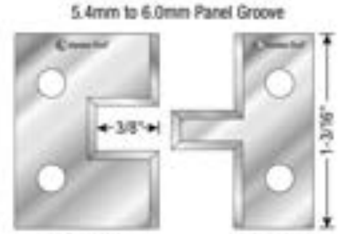
See Page 387 for Instile & Rail System™ Tongue & Groove Insert Carbide Shaper Cutter Set.

Top View

Optional Knives:

- For 5.5mm undersized 1/4" plywood.
- For 5.9mm oversized 1/4" veneered plywood.

5.4mm to 6.0mm Panel Groove



RCK-334 RCK-336

2-PIECE STILE & RAIL SETS

Carbide Tipped • 2-Wing with Ball Bearing Guide

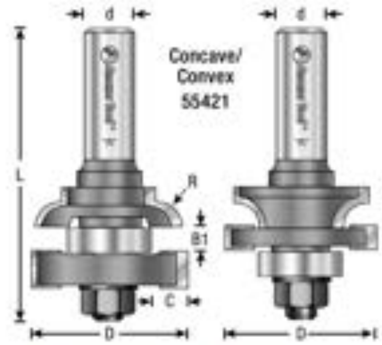
Our stile & rail sets give you two complete bits, one for doing the rail cuts, one for the stiles. Make cabinet doors and all varieties of frame-and-panel assemblies for furniture and architectural applications. These sets are offered in two configurations, one for working material up to 1" thick, the 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 this set 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

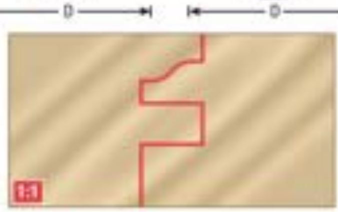
3/4" to 1" Material

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 to 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:	Qty. Required for Tool No.			
Description	55420	55430	55440	Order #
Ogee Profile Cutter	—	1	—	55352
Ogee Cope Cutter	—	1	1	55434
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.

ØD	Pattern 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.

STILE & RAIL SET

Insert Carbide • For 3/4" To 1-3/16" Material

Our stile & rail sets give you two complete bits, one for doing the rail cuts and one for the stiles. Make cabinet doors and all varieties of frame-and-panel assemblies for furniture and architectural applications.

ØD	B	B1	R	Ød	C	L	Max. RPM	Tool No.
2-5/8	1-11/64	1/4	1/4	1/2	3/8	3-1/8	18,000	RC-1130*

* Set comes with Ogee knives installed (#RCK-215 & #RCK-216).
Replacement parts: Screw #67117; Key #5005.

Additional Knives Sold Separately

Classical

RCK-213 RCK-214

Concave Convex

RCK-219 RCK-221

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 & DRAW EDGE FRONT FACE EDGE

Carbide Tipped • 2 Flute

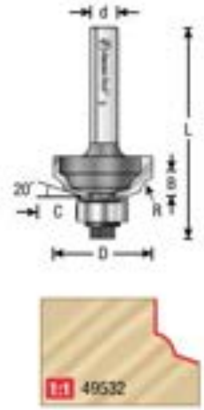
Cuts a decorative edge on cabinet fronts.
Shallow design will also work well with European hinges.

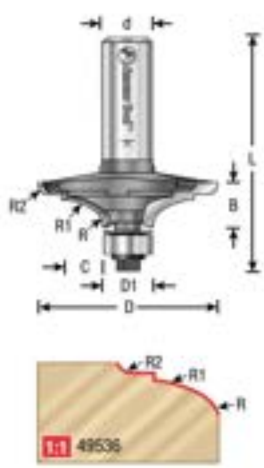
ØD	ØD1	R	R1	R2	B	C	Ød	L	Tool No.
1-1/4	1/2	5/64	—	—	3/8	3/8	1/2	1-7/8	49530
15/16	—	9/64	—	—	1/4	7/32	1/4	1-5/8	49532
1-1/4	—	7/32	9/64	—	7/16	3/8	1/2	2-25/64	49534
1-9/16	1/2	9/64	11/32	—	7/16	17/32	1/2	2-19/64	49535
1-3/4	1/2	7/64	17/32	3/32	7/16	5/8	1/2	2-1/2	49536
1-3/4	1/2	1/8	31/64	—	7/16	5/8	1/2	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





RAISED PANEL

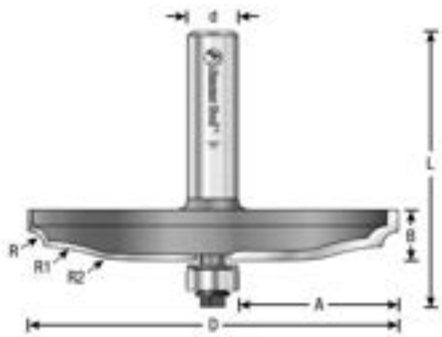
Carbide Tipped • 2 Flute with Ball Bearing Guide

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. All tools have 1/2" shanks. 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.



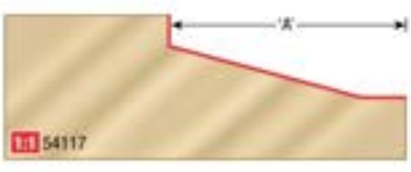
54113

Traditional

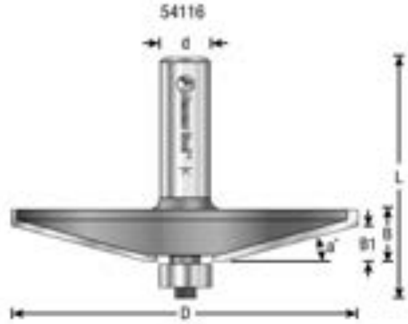
ØD	*'A' Reveal	a°	B	B1	Ød	L	Tool No.
1-5/8	*9/16	25°	1/2	—	1/2	2-3/8	54116
3-3/8	*1-7/16	15°	1/2	5/16	1/2	2-3/8	54117 ▲

Replacement bearing #47706.

▲ **Warning:** Maximum RPM ▲ =14,000



54116



54117

* **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.

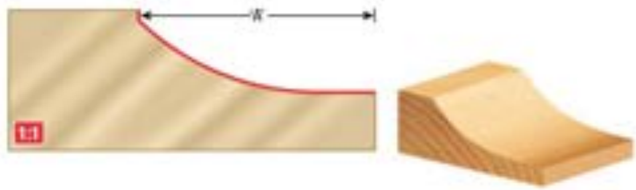
RAISED PANEL (CONT'D)

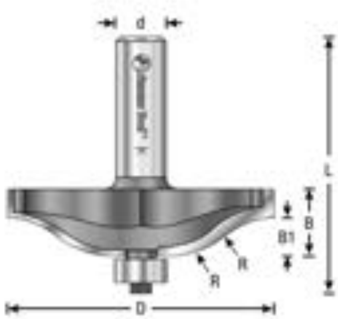
Cove

ØD	*"A" Reveal	R	B	Ød	L	Tool No.
3-3/8	*1-7/16	1-9/16	1/2	1/2	2-3/8	54119

Replacement bearing #47706.

Warning: Maximum RPM =14,000



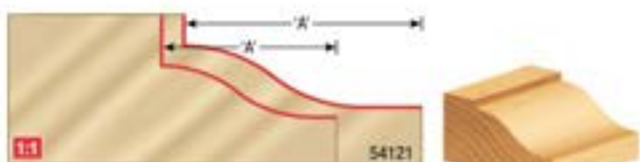


Ogee

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
3-3/8	*1-7/16	7/8	9/16	3/8	1/2	2-1/2	54121

Replacement bearing #47706.

Warning: Maximum RPM =14,000; =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 186 and 187.

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.

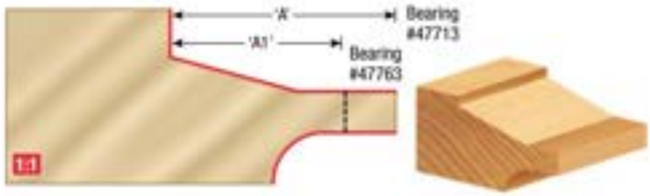
RAISED PANEL WITH BACK CUTTER

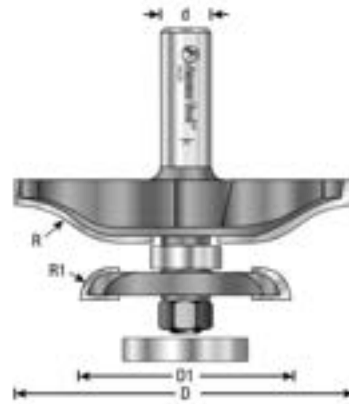
Carbide Tipped • 2 Flute with Ball Bearing Guide

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

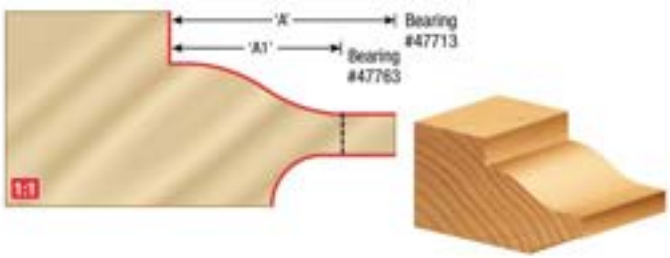
ØD	ØD1	'A'* Reveal	** 'A1'	a°	R	B	B1	Ød	L	Tool No.
3-3/8	2-1/8	1-3/8	1-1/16	15°	5/16	1-1/16	1/2	1/2	2-15/16	54227 ▲





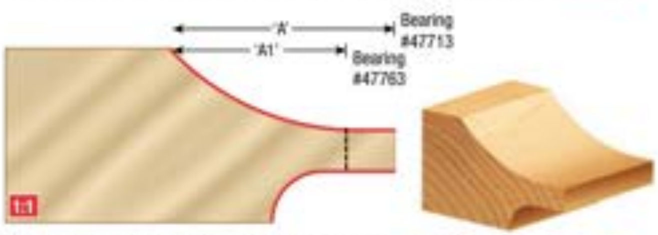
Ogee

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 ▲



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 ▲



* **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.

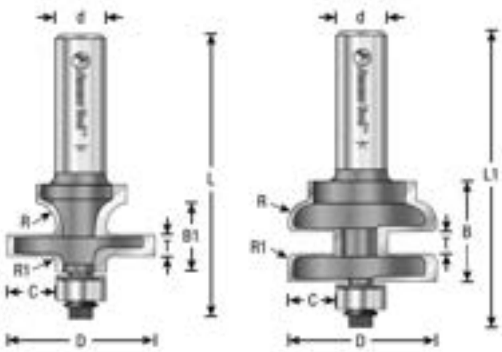
▲ **Warning:** Maximum RPM ▲ =12,000

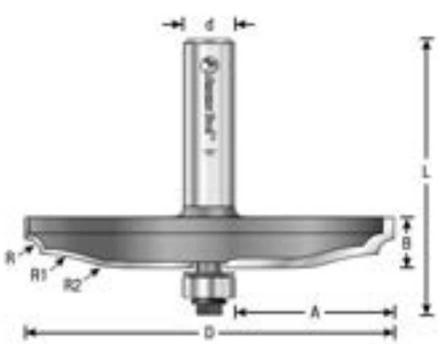
ARCHITECTURAL DOOR

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.



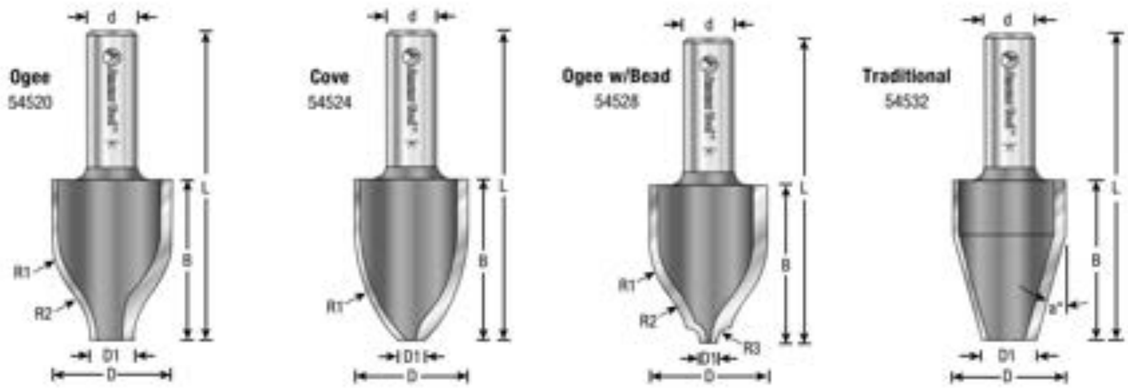


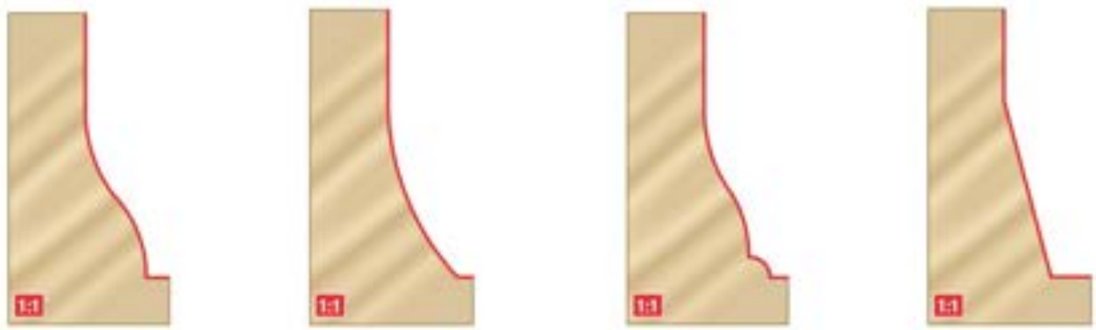
VERTICAL RAISED PANEL

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





INDUSTRIAL

MDF Cabinet Door

CNC Insert Router Bits

Plunge Form/ Door Edge

Raised Panel

- Long lasting insert knives provide superior smooth quality cuts every time
- Quick and precise replacements of dull knives
- Due to insert accuracy tool life is extended
- Insert tooling allows for harder grades of carbide
- Knives can be re-sharpened multiple times without affecting the original profile
- Cost effective solution compared to replacing brazed router bits

THE ULTIMATE SOLUTION FOR MDF DOOR MAKING!

Excellent for cutting MDF & Wood

Series of profiles utilizing our Nova™ Tool body system of interchangeable solid carbide knives (see pages 154-155) are designed to give the appearance of a Raised Panel door in MDF or solid panels

- Insert solid carbide lasting interchangeable knives
- Nova™ Tool body system

ØD	D1	B	B1	Style	Ød	L	Repl. Knife	Tool No.
3/4	7/16	7/16	1/8	Cove & Bead	1/2	2-5/8	RCK-490	RC-2490
25/32	7/16	23/64	3/16	Bead	1/2	2-5/8	RCK-480	RC-2480
25/32	7/16	15/32	—	Ogee	1/2	2-5/8	RCK-481	RC-2481
25/32	7/16	7/16	1/4	Ogee	1/2	2-5/8	RCK-482	RC-2482
27/32	7/16	19/64	7/64	Bead	1/2	2-5/8	RCK-494	RC-2494
1-17/64	7/16	27/64	—	Ogee	1/2	2-5/8	RCK-496	RC-2496
1-11/32	7/16	19/64	—	Corner Rounding	1/2	2-5/8	RCK-498	RC-2498
1-11/32	7/16	23/64	—	Classical Cove	1/2	2-5/8	RCK-499	RC-2499
1-3/8	15/32	25/64	—	Traditional	1/2	2-5/8	RCK-483	RC-2483
1-7/64	7/16	1/4	7/64	Ogee	1/2	2-5/8	RCK-484	RC-2484
1-11/32	23/64	17/64	—	Cove	1/2	2-5/8	RCK-485	RC-2485
1-11/32	25/64	21/64	—	Traditional	1/2	2-5/8	RCK-486	RC-2486

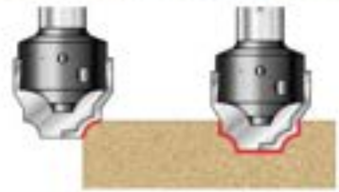
Each tool includes 2 knives. Tool body #NS-102.

Replacement knives are interchangeable and may be purchased separately.

CREATE SIMULATED MDF CABINET DOORS

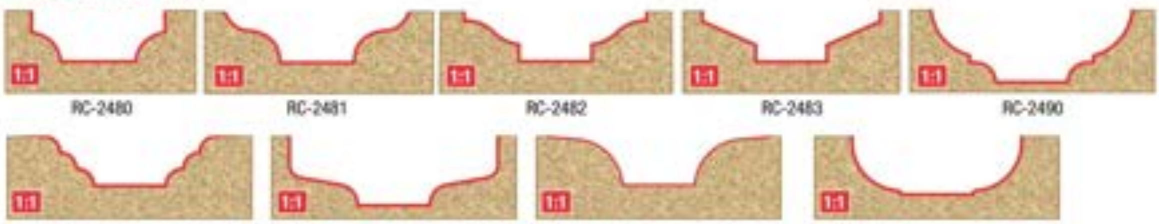
Insert Carbide for Cabinet Simulated Raised Panel & Door Edge

Give the appearance of a Raised Panel door in MDF or solid panels. One pass is all that is needed for a simple raised panel look using one of the "Plunge Form" profiles. Replacement knives are MDF Grade Carbide and will last much longer than standard brazed carbide tipped bits.



Create the door edge and plunge with the same tool.

Plunge Form/Door Edge



RC-2480 RC-2481 RC-2482 RC-2483 RC-2490

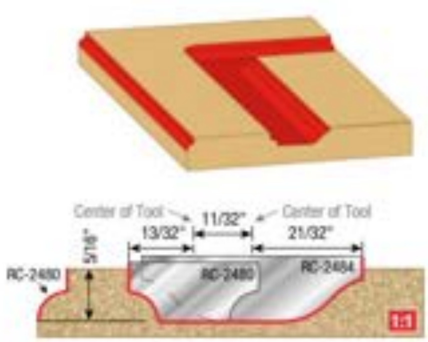
RC-2494 RC-2496 RC-2498 RC-2499

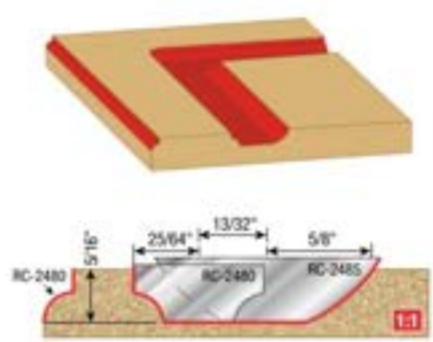
Raised Panel

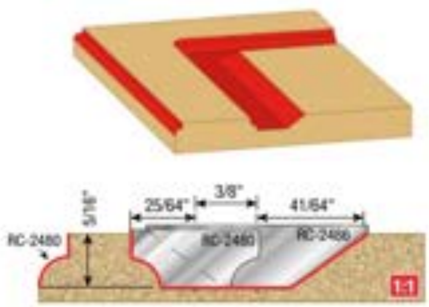
RC-2484 RC-2485 RC-2486

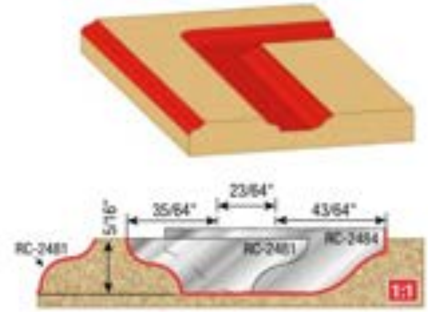
CREATE A MORE AUTHENTIC RAISED PANEL WITH A DEEPER REVEAL

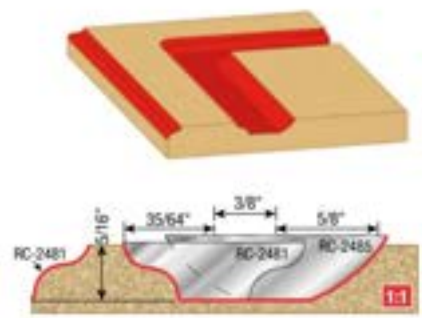
Use one of the many "Raised Panel" profiles in conjunction with the "Plunge Form" profile for one pass each. Complete the look with one pass of the door edge using any "Plunge Form" bit.

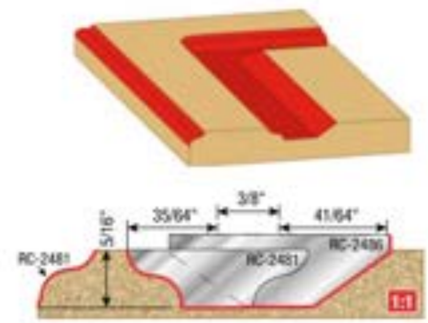


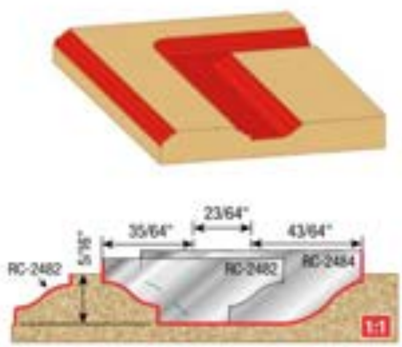


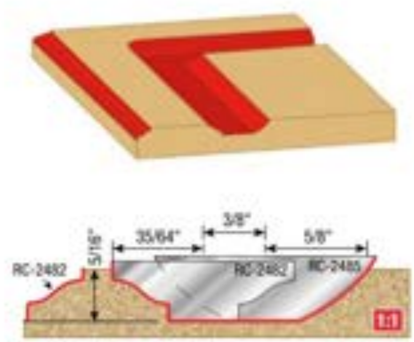


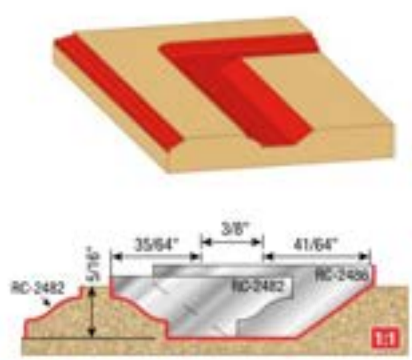


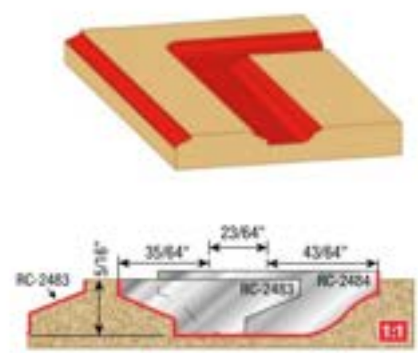




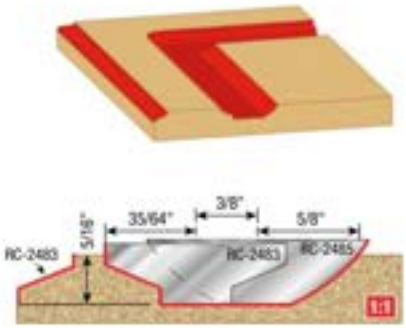


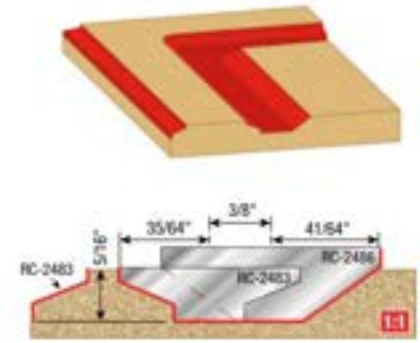


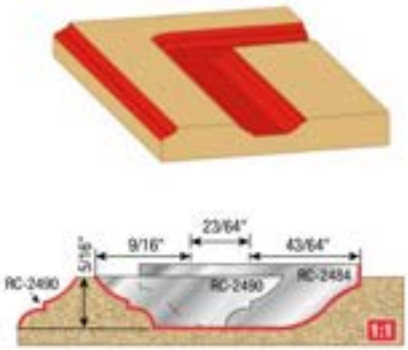


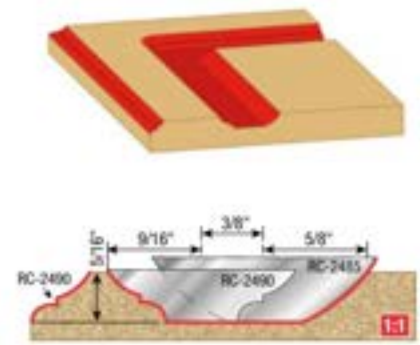


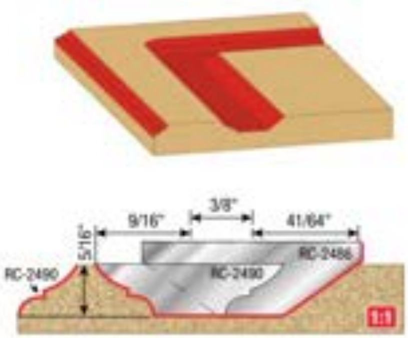
CNC feed and speed available online

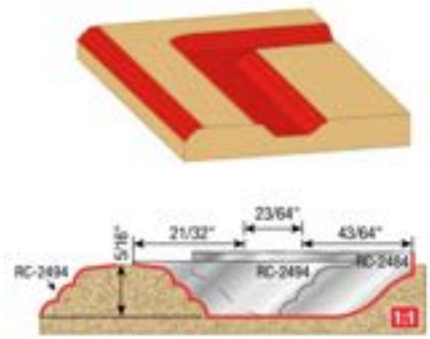


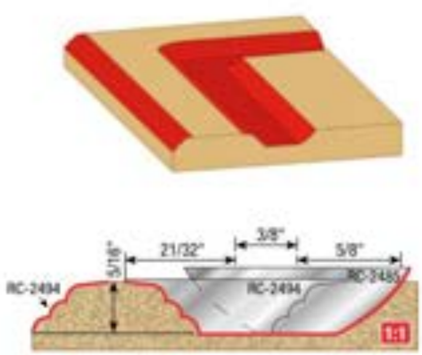


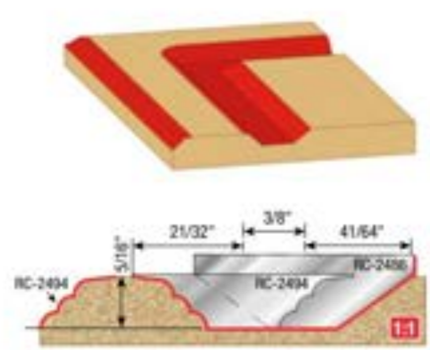




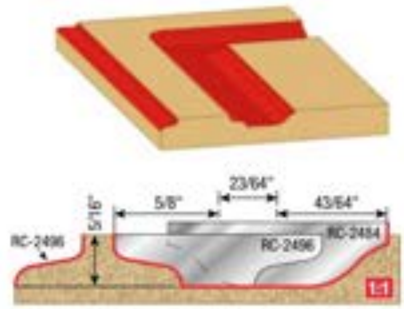


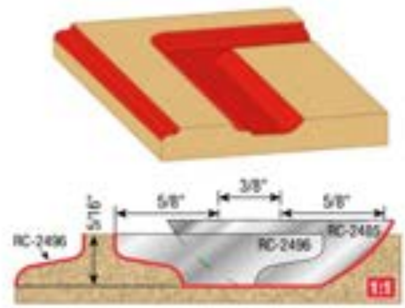


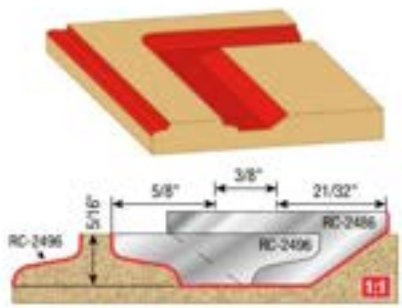


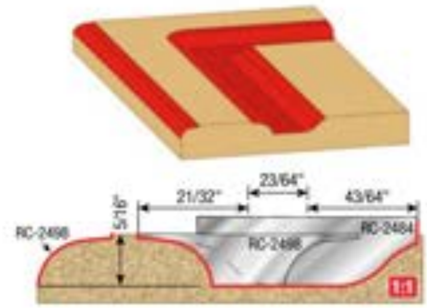


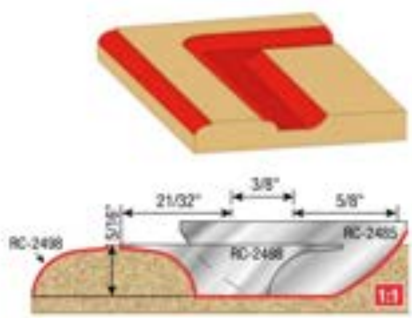
CNC feed and speed available online

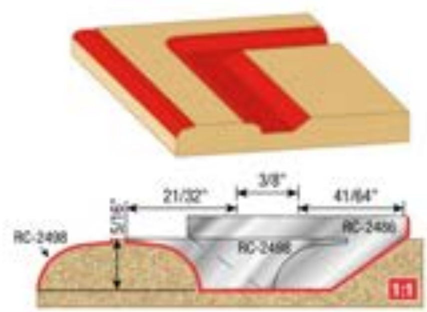


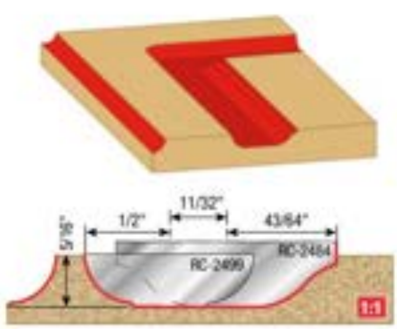


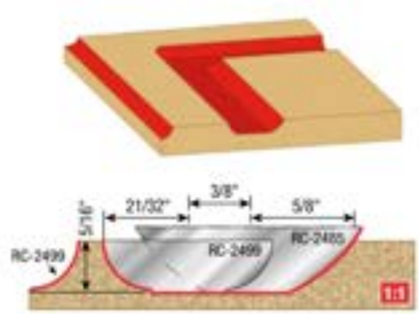












CNC feed and speed available online

CNC MULTI PROFILE

Insert Carbide • For MDF and Wood Cabinet Doors

VIOLA STYLE

W = width of the frame.
H = maximum depth of the frame.

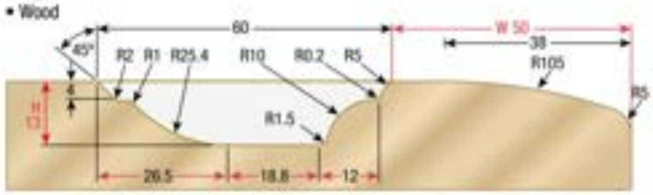
The dimension W determines the frame width.
The dimension H determines the profile depth.

