ROUTING

ROUTER BITS

IN-STILE & RAIL MISSION STYLE #55438 PAGE 88

Router Bits

AMAX EXTENDED LIFE

- Extra strong, last extra long
- New generation of high wear outstanding carbide
- New superior geometric design
- New advanced automatic grinding technology that improves the carbide's resistance to wear
- Super clean cuts
- 200% longer lifetime even when working with abrasive materials
- Cost effective

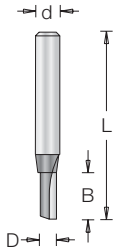
STRAIGHT PLUNGE

In choosing a straight bit for any application, always select one with the shortest cutting edges and the shortest overall length that will reach the required cut depth. Excessive length intensifies deflection and vibration, which degrade cut quality and lead to tool breakage.

A single-flute bit should be used where cut speed is more important than cut finish. Making one cut per revolution is faster than making two or three. Improved chip clearance is possible with a single flute configuration. The result: fast cuts.

1/4" & 3/8" SHANK • SINGLE FLUTE

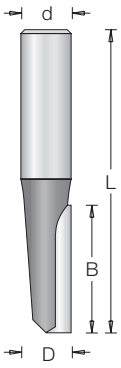
ØD	B	Tool No.	Ød	L
1/8	7/16	**45100**	1/4	2
3/16	7/16	**45102**	1/4	2
1/4	1/2	**45104**	1/4	2
1/4	3/4	**45106**	1/4	2
1/4	1	**45108**	1/4	2-1/4
1/4	1	***45110**	1/4	3-1/4
9/32	3/4	**45112**	1/4	2-1/4
5/16	1	**45114**	1/4	2-1/4
1/4	3/4	**45303**	3/8	2-5/16
3/8	1	**45300**	3/8	2-1/2
3/8	1-1/4	**45301**	3/8	2-7/8



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

1/2" SHANK • SINGLE FLUTE

ØD	B	Tool No.	Ød	L
1/4	3/4	**45304**	1/2	2-1/2
3/8	1	**45302**	1/2	2-3/4
5/16	3/4	**45306**	1/2	2-1/2
1/2	3/4	**45307**	1/2	2-3/8
1/2	1-1/4	**45308**	1/2	2-7/8
1/2	1-1/2	**45310**	1/2	2-1/8
1/2	2	**45312**	1/2	4-1/4
1/2	2-1/2	**45313**	1/2	4-3/8
9/16	1-1/4	**45314**	1/2	2-7/8
5/8	1-1/4	**45316**	1/2	2-7/8



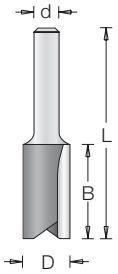
Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