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.

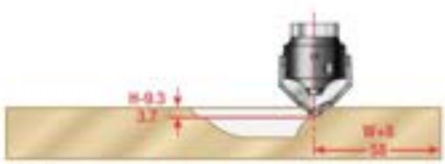
Excellent for Cutting:

- MDF
- Wood



Repl. Knife
RCK-190

ØD	B	L	Ød	Tool No
56mm(2-1/4)	25mm(1)	109mm(4-5/16)	3/4	RC-2450



Repl. Knife
RCK-194

ØD	B	L	Ød	Tool No
32mm(1-9/32)	24mm(15/16)	2-5/8	1/2	RC-2453

Repl. Knife
RCK-324

ØD	B	L	Ød	Tool No.
106mm(4-3/16)	20mm(7/8)	99.5mm(3-29/32)	3/4	RC-4070

Warning: Maximum RPM=10,000

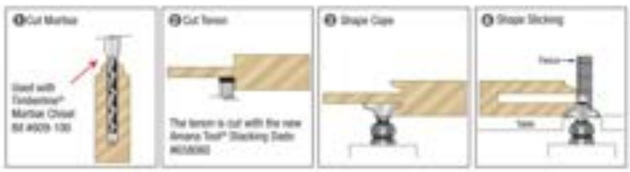
CNC feed and speed available online

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

47511

54131

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.


Entry Door Screen Door

47513

54173

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

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.

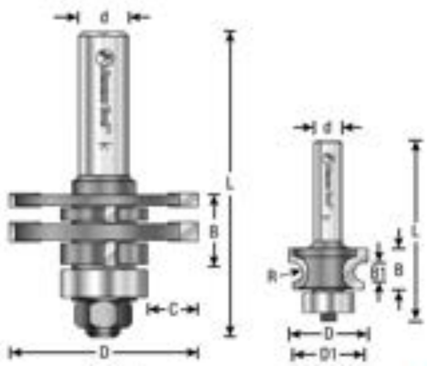
47515

54175

You'll need just two bits:
the **Quadraset #53600** and **Corner Bead #54163**.

CONSTRUCT YOUR OWN WAINSCOT DOOR

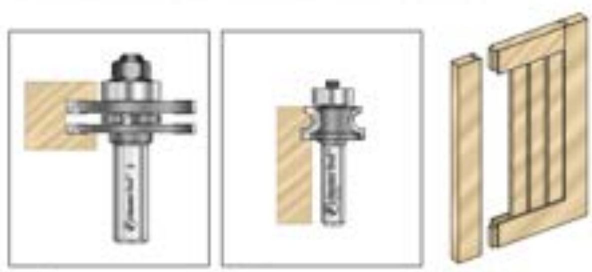
Wainscot doors can be a beautiful addition to an informal, country style kitchen; their beaded panels are reminiscent of times long past.



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

HISTORICAL SHAKER DOOR

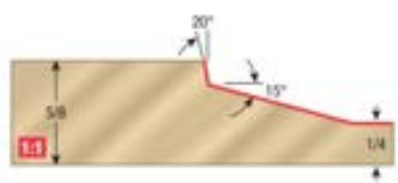
Carbide Tipped • 2 Flute

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	R	B1	Ød	L	Type	Tool No.
2-13/16	1	33/64	—	—	1/2	2-1/64	Raised Panel	54133

54133



INDUSTRIAL

Tambours

No Cloth, Glue or Wires!

Set #54314

TAMBOUR DOOR SET

U.S. Patent No. 7,810,532

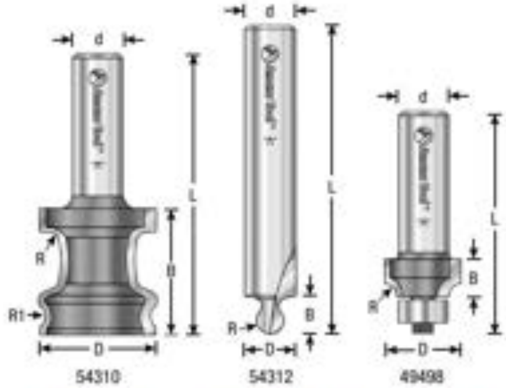
Carbide Tipped • 2 Flute

- **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:						54314
1-3/16	1/8	5/64	1-1/4	1/2	2-3/4	54310
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 & DVD

1. How to make a tambour door.
2. How to make a breadbox.

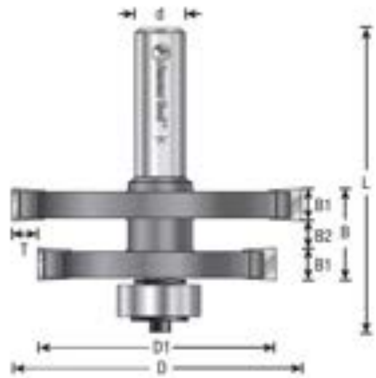
Watch Video Online

http://www.amanatool.com/videos

OFFSET MORTISE-AND-TENON FOR MISSION STYLE GLASS DOOR

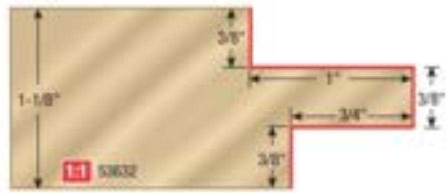
Carbide Tipped • 2 Flute

The strongest construction method for making doors is the mortise-and-tenon joint. These new bits allow you to make tenons with offset shoulders. This makes it easy to construct offset mortise-and-tenon joints for Mission Style glass doors.



ØD	ØD1	B	B1	B2	T	Ød	L	Use Mortise	Tool No.
2-7/8	2-3/8	1-1/8	3/8	3/8	1/4	1/2	2-5/8	609-120	53632

Replacement parts: Bearing #47706; Screw #67090; Key #5004.



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 ▲

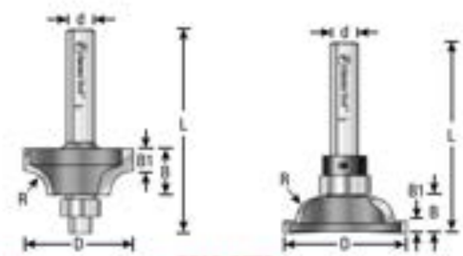
▲ **Warning:** Maximum RPM ▲ =12,000

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).

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.

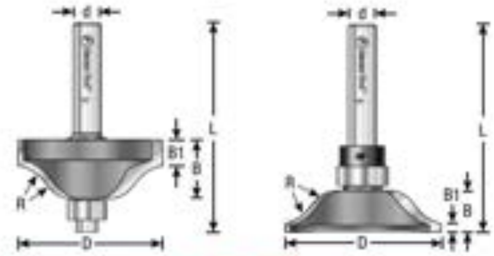


BEAD SETS

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

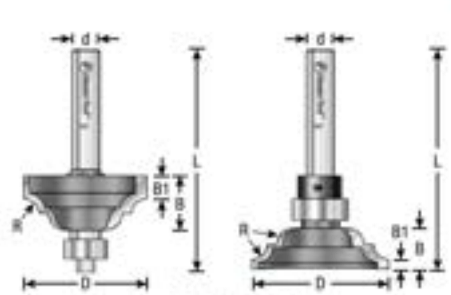


OGEE SETS

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



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. All bits 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 New

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

Solid Surface

INDUSTRIAL Router Bits

⚠ **Warning**: Before use, read router bit safety guidelines on pages 276-278.

FOR FABRICATING SOLID SURFACE MATERIALS

Wilsonart®, Gibraltar®, Corian®, Surell®, Fountainhead®, Avonite®, Etc.

Recommended by:

WILSONART INTERNATIONAL

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.

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.

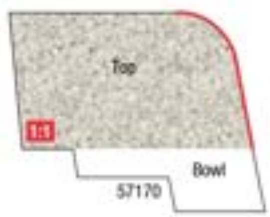
ROUND OVER

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).



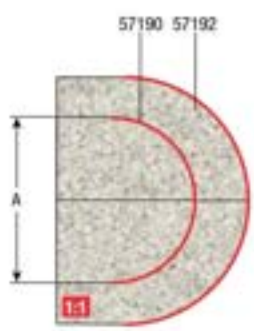
CORNER ROUNDING

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).



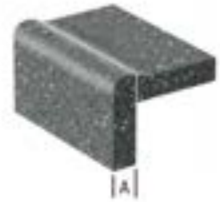
CORNER ROUNDING

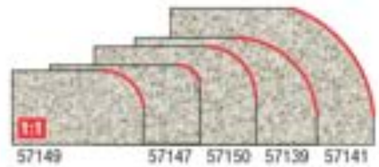
Carbide Tipped • 2 Flute with Ultra-Glide™ Ball Bearing Guide Assembly

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.

OD	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
1-1/8	3/4	5/16	1/2	1/2	2-1/4	57152
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

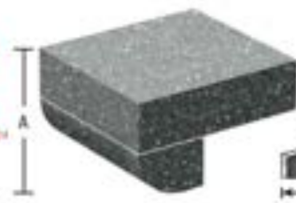
Round the lower edge of a counter with the router resting on the upper surface. No need to turn the heavy material over. This tool is especially useful for "job-site" work.

(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.

OD	A	R	B	Ød	L	Tool No.
2-5/8	1-1/2	3/4	1	1/2	3	57140 ⚠

Replacement parts: Ultra-Glide™ bearing #47737; Collar #47740.

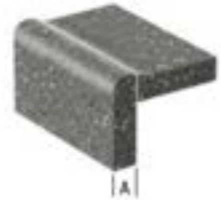
⚠ **Warning:** Maximum RPM ⚠ =14,000

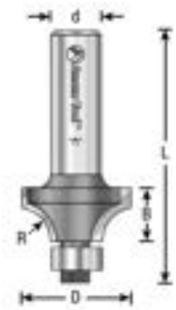


CORNER ROUNDING

Carbide Tipped • 2 Flute with Ultra-Glide™ Ball Bearing Guide Assembly

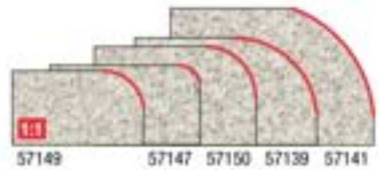
Use this bit for rounding edges where there's access to a flat surface for the Ultra-Glide™ non-marring bearing to reference. Used in concert with either the Counter-top ('No-Drip') Design bit or the corner-rounding bit with a radius bearing, this bit will produce a no-drip edge or a bullnose in two 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
1-1/8	3/4	5/16	1/2	1/2	2-1/4	57152
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

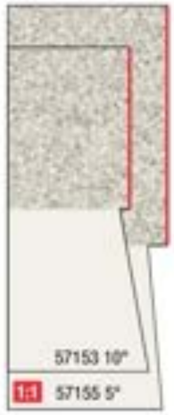
Round the lower edge of a counter with the router resting on the upper surface. No need to turn the heavy material over. This tool is especially useful for "job-site" work.

(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.
2-1/8	1	1/2	3/4	1/2	2-7/8	57138
2-5/8	1-1/2	3/4	1	1/2	3	57140 ▲

Replacement parts: Ultra-Glide™ bearing #47737; Collar #47740.

▲ **Warning:** Maximum RPM ▲ =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

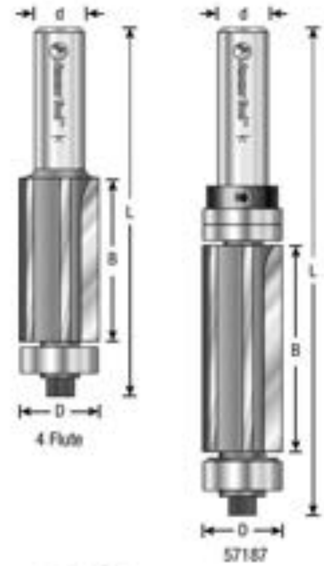
For a super-smooth cut finish with a flush trimming bit, use one with four flutes. Feed rate is reduced, but chipping is virtually eliminated.

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.



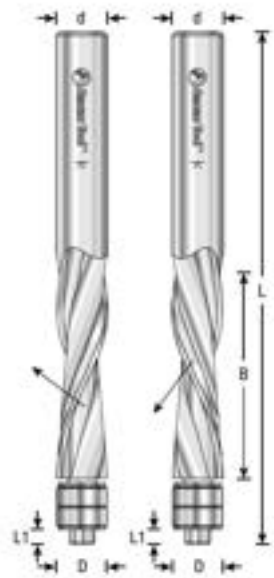
ULTRATRIM™ SPIRAL TRIM

Solid Carbide • 2 Flute with Double Ball Bearing Guide

For the ultimate, chip-free finish in solid-surface, laminate, and melamine, and for template work of all kinds, use this solid carbide up-spiral bit. The twin ball-bearing pilot enhances the stability of the tool.

ØD	B	Ød	L	L1	'Up-cut' Tool No.	'Down-cut' Tool No.
1/2	1-1/4	1/2	4	5/32	46300	46400
1/2	2	1/2	5	5/32	46304	46404

Replacement bearing: use #47701 (2).
Lock ring: use #47752.
Washer: use #67053.

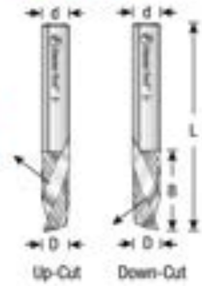


- Razor sharp cutting edge
- Effortless chip removal
- Helps prevent chip re-welding
- Extends tool life
- Exceptional cut quality

CNC PLASTIC CUTTING SPIRAL 'O' FLUTE

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

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



Excellent for Cutting:

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

ØD	B	Ød	L	'Up-Cut' Tool No.	'Down-Cut' Tool No.
1/16	1/4	1/8	2	51415 †	51515 †
1/16	1/4	1/4	2	51441	—
3/32	1/4	1/8	2	51647 † New	—
1/8	1/4	1/8	2	51443 †	—
1/8	3/4	1/8	2	51437 †	—
1/8	1/4	1/4	2	51416	—
1/8	5/16	1/4	1-1/2	—	51523
1/8	5/16	1/8	2	51453 †	—
1/8	1/2	1/8	2	51410 †	51510 †
1/8	1/2	1/4	2	51411	51511
1/8	5/8	1/4	2-1/2	51445	—
1/8	3/4	1/4	2-1/2	51446	—
5/32	9/16	1/4	2	51447	51516
3/16	3/8	3/16	2	51448	51518
3/16	3/8	1/4	2	51449	—
3/16	5/8	3/16	2	51412	51512
3/16	5/8	1/4	2	51417	51517
3/16	5/8	1/4	2-1/2	51423	—
3/16	7/8	1/4	2-1/2	51442	—
3/16	1-1/4	1/4	3	51418	—
7/32	3/4	1/4	2-1/2	51424	—
1/4	3/8	1/4	2	51425	51519
1/4	5/8	1/4	2	51419	—
1/4	3/4	1/4	2	51404	51504
1/4	3/4	1/4	2-1/2	51421	51524
1/4	7/8	1/4	2-1/2	51444	—
1/4	1	1/4	2-1/2	51405	51505
1/4	1-1/16	1/4	3	51409	—
1/4	1-1/4	1/4	3	51407	51507
1/4	1-3/8	1/4	3	51403	—
1/4	1-1/2	1/4	3	51413	51513
1/4	2-1/4	1/4	3-3/4	51646	—
3/8	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-Packs Includes	Tool No.
51404-5 (5 Pcs. each)	51404-5
51405-5 (5 Pcs. each)	51405-5
51410-5 (5 Pcs. each)	51410-5
51411-5 (5 Pcs. each)	51411-5

5-Packs Includes	Tool No. New
51417-5 (5 Pcs. each)	51417-5
51446-5 (5 Pcs. each)	51446-5
51511-5 (5 Pcs. each)	51511-5

CNC feed and speed available online

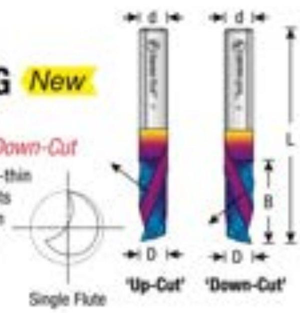
CNC Sets
See page 28

SPEKTRA
EXTREME TOOL LIFE COATING

CNC PLASTIC CUTTING SPIRAL 'O' FLUTE *New*

Solid Carbide • Single Flute • Up & Down-Cut

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



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 †
1/16	1/4	1/4	2	51441-K	—
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	—
3/16	5/8	3/16	2	51412-K	—
3/16	5/8	1/4	2	51417-K	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
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	1-1/4	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	—
3/8	1-1/8	3/8	3	51414-K	—
3/8	1-5/8	3/8	3-1/2	51427-K	—
1/2	1-5/8	1/2	3-1/2	51428-K	—
8-Pc Spektra Set (item numbers available online)					AMS-165-K
5-Pc Spektra Set (item numbers available online)					AMS-166-K
2-Pc Spektra Pack (includes 51404-K, 51411-K)					AMS-195-K

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

Mirror FINISH

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

Set #AMS-165-K

Improved Surface Finish **New**
Visit www.amanatool.com #57362-K

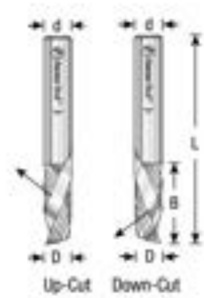
METRIC CNC PLASTIC CUTTING SPIRAL 'O' FLUTE

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

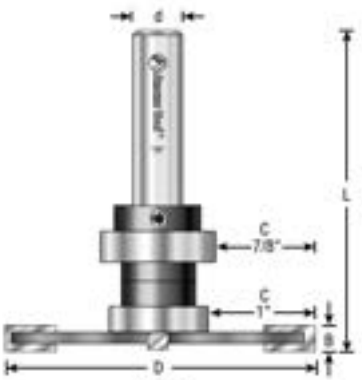
Mirror FINISH

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

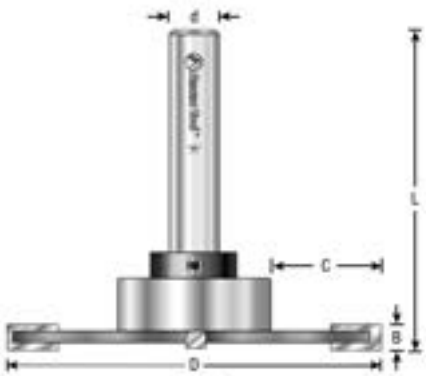
ØD	B	Ød	L	'Up-Cut' Tool No.	'Down-Cut' Tool No.	ØD	B	Ød	L	'Up-Cut' Tool No.	'Down-Cut' Tool No.
2mm	6mm	3mm	50mm	51634	—	5mm	16mm	6mm	64mm	57321	57332
2mm	8mm	2mm	50mm	57310	—	5mm	30mm	5mm	64mm	57322	—
2mm	8mm	6mm	64mm	57311	—	6mm	8mm	6mm	64mm	57323	—
2.5mm	8mm	2.5mm	50mm	57312	—	6mm	12mm	6mm	64mm	57324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



CNC feed and speed available online



57165



57166

CUT-OUT

Carbide Tipped • 4-Wing

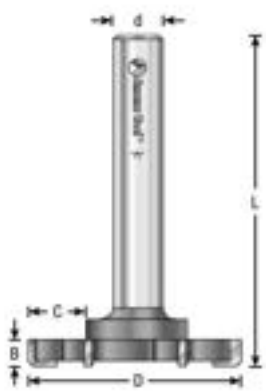
Use for cutting out under-mount bowls, Surell® Fountainhead® and other solid surface under-mount bowls. For Corian® bowls, must be used with a Corian® bowl template.

ØD	B	C	Ød	L	Tool No.
3	3/16	7/8 & 1	1/2	3-5/32	57165 ▲
3-5/8	1/4	1	1/2	3-9/32	57166 ▲

Bearing	Spacer	Collar	Key	Tool No.
47745, 47747	55371	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 ▲ =12,000



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

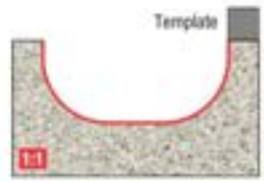
COVE/BACKSPLASH

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.

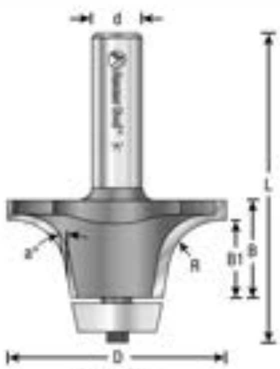


DRAIN-BOARD

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.
5/8	1/2	1/8	1/2	2	57115
3/4	1/2	1/8	1/2	2	57116



Round Over

UNDERMOUNT BOWL

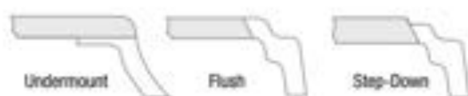
Carbide Tipped • 2 Flute with Ultra Glide™ Ball Bearing Guide

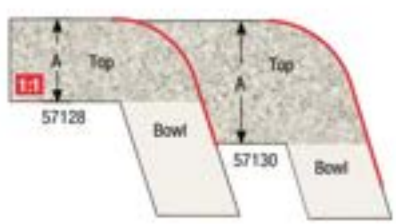
These bits prepare and/or finish counter-top edges in conjunction with undermount bowl installations. The round over and ogee bits trim and profile the counter-top edges after the bowl is mounted. The bevel bit trims the sink cut-out flush with an installed undermount bowl, but it also can be used with 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).

Bevel





UNDERMOUNT BOWL

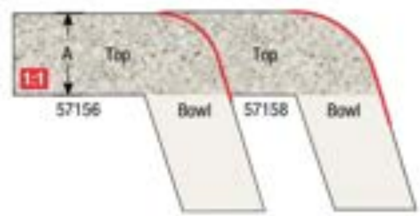
Carbide Tipped • 2 Flute with Ultra Glide™ Ball Bearing Guide

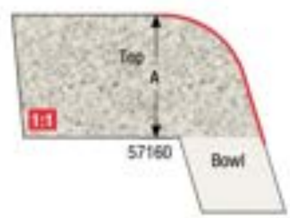
For Corian® Bowl #'s 874S, 810AS, 850, 857B, 859S, 871S, 872S, 891S & 893S

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.

OD	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 #L060

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.
1-3/16	1/2 or 3/4	11.5°	1	1/2	3-1/8	Bevel	57169
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
2-3/8	1/2 or 3/4	45°	13/16	1/2	2-7/8	Bevel	57163

* 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).

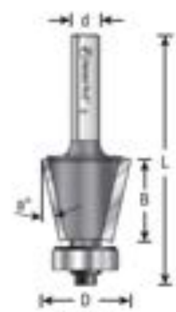
Steel ball bearing #47718 (fits #49409).

Ultra-Glide™ bearing #47765 (fits #57163), Screw #67147.

Ultra-Glide™ bearing #47797, Screw #67147, Key #5009.

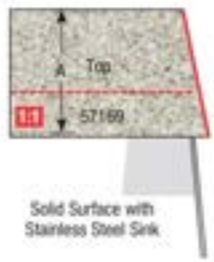
57169
Bevel

57155
Flush

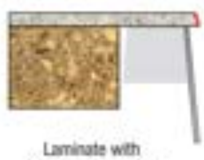


49409
Bevel

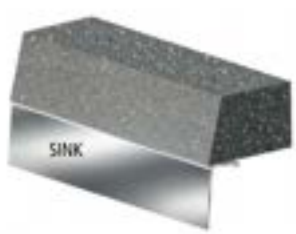
57163
Bevel



Solid Surface with Stainless Steel Sink



Laminate with Stainless Steel Sink



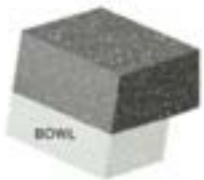
WILSONART® BOWL

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.

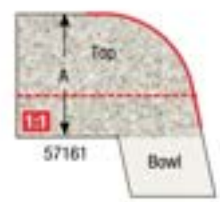
Bevel

Round Over



ØD	a°	R	Counter-top 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 • 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.

1-Flute Plunge

2-Flute Bevel

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 ▲

Replacement Ultra-Glide™ bearing #47707.

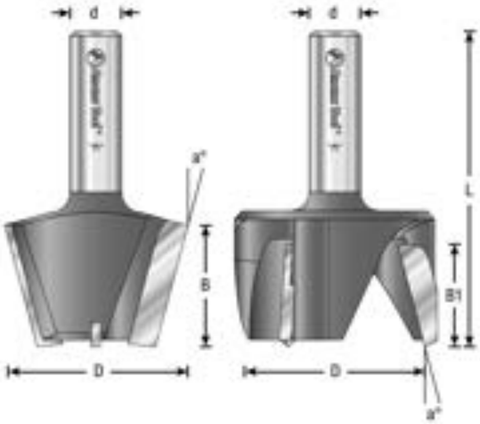
▲ **Warning:** Maximum RPM ▲ =12,000

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

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.

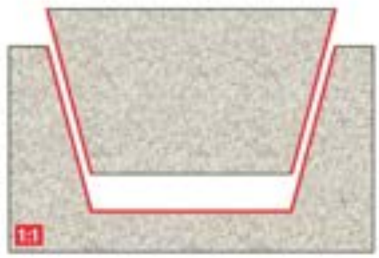
Using Plunging Router

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



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
DRB-400	48, 125	47706	—	67018	—	—	—	—	—	—	—
MR0100 to MR0114	210	47775	—	—	—	67129	—	—	—	—	67135
RC-1000 to RC-1006	126	47711	—	67170 (3)	—	—	—	—	—	—	—
RC-1008	132	47712	—	67115 (3)	—	—	—	—	—	—	—
RC-1014	132	47701	—	67115 (3)	—	—	—	—	—	—	—
RC-1230	124	—	—	—	—	—	—	—	—	—	—
RC-2000	125, 126	47706	67016 (2)	67018	—	—	—	—	—	—	—
RC-2400	124	—	—	—	—	—	—	—	—	—	—
RC-3400	7	—	—	67057	—	—	—	—	—	—	—
RC-45226	91, 171	—	—	67013	—	—	—	—	—	—	—
RC-45910	141, 171	47701	—	—	—	—	—	—	—	—	—
RC-47134	125, 171	47706	67013 (2)	67011	—	—	—	—	—	—	—
RC-49104	157, 171	47706	—	67011	—	—	—	—	—	—	—
RC-49300	171, 190	47706	—	67011	—	—	—	—	—	—	—
RC-49355	192	—	67094	67094	—	67202	—	—	—	—	—
RC-49360	192	See Page	—	67094	—	67202	—	—	—	—	—
RC-49496, RC-49504	150, 171	47706	—	67011	—	—	—	—	—	—	—
RC-54111	164, 171	47706	—	67011	—	—	—	—	—	—	—
44100	41	47706 (2)	—	—	67098	—	—	—	—	—	67086
45380 to 45384	122, 123	47721	—	—	—	—	—	47739	—	—	—
45460, 45461	122	47701	—	—	—	—	—	47724	67091	—	—
45460-S	124, 209	47701	—	—	—	—	—	47724	67091	—	—
45462	122	47712	—	—	—	—	—	47724	67091	—	—
45462-S	124	47712	—	—	—	—	—	47724	67091	—	—
45463	122	47721	—	—	—	—	—	47739	67091	—	—
45464	122	47714	—	—	—	—	—	47724	67091	—	—
45464-S	124	47714	—	—	—	—	—	47724	67091	—	—
45465	122	47721	—	—	—	—	—	47739	67091	—	—
45466	122	47722	—	—	—	—	—	47730	67091	—	—
45467	122	47754	—	—	—	—	—	47739	67091	—	—
45468	122	47738	—	—	—	—	—	47740	67091	—	—
45469 to 45470	122, 189	47712	—	—	—	—	—	47724	—	—	—
45474-S	124	47703	—	—	—	—	—	47724	—	—	—
45475	122	47751 (2)	—	—	—	—	—	47764	—	—	—
45475-S	124	47751 (2)	—	—	—	—	—	47764	—	—	—
45476, 45478, 45479	189	47712	—	—	—	—	—	47724	—	47752	—
45481	122, 209	47701	—	—	—	—	—	47724	—	—	—
45482 to 45483	122	47712	—	—	—	—	—	47724	67091	—	—
45484	124	47714	—	—	—	—	—	47724	—	—	—
45485	122	47714	—	—	—	—	—	47724	67091	—	—
45487, 45491	122, 209	47701	—	—	—	—	—	47724	—	—	—
45489-S	124	47701	—	—	—	—	—	47724	—	—	—
45495	124	47701	—	—	—	—	—	47724	—	—	—
45496	124	47714	—	—	—	—	—	47724	—	—	—
45550, 45551	118	47738	—	—	—	—	—	47724	—	—	—
45561	118	47714	—	—	—	—	—	47724	67091	—	—
45563	118	47721	—	—	—	—	—	47739	67091	—	—
45565	118	47754	—	—	—	—	—	47740	67091	—	—
45567	118	47758	—	—	—	—	—	47740	67091	—	—
45582	118	47701	—	—	—	—	—	47724	67091	—	—
45584	118	47712	—	—	—	—	—	47724	67091	—	—
45586	118	47716	—	—	—	—	—	47724	67091	—	—
45590	118	47756	—	—	—	—	—	47740	67091	—	—
45668, 45676	209	47701	—	—	—	—	—	47724	—	—	—
45669	209	47714	—	—	—	—	—	47724	—	—	—
45672, 45678	209	47712	—	—	—	—	—	47724	—	—	—
45674	209	47708	—	—	—	—	—	47724	—	—	—
45750, 45950	59	47701	—	—	—	—	—	47724	—	—	—
45788	59	47738	—	—	—	—	—	47740	—	—	—
45850	187	47701	—	—	—	—	—	47724	—	—	—
45852	187	47701	—	—	—	—	—	47739	—	—	—
45880 to 45882	189	47712	—	—	—	—	—	47724	—	—	—
45884	189	47741	—	—	—	—	—	47724	—	—	—
45983	139	47701	—	—	—	—	—	47724	67091	—	—
45990	139	47721	—	—	—	—	—	47739	67091	—	—
45992	139	47738	—	—	—	—	—	47740	67091	—	—
46192	131	47706 (2)	—	—	—	—	—	—	—	—	67088
46300, 46304	130, 245	47706 (2)	—	67096	67098	—	—	—	—	—	67086
46400, 46404	130, 245	47706 (2)	—	—	—	—	—	—	—	—	67086
47090 to 47092	125	47723	—	67134	—	—	—	—	—	—	—
47093	125	47702	—	67096	67101	67202	—	—	—	—	—
47094	128	47706 (L) & 47701 (U)	—	67109	—	67101	—	47724	—	—	—
47096	128	47714 (L) & 47721 (U)	—	67109	—	67101	—	47739	—	—	—
47100 to 47103	125	47702	—	67096	67101	67202	67124	—	—	—	—
47104, 47106, 47108, 47110, 47112, 47114	125	47706	—	67096	67098	67202	—	—	—	—	—
47105, 47109, 47111, 47113	127	47706	—	—	—	—	—	—	—	—	—
47115	127	47702	—	67096	67101	67102	—	—	—	—	—
47116, 47117, 47118, 47120	125	47706	—	67096	67098	67202	—	—	—	—	—
47118-2	125	47706 (2)	—	67096	67098	67202	—	—	—	—	—
47124 to 47129	127	47706	—	67096	67098	67202	—	—	—	—	—
47124-2 to 47128-2	127	47706 (2)	—	—	67098	67202	—	—	—	—	67118
47130, 47134, 47135, 47136, 47138	128	47714	—	67109	—	67101	—	—	—	—	—
47131	127	47706	—	67109	67098	67101	—	—	—	—	—
47140 to 47141	125	47714	—	67109	67101	—	—	—	—	—	—
47144	33	47706	—	67096	67098	67202	—	—	—	—	—
47150 to 47154	127	47704	—	67095	67100	67124	—	—	—	—	—
47160 to 47162	131	47706	—	—	—	—	—	—	—	—	—
47174	134, 209	47708	—	—	—	—	—	—	—	—	—
47180	127	47712	—	67109	—	67101	—	—	—	—	—
47182 to 47184	127	47714	—	67109	—	67101	—	—	—	—	—
47190 to 47194	135	47718	—	67096	67098	67101	—	—	—	—	—
47200 to 47204	132	—	—	67096	67098	67202	—	—	—	—	—
47206	132	47704	—	67096	67100	67202	—	—	—	—	—
47210	132	47706	—	67096	67098	67202	—	—	—	—	—
47300 to 47304	132	47716	—	67096	67098	67202	—	—	—	—	—
47400, 47404	133	47708	—	—	—	67204	—	—	—	—	67088
49092 to 49119	157	47704	—	67095	67100	67206	—	—	—	—	—
49120 to 49122	157	47706	—	67096	67098	67202	—	—	—	—	—
49200 to 49206	159	47704	—	67096	67098	67202	—	—	—	—	—
49207	159	47706	—	67096	67098	67202	—	—	—	—	—
49208 to 49214	155	47704	—	67095	67100	67206	—	—	—	—	—
49300 to 49302	190	47706	—	67096	67098	67202	—	—	—	—	—
49310	191	47706	—	—	—	—	—	—	—	—	—
49340 to 49350	191, 195	see page	—	—	—	—	—	—	—	—	—
49360	191	47701 (2)	—	67094	—	67202	—	—	—	—	—
49400 to 49402	147	47704	—	67095	67100	67206	—	—	—	—	—
49404	147	47706	—	67096	67098	67202	—	—	—	—	—
49405	147	47710	—	67093	—	67101	—	—	—	—	—
49406, 49407, 49408, 49410	147	47706	—	67096	67098	67202	—	—	—	—	—
49409	253	47718	—	67096	67098	67101	—	—	—	—	—
49413	147	47704	—	67095	67100	67206	—	—	—	—	—
49414 to 49416	147	47706	—	67096	67098	67202	—	—	—	—	—
49492 to 49502, 49504 to 49506, 49508 to 49526	150	47706	—	67096	67098	67202	—	—	—	—	—
49528	152	47706 & 47790	—	67011	—	—	—	—	—	67176	—
49529	152	47721 & 47792	—	67011	—	—	—	—	—	67176	—
49530	220	47706	—	67096	67098	67101	—	—	—	—	—
49532	220, 281	47706	—	67096	67098	67101	—	—	—	—	—
49534	220, 224	47706	—	67096	67098	67101	—	—	—	—	—
49535, 49536, 49537, 49538	220	47706	—	67096	67098	67101	—	—	—	—	—
49550 to 49554, 49556, 49558, 49560	182	47706	—	67096	67098	67202	—	—	—	—	—
49555, 49557, 49559, 49561, 49563	183	47718	—	67096	—	67202	—	—	—	—	—

▲ **Warning:** Before use, read router bit safety guidelines on pages 276-278.

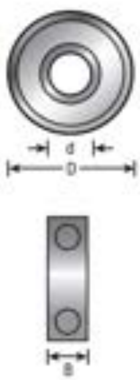
Tool No.	Page #	Bearing(s)	Set Screw	Screw	Dust Shield	Flat Washer	Lock Washer	Collar w/ Set Screw	Collar Set Screw Only	Snap Ring	Hex Nut
49582	239	47706	—	67096	67098	67202	—	—	—	—	—
49592 to 49622	151	47702	—	67096	67101	67202	—	—	—	—	—
49640, 49664, 49674	175, 238	47702	—	67096	67101	67202	—	—	—	—	—
49642, 49666, 49676	175, 238	47701	—	—	—	—	—	47724	67091	—	—
49644, 49650, 49660, 49670	238	47702	—	67096	67101	67202	—	—	—	—	—
49646, 49652, 49662, 49672	238	47701	—	—	—	—	—	47724	67091	—	—
49730	149	47708	—	—	—	—	—	—	—	—	67088
51420, 51422	10	47723	—	67134	—	—	—	—	—	—	—
51430	10	47723 (2)	—	67134	—	—	—	—	—	—	—
51432	10	47706	—	67017	—	—	—	—	—	—	—
51436	33	47723 (2)	—	—	—	—	—	—	—	—	—
51520, 51522	10	47723	—	67134	—	—	—	—	—	—	—
51530	162	47716	—	67096	67098	67202	—	—	—	—	—
51560 to 51570	154	47706	—	67096	67098	67202	—	—	—	—	—
51572	154	47716	—	67096	67098	67202		—	—	—	—
51574	154	47714	—	67093	67126	—	—	—	—	—	—
51588	162	47712 (2)	—	67096	—	—	—	—	—	—	—
53600	198, 234	47708	—	—	—	67204	—	—	—	—	—
53610	199	47708	—	—	—	—	—	—	—	—	67088
54100	156	47706	—	67096	67098	67202	—	—	—	—	—
54102 to 54108	155	47706	—	67096	67098	67101	—	—	—	—	—
54110, 54112, 54114	159	47706	—	67096	67098	67101	—	—	—	—	—
54113	186, 189	47706	—	67096	67098	67101	—	—	—	—	—
54116	221, 224	47706	—	—	—	—	—	—	—	—	—
54117	221	47706	—	67096	67098	67202	—	—	—	—	—
54118, 54121	222	47706	—	67096	67098	67202	—	—	—	—	—
54119	222	47706	—	—	—	—	—	—	—	—	—
54120, 54122 to 54126	164	47706	—	67096	67098	67202	—	—	—	—	—
54127	159	47706	—	67096	67098	67202	—	—	—	—	—
54128, 54130, 54132, 54134, 54135	156	47706	—	67096	67098	67202	—	—	—	—	—
54131	232	47708	—	67096	67098	67101	—	—	—	—	—
54133	235	47706	—	500-10	—	—	—	—	—	—	—
54136, 54138, 54140 to 54142	163	47706	—	67096	67098	67202	—	—	—	—	—
54144 to 54150	158	47706	—	67096	67098	67202	—	—	—	—	—
54160 to 54162	154	47706	—	67096	67098	67202	—	—	—	—	—
54163	154, 234	47706	—	67096	67098	67202	—	—	—	—	—
54164 to 54172	154	47716	—	67096	67098	67202	—	—	—	—	—
54173, 54175	233	47706	—	67096	67098	67101	—	—	—	—	—
54180 to 54182	163	47706	—	67096	67098	67202	—	—	—	—	—
54186	166	47706	—	67096	67098	67202	—	—	—	—	—
54188	166	47716	—	67096	67098	67082	—	—	—	—	—
54190, 54192	165	47712 (2)	—	67109	—	—	—	47724	67091	—	—
54198	181	47702	—	67096	—	67101	—	—	—	—	—
54200	181	47706	—	67096	—	67100	—	—	—	—	—
54211, 54213, 54217	169	47716	—	67096	67103	67202	—	—	—	—	—
54218 to 54220	178	47706	—	67096	67098	67202	—	—	—	—	—
54221	223	47713, 47763	—	—	—	—	—	—	—	—	67088
54222 to 54224	179	47706	—	67096	67098	67202	—	—	—	—	—
54227	223	47713, 47763	—	—	—	—	—	—	—	—	67088
54229	223	47713, 47763	—	—	—	—	—	—	—	—	67088
54234	179	47716	—	67096	67103	67202	—	—	—	—	—
54246	237	47775	—	67090	—	67101	—	—	—	—	—
54262	184	47706	—	67096	67098	67202	—	—	—	—	—
54266	175, 180	47705	—	67096	67098	67202	—	—	—	—	—
54269	184	47716	—	67096	67103	67202	—	—	—	—	—
54278	232	47706	—	67096	67098	67101	—	—	—	—	—
54280	180	47712	—	67096	67103	67202	—	—	—	—	—
54282	180	47706	—	67096	67098	67202	—	—	—	—	—
54290	156	47706	—	67096	67098	67202	—	—	—	—	—
54292	156	47715	—	67096	67098	67202	—	—	—	—	—
54296	167	47712 (2)	—	67096	67098	67202	—	47724	—	—	—
54299	173	47706	—	67014	—	—	—	—	—	—	—
54302 to 54308	168	47706	—	67096	67098	67202	—	—	—	—	—
54322	167	47706	—	67096	67098	67202	—	—	—	—	—
54324	167	47712	—	67096	67103	67202	—	—	—	—	—
54330 to 54332	168	47701, 47706	—	67096	67098	67202	—	47724	—	—	—
54350 to 54354	174	47716	—	67096	67103	67202	—	—	—	—	—
55312 to 55314	232	47727	—	—	—	67204	—	—	—	—	67088
55320	206	47706, 47762	—	—	—	—	—	—	—	—	67088
55340	206	47706	—	—	—	—	—	—	—	—	67088
55343	206	47708	—	—	—	—	—	—	—	—	67088
55350, 55370, 55380	217	47708	—	—	—	—	—	—	—	—	67088
55360	232	47759	—	—	—	—	—	—	—	—	67088
55392	198	47726	—	—	—	—	—	—	—	—	67088
55400, 55401	205	47708 (2)	—	—	—	—	—	—	—	—	67088
55407, 55408	205	47708	—	—	—	—	—	—	—	—	—
55420, 55430, 55440	216	47708	—	—	—	—	—	—	—	—	67088
55421, 55431, 55441	213	47708	—	—	—	—	—	—	—	—	—
55426	225	47708	—	—	—	—	—	—	—	—	67088
55428	224	47706	—	67096	67098	67101	—	—	—	—	—
55432, 55433, 55436, 55437, 55438, 55439	213	47708	—	—	—	—	—	—	—	—	—
55434, 55436	208	47706	—	67096	—	67101	—	—	—	—	—
55460, 55462, 55464	219	47744 (2)	—	—	—	67125 (2)	—	—	—	—	67131
55466	203	47720 (2)	—	—	—	—	—	—	—	—	—
55468	203	47720, 47718	—	—	—	—	—	—	—	—	—
55500, 55510	198	47738	—	—	—	—	—	—	—	—	—
51436	33	47723 (2)	—	—	—	—	—	—	—	47779	—
56130	143	47708	—	—	—	—	—	—	—	47748	—
56140	143	47734	—	—	—	—	—	—	—	47750	—
56150	143	47734	—	—	—	—	—	—	67091	47752	—
57118 to 57120	241	47709	—	67109	—	67101	—	—	—	—	—
57122	250	47726	—	67093	67126	67101	—	—	—	—	—
57127	249	47707	—	67096	—	67202	67101	—	—	—	—
57128	250	47726	—	67093	—	67101	—	—	—	—	—
57129	254	47732	—	67146	—	—	—	—	—	—	—
57130	250	47726	—	67093	67126	67126	—	—	—	—	—
57138, 57140	243	47737	—	67091	—	—	—	47740	67091	—	—
57139, 57141	243	47707	—	67096	—	67202	—	—	—	—	—
57148	241	47707	—	67096	67098	67202	—	—	—	—	—
57147, 57149 to 57152	243	47707	—	67096	—	67202	—	—	—	—	—
57153	244	47726	—	67109	67103	67101	—	—	—	—	—
57154	244	47709	—	67146	—	67101	—	—	—	—	—
57155	244, 253	47733	—	67146	—	67101	—	—	—	—	—
57156, 57158, 57160	251	47731	—	67146	—	—	—	—	—	—	—
57159	244	47777	—	67023	—	—	—	—	—	—	—
57161	254	47732	—	67146	—	—	—	—	—	—	—
57163	253	47765	—	—	—	—	—	—	—	—	—
57165	248	47745, 47747	—	—	—	55371	—	47739	—	—	—
57166	248	47749	—	—	—	55363	—	47739	—	—	—
57168	251	47731	—	67146	—	—	—	—	—	—	—
57169	253	47733	—	67146	—	—	—	—	—	—	—
57170	242	47774	—	67146	—	—	—	—	—	—	—
57184 to 57186	125, 245	47714	—	67109	67118	—	67128	—	—	—	—
57187	125, 139, 245	47714 & 47721 (2)	—	67109	—	—	—	47740	—	—	—
57190	152, 242	47767	—	67109	—	67101	—	—	—	—	—
57192	152, 242	47768	—	67109	—	67101	—	—	—	—	—
57194	152, 242	47769	—	67109	—	67101	—	—	—	—	—
57220	255	47707	—	67096	—	67202	—	—	—	—	—
57232	249	47737	—	—	—	—	—	47740	—	—	—
57248	256	47709	—	67109	67116	67101	—	—	—	—	—
57254	256	47707	—	67096	—	67101	—	—	—	—	—
57257	255	47709	—	67109	—	67101	—	—	—	—	—
57258	255	47707	—	67096	—	67082	—	—	—	—	—
57267	252	47787	—	—	—	—	—	—	—	—	—
57269	252	47788	—	—	—	—	—	—	—	—	—

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
	3/16	5/16	.124 (1/8)	47789
3/8" Diameter Flush Trim, All Beading Bits, (49300/49302), 49340, 49350, 49540, 49542, 49550, Many Types Of Form Bits	3/16	3/8	.124 (1/8)	47702
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, 51570, 54160, 54162, 54198, 54370, New Style 54200 & 54220 (After 12/95)	3/16	1/2	.195 (3/16)	47706
With Teflon® Dust Shields Used As A Substitute For 47706 (See Above) For Fine Dust Conditions	3/16	1/2	.195 (3/16)	47706-HP
New Undersized 1/2" Diameter Bearing For Use After Resharpening – Fits All Tools Such As Flush Trims, Corner Rounds, Etc., That Use The Standard 47706 Bearing	3/16	.490	.195 (3/16)	47715
'Overhang' Bits, 49340, 49350 (49300/49302), 55343	3/16	5/8	.195 (3/16)	47718
(49300/49302), 49340, 49350, RC-4950	3/16	3/4	.280 (9/32)	47720
49340, 49350 For 1/4" Rabbet	3/16	7/8	.196 (3/16)	47719
	3/16	1	.196 (3/16)	47773
49340, 49350 For 1/8" Rabbet	3/16	1-1/8	.312 (5/16)	47743
45475, 45475-S	1/4	3/8	.124 (1/8)	47751
45460, 45461, 45750, 45850, 45950, 57100, 57106, 57112, RC-1014.	1/4	1/2	.186 (3/16)	47701
With Teflon® Dust Shields Used As A Substitute For 47701 (See Above) For Fine Dust Conditions	1/4	1/2	.186 (3/16)	47701-HP
45474-S	1/4	9/16	.236 (15/64)	47753
45462, 45476, 45478, 45479, 45809, 45811, 47180, 51530, 51532, 51534, 54188, 54190, 54192, 54194, 54296, 54324, 54350, 54352, 54354, 54356, 57100, 57106, 57112, 'RC' Series Bevel Trim Bits	1/4	5/8	.195 (3/16)	47712
With Teflon® Dust Shields Used As A Substitute For 47712 (See Above) For Fine Dust Conditions.	1/4	5/8	.195 (3/16)	47712-HP
45464, 45988, 47140, 47182, 47184, 51574, 51576, 57100, 57106, 57112, Old Style 57118, 57120	1/4	3/4	.280 (9/32)	47714
49405	1/4	1	.344 (11/32)	47710
55360	5/16	3/4	.280 (9/32)	47759
1/2" Depth Of Cut Slotting Assemblies, All Stile & Rail, 49730, 49770, 53610 55400, 55401, 56148, 55340	5/16	.865 (7/8)	.275 (9/32)	47708
New Raised Panel With Back Cutter 54221, 54227, 54229	5/16	1-1/4	.196	47763
55320, 55330, 55325	5/16	1.319 (1-5/16)	.335 (21/64)	47762
45884	3/8	7/8	7mm	47741
45463, 45465, 45990	1/2	3/4	.156 (5/32)	47721
45463	1/2	7/8	5mm	47830
45468, 45789, 45992, 51590, 57142, 57144, 57138 & 57140	1/2	1-1/8	.312 (5/16)	47738
57165	1/2	1	5.7mm	47745
57165	1/2	1-1/4	5.7mm	47747
57166	1/2	1-1/2	.466mm (15/32)	47749
57176	7/8	1/2	5mm	47793

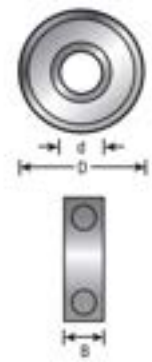
Note: Fractional size specifications shown in parentheses ( ) are approximate, and are provided for reference purposes only. Tool numbers shown in parentheses ( ) exhibit optional (not standard) bearings for these tools.

Warning: Before use, read router bit safety guidelines on pages 276-278.

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
47191	5mm	11mm	4mm(5/32)	47795
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, 54217, 54268, 54269, 54294, 57188, RC-4952, RC-4954, RC-4956	5mm	16mm	5mm(3/16)	47716
'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
45469	15mm	1-1/4	.343 (11/32)	47756
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

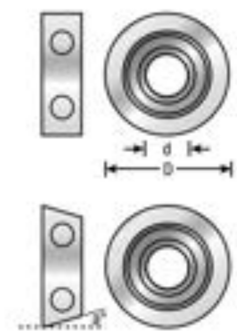
Includes the following sizes:

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.

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. All Tools That Accept Our Regular #47706 Steel Bearing	3/16	.500 (1/2)	-0-	47707
47140, 57154 Trim Bits And New Style 57118, 57120, 57257	1/4	.750 (3/4)	-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 *
57138, 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
57269	1/4	13/16	18°	47788
57268	1/4	55/64	14°	47785
57267	1/4	7/8	10°	47787

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 'd' Inside x 'D' Outside	Use with Bearing #	Tool No.
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

⚠ **Warning:** Before use, read router bit safety guidelines on pages 276-278.

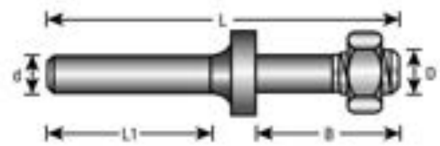
ROUTER ARBORS

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 † New
2 & 3-Wing Slotting Assemblies,	5/16-24 NF	1/4	1-1/4	7/8	2-3/8	47601 New
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 † New
Double Trim Cutters, Rail & Stile, 53600, 55300, 55320, 55325, 55330, 55400 (Replaces 55360 Arbor)	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.



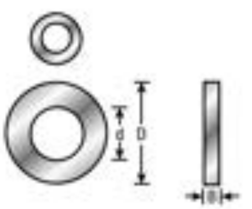
HEX NUTS FOR ROUTER ARBORS

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, 55464	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.

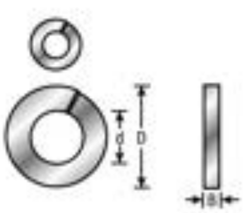
Diameters 'd' Inside x 'D' Outside x 'B' Thick	Use with Bearing #	Use with Screw #	Tool No.
3/16 x 5/16 x 1.0mm	47702	67094, 69096	67101
12mm X 18.7mm x 7/64	47744	55460, 55462, 55464	67125
1/4 x 3/8 x 1.5mm	47701	'Face Inlay' Spacer	67132
3/32 x 1/4 x 1.0mm	47704	67095	67200
1/8 x 5/16 x 1.0mm	47706	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 'd' Inside x 'D' Outside x 'B' Thick	Tool No.
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 276-278.

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

Snap Rings

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	56130, 56148, 49150, 49152, 49154	47748
.542 x .675	56140, 56150	47750

Retaining Collars

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, 54192, 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

Warning: Before use, read router bit safety guidelines on pages 276-278.

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
RC-3204 & 3307	3 x 6mm Special (FP)	1.5mm (#5000)	67017
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
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 & RC-1130	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

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	67144	5010
Nova System™ Router Bits	Torx®	#T-20	67154	5015
61288, 61292	Torx®	#T-25	67154	5025

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
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	67144	5014

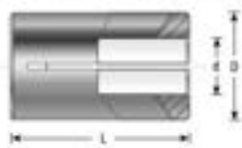
WRENCH HANDLE

Case Hardened • Black-Oxide Finish

Application	Tool No.
EZ Dial™ Slot Cutters	5017
Nova System	5015

⚠ **Warning:** Before use, read router bit safety guidelines on pages 276-278.

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	2.5mm	20mm	RB-162
6mm	3mm	20mm	RB-164
6mm	4mm	20mm	RB-166
6mm	1/8	20mm	RB-168
1/4	5/64	3/4	RB-088 New
1/4	2mm	3/4	RB-090
1/4	3/32	3/4	RB-091 New
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 New
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 New
1/2	5/16	1	RB-119
1/2	8mm	1	RB-118
1/2	9mm	1	RB-105 New
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 276-278.

INDUSTRIAL

Insert Knives

Solid Carbide

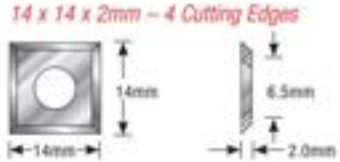
STRAIGHT SOLID CARBIDE INSERT KNIVES

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.

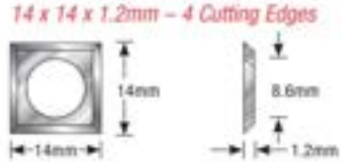
12 x 12 x 1.5mm – 4 Cutting Edges

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



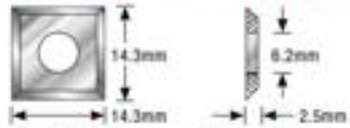
Tool Application	'G' 35° Gen. Purpose Wood, Chipboard, Plywood	'S' 35° Solid Wood DLC Coated*	'S' 35° Softwood/ Hardwood	'H' 35° MDF, Chipboard, Solid Surface	'MF' 45° Micro-finish Gen. Purpose
Insert Trim Bits	**Tool #**	**Tool #**	**Tool #**	**Tool #**	**Tool #**
RC-1000, RC-1008, RC-1010, RC-1014, 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 #**	—	—	—
61330, 61350, 61452	RCK-71	RCK-71-DLC* New			

* Diamond-Like Carbon (DLC)

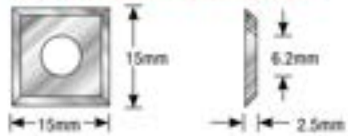
Warning: Before use, read router bit safety guidelines on pages 276-278.

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
Various	Tool # RCK-73	—	—	—
Various	Tool # RCK-15	—	—	—
Various	Tool # RCK-502 New	—	—	—
Various RC-2370, RC-2370LH	Tool # RCK-40	—	—	—
Various	Tool # ICK-40	—	—	—
Various	Tool # RCK-378	—	—	—
Various	Tool # RCK-13	—	—	—
Various	Tool # RCK-370	—	—	—

14.3 x 14.3 x 2.5mm – 4 Cutting Edges

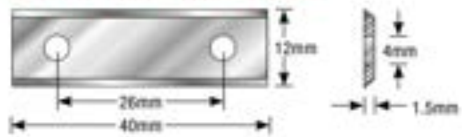


15 x 15 x 2.5mm – 4 Cutting Edges

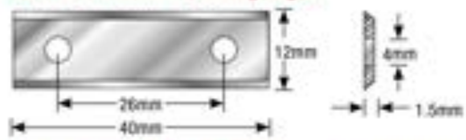


15 x 15 x 1.5mm – 4 Cutting Edges

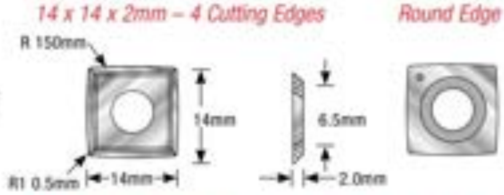
40 x 12 x 1.5mm – 2 Cutting Edges



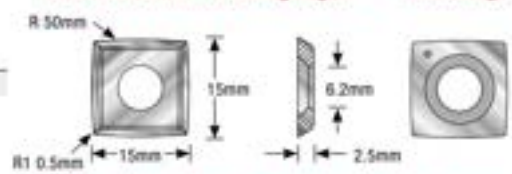
40 x 12 x 1.5mm – 2 Cutting Edges



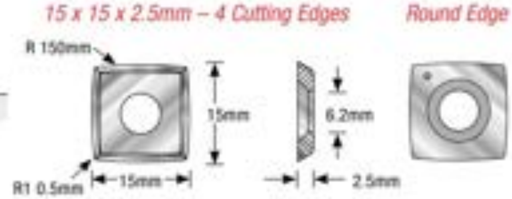
14 x 14 x 2mm – 4 Cutting Edges *Round Edge*



15 x 15 x 2.5mm – 4 Cutting Edges *Round Edge*



15 x 15 x 2.5mm – 4 Cutting Edges *Round Edge*

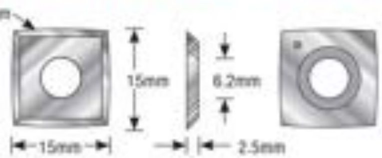


▲ **Warning:** Before use, read router bit safety guidelines on pages 276-278.

15 x 15 x 2.5mm – 4 Cutting Edges *Round Edge*

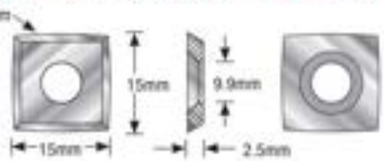
Tool Application	'G' 35° Gen. Purpose Wood, Chipboard, Plywood	'S' 35° Solid Wood DLC Coated*	'S' 35° Softwood/ Hardwood	'H' 35° MDF, Chipboard, Solid Surface	'MF' 45° Micro-finish Gen. Purpose
Various	Tool #	—	—	—	—
	RCK-372				

15 x 15 x 2.5mm – 4 Cutting Edges *Pointed Edge*



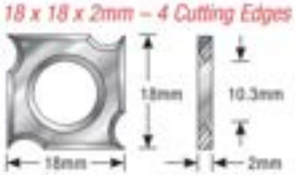
Tool Application	'G' 35° Gen. Purpose Wood, Chipboard, Plywood	'S' 35° Solid Wood DLC Coated*	'S' 35° Softwood/ Hardwood	'H' 35° MDF, Chipboard, Solid Surface	'MF' 45° Micro-finish Gen. Purpose
Various	Tool #	—	—	—	—
	RCK-374				

15 x 15 x 2.5mm – 4 Cutting Edges *Pointed Edge*



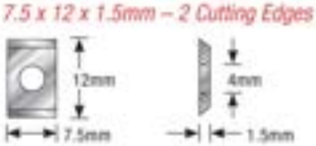
Tool Application	'G' 35° Gen. Purpose Wood, Chipboard, Plywood	'S' 35° Solid Wood DLC Coated*	'S' 35° Softwood/ Hardwood	'H' 35° MDF, Chipboard, Solid Surface	'MF' 45° Micro-finish Gen. Purpose
Byrd Shelix®	Tool #	—	—	—	—
	RCK-165 New				

18 x 18 x 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 Cutterheads	Tool #	—	—	—	—
61330, 61350, 61452	RCK-18				

7.5 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 #	—
61360	AMA-17			HCK-17	

8 x 5.5 x 1.1mm – 2 Cutting Edges

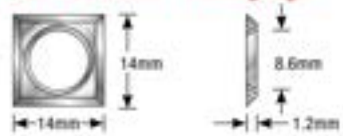
Tool Application	'G' 35° Gen. Purpose Wood, Chipboard, Plywood	'S' 35° Solid Wood DLC Coated*	'S' 35° Softwood/ Hardwood	'H' 35° MDF, Chipboard, Solid Surface	'MF' 45° Micro-finish Gen. Purpose
Use on RC-2000	Tool #	Tool #	—	—	—
	RCK-8	RCK-8-DLC * New			

* Diamond-Like Carbon (DLC)

⚠ **Warning:** Before use, read router bit safety guidelines on pages 276-278.

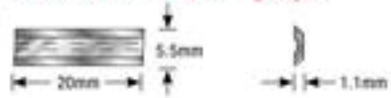
Tool Application		'G' 35° Gen. Purpose Wood, Chipboard, Plywood	'S' 35° Solid Wood DLC Coated*	'S' 35° Softwood/ Hardwood	'H' 35° MDF, Chipboard, Solid Surface	'MP' 45° Micro-finish Gen. Purpose
For Holz-Her® System	Tool #		—	—	—	—
		RCK-75				

14 x 14 x 1.2mm – 4 Cutting Edges



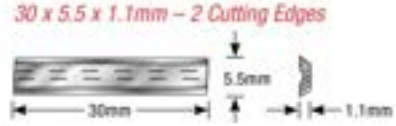
Insert Straight Bit	Tool #	—	—	—	—
RC-3100	RCK-32				

20 x 5.5 x 1.1mm – 2 Cutting Edges



Insert Straight Bits	Tool #	Tool #	—	Tool #	—
RC-3110, RC-3200, RC-3204, RC-3260, RC-3300, RC-3305, RC-3310, RC-3312, RC-3318, RC-3320	RCK-34	RCK-34-DLC* New		HCK-34	

30 x 5.5 x 1.1mm – 2 Cutting Edges

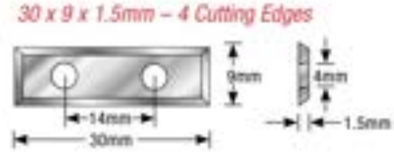


Insert Straight Bits	Tool #	—	—	Tool #	—
RC-3208, RC-3304, RC-3314, RC-3316, RC-3322, RC-3324	RCK-36			HCK-36	

50 x 5.5 x 1.1mm – 2 Cutting Edges

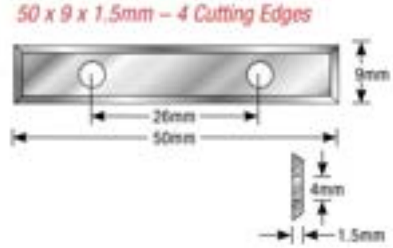
Insert Straight Bits	Tool #	Tool #	—	—	Tool #
RC-1080, RC-1082, RC-1154, RC-2080, RC-2082, RC-2154	AMA-30	AMA-30-DLC *			MDF-30

30 x 9 x 1.5mm – 4 Cutting Edges



Various	Tool #	—	—	—	—
	AMA-50				

50 x 9 x 1.5mm – 4 Cutting Edges



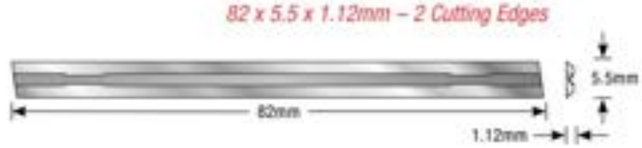
PORTABLE PLANER KNIVES

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.