STRAIGHT PLUNGE

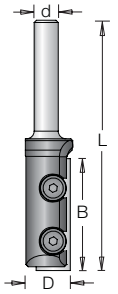
1/4" SHANK • 2 FLUTE

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

AMAX EXTENDED LIFE



	ØD	B	Tool No.	Ød	L
New	1.3mm	4.5mm	45260	1/4	1-7/8
	1/16	3/16	~† 45190	1/4	1-5/8
	3/32	1/4	~† 45192	1/4	1-3/4
	1/8	7/16	~† 45200	1/4	2
	5/32	7/16	~ 45201	1/4	2
	3/16	7/16	~ 45202	1/4	2
	3/16	5/8	45239	1/4	2-3/16
New	13/64(5mm)	3/4	45217	1/4	2
	7/32(6mm)	3/4	45206	1/4	2
	15/64	3/4	45203	1/4	2
	1/4	1/2	45204	1/4	2
	1/4	3/4	45208	1/4	2
	1/4	1	45210	1/4	2-1/4
	1/4	1	* 45211	1/4	2-7/8
	9/32	3/4	45241	1/4	2
	9/32	1	45212	1/4	2-1/4
	5/16	3/4	45242	1/4	2
	5/16	1	45214	1/4	2-1/4
	3/8	3/4	45216	1/4	2
New	3/8	1	45218S	1/4	2
	3/8	1	45218	1/4	2-1/4
	3/8	1-1/4	45220	1/4	2-1/2
	7/16	3/4	45243	1/4	2
	7/16	1	45222	1/4	2-1/8
	15/32	3/4	45223	1/4	2
	1/2	3/4	45224	1/4	1-3/4
	1/2	1	45226	1/4	2-1/8
New	1/2	1-3/16	RC-45226	1/4	2-5/8
	1/2	1	45244	1/4	2-13/16
	1/2	1-1/4	45245	1/4	2-1/2
	9/16	3/4	45227	1/4	2-1/8
	9/16	1	45246	1/4	2-1/4
	19/32	3/4	45238	1/4	2
	5/8	3/4	45228	1/4	2
	5/8	1	45247	1/4	2-1/4
	5/8	1-1/4	45249	1/4	2-7/8
	11/16	3/4	45229	1/4	2
	11/16	1	45250	1/4	2-1/4
	23/32	3/4	45231	1/4	2
	3/4	3/4	45230	1/4	2
	3/4	1	45251	1/4	2-1/4
	13/16	3/4	45232	1/4	2
	7/8	3/4	45234	1/4	2
	15/16	3/4	45252	1/4	2
	1	3/4	45236	1/4	2



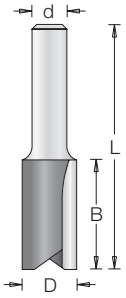
RC-45226

† Not guaranteed due to extremely small diameter. * Not guaranteed due to extreme length.
~ With solid carbide cutting edge. Replacement Knife #AMA-30 (tool #RC-45226 - single flute).

STRAIGHT PLUNGE

3/8" SHANK • 2 FLUTE

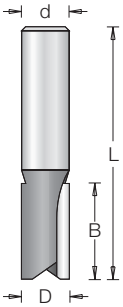
ØD	B	Tool No.	Ød	L
3/8	1-1/4	45400	3/8	2-3/4
3/8	1	45402	3/8	2-1/2
3/8	1-1/4	45404	3/8	3-3/8
1/2	1	45406	3/8	2-1/2
1/2	1-1/4	45407	3/8	2-1/2



Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.

STRAIGHT PLUNGE

1/2" SHANK • 2 FLUTE



	ØD	B	Tool No.	Ød	L
	1/4	3/4	~ 45408	1/2	2-1/2
New	1/4	1	45486	1/2	2-3/4
	9/32	3/4	45409	1/2	2-3/4
	5/16	3/4	45410	1/2	2-1/2
	5/16	1	45412	1/2	2-3/4
	3/8	3/4	45413	1/2	2-1/2
	3/8	1	45414	1/2	2-3/4
	3/8	1-1/4	* 45415	1/2	3
	13/32	3/4	45401	1/2	2-1/2
	7/16	1-1/4	45416	1/2	3
	15/32	1-1/4	45425	1/2	2-7/8
	1/2	1	45418	1/2	2-5/8
	1/2	3/4	△45419	1/2	2-1/4
	1/2	1-1/4	45420	1/2	2-7/8
	1/2	1-1/2	45422	1/2	3-1/8
	1/2	1-1/2	45424	1/2	4-1/4
	1/2	2	45426	1/2	4-1/4
	1/2	2-1/2	* 45427	1/2	4-1/2
	17/32	1-1/4	45429	1/2	2-7/8
	9/16	1-1/4	45428	1/2	2-7/8
	19/32	1-1/4	45437	1/2	2-7/8
	5/8	1	45430	1/2	2-5/8
	5/8	1-1/4	45432	1/2	2-7/8
	5/8	1-1/2	45434	1/2	3-1/8
	5/8	2	45433	1/2	3-3/4
	21/32	1-1/4	45435	1/2	2-7/8
	11/16	1-1/4	45436	1/2	2-7/8
	23/32	1-1/4	45445	1/2	2-7/8
	3/4	1	45438	1/2	2-5/8
	3/4	1-1/4	45440	1/2	2-7/8
	3/4	1-1/2	45442	1/2	3-1/8
	3/4	2	45441	1/2	3-5/8
	25/32	1-1/4	45443	1/2	2-7/8
	13/16	1-1/4	45444	1/2	2-7/8
	7/8	1-1/4	45446	1/2	2-7/8
	1	1-1/4	45448	1/2	2-7/8
	1	1-1/2	45403	1/2	3-1/8
22	1	2	45447	1/2	3-5/8
22	1-1/16	1-1/4	45459	1/2	2-7/8
22	1-1/8	1-1/4	45449	1/2	2-7/8
22	1-1/8	1-1/2	45411	1/2	3
22	1-1/4	1-1/4	45450	1/2	2-7/8
22	1-1/4	1-1/2	45421	1/2	3
22	1-3/8	1	45451	1/2	2-5/8
18	1-3/8	1-1/4	45423	1/2	2-7/8
18	1-1/2	1-1/4	45452	1/2	2-7/8
16	1-3/4	1-1/4	45453	1/2	2-7/8
12	2	1-1/4	45480	1/2	2-7/8