82 x 5.5 x 1.12mm – 2 Cutting Edges

Portable Planer	Tool #
AEG, Bosch Hitachi, Makita, Metabo, Ryobi, Skil	ICK-100



82.7 x 5.5 x 1.12mm – 2 Cutting Edges

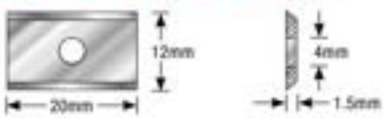
Portable Planer	Tool #
Black & Decker	ICK-200

* Diamond-Like Carbon (DLC)

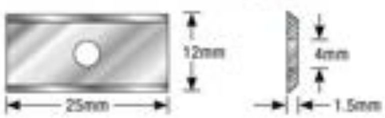
▲ **Warning:** Before use, read router bit safety guidelines on pages 276-278.

15 x 12 x 1.5mm – 2 Cutting Edges

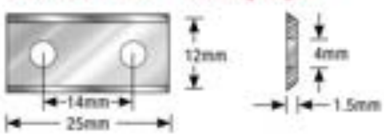
20 x 12 x 1.5mm – 2 Cutting Edges



25 x 12 x 1.5mm – 2 Cutting Edges

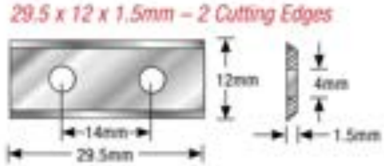


25 x 12 x 1.5mm – 2 Cutting Edges

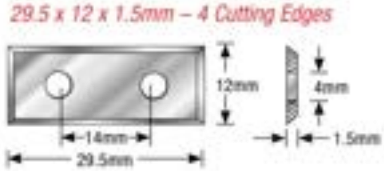


10.5 x 10.5 x 1.5mm – 4 Cutting Edges

29.5 x 12 x 1.5mm – 2 Cutting Edges



29.5 x 12 x 1.5mm – 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 Cutterheads	**Tool #**	—	**Tool #**	—	—
61342, 61362, 61386	ICK-15		HCK-15		
Insert Cutterhead	**Tool #**	—	**Tool #**	**Tool #**	—
61388	ICK-20		SCK-20	HCK-20	
Various	**Tool #**	—	—	—	—
	AMA-25				
Various	**Tool #**	—	**Tool #**	—	—
	ICK-25		HCK-25		
Various	**Tool #**	—	**Tool #**	—	—
	AMA-10		HMA-10		
Insert Trim Bits	**Tool #**	**Tool #**	**Tool #**	**Tool #**	**Tool #**
RC-1004, General Use	ICK-30	ICK-30-DLC*	SCK-30	HCK-30	MFK-30
Insert Straight Bits	**Tool #**	**Tool #**	**Tool #**	**Tool #**	—
RC-1084, RC-1086, RC-2086, RC-2156	RCK-30	RCK-30-DLC *	SRK-30	HRK-30	

* Diamond-Like Carbon (DLC)

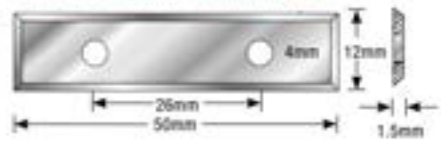
▲ **Warning:** Before use, read router bit safety guidelines on pages 276-278.

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 Cutterhead	**Tool #**	**Tool #**	**Tool #**	**Tool #**	—
61304, 61306, 61310	ICK-50	SCK-50-DLC * New	SCK-50	HCK-50	

50 x 12 x 1.5mm – 2 Cutting Edges

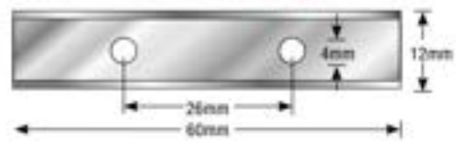
Insert Cutterhead	Tool #	Tool #	Tool #	Tool #	—
RC-1158, RC-1162, RC-1166, RC-2158, RC-2162, RC-2164	RCK-50	RCK-50-DLC *	SRK-50	HRK-50	

50 x 12 x 1.5mm – 4 Cutting Edges



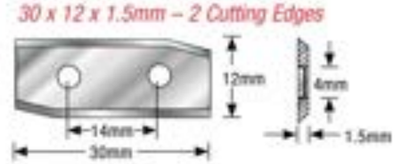
Insert Cutterhead	Tool #	—	—	—	—
61484, 61485, 61487	ICK-60				

60 x 12 x 1.5mm – 2 Cutting Edges



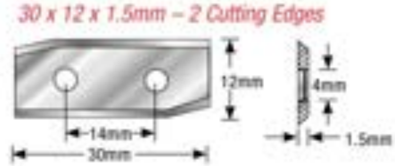
Edgebander Trim	Tool #	—	—	—	—
Knives, Right Hand	ICK-35RH				

30 x 12 x 1.5mm – 2 Cutting Edges



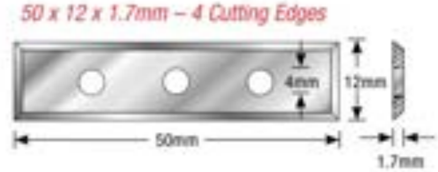
Edgebander Trim	Tool #	—	—	—	—
Knives, Left Hand	ICK-35LH				

30 x 12 x 1.5mm – 2 Cutting Edges



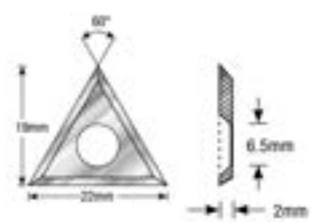
Use on RC-2400	Tool #	Tool #	—	—	—
Use on RC-1006	RCK-151	RCK-151-DLC *			

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



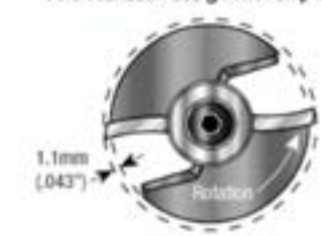
* Diamond-Like Carbon (DLC)

See the Difference!

Highest Quality with Maximum Safety!

Amana Tool®
INDUSTRIAL

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 Vr/Vs < 0.25
(where Vs = cutting velocity and Vr = 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.

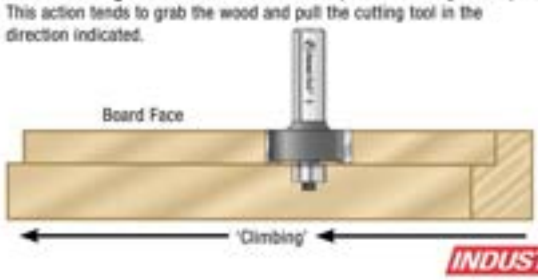
3. ROUTER TOOL USAGE

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 229-245.

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.

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

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 in to 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.

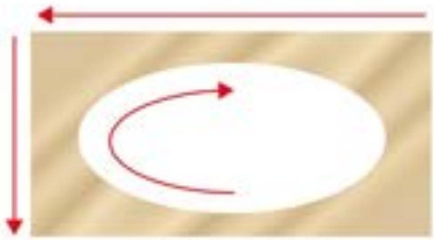
11. Do not bottom-out the bit in the collet; insert the bit fully and then back it out 1/8" or to stop line K, when available.

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*



ROUTE ENDGRAIN FIRST

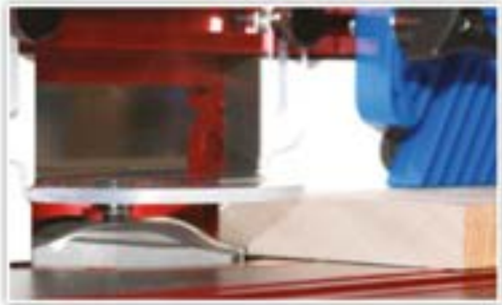
15. Push the router in a counter-clockwise direction for external cuts and clockwise for internal cuts.

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.

16. Never "climb" cut. Always feed the work-piece against the rotation of the bit.

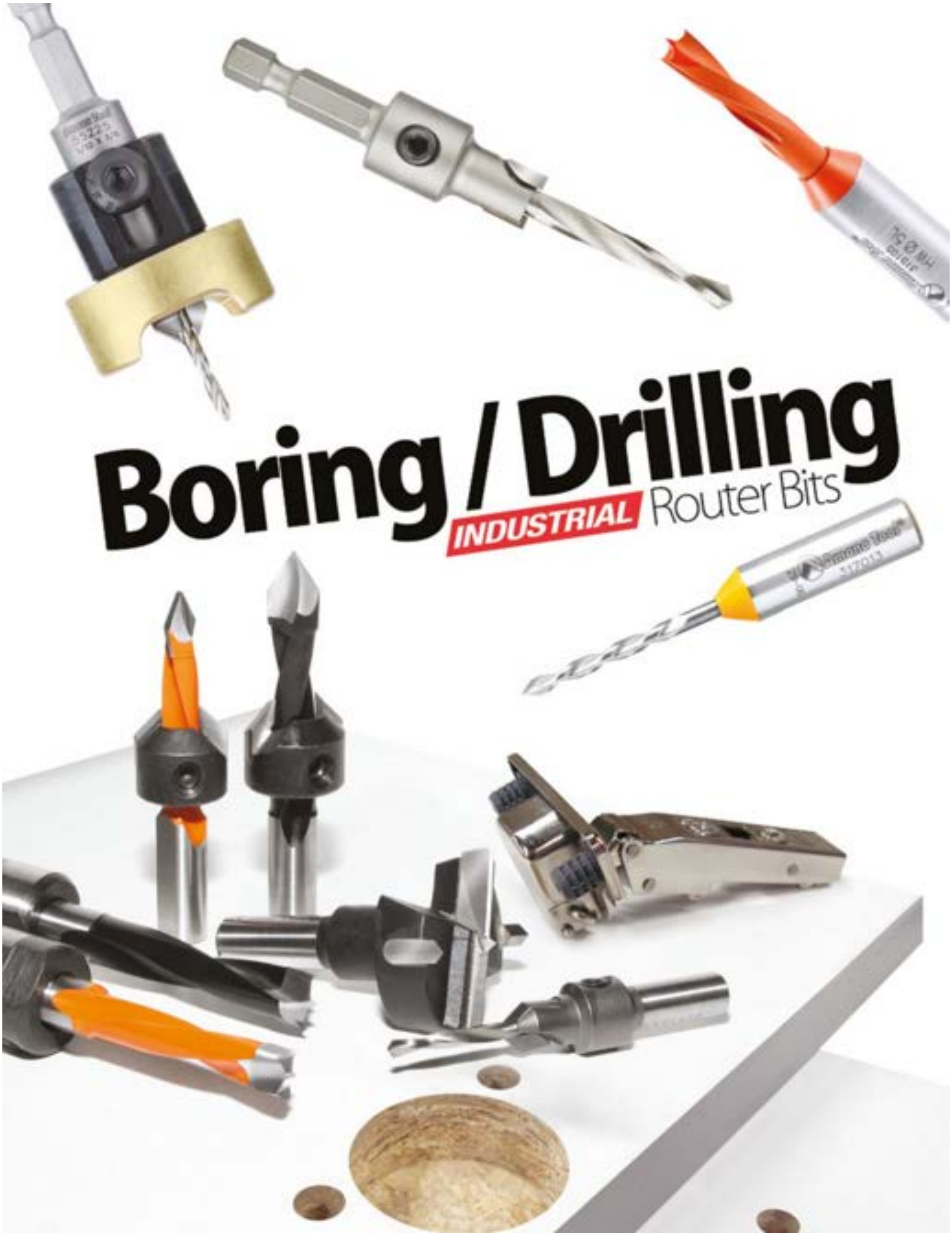


18. Always plan to route in several passes to achieve the final profile. Do not force the bit into the work-piece. If the router is straining or becomes overloaded, the cut is too heavy or bit is dull.

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.

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


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.

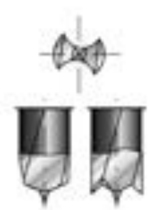
Left Hand Right Hand

BRAD POINT BORING

*Carbide Tipped • 57mm Long • 10mm x 30mm Shank**

ØD	B	Ød	L	Tool No. LH	Tool No. 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
6.7mm	27mm	10mm	57mm	—	201067
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
18mm	27mm	10mm	57mm	301018	—
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.



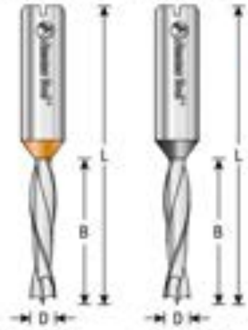
Left Hand Right Hand

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	Tool No. RH
5mm	27mm	10mm	57mm	305005	205005
8mm	27mm	10mm	57mm	305008	—
5mm	40mm	10mm	70mm	306005	206005
8mm	40mm	10mm	70mm	306008	206008



Left Hand Right Hand

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	Tool No. RH
3mm	18mm	10mm	57.5mm	315103 New	215003 New
5mm	22mm	10mm	57.5mm	315105	215005
8mm	22mm	10mm	57.5mm	315108	215008
3mm	18mm	10mm	70mm	317003 New	217003 New
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

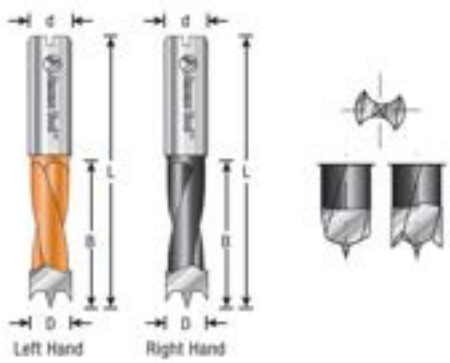
*Carbide Tipped • 70mm Long • 10mm x 30mm Shank**

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	302100	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

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	Tool No. RH
5mm	50mm	10mm	77mm	415005	315005
7mm	50mm	10mm	77mm	—	315070
8mm	50mm	10mm	77mm	415008	315008
9mm	50mm	10mm	77mm	—	315090
10mm	50mm	10mm	77mm	—	315010

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	Tool No. RH
3mm	18mm	10mm	70mm	317013 New	217013 New
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.

Bit sold separately.

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.

COUNTERSINKS FOR BORING MACHINES*

Carbide Tipped • Slow Spiral, HSS M2 DIN 338 Fully Ground Drill

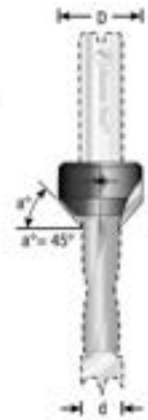
Drills and countersinks in one step. Available in two sizes and each complete with the High Speed Steel drill bit and Allen wrench for easy bit replacement. 2-Flute.

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	6mm	16.5mm	—	316006
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	Tool No. 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**

ØD	Ød	L	Tool No. LH	Tool No. RH
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**

ØD	Ød	L	Tool No. LH	Tool No. RH
25mm	10mm	77mm	203258	—
30mm	10mm	77mm	203308	—

*90mm Long • 2-Wing with Spurs**

ØD	Ød	L	Tool No. LH	Tool No. RH
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.

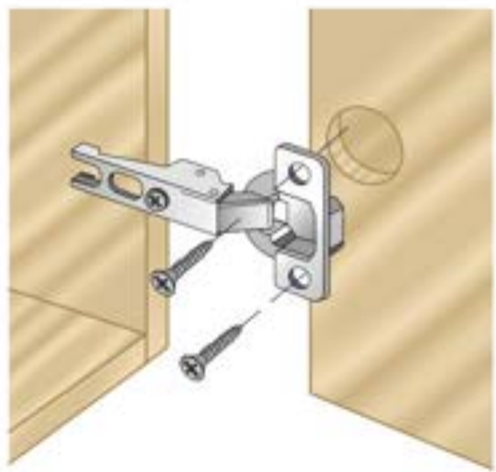
* Not to be used in portable drills or handheld routers.

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



Set# HBM-102

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

* Not to be used in portable drills or handheld routers.

HINGE BORING *New*

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

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*

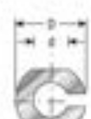
With Retaining Screw

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
5.5mm	10mm	23mm	365052 New
6.0mm	10mm	23mm	365054 New
7.0mm	10mm	23mm	365056 New
8.0mm	10mm	23mm	365058 New

* Not to be used in portable drills or handheld routers.

HIGH SPEED STEEL (HSS) New PLASTIC DRILLS

*High Speed Steel (**HSS**) • 5 Pc. Packs*

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

Excellent For Drilling:
- Acrylic
- Acrylite®
- Lucite®
- Plexiglas®
- Hard and Soft Plastic

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

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

HSS • Slow Spiral

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

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

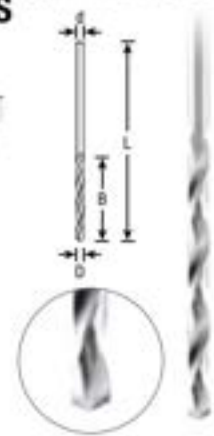
HSS • Taper Point

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

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

HSS • Regular Flute

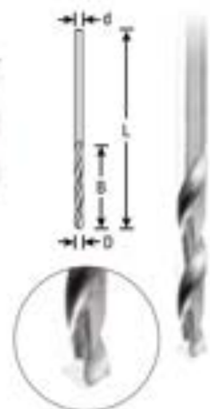
ØD & Ød	B	L	Tool No.
5/64	13/16	1-15/16	630-220
3/32	1	2-1/4	630-222



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

HSS • Regular Flute

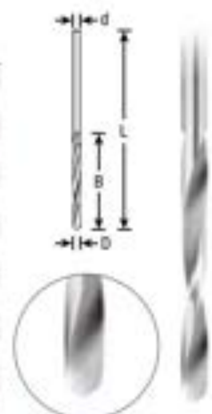
ØD & Ød	B	L	Tool No.
7/64	1/2	1-3/4	630-224
1/8	9/16	2	630-226
9/64	11/16	2-1/16	630-228
5/32	11/16	2-1/8	630-230
11/64	3/4	2-5/16	630-234
3/16	3/4	2-1/4	630-236



HIGH SPEED STEEL (HSS) DIN 338 FULLY GROUND DRILLS

HSS • Slow Spiral

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



BORING MACHINE REPLACEMENT CHUCKS*

For 10mm Shank In-Line Boring Machines

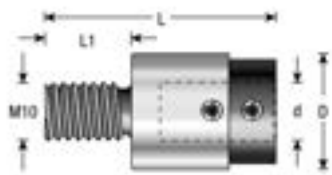
Application: Replace worn or damaged chucks. In stock for immediate delivery. Meets or exceeds O.E.M. specifications.

Due to many different styles, please order carefully.

Style 310

Chuck for Nottmeyer Machines

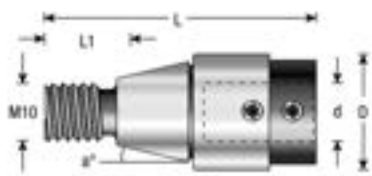
ØD	L1	M	Ød	L	Tool No. LH	Tool No. RH
19.5mm	15mm	8mm	10mm	40mm	310105	310010



Style 302

Chuck for Torwegge • Ayen Machines

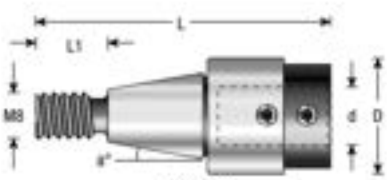
ØD	L1	M	Ød	L	Tool No. LH	Tool No. RH
19.5mm	15mm	10mm	10mm	40mm	302105	302010



Style 303

Chuck for Busselatto • Ompec Machines

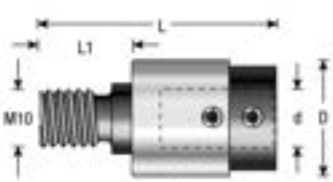
ØD	L1	a°	M	Ød	L	Tool No. LH	Tool No. RH
19.5mm	11mm	30°	10mm	10mm	46mm	303105	303010



Style 304

Chuck for Bilek Machines

ØD	L1	a°	M	Ød	L	Tool No. LH	Tool No. RH
19.3mm	11mm	20.8°	8mm	10mm	48mm	304105	304010



Style 305

Chuck for Holz-Her • S.C.M.I. • Morbidelli • Biese Reimall • Vitap • Weeke Machines

ØD	L1	M	Ød	L	Tool No. LH	Tool No. RH
19.5mm	16mm	10mm	10mm	41mm	305105	305010

* Not to be used in portable drills or handheld routers.

BORING MACHINE REPLACEMENT CHUCKS (CONT'D)

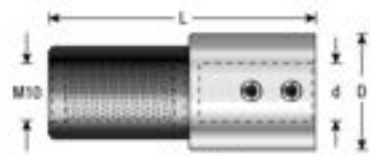
Chuck for • Morbidelli • Nottmeyer Machines

ØD	L1	M	Ød	L	Tool No. LH	Tool No. RH
19.3mm	15mm	8mm	10mm	41mm	-	358010

Style 358

Chuck for Scheer Machines

ØD	M	Ød	L	Tool No. LH	Tool No. RH
19.5mm	10mm	10mm	42mm	359105	—



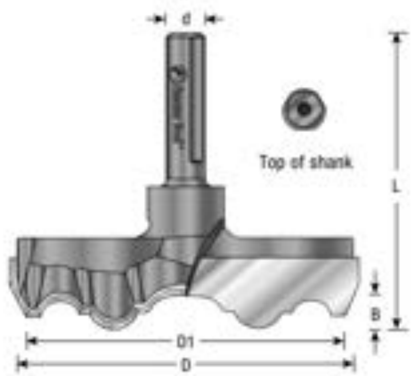
Style 359

Note: Right hand tools rotate clockwise. Left hand tools rotate counter-clockwise.
1.5mm thread pitch.
Set screw #67097.

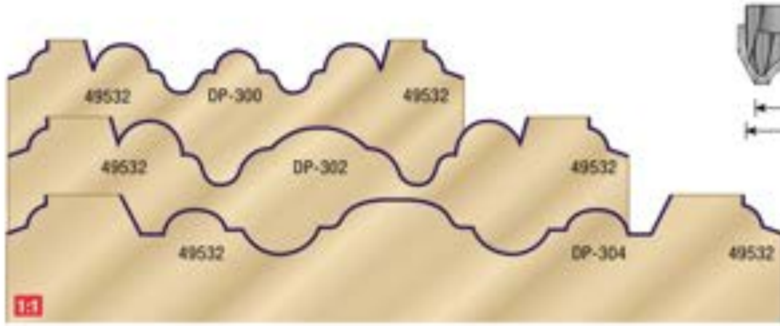
ROSETTE CUTTERS

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



DP-304



OPTIONAL ROSETTE EDGE DETAIL ROUTER BIT

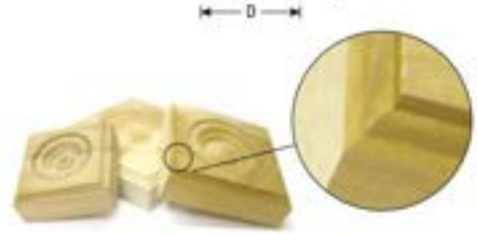
Carbide Tipped • 2 Flute

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

Countersinks

Counterbores and more!

82° COUNTERSINKS

Carbide Tipped • For Wood Screws • 2-Wing
With Slow Spiral, HSS M2 DIN 338 Fully Ground Drill

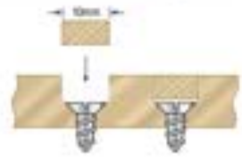
Used to countersink holes for the heads of screws. The 2-flute integral design ensures uniform and concentric results each and every time. Carbide tips provide chip-free hole edges and lasts much longer than steel countersinks.

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 New
#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 82° COUNTERSINKS

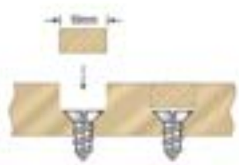
Carbide Tipped • For Wood Screws • 2-Wing
With Slow Spiral, HSS M2 DIN 338 Fully Ground Drill

AlTiN coating provides chip-free edges and last longer than uncoated carbide tipped and much longer than steel countersinks. The 2-flute integral design ensures uniform and concentric results each and every time. Used to countersink holes for the heads of screws.

AlTiN COATED BITS

Excellent For Drilling:

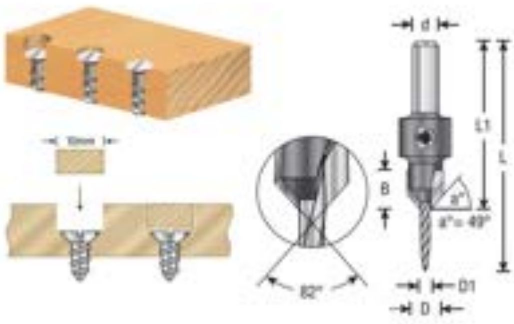
- Natural Woods
- Man-Made Boards
- MDF
- Chipboard
- Plywood
- Composites
- Composite Decking Materials
- High Density Polyethylene (HDPE)



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.

Adjustable Depth-Stop No-Mar Adapters
See page 297



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:

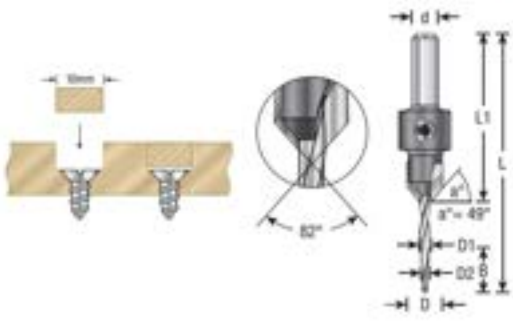
- Natural Woods
- Man-Made Boards
- MDF
- Chipboard
- Plywood
- Aluminum/Non-Ferrous
- Aluminum Composite Material (ACM)
- Composites
- Composite Decking Materials
- High Density Polyethylene (HDPE)

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 *New*

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:

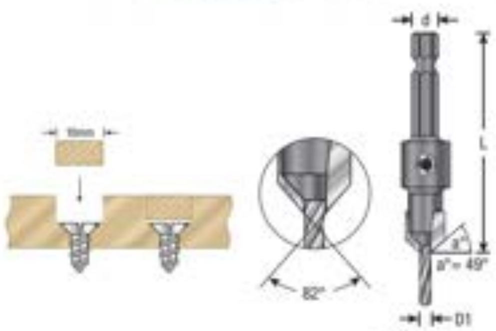
- Natural Woods
- Man-Made Boards
- MDF
- Chipboard
- Plywood
- Aluminum/Non-Ferrous
- Aluminum Composite Material (ACM)
- Composites
- Composite Decking Materials
- High Density Polyethylene (HDPE)

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	630-602	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 38

▲ **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° COUNTERSINKS

Quick Release 1/4" Hex Shank • Carbide Tipped • 2-Wing
With Taper Point HSS M2 DIN 338 Fully Ground Drill

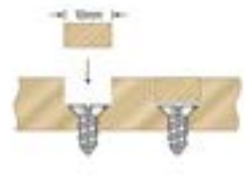
Drill pilot hole and tapered countersink for wood screws. The 2-flute integral design ensures uniform and concentric results each and every time.

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*

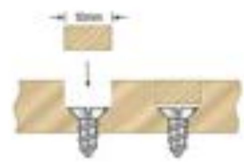
Carbide Tipped • 2-Wing
With Slow Spiral, HSS M2 DIN 338 Fully Ground Drill

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

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
#8	3/8	7/64	49°	CENTROTEC®	2-29/32	608-120	630-098	55613
#10	3/8	1/8	49°	CENTROTEC®	2-29/32	608-120	630-102	55614



Optional Depth-Stop #608-120

82° COUNTERSINKS FOR FESTOOL® CENTROTEC® *New*

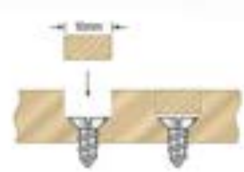
Carbide Tipped • 2-Wing
With Taper Point HSS M2 DIN 338 Fully Ground Drill

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

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
#10	3/8	1/8	49°	CENTROTEC®	2-29/32	608-120	630-266	55646



Optional Depth-Stop #608-120

⚠ **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 *New*

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 *New*

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.

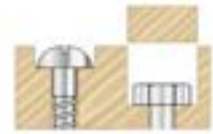
COUNTERBORES

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



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".

No-Thrust Ball Bearing eliminates the scratching or burning of the surface.

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
- 55208
- 55208XL
- 55600
- 55602
- 55604
- 55608

ØD	Ød	L (Adjustable)	Tool No.
1-1/4	3/8	2-1/2 - 2-25/32	55246

Double-sided hex key included.

(Countersink sold separately)

Warning: When drilling aluminum/non-ferrous, for optimal results and extended tool life, use llubricant 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

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 metal depth-stopper with a strong 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:
- Aluminum/Non-Ferrous
- Aluminum Composite Material (ACM)
- Chipboard
- Composites
- Composite Decking Materials
- Man-Made Boards
- MDF
- Natural Woods
- Plywood
- High Density Polyethylene (HDPE)

Wood Screw Size	ØD	ØD1	B	a°	Ød	L	Drill DIN	Repl. Drill Bit	Repl. Counersink	Tool No.
#4	3/8	5/64	3/64-3/8	49°	1/4	2-5/8	1897	630-220	55273	55226 New
#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	55220	55241 New
#6	3/8	1/8	3/64-3/8	49°	1/4	2-5/8	1897	630-226	55220	55227
#6	3/8	9/64	3/64-3/8	49°	1/4	2-5/8	1897	630-228	55220	55228
#8	3/8	5/32	3/64-3/8	49°	1/4	2-5/8	1897	630-230	55220	55229
#8	1/2	11/64	3/64-3/8	49°	1/4	2-3/4	1897	630-234	55222	55240
#10	1/2	3/16	3/64-3/8	49°	1/4	2-3/4	1897	630-236	55222	55242
#14	1/2	1/4	3/64-3/8	49°	10mm	2-9/16	338	630-702	-	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 TAPERED DRILL AND ADJUSTABLE DEPTH-STOP WITH NO-THRUST BEARING *New*

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 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.

Excellent For Drilling:
- Aluminum/Non-Ferrous
- Aluminum Composite Material (ACM)
- Chipboard
- Composites
- Composite Decking Materials
- Man-Made Boards
- MDF
- Natural Woods
- Plywood
- High Density Polyethylene (HDPE)

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).

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!*

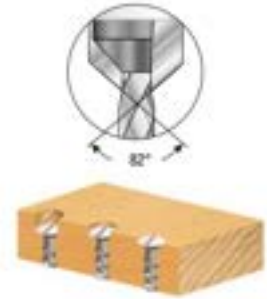
82° COUNTERSINK WITH ADJUSTABLE DEPTH-STOP & NO-THRUST BEARING New

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 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.



Excellent For Drilling:

- Aluminum/Non-Ferrous
- Aluminum Composite Material (ACM)
- Chipboard
- Composites
- Composite Decking Materials
- Man-Made Boards
- MDF
- Natural Woods
- Plywood

Double-sided hex key included.

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).

*A **must-have** tool for every woodworker!*

82° COUNTERSINK WITH ADJUSTABLE DEPTH-STOP & NO-THRUST BEARING FOR FESTOOL® CENTROTEC® New

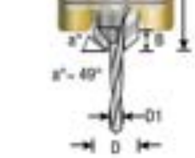
Hybrid Quick Release 1/4" Hex Shank For Festool® CENTROTEC®
Carbide Tipped 2-Wing With HSS M2 Fully Ground Drill

No Burning, No Marring & No Friction

Tool designed with a unique shank with hex part and round part.

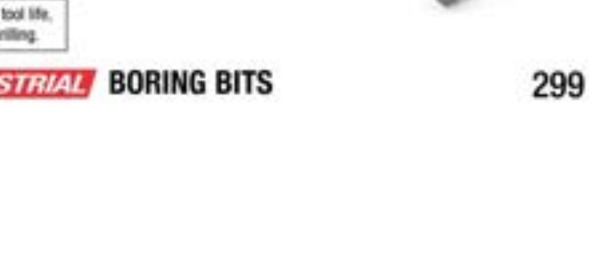
Fits both Festool® CENTROTEC® drill machines and standard quick-change chucks for 1/4" (6.3mm) hex shank.

Features an adjustable, heavy-duty, revolving depth-stop with a strong thrust ball bearing for quick and easy adjustment of the countersink depth without scratching or burning surfaces. 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	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).



Double-sided hex key 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.

*A **must-have** tool for every woodworker!*

82° COUNTERSINK WITH ADJUSTABLE LOW FRICTION DEPTH-STOP

Quick Release 1/4" Hex Shank • 2-Wing • Carbide Tipped
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.

Excellent For Drilling:

- Aluminum/Non-Ferrous
- Aluminum Composite Material (ACM)
- Chipboard
- Composites
- Composite Decking Materials
- Man-Made Boards
- MDF
- Natural Woods
- Plywood
- High Density Polyethylene (HDPE)

Wood Screw Size	ØD	ØD1	B	a°	Ød	L	Repl. 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).

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.

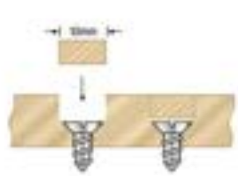
COUNTERSINK & PLUG SET

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

10-PC. COUNTERSINK MASTER SET *New*

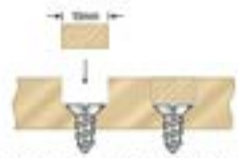
Complete Countersink Set

- 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



55202, 55204, 55206, 55264, 55266, 55624, 55626, 55227 & 55293

607-110

⚠ **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 SET

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

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

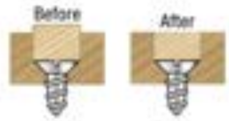
AMS-628

Photo credit Randy O'Rouke. Wood Flooring by Charles Peterson, published by The Taunton Press in 2010

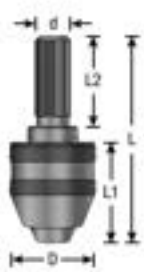
PLUG PLANER FOR HAND DRILLS AND DRILL PRESSES

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.



ØD	ØD1	Ød	L	Tool No.
2	15mm	1/4	4-3/4	PLP-100



QUICK CHANGE CHUCK

Simply pull sleeve to change drill bits, screwdrivers, countersinks and other power bits. Special long shaft for use with keyless chucks. This is an industrial quality accessory manufactured with exacting tolerances.

ØD	Ød	L	L1	L2	Tool No.
15/16	3/8	2	1-7/64	1	55298

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

424000

424004

424006

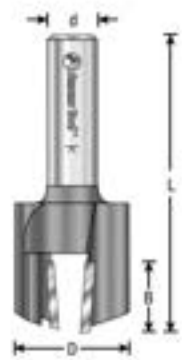
† Application: Not to be used in portable drills or handheld routers.

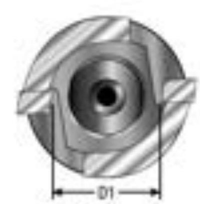
PLUG CUTTER FOR DRILL PRESS

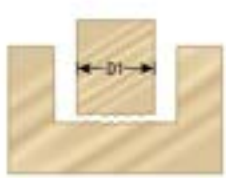
Carbide Tipped • 2 Flute

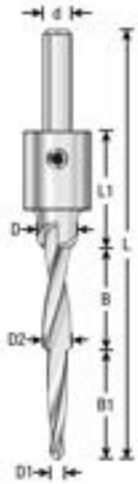
Must clamp work-piece firmly to drill press table.

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









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 (Confirmat, 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.

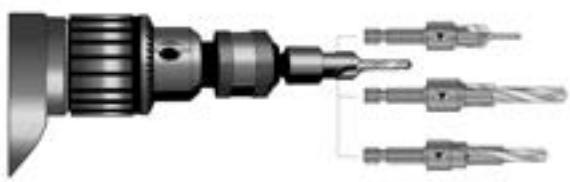
3-STEP RTA FURNITURE DRILL/ COUNTERSINK

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 (Confirmat, 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 "Confirmat" 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).

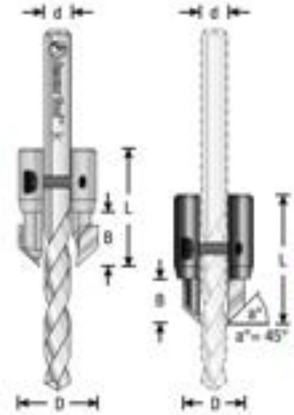
'DI-COUNT'™ ADJUSTABLE COUNTERSINK

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.



20202 20200

Bit sold separately.

ADJUSTABLE COUNTERBORE

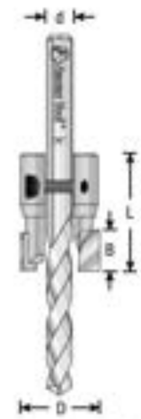
Carbide-Tipped • 2-Wing
Slow Spiral, HSS M2 DIN 338 Fully Ground Drill

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.



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	5/16	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.

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.	FO-700

Sizes: All 15 fractional sizes (3/8 through 2-1/8 in 1/8 increments).

Set No. FO-600

Set No. FO-700

INDUSTRIAL Carbide Tipped Saw Blades

- ✓ Industrial Micrograin Carbide Tips
- ✓ Oversized Tips for Multiple Resharpening
- ✓ Plate Is Straightened, Balanced and Tensioned
- ✓ Precision Cut Expansion Slots Ensure Stability
- ✓ H7 Concentric Bore Eliminates Circular Run-out
- ✓ Copper Plugs Reduce Vibration and Noise
- ✓ Large Gullets Improve Chip Clearance

ELECTROBLU™ ECO-Friendly Non-Stick Coating

THE PRESTIGE™ SERIES

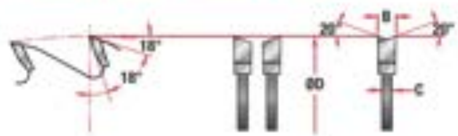
- ✓ Reduces Resin Accumulation
- ✓ Helps Dissipate Heat Build-up
- ✓ Protects Plate from Corrosion

Item #PR1040C

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

GENERAL PURPOSE

18° Hook Alternate Top Bevel (ATB) Grind



Soft/Hardwood Ripping | Combination Rip/Crosscut | Soft/Hardwood Crosscut | Cabinet Plywood Rip/Crosscut

The Amana Tool® Prestige™ general purpose blade cuts smoother and stays sharper longer in solid wood, plywood, MDF and chipboard. It features a massive tool-steel plate (.102" thick!) with expansion slots and copper plugs 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 (.102" thick!) tool-steel plate with copper plugs that practically eliminates vibration.
- Precision-ground carbide teeth (20° ATB, hook) 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

OD				'B' Kerf	'C' Plate			
Inch	mm	Teeth	Grind	Inch	Inch	Bore	*P.H.	Tool No.
10	250	40	ATB	.134	.102	5/8	—	PR1040
10	250	40	ATB	.134	.102	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

* Electro Blu™ Non-Stick Coating.

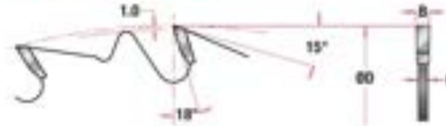
* P.H. = pin-hole configuration. Example: **2/10/60** = **2** @ **10**mm dia. on **60**mm circle.

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

'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 Inch	ØD mm	Teeth	Grind	'B' Kerf Inch	'C' Plate Inch	Bore	*P.H.	Tool No.
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

* Electro Blu™ Non-Stick Coating.

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 Inch	ØD mm	Teeth	Grind	a°	'B' Kerf Inch	'C' Plate Inch	Bore	*P.H.	Tool No.
10	250	24	FT	20°	.142	.095	5/8	—	610240
10	250	24	FT	20°	.142	.095	5/8	—	610240C* New
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

* Electro Blu™ Non-Stick Coating.

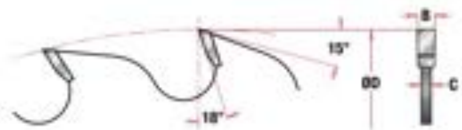
ØD Inch	ØD mm	Teeth	Grind	a°	'B' Kerf Inch	'C' Plate Inch	Bore	*P.H.	Tool No.
10	250	20	FT	18°	.126	.087	5/8	—	610200
12	300	24	FT	18°	.126	.087	1	—	612240
12	300	24	FT	18°	.126	.087	30mm	2/7/42, 2/9/46 & 2/10/60	612240-30
14	350	28	FT	18°	.137	.098	1	—	614280
16	400	32	FT	18°	.137	.098	1	—	616320
16	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** @ **10**mm dia. on **60**mm circle.

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

RIPPING HEAVY-DUTY

18° Hook • Flat Top (FT) Grind



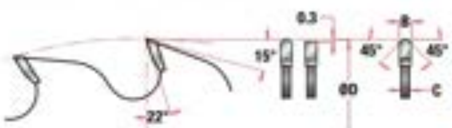
Heavy-duty production ripping is this blade's forte. It has all the features needed for use with power feeders and gang-ripping operations: a low tooth count, flat-top grind, deep gullets for efficient chip clearance and a thick plate for reduced vibration.

Soft/Hardwood Ripping

OD Inch	OD mm	Teeth	Grind	'B' Kerf Inch	'C' Plate Inch	Bore	*P.H.	Tool No.
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

OD Inch	OD mm	Teeth	Grind	'B' Kerf Inch	'C' Plate Inch	Bore	Tool No.
10	250	30	TCG	.145	.095	5/8	610301
10	250	30	TCG	.145	.095	5/8	610301C* New
12	300	40	TCG	.160	.110	1	612401
14	350	40	TCG	.169	.118	1	614401

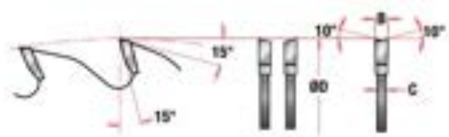
* Electro Blu™ Non-Stick Coating.

* P.H. = pin-hole configuration. Example: **2/10/60** = **2** @ **10**mm dia. on **60**mm circle.

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

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.

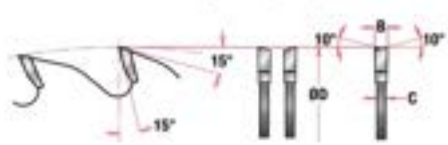
Soft/Hardwood Ripping

Soft/Hardwood Crosscut

ØD Inch	ØD mm	Teeth	Grind	'B' Kerf Inch	'C' Plate Inch	Bore	*P.H.	Tool No.
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.

Soft/Hardwood Ripping

Soft/Hardwood Crosscut

ØD Inch	ØD mm	Teeth	Grind	'B' Kerf Inch	'C' Plate Inch	Bore	*P.H.	Tool No.
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** @ **10**mm dia. on **60**mm circle.

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

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				'B' Kerf	'C' Plate		
Inch	mm	Teeth	Grind	Inch	Inch	Bore	Tool No.
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				'B' Kerf	'C' Plate		
Inch	mm	Teeth	Grind	Inch	Inch	Bore	Tool No.
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	.135	.095	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

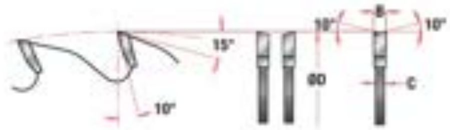
* Electro Blu™ Non-Stick Coating.

* P.H. = pin-hole configuration. Example: **2/10/60** = **2** @ **10**mm dia. on **60**mm circle.

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

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 Inch	ØD mm	Teeth	Grind	'B' Kerf Inch	'C' Plate Inch	Bore	*P.H.	Tool No.
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	1	—	612720C *
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.

* Electro Blu™ Non-Stick Coating.

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 Inch	ØD mm	Teeth	Grind	a°	'B' Kerf Inch	'C' Plate Inch	Bore	Tool No.
12	300	96	ATB	10°	.173	.110	1	712960
16	400	60	ATB	18°	.173	.110	1	716600
16	400	96	ATB	10°	.173	.110	1	716960

* P.H. = pin-hole configuration. Example: **2/10/60** = **2** @ **10**mm dia. on **60**mm circle.

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

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 Inch	mm	Teeth	Grind	a°	'B' Kerf Inch	'C' Plate Inch	Bore	Tool No.
12	300	60	TCG	15°	.173	.095	1	712601
14	350	72	TCG	15°	.173	.110	1	714721
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 Inch	mm	Teeth	Grind	'B' Kerf Inch	'C' Plate Inch	Bore	*P.H.	Tool No.
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.

* Electro Blu™ Non-Stick Coating.

* P.H. = pin-hole configuration. Example: **2/10/60** = **2** @ **10**mm dia. on **60**mm circle.

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

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.

Plastic Laminate Single & Double Sided

MDF/Fiberboard

ØD				'B' Kerf	'C' Plate			
Inch	mm	Teeth	Grind	Inch	Inch	Bore	*P.H.	Tool No.
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	54	TCG	.137	.106	1	—	614541
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, SCM® and Striebig® sliding table saws.

* Electro Blu™ Non-Stick Coating.

General Purpose CNC Router Bit Sets **New**

See page 67

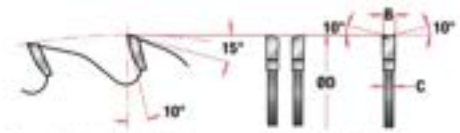
Visit www.amanatool.com #AMS-286

* P.H. = pin-hole configuration. Example: **2/10/60** = **2** @ **10**mm dia. on **60**mm circle.

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

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

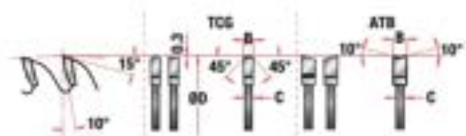
ØD Inch	ØD mm	Teeth	Grind	'B' Kerf Inch	'C' Plate Inch	Bore	*P.H.	Tool No.
8	200	64	ATB	.118	.079	5/8	—	686400
–	220	64	ATB	.118	.079	30mm	2/7/42	220T640 +
10	250	80	ATB	.126	.087	5/8	—	610800
10	250	80	ATB	.126	.087	5/8	—	610800C*
10	250	80	ATB	.126	.087	30mm	2/7/42, 2/9/46 & 2/10/60	610800-30
12	300	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	—	616120
18	450	132	ATB	.157	.110	1	—	618132

+ For Holz-Her® 220mm Panel Saws.

* Electro Blu™ Non-Stick Coating.

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.

THIN KERF

Use of stabilizers is recommended when cutting stock over 3/4" thick.

Combination Rip/Crosscut

Cabinet Plywood Rip/Crosscut

Plastic Laminate Single & Double Sided

MDF/Fiberboard

ØD Inch	ØD mm	Teeth	Grind	'B' Kerf Inch	'C' Plate Inch	Bore	Tool No.
8	200	64	ATB	.090	.062	5/8	TB86400
10	250	80	ATB	.090	.062	5/8	TB10800
12	300	96	ATB	.090	.062	1	TB12960
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
12	300	96	TCG	.090	.062	1	TB12961

* P.H. = pin-hole configuration. Example: **2/10/60** = **2** @ **10**mm dia. on **60**mm circle.

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

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

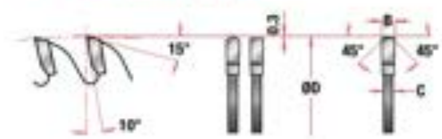
Soft/Hardwood Crosscut

Cabinet Plywood Rip/Crosscut

ØD Inch	mm	Teeth	Grind	'B' Kerf Inch	'C' Plate Inch	Bore	Tool No.
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 Inch	mm	Teeth	Grind	'B' Kerf Inch	'C' Plate Inch	Bore	Tool No.
10	250	80	TCG	.090	.062	5/8	610801-TS

* P.H. = pin-hole configuration. Example: **2/10/60** = **2** @ **10**mm dia. on **60**mm circle.

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

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.

* P.H. = pin-hole configuration. Example: **2/10/60** = **2** @ **10**mm dia. on **60**mm circle.

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

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.

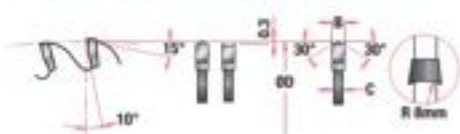
Melamine
Single & Double Sided

ØD Inch	ØD mm	Teeth	Grind	'B' Kerf Inch	'C' Plate Inch	Bore	*P.H.	Machines	Tool No.
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 Inch	ØD mm	Teeth	Grind	'B' Kerf Inch	'C' Plate Inch	Bore	*P.H.	Tool No.
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** @ **10**mm dia. on **60**mm circle.

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

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

OD				'B' Kerf	'C' Plate			
Inch	mm	Teeth	Grind	Inch	Inch	Bore	*P.H.	Tool No.
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.
* Electro Blu™ Non-Stick Coating.

* P.H. denotes pin-hole configuration, if applicable.
Example: **2/10/60** = **2** @ **10**mm dia. on **60**mm circle.

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

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 Inch	mm	Teeth	Grind	'B' Kerf Inch	'C' Plate Inch	Bore	*P.H.	Tool No.
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

* Electro Blu™ Non-Stick Coating.

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 Inch	mm	Teeth	Grind	'B' Kerf Inch	'C' Plate Inch	Bore	*P.H.	Tool No.
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

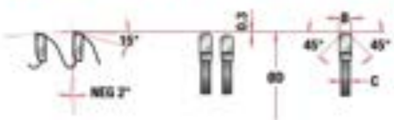
* Electro Blu™ Non-Stick Coating.

* P.H. denotes pin-hole configuration, if applicable.
Example: **2/10/60** = **2** @ **10**mm dia. on **60**mm circle.

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

NON-MELT

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



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

Acrylic & Non-Melt Plastic

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

† For Holz-Her® 220mm panel saws.

* Electro Blu™ Non-Stick Coating.

* P.H. denotes pin-hole configuration, if applicable.
Example: **2/10/60** = **2** @ **10**mm dia. on **60**mm circle.

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

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.


ACM


Non-Ferrous Alloys


Phenolic & Hard Plastic

For Thick Aluminum (over 0.25")

ØD Inch	ØD mm	Teeth	Grind	'B' Kerf Inch	'C' Plate Inch	Bore	*P.H.	Tool No.
8	200	48	TCG	.110	.087	5/8	—	584801
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).
* Electro Blu™ Non-Stick Coating.

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** @ **10**mm dia. on **60**mm circle.

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

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. For plywood, use tool #610720, which has a high tooth count and an ATB grind.

Combination Rip/Crosscut

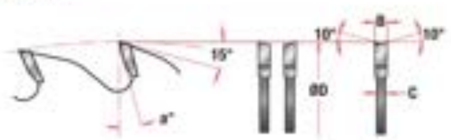
Cabinet Plywood Rip/Crosscut •

ØD					'B' Kerf	'C' Plate		
Inch	mm	Teeth	Grind	a°	Inch	Inch	Bore	Tool No.
10	250	24	ATB	-2°	.134	.095	5/8	RA1024
10	250	72	ATB	0°	.126	.095	5/8	610720 •
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

• For plywood use #610720.

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				'B' Kerf	'C' Plate				
mm	Teeth	Grind	a°	Inch	Inch	Bore	*P.H.	Application	Tool No.
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** @ **10**mm dia. on **60**mm circle.

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

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™ 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.

Melamine
Single & Double Sided

OD Inch	OD mm	Teeth	Grind	'B' Kerf Inch	'C' Plate Inch	Bore	*P.H.	Tool No.
—	220	64	H-ATB	.126	.079	30mm	2/7/42	DT220T640 †
10	250	72	H-ATB	.126	.102	5/8	—	DT10720
10	250	72	H-ATB	.126	.102	30mm	2/7/42, 2/9/46 & 2/10/60	DT10720-30
12	300	84	H-ATB	.126	.102	1	—	DT12840
12	300	84	H-ATB	.126	.102	30mm	2/7/42, 2/9/46 & 2/10/60	DT12840-30

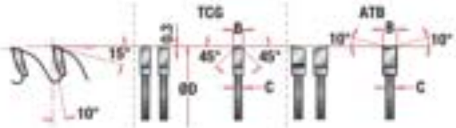
† For Holz-Her® 220mm panel saws.

* P.H. denotes pin-hole configuration, if applicable.
Example: **2/10/60** = **2** @ **10**mm dia. on **60**mm circle.

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

DITEC™ SLIDING TABLE

10° Hook • ATB or TC Grind



Designed primarily for use in sliding table saws, such as Striebig® Altendorf® SCM® & 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.

Soft/Hardwood Crosscut | Cabinet Plywood Rip/Crosscut | Plastic Laminate Single & Double Sided

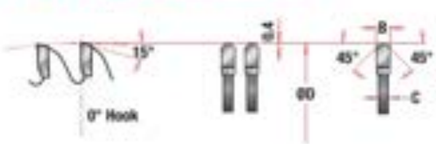
OD Inch	OD mm	Teeth	Grind	'B' Kerf Inch	'C' Plate Inch	Bore	*P.H.	Tool No.
10	250	80	ATB	.126	.087	5/8	—	DT10800
12	300	72	ATB	.126	.087	1	—	DT12720
12	300	72	ATB	.126	.087	30mm	2/7/42, 2/9/46 & 2/10/60	DT12720-30 †
12	300	96	ATB	.126	.087	1	—	DT12960
12	300	96	ATB	.126	.087	30mm	2/7/42, 2/9/46 & 2/10/60	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
10	250	60	TCG	.126	.087	5/8	—	DT10601
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 †
—	300	96	TCG	.126	.087	30mm	2/7/42, 2/9/46 & 2/10/60	DT300T96-30C*
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.

* Electro Blu™ Non-Stick Coating.

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.

Solid Surface

OD Inch	OD mm	Teeth	Grind	'B' Kerf Inch	'C' Plate 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** @ **10**mm dia. on **60**mm circle.

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

DITEC EXTRA STRENGTH CARBIDE

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.).

Scoring Particleboard & Double Sided Laminate

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

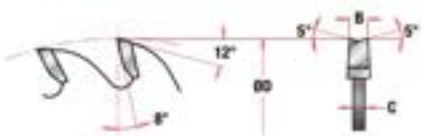
Note: Adjustable scoring sets with 20mm bore can be converted to either 3/4" bore by ordering two each #BU-134 bushings.

Replacement 5-piece shim set (0.6mm, .10mm, .20mm (2) and 2.8mm) order No. 'Shim Set'. Will fit 20mm scoring sets.

DITEC EXTRA STRENGTH CARBIDE

DITEC™ CONICAL TYPE SCORING SETS

8° Hook • Conical Alternate Top Bevel (ATB) Grind



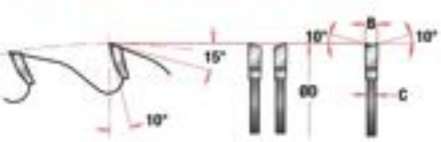
Used on panel saws with separate scoring units for chip-free cuts on both sides of the material. With conical type scoring blades, the kerf width changes with depth of penetration. Used in combination with our industrial saw blades '7' series only (#714721, etc.). Also used in combination with the DITEC™ series panel saw main blades. Kerf range should match the main blade.

Scoring Particleboard & Double Sided Laminate

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
120mm	24	Conical	4.4mm to 5.4mm	2.8mm	20mm	Altendorf,® Martin, SCM®	DT120T24

EDGEBANDER 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.

Soft/Hardwood Crosscut

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** @ **10**mm dia. on **60**mm circle.

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

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.**

OD	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-Sharpening 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-Sharpening Adapter
#EZA-08 for 100mm

Re-Sharpening Adapter
#EZA-10 for 120mm and 125mm

Panel Sizing/Scoring

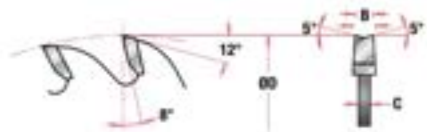
Scoring Particleboard & Double Sided Laminate

eZ DIAL™
SCORING SET
SHIM-FREE
& ADJUSTABLE

* P.H. denotes pin-hole configuration, if applicable.
Example: **2/10/60** = **2** @ **10**mm dia. on **60**mm circle.
▲ **Warning:** Before use, read saw blade safety guidelines on pages 344-346.

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, #716961, etc.). Use also in combination with the new DITEC™ panel saw blades.

ØD mm	Teeth	Grind	'B' Kerf Range mm	'B' Kerf Range Inches	'C' Plate mm	'C' Plate Inches	Bore mm	Machine Application	Tool No.
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 mm	'B' Kerf Range Inches	'C' Plate mm	'C' Plate Inches	Bore mm	Machine Application	Tool No.
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
125	12x2	ATB	2.8 to 3.6	.110 to .142	2(x2)	.078(x2)	20	Griggio	SS125T14

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.

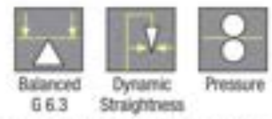
* P.H. denotes pin-hole configuration, if applicable.
Example: **2/10/60** = **2** @ **10**mm dia. on **60**mm circle.

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

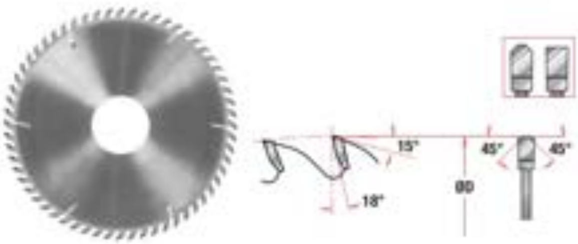
DITEC
EXTRA STRENGTH CARBIDE

DITEC™ DYNAMIC PANEL SAWING

TCG (Triple Chip Grind) • Extended Life



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	OD 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
	400	72	4.4/3.2	80	4/19/120 & 2/9/130	DT400T721-80
	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
	500	72	5.0/3.5	60	—	DT500T721-60B
	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
	400	72	4.4/3.2	30	2/7/42, 2/10/60	DT400T721-30
New Sigma 115	400	72	4.4/3.2	80	—	DT400T721-80
Panhans	355	72	4.4/3.0	30	2/7/42, 2/10/60	DT355T721-30

Scorer for Panel Sizing

OD 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
180	30	4.4/5.4	30	—	DT180T30-30

* P.H. denotes pin-hole configuration, if applicable.
Example: **2/10/60** = **2** @ **10**mm dia. on **60**mm circle.

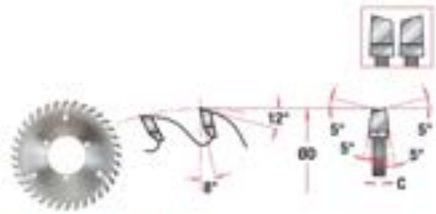
▲ **Warning:** Before use, read saw blade safety guidelines on pages 344-346.

DITEC EXTRA STRENGTH CARBIDE

DITEC™ DYNAMIC PANEL SAWING

TCG (Triple Chip Grind) • Extended Life

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	OD 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
	400	72	4.4/3.2	30	2/7/42, 2/10/60	DT400T721-30
	550	72	5.0/3.5	40	—	DT550T721-40
Selco	400	72	4.4/3.2	80	—	DT400T721-80
	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 2/14/110, 2/7/110	DT305T721-80
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

OD 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
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** @ **10**mm dia. on **60**mm circle.

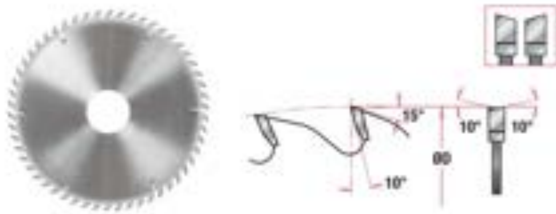
▲ **Warning:** Before use, read saw blade safety guidelines on pages 344-346.

DITEC EXTRA STRENGTH CARBIDE

DITEC™ DYNAMIC PANEL SAWING

ATB (Alternate Top Bevel) • Extended Life

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	OD mm	Teeth Count	Kerf/Plate mm	Bore mm	*P.H.	Tool No.
Gabbiani	355	72	4.4/3.0	80	4/9/100 & 2/7/110	DT355T720-80
Giben Trend	355	54	4.4/3.0	75	—	DT355T540-75

Scorer for Panel Sizing

OD 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

* P.H. denotes pin-hole configuration, if applicable.
Example: **2/10/60** = **2** @ **10**mm dia. on **60**mm circle.

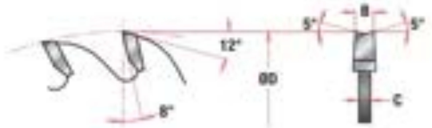
▲ **Warning:** Before use, read saw blade safety guidelines on pages 344-346.

DiTEC
EXTRA STRENGTH CARBIDE

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 316-317. Kerf range should match the main blade.

Panel Sizing/Scoring

Machine Style	OD 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
Panhans	180	30	4.4 to 5.4	3.2	30mm	—	DT180T30-30
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 341.

RE-BORING Services, see page 341.

* P.H. denotes pin-hole configuration, if applicable.
Example: **2/10/60** = **2** @ **10**mm dia. on **60**mm circle.

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

INDUSTRIAL

Super Fine

Chip-Free Dado Cuts

Veneered Plywood (Along & Across the Grain) | Hardwood | Melamine & Laminate

658060C

PRESTIGE™ SUPER FINE DADO SETS

With Six 4-Wing Chippers 1/4" to 29/32" • High ATB Grind

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 are hollow ground for proper clearance and feature high ATB grind geometry with every sixth tooth flat ground for efficient chip removal. Each tooth body also features anti-kickback design to help prevent overfeeding.

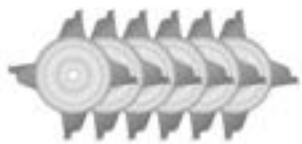
Set accommodates today's undersized plywoods.

Packed In A Handy Black Molded Carrying Case.

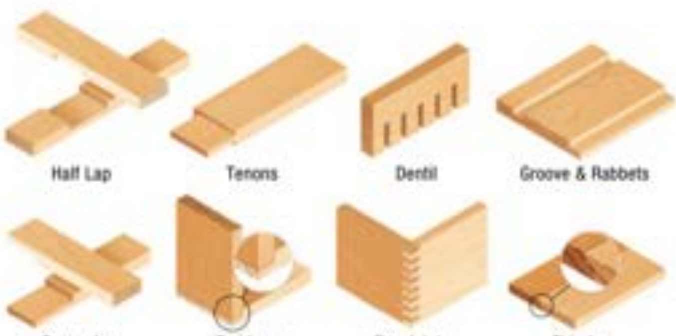
Each of the six interior chippers features four teeth and the standard width capacity is 1/4" through 29/32." Adjustments can be easily made in 1/32" increments and even finer adjustments, as small as .002" can be made by using the supplied shim set. A 46-tooth dado set (see page 327) is also available for use with plywood and melamine.

A stacking dado set is an ideal tool for cutting dadoes, grooves and tenons for strong mortise-and-tenon joinery.

2 Outside 8" x 24T Blades



6 Carbide Tipped Four-Wing Chippers



Half Lap | Tenons | Dentil | Groove & Rabbets

Corner Lap | End Lap | Box Joints | Ship Lap

Set Includes Shim Set for Fine Adjustments

Set Accommodates Undersized Plywood

OD	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	5/8	658060C *
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.

* Electro Blu™ Non-Stick Coating.

Note: Always use the outside blades. Never attempt to use the chippers without the outside blades.

* P.H. denotes pin-hole configuration, if applicable.
Example: **2/10/60** = **2** @ **10**mm dia. on **60**mm circle.

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

DADO SETS

With Five 2-Wing Chippers 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. Unlike a "wobbler," a stack set produces a flat-bottom cut with chip-free edges. Amana Tool® makes dado stack sets for every machine and every type of woodworking material. 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 four inside chippers. The outside blades feature hollow-ground plates for proper clearance, and alternate top bevel (ATB) grind with every sixth tooth flat ground (FT). See charts below for additional components.

For plywood and melamine, the sets with 46-tooth outside blades are recommended.

Rated excellent by:

AMERICAN WOODWORKER   Fine WoodWorking


Melamine
Single & Double Sided

46 Teeth Only


Cabinet Plywood
Rip/Crosscut


Soft/Hardwood
Crosscut

18 & 24 Teeth

ØD	Hook Angle	*Teeth	Chippers	Grind	Kerf Range	Bore	Plastic Molded Case	Tool No.
6	+15°	18	1/8(x4), 1/16(x1)	ATB/FT	1/4 to 13/16	5/8	Yes	656030
8	−5°	12	1/4(x3)	ATB/FT	1/4 to 13/16	5/8	Yes	658012
8	−5°	24	1/8(x4), 1/16(x1)	ATB/FT	1/4 to 13/16	5/8	Yes	658030
8	−5°	24	1/8(x4), 1/16(x1)	ATB/FT	1/4 to 13/16	1	Yes	658030-1
8	−5°	46	1/8(x4), 1/16(x1)	ATB/FT	1/4 to 13/16	5/8	Yes	658040 †
8	−5°	46	1/8(x4), 1/16(x1)	ATB/FT	1/4 to 13/16	1	Yes	658040-1 †
10	+15°	24	1/8(x4), 1/16(x1)	ATB/FT	1/4 to 13/16	5/8	No	651030
10	+15°	24	1/8(x4), 1/16(x1)	ATB/FT	1/4 to 13/16	1	No	651030-1
12	+15°	24	1/8(x4), 1/16(x1)	ATB/FT	1/4 to 13/16	1	No	651230

† 8" x 46T set for super smooth cuts in cabinet grade plywoods and melamine.

* Teeth refers to the number of teeth for each outside saw blade.

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

Handheld reusable plastic molded case and shim set included in all 6" & 8" diameter dado sets

* P.H. denotes pin-hole configuration, if applicable.
Example: **2/10/60** = **2** @ **10**mm dia. on **60**mm circle.

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

DADO SHIM SETS

The perfect accessory for any dado set. Each set includes 14 color-coded plastic 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.

14 Piece Shim Set
DSS-100 Shown

Bore	Tool No.
5/8	DSS-100
1	DSS-101
30mm	DSS-102
1-1/4	DSS-103
5/8	DSS-106 *
5/8	DSS-108**

* #DSS-106 includes 10 shims.
** #DSS-108 includes 6 shims.

Each set includes the following:

	Thickness			
Quantity Shims	**Inch**	**mm**	**Color**	**OD**
5	0.002	0.05mm	Gold	60mm
1	0.005	0.15mm	Violet/Orange	60mm
4	0.010	0.25mm	Clear	60mm
4	0.020	0.50mm	White	60mm

DSS-106 includes the following:

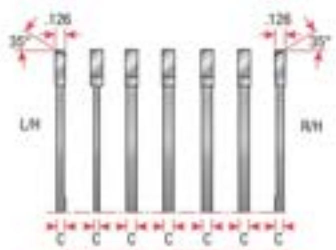
	Thickness			
Quantity Shims	**Inch**	**mm**	**Color**	**OD**
2	0.002	0.05mm	Silver	60mm
1	0.005	0.15mm	Violet	60mm
1	0.010	0.25mm	Clear	60mm
6	0.020	0.50mm	White	60mm

DSS-108 includes the following:

	Thickness			
Quantity Shims	**Inch**	**mm**	**Color**	**OD**
1	0.0039	0.1mm	Brass	70mm
5	0.0078	0.2mm	Gold	70mm

INDIVIDUAL DADO SET COMPONENTS: DADO CHIPPERS

Flat Top (FT) Grind • Two Teeth Per Chipper



3/32" Kerf Available

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.

		Order Number Chipper Thickness:	
OD	**Bore**	**'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
12	1	651612	—

† 8" 'Anti-Kickback' chippers.

DADO OUTSIDE BLADES

ATB Grind

OD	Bore	Teeth	Kerf	Order No. L/H	Order No. R/H
6	5/8	18	.126	656010	656010-R
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.

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

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 Inches	ØD mm	Teeth	'B' Kerf Inches	'B' Kerf mm	'C' Plate Inches	'C' Plate mm	Max RPM	Bore	Tool No.
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

POLYCRYSTALLINE (PCD) LAMELLO CUTTER New

Diamond Tipped • 3 Teeth

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 with the P system anchorage. Suitable for making furniture.

ØD	Teeth	Kerf	Bore	Pinholes	Tool No.
100.4mm	3	7mm	22mm	4/4/36	LAM100T3-PCD

Replacement parts: Bearing #47706; Screw #67096; Washer #67082.

INDUSTRIAL

ACM

Aluminum Composite Material

Saw Blades

ACM ADJUSTABLE WIDTH DOUBLE EDGE V-SCORING SAW BLADE SET

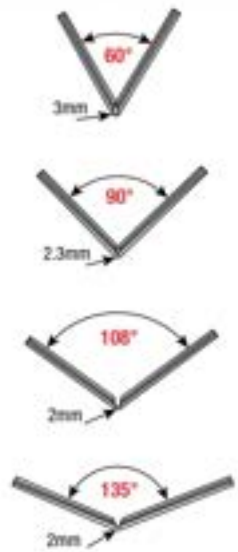
Carbide Tipped • V-Groove with 2.0 (0.080") - 3.0mm (0.118") V-Flat Bottom

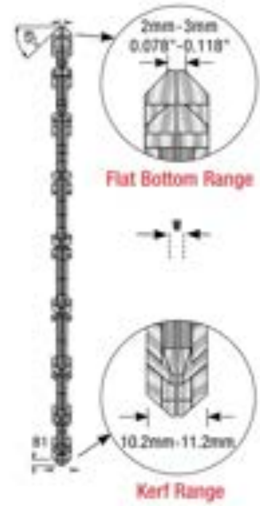
For 60°, 90°, 108° & 135° Folds

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™
- Etalbond®
- TCM
- Trespa®





OD	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 8-9

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

ACM 90° DOUBLE EDGE V-SCORING SAW BLADE

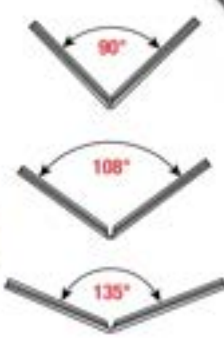
With Replaceable Carbide Insert Knives

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



OD	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 New
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 344-346.

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.

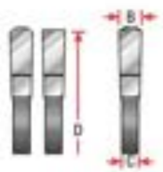
Replacement bushing: #BU-110 (5/8 x 1/2), #BU-125 (5/8 x 10mm).

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.

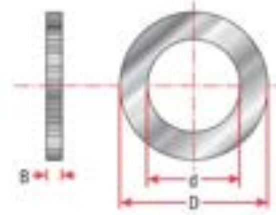
ØD	Teeth	'B' Kerf	'C' Plate	Bore	Tool No.
7-1/4	14	.120	.078	5/8◆	NC-820

◆ Denotes 5/8" arbor with diamond knock-out.

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

HIGH PRECISION SAW BLADE BORE REDUCTION BUSHINGS

Made in Germany



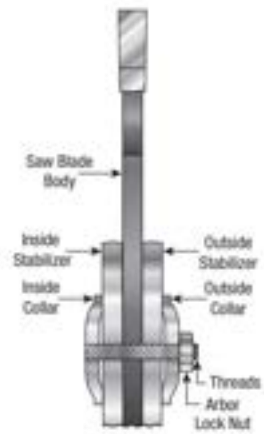
ØD	Ød	B	Tool No.
5/8	10mm	.053	BU-125
5/8	1/2	.060	BU-110
3/4	5/8	.062	BU-150
20mm	3/8	.060	BU-120
20mm	10mm	.038	BU-121 New
20mm	1/2	.062	BU-123
20mm	5/8	.062	BU-124
22mm	3/4	.062	BU-130
22mm	20mm	.070	BU-140
1	5/8	.086	BU-100
1	7/8	.097	BU-225
1	7/8	.110	BU-250
1	3/4	.075	BU-200
1	20mm	.097	BU-122
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 Diameter(s)	Tool No.
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

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

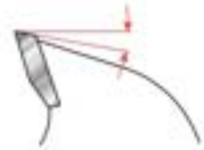
2. TOOTH ANGLES

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

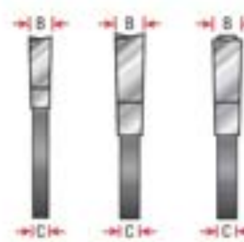
Kerf ('B')

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.

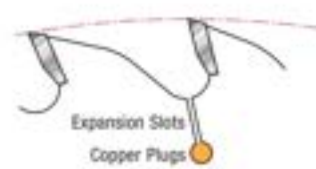


Expansion Slots

Allows the saw body 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** @ **10**mm dia. on **60**mm 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.

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

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.

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

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

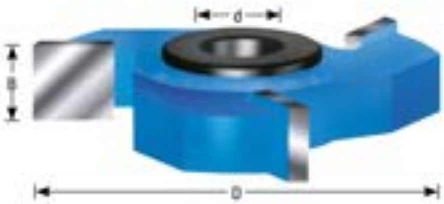
▲ **Warning**: See machine owner's manual for RPM guidelines.

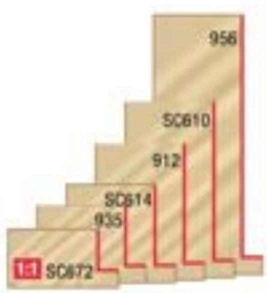
▲ **Warning**: Before use, read shaper cutter safety guidelines on page 391.

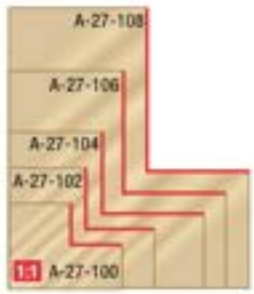
CARBIDE-TIPPED SHAPER CUTTERS

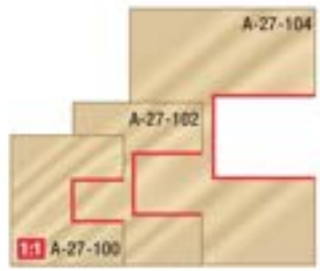
Over 250 different cutters for all your shaping needs. Extra-thick carbide tips offer many resharpenings and longer tool life. RPM rating: 12,000 and under. Cutters are furnished with either 1/2," 3/4" or 1-1/4" bore.

STRAIGHT EDGE









ØD	B	Ød	Tool No.
1-7/8	1/4	1/2 & 3/4	SC672
2-1/2	1/4	1 & 1-1/4	SC674
2-5/8	1/4	1/2 & 3/4	918 †
2-3/4	1/4	1/2 & 3/4	SC671
2-7/8	1/4	1/2 & 3/4	SC611
2-7/8	1/4	1 & 1-1/4	SC613
3-1/8	1/4	1/2 & 3/4	917
3-3/8	1/4	1 & 1-1/4	SC673
3-9/16	1/4	1 & 1-1/4	SC615
4	1/4	1-1/4	A-27-100
2-5/8	3/8	1/2 & 3/4	953 †
4	3/8	1-1/4	A-27-102
2	1/2	1/2	SC614
2-1/2	1/2	1/2 & 3/4	948
2-5/8	1/2	1/2 & 3/4	954
4	1/2	1-1/4	A-27-104
2-5/8	3/4	1/2 & 3/4	912
4	3/4	1-1/4	A-27-106
2	1	1/2	SC610
2-5/8	1	1/2 & 3/4	955
4	1	1-1/4	A-27-108
4	1-1/4	1-1/4	A-27-110
2-5/8	1-1/2	1/2 & 3/4	956
4	1-3/4	1-1/4	A-27-114
2-5/8	2	1/2 & 3/4	SC632
4	2	1-1/4	A-27-116

† 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 388-389.

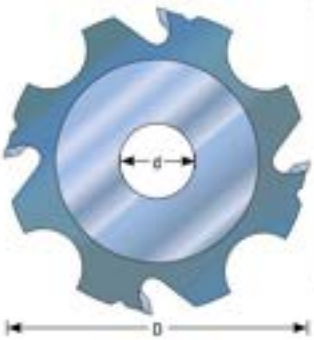
PRESTIGE™ MIGHTY ADJUSTABLE SUPER-FINE DADO/GROOVER SET

For Shapers • Accommodates Undersized Plywood • 4-Wing, ATB & FT Grind • 1/4" to 1"

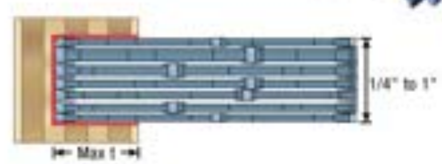
Our Prestige™ Dado Set cuts perfectly smooth edges, flat-bottom cuts and grooves both along and across the grain that are free of splinters or rough edges. This set consists of seven cutters made of a hard wearing steel tool body complete with four tungsten carbide tips. Ideal for producing different 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°	1/8	4	3/4	1-1/4	6,100-10,500	61374
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

PRESTIGE™ 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 #67254 includes the following:

Quantity Shims	Color	Thickness Inch	Thickness mm	Ød	ØD
5	Silver	0.002	0.05	3/4	2-1/4
6	Clear	0.010	0.25	3/4	2-1/4
8	White	0.020	0.50	3/4	2-1/4

Each Prestige™ 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 dadoes, grooves and tenons for strong mortise-and-tenon joinery.

Tenons

Dentil

Corner Lap

End Lap

Box Joints

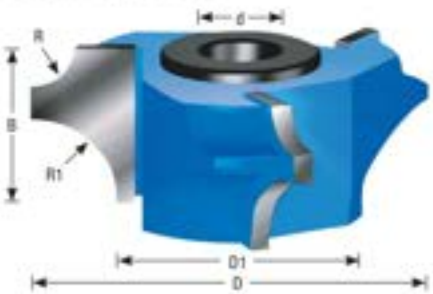
Ship Lap

Groove & Rabbets

*Rub collar for 1/2" arbor only! **Rub collar for 3/4" arbor only! ***Rub collar for 1-1/4" arbor only!

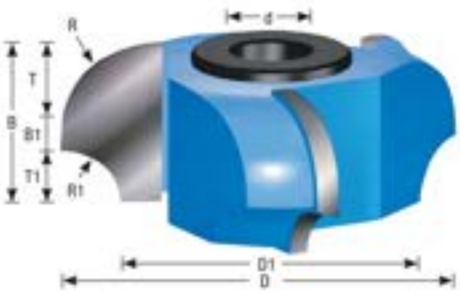
For rub collars & bushings, see pages 388-389.

CORNER ROUND



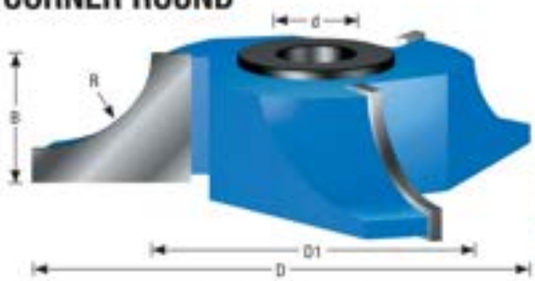
ØD	ØD1	B	R	R1	Ød	Rub Collar	Tool No.
2-5/8	1-5/8	15/16	1/4	1/2	1/2 & 3/4	C-005** C-011**	905

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

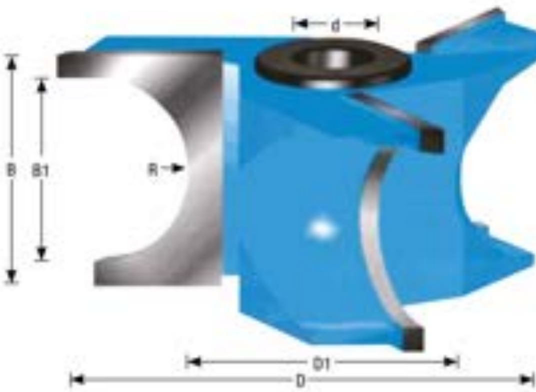
Description	ØD	ØD1	R	B	Ød	Rub Collar	Tool No.
Corner Round	4	3-3/4	1/8	3/8	1-1/4	C-038	A-30-100
Corner Round	4	3-5/8	3/16	7/16	1-1/4	C-037	A-30-102
Corner Round	4	3-1/2	1/4	1/2	1-1/4	C-035	A-30-104
Corner Round	4	3-3/8	5/16	9/16	1-1/4	C-034	A-30-108
Corner Round	4	3	1/2	3/4	1-1/4	C-032	A-30-110
Drop 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!

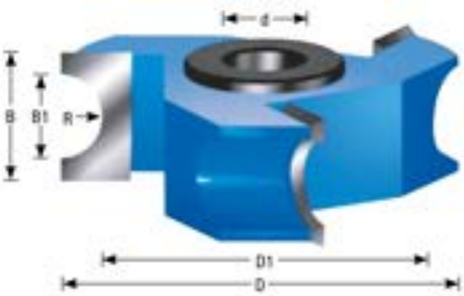
For rub collars & bushings, see pages 388-389.

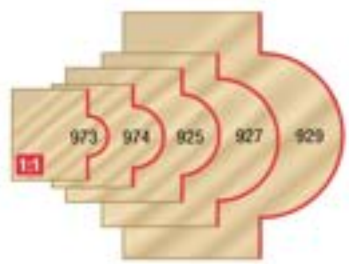
STAIR TREAD NOSE



ØD	ØD1	B	B1	R	Ød	Rub Collar	Tool No.
3-3/8	1-7/8	1-1/2	1-1/8	9/16	1/2 & 3/4	C-008**	932

BULL NOSE





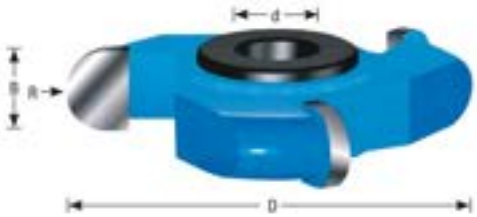
Description	ØD	ØD1	B	B1	R	Ød	Rub Collar	Tool No.
5/16 Bead	3	2-11/16	7/16	5/16	5/32	1/2 & 3/4	C-019 **	SC424
1/4 Bead	4	3-3/4	1/2	1/4	1/8	1-1/4	C-038	A-29-100
1/4 Bead	2-5/8	2-3/8	9/16	1/4	1/8	1/2 & 3/4	-	973 †
3/8 Bead	2-5/8	2-1/4	5/8	3/8	3/16	1/2 & 3/4	C-025 **	974
3/8 Bead	4	3-5/8	11/16	3/8	3/16	1-1/4	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	C-032	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	C-040 ***	SC570
1-1/2 Bead	3-13/16	2-5/16	2	1-1/2	3/4	1 & 1-1/4	C-040 ***	SC572
2 Bead	4-5/16	2-5/16	2-1/2	2	1	1 & 1-1/4	C-040 ***	SC574

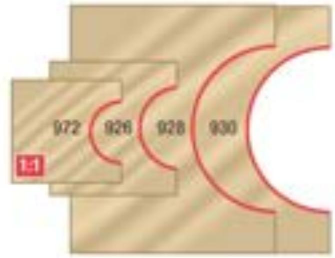
† Due to size, furnished with only one 1/2" x 3/4" bushing.

*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 388-389.

FLUTE (CONVEX)

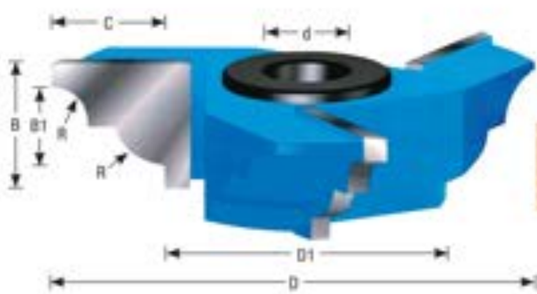




Description	ØD	B	R	Ød	Rub Collar	Tool No.
1/4 Flute	4	1/4	1/8	1-1/4	C-038	A-28-100
3/8 Flute	2-5/8	3/8	3/16	1/2 & 3/4	C-025 **	972 †
1/2 Flute	2-5/8	1/2	1/4	1/2 & 3/4	C-011 **	926
1/2 Flute	4	1/2	1/4	1-1/4	C-035	A-28-104
3/4 Flute	2-5/8	3/4	3/8	1/2 & 3/4	C-008 **	928
3/4 Flute	4	3/4	3/8	1-1/4	C-033	A-28-106
1 Flute	2-5/8	1	1/2	1/2 & 3/4	C-005 **	930
1 Flute	4	1	1/2	1-1/4	C-032	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

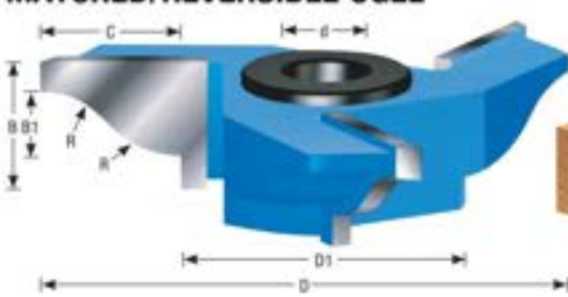
† Due to size, furnished with only one 1/2" x 3/4" bushing.

MATCHED/REVERSIBLE DETAIL BEAD & COVE



ØD	ØD1	B	B1	C	R	Ød	Rub Collar	Tool No.
3	1-3/4	3/4	1/2	5/8	15/64	1/2 & 3/4	C-006**	968

MATCHED/REVERSIBLE OGEE

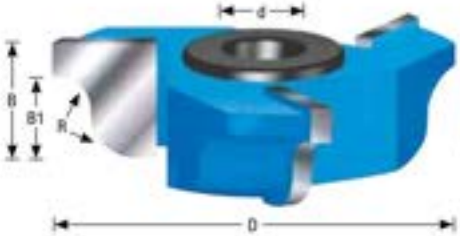


ØD	ØD1	B	B1	C	R	Ød	Rub Collar	Tool No.
3-1/4	1-3/4	7/8	3/8	3/4	1/2	1/2 & 3/4	C-006**	969

*Rub collar for 1/2" arbor only! **Rub collar for 3/4" arbor only! ***Rub collar for 1-1/4" arbor only!

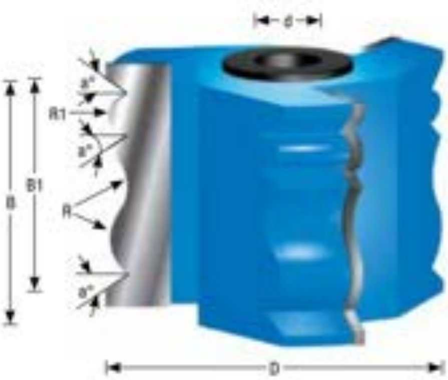
For rub collars & bushings, see pages 388-389.

MATCHED/REVERSIBLE OGEE



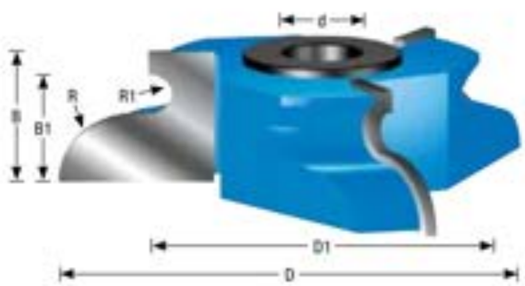
ØD	B	B1	R	Ød	Rub Collar	Tool No.
2-5/8	3/4	1/2	1/4	1/2 & 3/4	C-005**	906

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

OGEE & BEAD TABLE EDGE

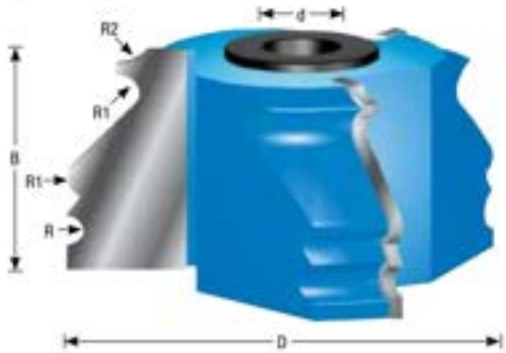


ØD	ØD1	B	B1	R	R1	Ød	Rub Collar	Tool No.
3-1/4	2-1/8	1	3/4	1/2	1/8	1/2 & 3/4	C-007**	958

*Rub collar for 1/2" arbor only! **Rub collar for 3/4" arbor only! ***Rub collar for 1-1/4" arbor only!

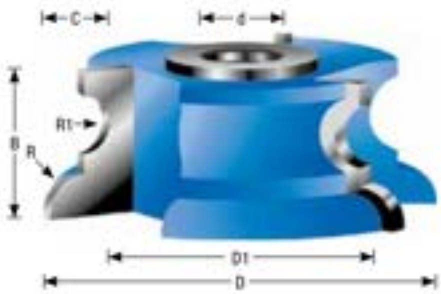
For rub collars & bushings, see pages 388-389.

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

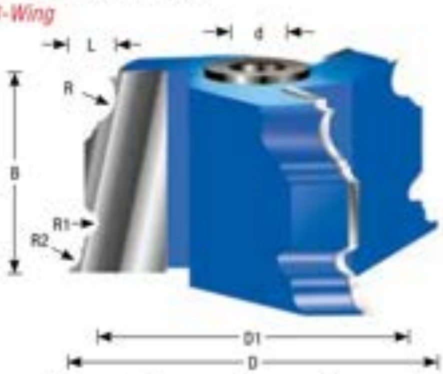
MOLDING



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



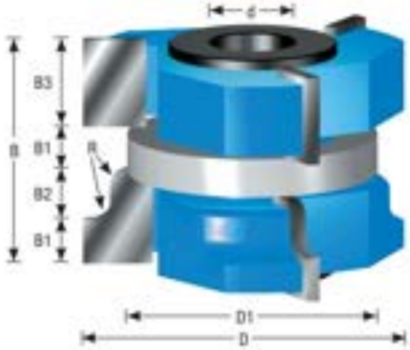
ØD	ØD1	B	R	R1	R2	L	Ød	Rub Collar	Tool No.
4-9/16	2-13/16	3-5/16	29/64	3/16	7/32	7/8	1 & 1-1/4	C-040***	SC668

*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 388-389.

WINDOW SASH

With Ball Bearing Rub Collar

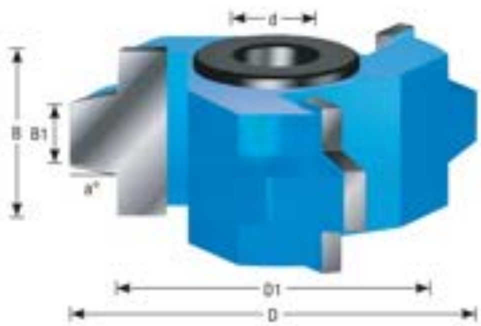


For this profile, use bottom cutter and rub collar only.

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	C-043**	939

*Rub collar for 1/2" arbor only! **Rub collar for 3/4" arbor only! ***Rub collar for 1-1/4" arbor only!

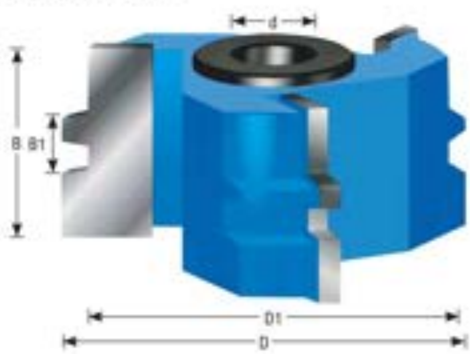
For rub collars & bushings, see pages 388-389.




ØD	ØD1	B	B1	a°	Ød	Rub Collar	Tool No.
2-5/8	2	15/16	11/32	9°	1/2 & 3/4	C-010**	904

Replacement 'T' bushing(s) #BU-550.

GLUE JOINT

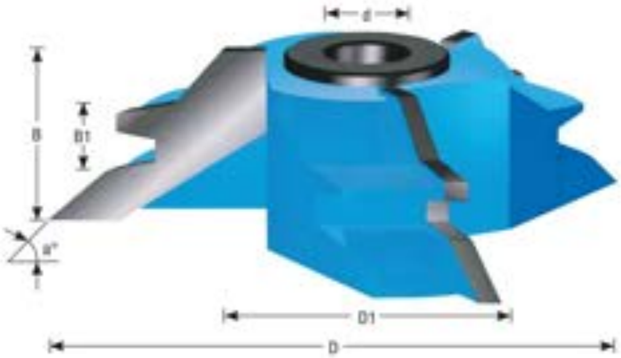



ØD	ØD1	B	B1	Ød	Rub Collar	Tool No.
2-5/8	2-1/4	1-3/16	3/8	1/2 & 3/4	C-025**	911
2-13/16	2-1/2	1-3/16	3/8	1 & 1-1/4	C-017***	SC617

*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 388-389.

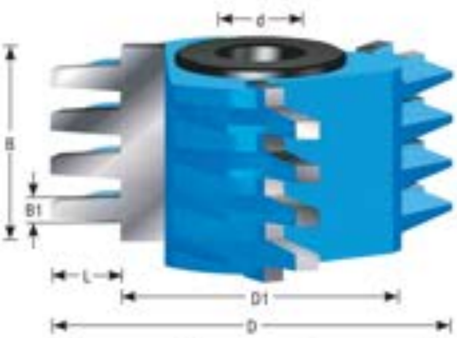
LOCK MITER



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.

FINGER JOINT

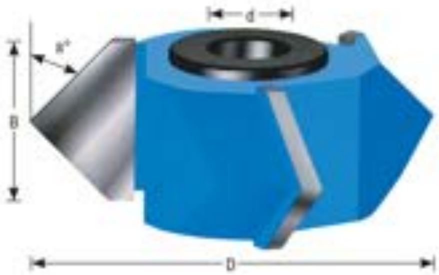


ØD	ØD1	B	B1	L	Ød	Rub Collar	Tool No.
2-7/8	2-1/8	1-1/2	11/32	3/8	1/2 & 3/4	C-011**	999
3	2-1/4	1-1/2	13/64	3/8	1 & 1-1/4	—	SC300

*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 388-389.

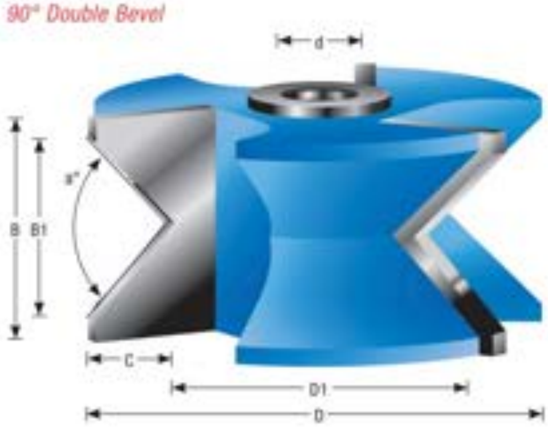
90° V-GROOVE



ØD	B	a°	Ød	Rub Collar	Tool No.
2-5/8	15/16	45°	1/2 & 3/4	—	957

BEVEL

90° Double Bevel

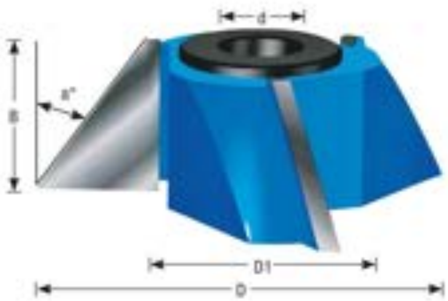


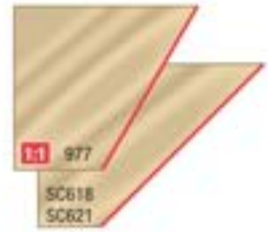
ØD	ØD1	B	B1	a°	C	Ød	Rub Collar	Tool No.
2-5/8	1-11/16	1-3/16	15/16	90°	15/32	1/2 & 3/4	C-005**	SC638

*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 388-389.

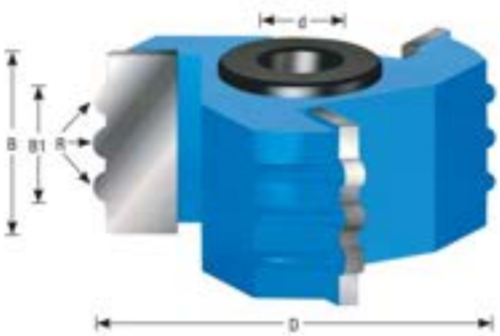
BEVEL





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

TRIPLE FLUTING



ØD	B	B1	R	Ød	Rub Collar	Tool No.
2-5/8	1	5/8	5/64	1/2 & 3/4	C-028**	961

*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 388-389.

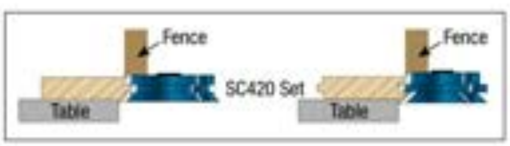
WAINSCOT/PANELING

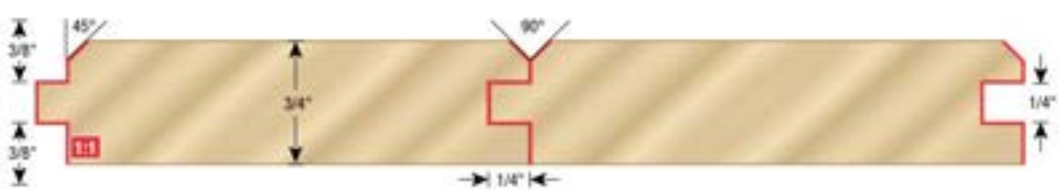
For 3/4" Material

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





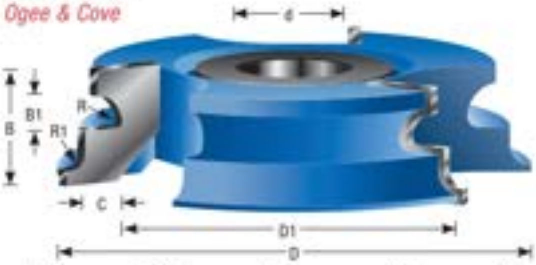
ØD	ØD1	B	a°	T	T1	L	Ød	Rub Collar	Tool No.
3-1/2	3	1	45°	1/4	3/8	1/4	1/2 & 3/4	C-016**	SC420 (SET)

*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 388-389.

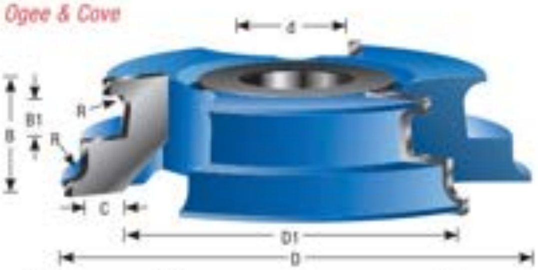
DOOR LIP

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

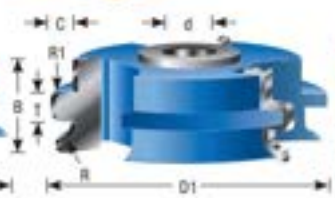
Ogee & Cove



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

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 New
3-1/4	2-25/32	7/8	1/4	11/32	1/4	1/8	1/16	1/2 & 3/4	C-029, 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, C-040***	SC451

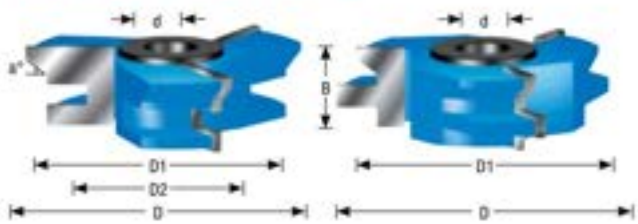
*Rub collar for 1/2" arbor only! **Rub collar for 3/4" arbor only! ***Rub collar for 1-1/4" arbor only!

For rub collars & bushings, see pages 388-389.

V-PANELING 2-PIECE SETS

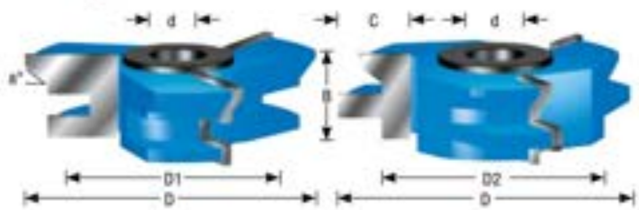
'V' paneling is a quick and easy way to add architectural detail to any room. These two-piece sets are perfectly matched so that you can shape precisely milled paneling strips in any wood species.

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

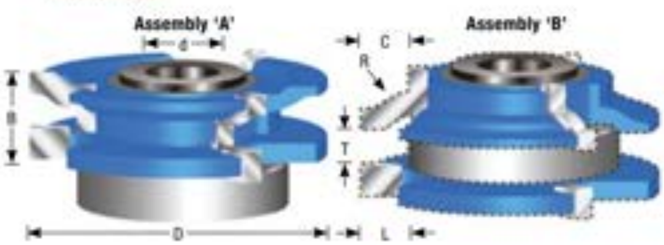
V-Paneling Cutter Set



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, C-043**	3/4 - 1	SC642

REVERSIBLE STILE & RAIL CABINET DOOR SETS WITH BALL BEARING FOR 3/4" TO 1-1/4" MATERIAL

Roman Ogee



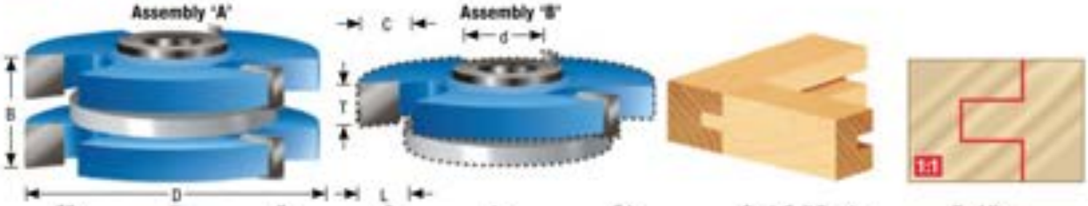
ØD	B	R	T	C	L	Ød	Repl. Ball Bearing	Tool No.
2-13/32	1	5/16	1/4	3/8	3/8	1/2 & 3/4	47757 (42mm x 3/4 x 9mm)	SC586
2-29/32	1	5/16	1/4	3/8	5/8	1/2 & 3/4	47757 (42mm x 3/4 x 9mm)	SC579

*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 388-389.

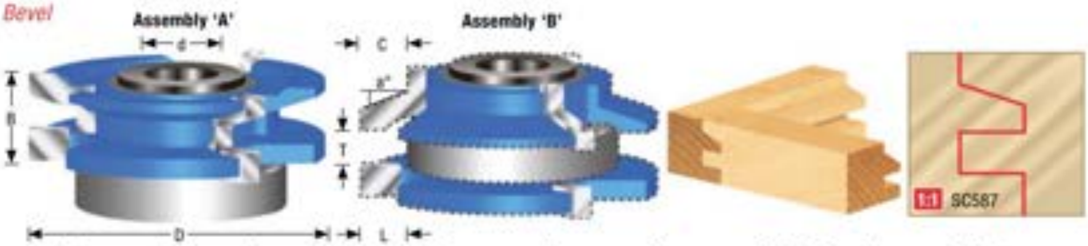
REVERSIBLE STILE & RAIL CABINET DOOR SETS WITH BALL BEARING FOR 3/4" TO 1-1/4" MATERIAL (CONT'D)

Tongue & Groove



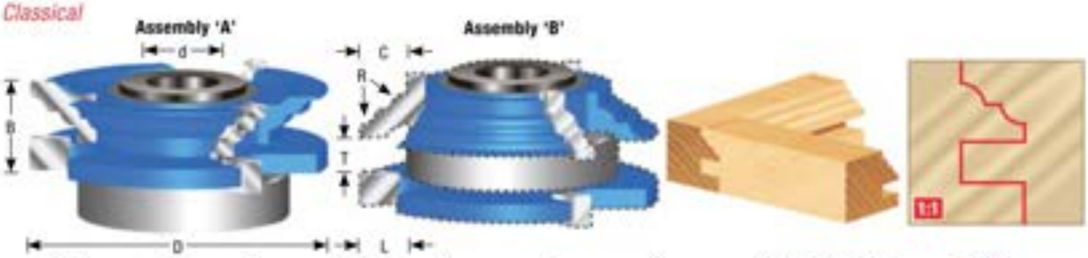
ØD	B	T	C	L	Ød	Repl. Ball Bearing	Tool No.
2-13/32	3/4	1/4	3/8	3/8	1/2 & 3/4	47757 (42mm x 3/4 x 9mm)	SC577

Bevel



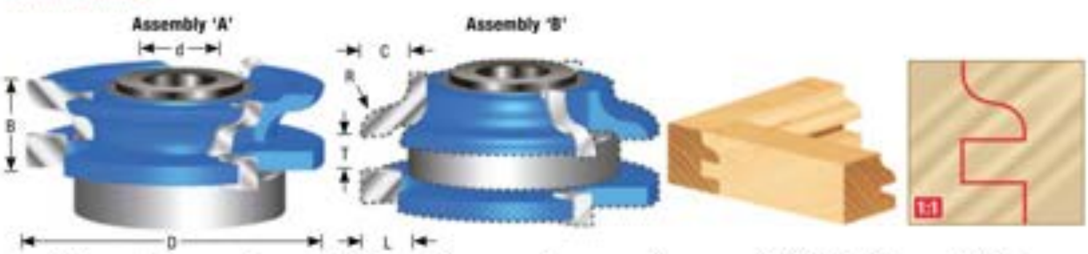
ØD	B	a°	T	C	L	Ød	Repl. Ball Bearing	Tool No.
2-13/32	1	18.6°	1/4	3/8	3/8	1/2 & 3/4	47757 (42mm x 3/4 x 9mm)	SC587
2-1/2	1-1/4	45°	1/4	3/8	3/8	1/2 & 3/4	47757 (42mm x 3/4 x 9mm)	SC597

Classical



ØD	B	R	T	C	L	Ød	Repl. Ball Bearing	Tool No.
2-13/32	1	9/64	1/4	3/8	3/8	1/2 & 3/4	47757 (42mm x 3/4 x 9mm)	SC588

Convex/Concave



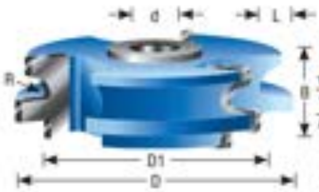
ØD	B	R	T	C	L	Ød	Repl. Ball Bearing	Tool No.
2-13/32	1	3/16	1/4	3/8	3/8	1/2 & 3/4	47757 (42mm x 3/4 x 9mm)	SC589

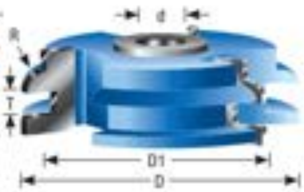
*Rub collar for 1/2" arbor only! **Rub collar for 3/4" arbor only! ***Rub collar for 1-1/4" arbor only!

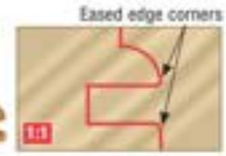
For rub collars & bushings, see pages 388-389.

STILE & RAIL CABINET DOOR SET FOR 5/8" TO 3/4" MATERIAL

Concave With Eased Edge





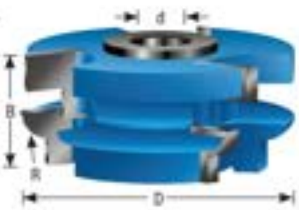



ØD	ØD1	B	T	L	R	Ød	Rub Collar	Tool No.
3	2-9/32	3/4	1/4	11/32	1/4	1/2 & 3/4	C-014**	SC441

STILE & RAIL CABINET DOOR SETS FOR 3/4" TO 1" MATERIAL

These Stile & Rail sets are great for making cabinet doors.

Concave



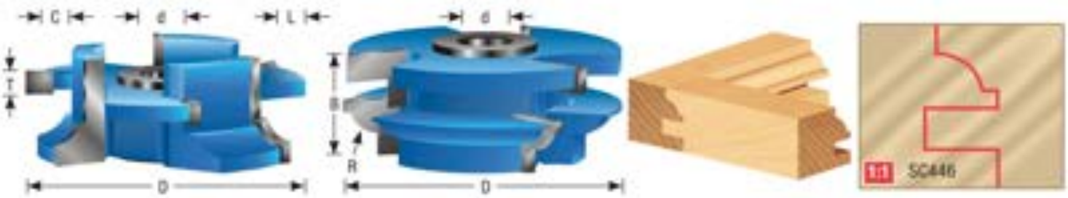

ØD	C	B	T	L	R	Ød	Rub Collar	Tool No.
2-7/16	1/4	1	1/4	7/16	15/64	1/2 & 3/4	C-009**	SC440
3-9/16	1/4	1	1/4	7/16	1/4	1 & 1-1/4	C-019, C-021, C-032***	SC540

*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 388-389.

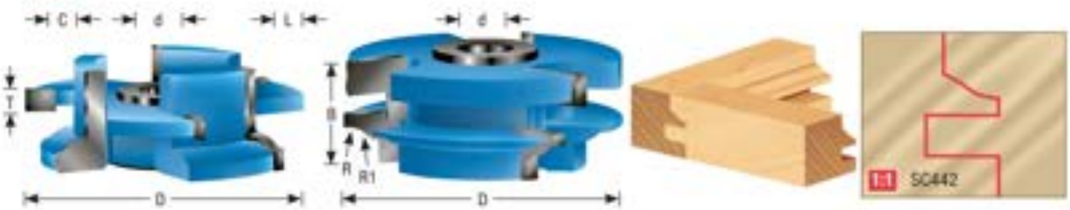
STILE & RAIL CABINET DOOR SETS FOR 3/4" MATERIAL

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 388-389.

INDUSTRIAL

Tongue & Groove

Cabinet Doors with Flat Panel

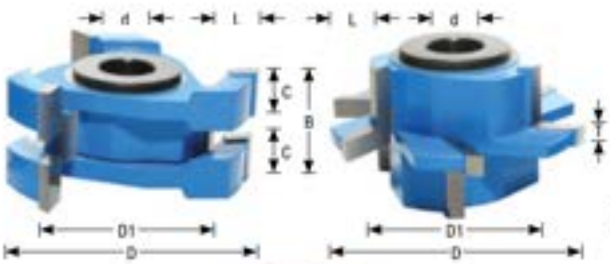
- Cut precise grooves to accommodate undersized plywood
- Rattle-free fit
- Mission/Shaker style

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 212-213 for Instile & Rail System™ Adjustable Tongue & Groove Router Bit Sets.

See Page 387 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	C-051***	SC553

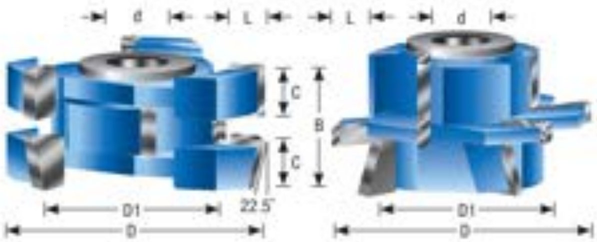
*Rub collar for 1/2" arbor only! **Rub collar for 3/4" arbor only! ***Rub collar for 1-1/4" arbor only!

For rub collars & bushings, see pages 388-389.

instile & RAIL SYSTEM — MISSION STYLE FLAT PANEL CABINET DOOR MAKING SET

ADJUSTABLE TONGUE & GROOVE CABINET DOOR SET 5/8" TO 1-1/4" MATERIAL

Accommodates Undersized Plywood • Straight With 22.5° Bevel (Shaker)



Minimum

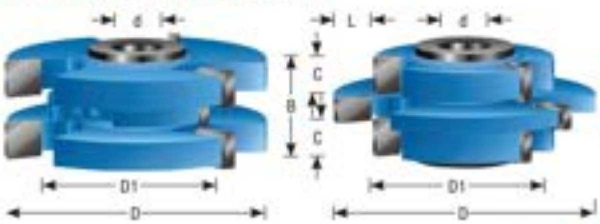
Maximum

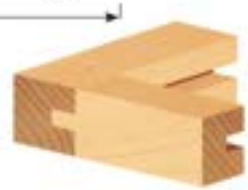
ØD	ØD1	B	C	T	L	Ød	Rub Collar	Tool No.
2-3/8	1-5/8	1-1/16 to 1-21/64	7/16	3/16 to 9/32	3/8	1/2 & 3/4	C-005**	SC565
2-7/8	2-1/8	1-1/16 to 1-21/64	7/16	3/16 to 9/32	3/8	1 & 1-1/4	-	SC566 New

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





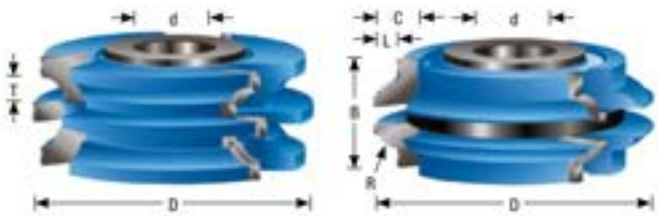
ØD	ØD1	B	C	T	L	Ød	Rub Collar	For Material	Tool No.
2-3/4	1-7/8	1	3/8	1/4	7/16	1/2 & 3/4	C-008**	5/8 to 1	SC554
2-3/4	1-7/8	1-3/4	11/16	3/8	7/16	1/2 & 3/4	C-008**	3/4 to 1-3/4	SC558
3-1/4	2-3/8	1-3/4	11/16	3/8	7/16	1 & 1-1/4	-	3/4 to 1-3/4	SC557
3-3/8	2-1/2	1-1/8	7/16	1/4	7/16	1 & 1-1/4	C-017***	5/8 to 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 388-389.

STILE & RAIL CABINET DOOR SET FOR 1" TO 1-3/8" MATERIAL

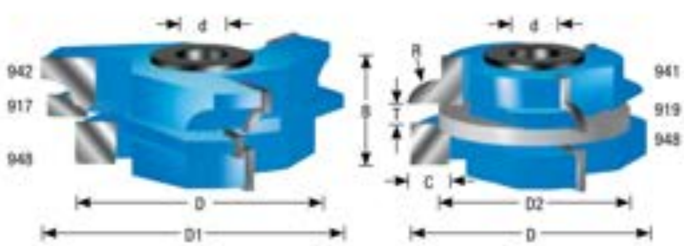
Bead



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

Includes:

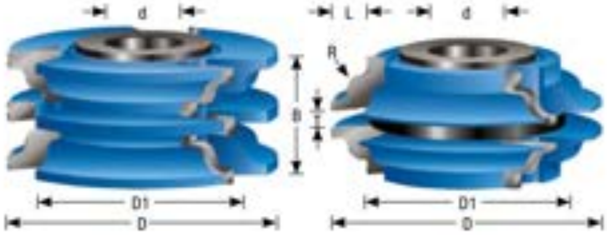
Concave stile	941
Rail for concave stile	942
1/2" straight (2 pcs.)	948
1/4" straight	917
Steel spacer	919
'T' bushing, 1/2" x 3/4" (4 pcs.)	BU-550
Sleeve bushing, 1/2" x 3/4" x 3/4" long (2 pcs.)	BU-910

*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 388-389.

STILE & RAIL CABINET DOOR SETS FOR 1-3/8" MATERIAL

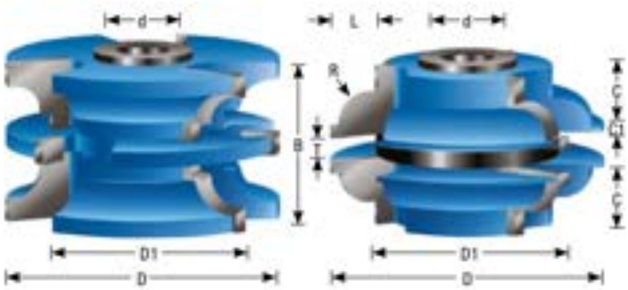
Ogee



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



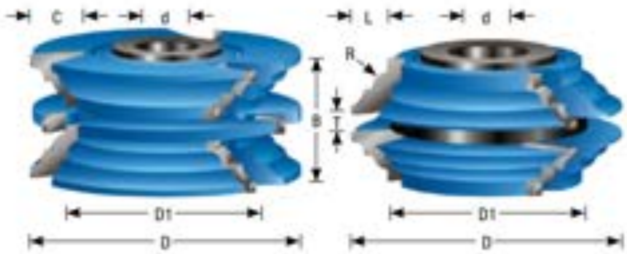
ØD	D1	B	L	C	C1	R	T	Ød	Rub Collar	Tool No.
2-27/32	1-27/32	1-9/16	1/2	17/32	1/8	5/16	7/32	1/2 & 3/4	—	SC582
3-9/16	2-9/16	1-9/16	1/2	17/32	1/8	5/16	7/32	1 & 1-1/4	C-018***	SC583

*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 388-389.

STILE & RAIL CABINET DOOR SETS FOR 1-3/8" TO 1-5/8" MATERIAL

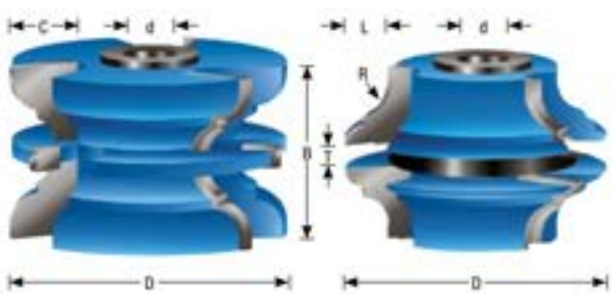
Bead & Cove



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



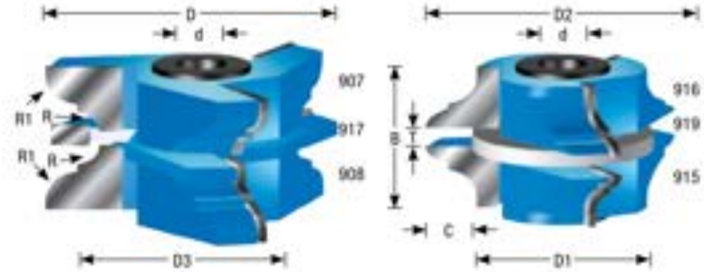
ØD	C	B	T	L	R	Ød	Rub Collar	Tool No.
2-7/8	1/2	1-3/4	1/4	1/2	21/64	1/2 & 3/4	C-008**	SC590

*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 388-389.

STILE & RAIL EXTERIOR DOOR SET FOR 1-3/4" MATERIAL

Cove & Bead

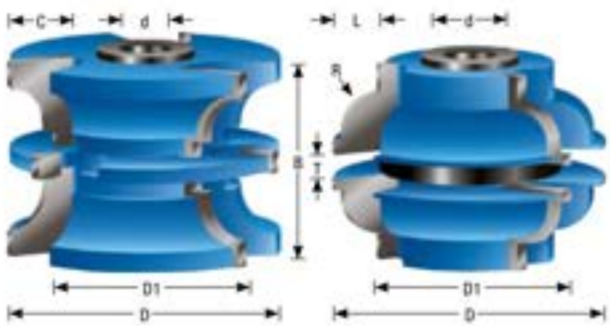


ØD	ØD1	ØD2	ØD3	T	C	B	R	R1	Ød	Rub Collars	Tool No.
3-1/8	1-7/8	2-15/16	2-1/16	1/4	17/32	1-3/4	15/64	11/32	1/2 & 3/4	C-008, C-022**	922 †

† For replacement cutters, see references in above drawing.

STILE & RAIL EXTERIOR DOOR SETS FOR 1-3/4" TO 2-1/8" MATERIAL

Bead



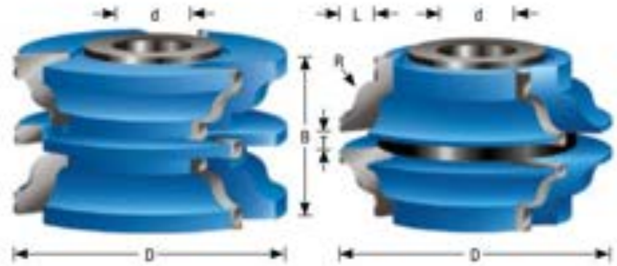
ØD	ØD1	C	B	T	L	R	Ød	Rub Collar	Tool No.
3-11/32	2-5/16	33/64	1-31/32	1/4	9/16	25/64	1 & 1-1/4	C-040***	SC593
2-7/8	1-13/16	17/32	2	1/4	9/16	25/64	1/2 & 3/4	—	SC592
3-17/32	2-17/32	1/2	2-1/8	1/2	1/2	25/64	1 & 1-1/4	C-018***	SC596

*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 388-389.

STILE & RAIL EXTERIOR DOOR SET FOR 2" MATERIAL

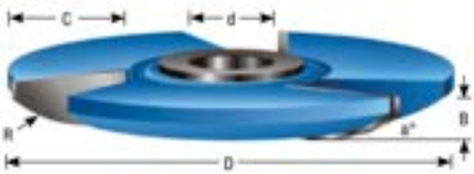
Ogee



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

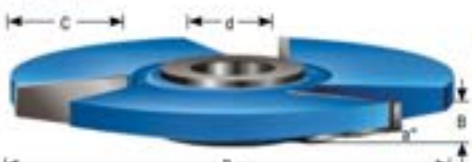
RAISED PANEL FOR 5/8" MATERIAL

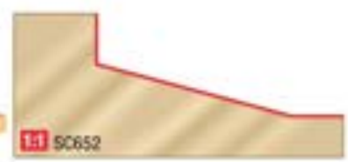
Cove



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





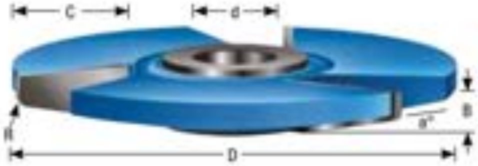
ØD	B	C	a°	Ød	Rub Collar	Tool No.
4-5/8	5/8	1-3/16	15°	1/2 & 3/4	C-005**	SC652
5-1/2	5/8	1-1/2	12°	1 & 1-1/4	C-017***	SC516

*Rub collar for 1/2" arbor only! **Rub collar for 3/4" arbor only! ***Rub collar for 1-1/4" arbor only!

For rub collars & bushings, see pages 388-389.

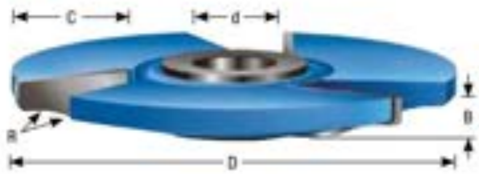
RAISED PANEL FOR 5/8" MATERIAL

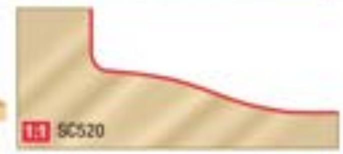
Traditional



ØD	B	C	R	a°	Ød	Rub Collar	Tool No.
5-1/2	5/8	1-1/2	1/8	12°	1 & 1-1/4	C-007***	SC518

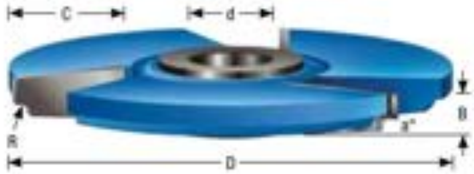
Ogee





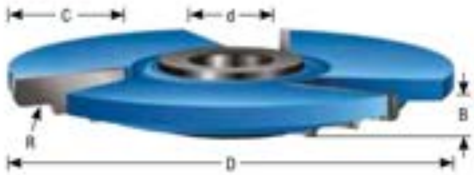
ØD	B	C	R	Ød	Rub Collar	Tool No.
4-5/8	5/8	1-3/16	1-1/2	1/2 & 3/4	C-005**	SC654
5-1/2	5/8	1-1/2	1-9/16	1 & 1-1/4	C-017***	SC520

Classical



ØD	B	C	R	a°	Ød	Rub Collar	Tool No.
5-1/2	5/8	1-1/2	5/32	7°	1 & 1-1/4	C-017***	SC522

Classical



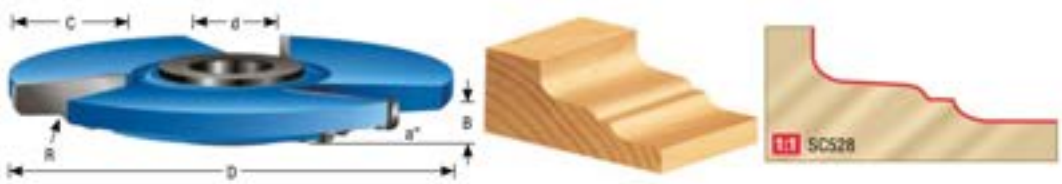
ØD	B	C	R	Ød	Rub Collar	Tool No.
5	5/8	1-1/2	1/8	1/2 & 3/4	C-010**	SC690

*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 388-389.

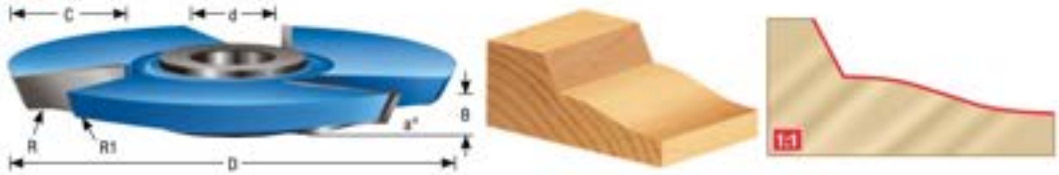
RAISED PANEL FOR 5/8" MATERIAL

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

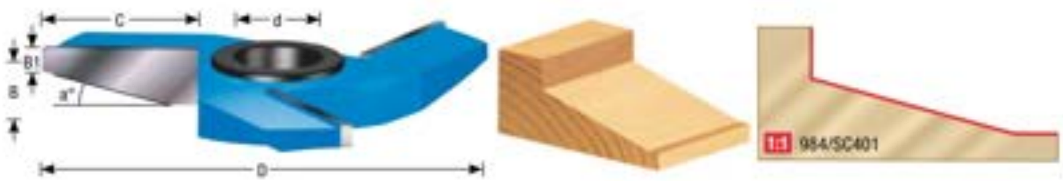
Ogee

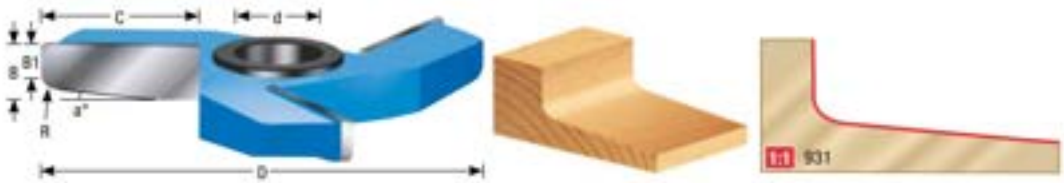


ØD	B	C	R	R1	a°	Ød	Rub Collar	Tool No.
5-1/2	5/8	1-1/2	1-5/16	1-15/16	28°	1 & 1-1/4	C-017***	SC530

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).

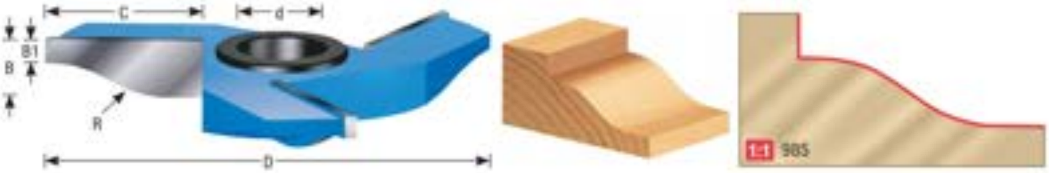
*Rub collar for 1/2" arbor only! **Rub collar for 3/4" arbor only! ***Rub collar for 1-1/4" arbor only!

For rub collars & bushings, see pages 388-389.

RAISED PANEL FOR 11/16" MATERIAL

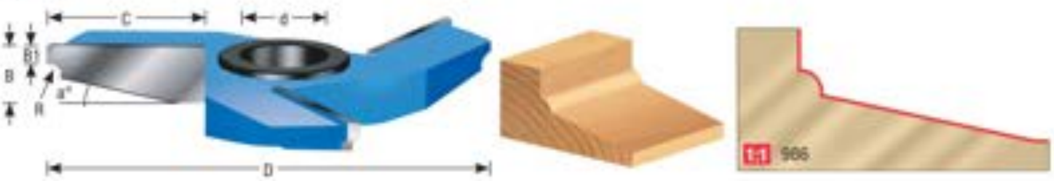
Horizontal Panel Raising / Shear Face

Ogee



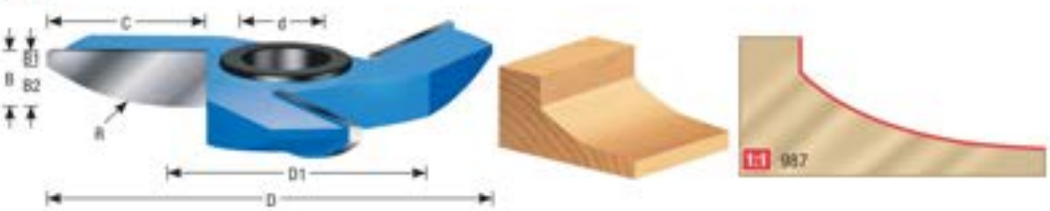
ØD	B	B1	R	C	Ød	Rub Collar	Tool No.
4-5/8	11/16	9/32	7/8	1-1/2	1/2 & 3/4	C-005**	SC403
5-1/2	11/16	9/32	3/4	1-1/2	1 & 1-1/4	C-017***	985

Classical



ØD	B	B1	R	C	a°	Ød	Rub Collar	Tool No.
4-5/8	11/16	11/32	1/8	1-1/2	12°	1/2 & 3/4	C-005**	SC405
5-1/2	11/16	11/32	1/8	1-1/2	12°	1 & 1-1/4	C-017***	986

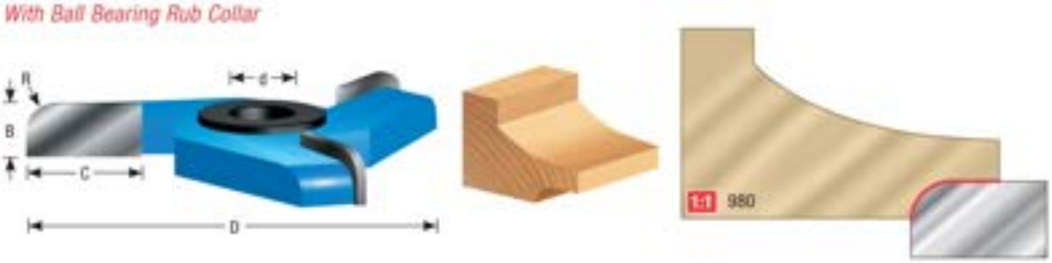
Cove



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



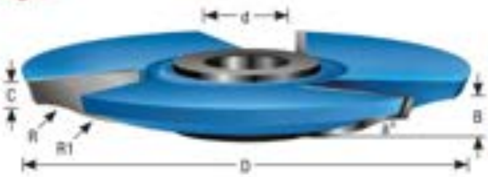
ØD	B	R	C	Ød	Rub Collar	Tool No.
3-1/2	1/2	1/4	7/8	1/2 & 3/4	C-006**	980
3-39/64	1/2	1/4	7/8	1 & 1-1/4	C-045***	989

*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 388-389.

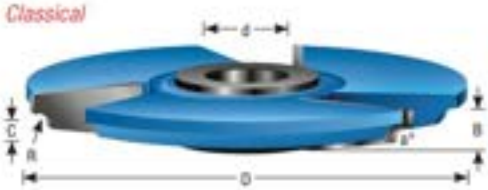
RAISED PANEL FOR 3/4" MATERIAL

Ogee



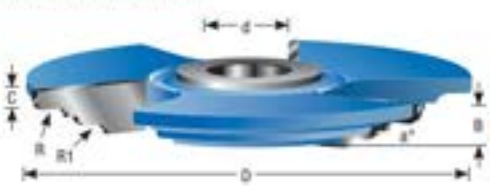
ØD	B	C	R	R1	a°	Ød	Rub Collar	Tool No.
4-15/16	11/16	3/8	1-31/32	1-3/8	23°	1/2 & 3/4	C-004**	SC408
5-1/2	5/8	5/16	1-31/32	1-31/32	23°	1 & 1-1/4	C-017***	SC508

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!

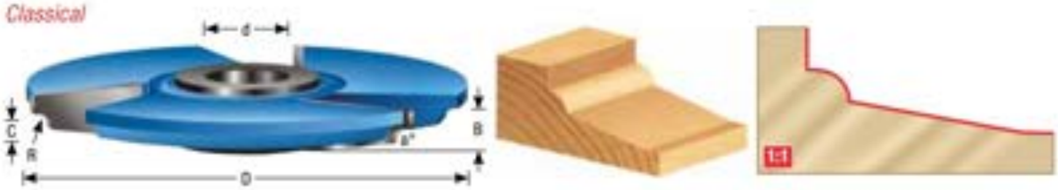
For rub collars & bushings, see pages 388-389.

RAISED PANEL FOR 3/4" MATERIAL

Ogee

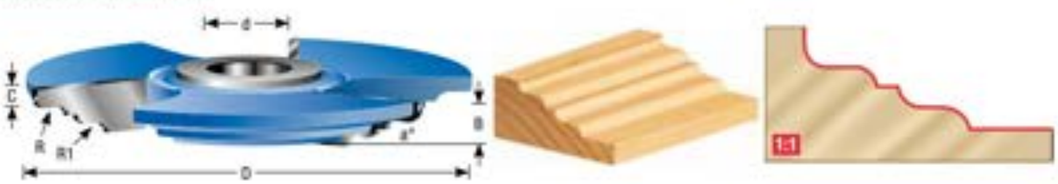
ØD	B	C	R	R1	a°	Ød	Rub Collar	Tool No.
4-15/16	11/16	3/8	1-31/32	1-3/8	23°	1/2 & 3/4	C-004**	SC408
5-1/2	5/8	5/16	1-31/32	1-31/32	23°	1 & 1-1/4	C-017***	SC508

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 388-389.

INDUSTRIAL Insert Carbide Shaper Cutters

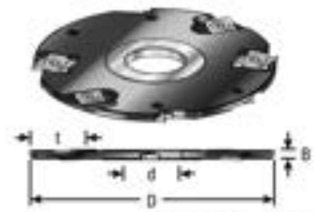
▲ **Warning**: Before use, read shaper cutter safety guidelines on page 391.

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.

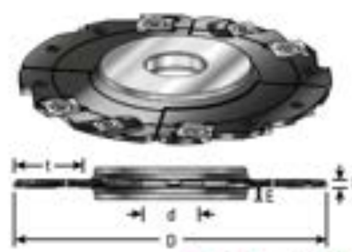


ØD	B	Teeth	Ød	Max. t	RPM	Repl. Knife		Tool No.
125mm(5)	4mm(5/32)	4+4	1-1/4	35mm(1-3/8)	6,100-10,500	RCK-18	RCK-71	61451
125mm(5)	5mm(3/16)	4+4	1-1/4	35mm(1-3/8)	6,100-10,500	RCK-19	RCK-71	61453
125mm(5)	1/4	4+4	1-1/4	35mm(1-3/8)	6,100-10,500	RCK-33	RCK-71	61466
180mm(7-1/16)	4mm(5/32)	8+8	1-1/4	55mm(2-5/32)	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.



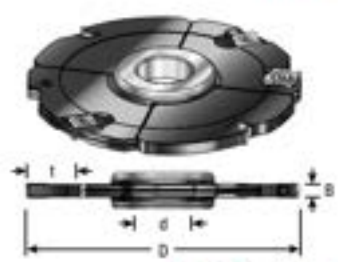
ØD	B	Teeth	E	Ød	Max. t	RPM	Repl. Knife		Tool No.
160mm(6-5/16)	4 to 7.5mm(5/32 to 19/64)	8+4	6.35(1/4)	1-1/4	30mm(1-3/16)	4,800-8,300	RCK-18	RCK-71	61350
180mm(7-1/16)	4 to 7.5mm(5/32 to 19/64)	8+4	6.35(1/4)	1-1/4	40mm(1-1/2)	4,300-7,500	RCK-18	RCK-71	61352

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.

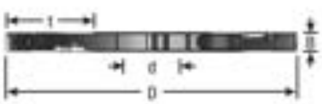
With Scorer And Ring Nut 4mm to 7.5mm

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

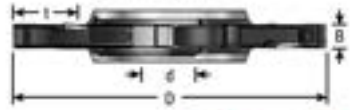
Hard wearing steel body complete with tungsten carbide knives and scorer for improved finish. Suitable for producing grooves and slots in softwood, hardwood and man-made boards (with or without coating) on a spindle molder.

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)	10mm(13/32)	4+4	1-1/4	35mm(1-3/8)	6,100-10,500	AMA-18	HCK-70	61412
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.

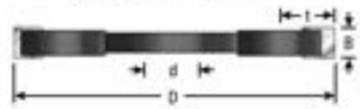


ØD	B	Teeth	Ød	Max. t	RPM	Repl. Knife		Tool No.
160mm(6-5/16)	8 to 15mm(5/16 to 19/32)	4+4	1-1/4	30mm(1-3/16)	4,800-8,300	AMA-17	RCK-70	61360
160mm(6-5/16)	12.5 to 24mm(1/2 to 15/16)	4+4	1-1/4	30mm(1-3/16)	4,800-8,300	AMA-19	RCK-70	61362
180mm(7-1/16)	12.5 to 24mm(1/2 to 15/16)	4+4	1-1/4	40mm(1-1/2)	4,300-7,500	AMA-19	RCK-70	61366

INTERMEDIATE STACKABLE

7mm, 15mm and 20mm Kerfs

Expand the range of the shim-type adjustable groovers with these intermediate cutters. Works like a stackable dado set: sandwich one or more of the intermediate cutters between a pair of the groovers (model #'s 61350, 61352, 61360, 61362, 61366). Find the coarse groove width by stacking the appropriate selection of cutters on the shaper spindle, and fine-tune the width by shimming the outside groovers.

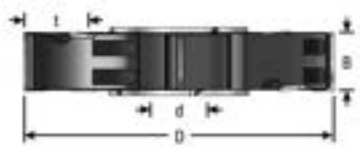


ØD	B	Teeth	Ød	Max. t	RPM	Repl. Knife	Tool No.
160mm(6-5/16)	15mm(19/32)	2	1-1/4	30mm(1-3/16)	4,800-8,300	ICK-15	61386
160mm(6-5/16)	20mm(25/32)	2	1-1/4	30mm(1-3/16)	4,300-7,500	ICK-20	61388

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

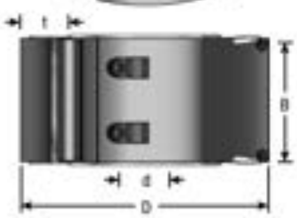
Replacement screw for 61355 is #67155.
Replacement screw for ICK-30 & ICK-50 #67301.
Replacement screw for ICK-60 #67142.

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)	2+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 New

#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	RPM	Abrasive Replacement	Rub Collar	Tool No.
60mm(2-3/8)	100mm(4)	1-1/4	4,500	AB61293	61596	61293

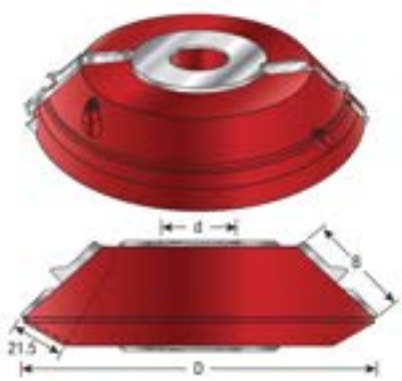
Replacement abrasive material = AB61293 (9"x3") 80 grit paper.

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 in7.5° increments by using notched scale.

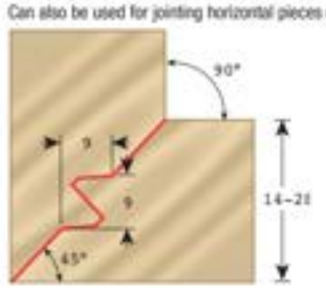
ØD	B	a°	Ød	RPM	Repl. Knife	Tool No.
110mm(4-11/32)	40mm(1-1/2)	-45.0° to +45.0°	1-1/4	7,000-9,000	RCK-40	61303
120mm(4-3/4)	40mm(1-1/2)	-45.0° to +45.0°	1-1/4	6,000-8,500	RCK-40	61304 *
130mm(5-1/8)	50mm(2)	-67.5° to +67.5°	1-1/4	5,000-8,500	ICK-50	61306
150mm(5-7/8)	50mm(2)	-90.0° to +90.0°	1-1/4	5,100-7,400	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

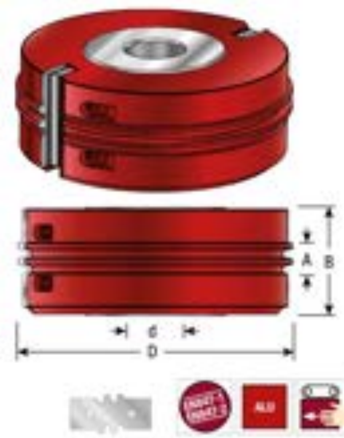
Cutterhead bodies in hard wearing aluminum, complete with tungsten carbide knives. Suitable for producing glue joints in softwood, hardwood and man-made boards on a spindle molder.

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	Profile	A	Ød	RPM	Repl. Knife	Tool No.
120mm(4-3/4)	60mm(2-3/8)	1	7.7mm(5/16)	1-1/4	6,500-9,500	RCK-83	61258

LAMELLO® BISCUIT JOINT

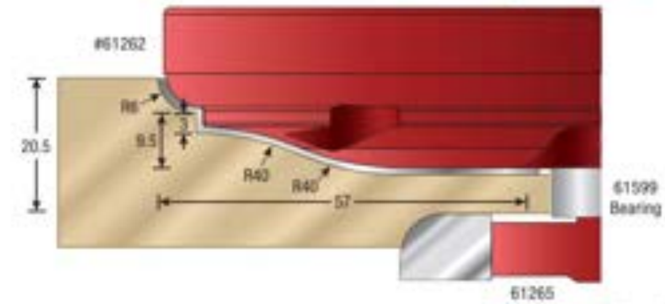
Hard wearing steel body complete with tungsten carbide knives and scorers. Suitable for producing grooves and slots in softwood, hardwood and man-made boards for biscuit jointing. For use with most biscuit jointing machines.

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

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.

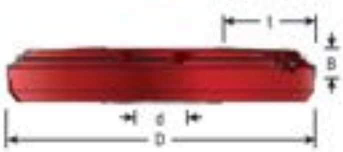
#61262 with back cutter #61265 and bearing #61599

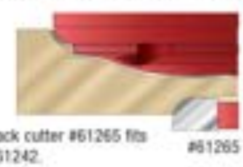


Type	ØD	R	B	Ød	Max. t	RPM	Repl. Knife	Rub Collar	Tool No.
Raised Panel	180mm(7-1/16)	—	25mm(1)	1-1/4	57(2-1/4)	4,500-7,500	RCK-78	61599	61262
Back Cutter	104mm(4-3/32)	5/16	18mm(23/32)	1-1/4	—	7,600-10,000	RCK-132	—	61265

RAISED PANEL

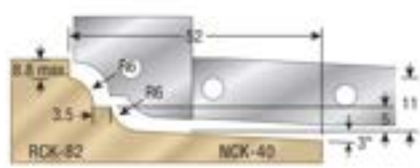
Cutterhead in hard wearing aluminum, complete with two tungsten carbide knives and two scribes. Suitable for producing various raised panel profiles in softwood, hardwood and man-made boards. Raising or lowering the cutterhead on the spindle molder produces different profiles.

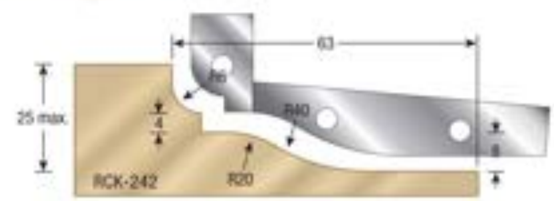




Back cutter #61265 fits #61242.

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	—	61242
Back Cutter	104mm(4-3/32)	5/16	18mm(23/32)	1-1/4	—	7,600-10,000		—	—	61265

INDUSTRIAL

Adjustable

Insert Shaper Cutters

- Create "rattle-free" cabinet doors
- Designed to accommodate undersized plywood flat panels

ADJUSTABLE TONGUE & GROOVE SET

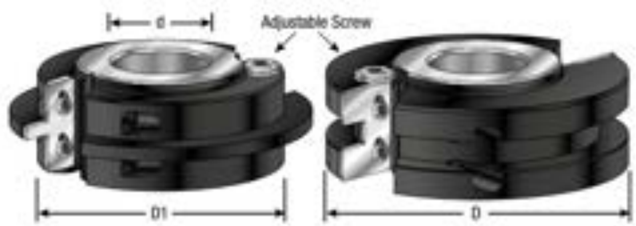
The perfect fix for undersized plywood flat panel "Mission Style, Arts & Crafts and Shaker" cabinet doors.

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		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.



See Pages 214 for Instile & Rail System™ Adjustable Tongue & Groove Router Bit Sets.

See Page 366 for Instile & Rail System™ Adjustable Tongue & Groove Shaper Cutters Sets.

Adjust the panel groove width 3/16" to 5/16"

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.
SC602, SC604, SC606	1/2	1.250 (1-1/4)	5/16	C-002
993	1/2	1.500 (1-1/2)	5/16	47806 *
939, SC624, SC642	3/4	1.457	9.5mm	C-043
977	3/4	1.500 (1-1/2)	9.5mm	C-044
905, 950, 906, 929, 930, SC626, SC636, SC638, SC650, SC652, SC654, SC656, SC658	3/4	1.625 (1-5/8)	7/16	C-005
SC586, SC587, SC588, SC589	3/4	42mm (1-21/32)	9mm	47757
900, 901, 968, 969, 980, 998, 991, SC410, SC412 SC414, SC630, SC640, SC646	3/4	1.750 (1-3/4)	7/16	C-006
921, 922, 927, 928, 932, 938, 940, SC554, SC558, SC590, SC634, SC648	3/4	1.874 (1-7/8)	7/16	C-008
964, 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
902, 903, 904, 951, 966, SC442, SC644, SC446	3/4	2.000	7/16	C-010
922	3/4	2.063	7/16	C-022
SC585	3/4	2.031 (2-1/32)	7/16	C-039
905, 925, 926, 959, 999, SC618, SC640	3/4	2.125 (2-1/8)	7/16	C-011
972, 974, SC628	3/4	2.250 (2-1/4)	7/16	C-025
	3/4	2.272	7/16	C-013
933, 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
960, 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
934, 935, 937	3/4	2.555	7/16	C-029
984-VC, 987-VC, SC432	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
SC593	1-1/4	2.312 (2-5/16)	1/2	C-040
931, 984, 985, 985-LH, 986, 987, A-30-114, A-30-116, A-30-118, A-30-120, SC420, SC422, SC426, SC500, SC502, SC504, SC506, SC508, SC509, SC511, SC512, SC514, SC516, SC520, SC522, SC524, SC526, SC528, SC530, SC556, SC559, SC580, SC617	1-1/4	2.500 (2-1/2)	5/8	C-017
SC584, SC594	1-1/4	2.531	1/2	C-018
SC424, SC540, SC542, SC544, SC546, SC548, SC550, SC560, SC562, SC564	1-1/4	2.688	1/2	C-019
SC542, SC546, SC548	1-1/4	2.874 (2-7/8)	1/2	C-020
A-28-108, A-29-108, A-30-110	1-1/4	3.000	1/2	C-032
61295	1-1/4	3.1875 (3-3/16)	19/32	61659
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

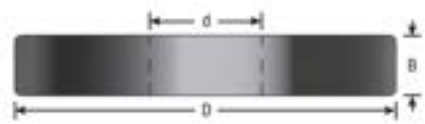
Designed for template shaping such as arched or cathedral doors, etc. Features a steel ball bearing center and interchangeable, lightweight aluminum rub collar sleeves. To order, specify rub collar (example: #61600, 75mm), and then order the correct size bearing to fit your spindle. The bearing includes 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)
75mm	16mm	61600
80mm	16mm	61602
90mm	16mm	61606
95mm	16mm	61608
100mm	16mm	61610
4	16mm	61615
105mm	16mm	61612
110mm	16mm	61614
115mm	16mm	61616
120mm	16mm	61618
125mm	16mm	61620
130mm	16mm	61622
150mm	16mm	61626
160mm	16mm	61628

ØD	B	Order No. (Ball bearing w/ retainer)
2.675"	1-1/4	61650
2.675"	1	61652
2.675"	30mm	61654
2.675"	3/4	61656

ØD	B	Order No. (Retainer only)
2.675"	1-1/4	61670
2.675"	1	61672
2.675"	30mm	61674
2.675"	3/4	61676

Note: Bearing only (1-1/4 x 2-1/2) order #61660 (no retainer).



DOUBLE 'T' REDUCTION BUSHINGS

Ød	ØD	B	C	Tool No.
1/2	3/4	1-5/16	1	BU-918
3/4	1	1-5/16	1-1/4	BU-916
3/4	1-1/4	1-5/16	1-1/2	BU-914
1	1-1/4	1-5/16	1-1/2	BU-912

LONG 'T' REDUCTION BUSHINGS

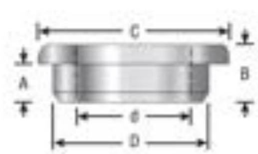
Ød	ØD	A	B	C	Tool No.
3/4	1	1-5/32	1-5/16	1-3/4	BU-926
3/4	1-1/4	1-5/32	1-5/16	1-1/2	BU-924
1	1-1/4	1-5/32	1-5/16	1-1/2	BU-922

SHAPER CUTTER 'T' REDUCTION BUSHINGS

(With Flange), 2 Required Per Cutter

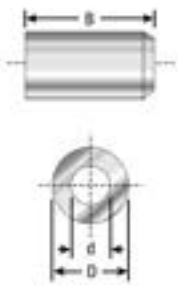
Each item number consists of one of each.

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.	

67208

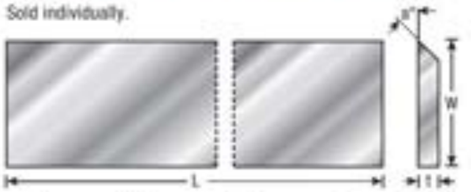
Safety Guidelines
for shaper cutters

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
25	35mm	1/8	45°	P 595
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
37	3/4	5/32	45°	P 712
37	1-1/8	5/32	45°	P 762

Metric Sizes

L	W	t	a°	Tool No.
10	30mm	1/8	45°	P 432
300mm	35mm	3mm	45°	P 731 New
350mm	35mm	3mm	45°	P 733 New
450mm	35mm	3mm	45°	P 737 New
500mm	35mm	3mm	45°	P 734

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	1/16	45°	4	P 250
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
13-1/8	11/16	5/32	45°	3	P 440

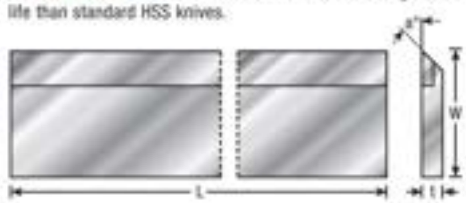
Metric Sizes

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.

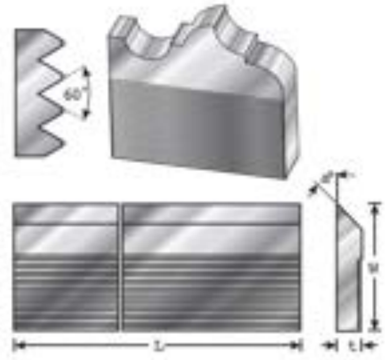


L	W	t	a°	Tool No.
4	3/4	1/8	45°	CTP-100
6	5/8	1/8	45°	CTP-110
6	3/4	1/8	45°	CTP-120
8	5/8	1/8	45°	CTP-130
8	3/4	1/8	45°	CTP-140
15	1	1/8	45°	CTP-170
20	1	1/8	45°	CTP-200

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	2-3/4	45°	CSK-160	CSK-360
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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220T300-220T641

607-100

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900-999

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201000-202000

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204000-206000

215000-217000

301000

302000-303000

304000

Warranty: All Amana Tool® products are warranted to be free from defects in material and/or workmanship, provided that the tools are properly maintained and there is no evidence of abuse or misuse.

The specifications, current at time of publication, are intended for reference purposes and are subject to change without notice. Amana Tool® is not responsible for typographical errors.

CONVERSION TABLE

Inch Decimals	Inch Fractions (x)						Millimeters					
	/64	/32	/16	/8	/4	/2	MM	1" + (x)	2" + (x)	3" + (x)	4" + (x)	5" + (x)
								25.400	50.800	76.200	101.600	127.000
0.015625	1/64						0.397	25.797	51.197	76.597	101.997	127.397
0.031250		1/32					0.794	26.194	51.595	76.994	102.394	127.794
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	75.909	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

SPEKTRA™
EXTREME TOOL LIFE COATING

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