* Not guaranteed due to extreme length. ~ With solid carbide cutting edge.
△For post form countertop machines.

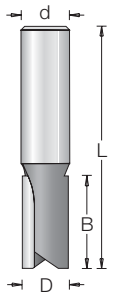
△! **WARNING:** Maximum RPM △12 = 12,000; △16 = 16,000; △18 = 18,000; △22 = 22,000

Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

LEFT HAND PLUNGE

1/2" SHANK • 2 FLUTE

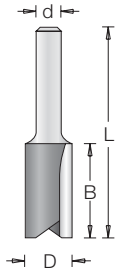
This special series of plunging straight bits is for reverse-rotation (counter-clockwise) routers.



ØD	B	Tool No.	Ød	L
5/16	1	**45412-LH**	1/2	2-3/4
3/8	1	**45414-LH**	1/2	2-3/4
7/16	1-1/4	**45416-LH**	1/2	3
1/2	1-1/4	**45420-LH**	1/2	2-7/8
1/2	1-1/2	**45422-LH**	1/2	3-1/8
1/2	2	**45426-LH**	1/2	4-1/4
9/16	1-1/4	**45428-LH**	1/2	3
5/8	1-1/4	**45432-LH**	1/2	2-7/8
3/4	1-1/4	**45440-LH**	1/2	2-7/8
3/4	2	**45441-LH**	1/2	3-5/8
New 7/8	1-1/4	**45446-LH**	1/2	2-7/8

STRAIGHT PLUNGE - METRIC PLYWOOD DADO'S

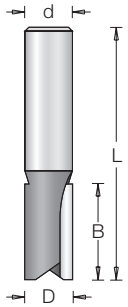
1/4" SHANK • 2 FLUTE • METRIC SIZE



ØD	Actual Plywood Thickness	Tool No.	B	Ød	L
10mm	–	**45219**	19mm	1/4	2-1/8
10.3mm	–	**45221**	19mm	1/4	2-1/8
12mm	12mm	**45240**	3/4	1/4	2
14mm	–	* **45225**	19mm	1/4	2-1/8
16mm	16mm	**45248**	3/4	1/4	2
18mm	18mm	**45256**	3/4	1/4	2

* 14mm bits for cutting plastic pilaster.

1/2" SHANK • 2 FLUTE • METRIC SIZE



ØD	Actual Plywood Thickness	Tool No.	B	Ød	L
10mm	–	**45417**	19mm	1/2	2-1/2
12mm	12mm	**45488**	1-1/4	1/2	2-7/8
14mm	–	* **45431**	25mm	1/2	2-5/8
16mm	16mm	**45492**	1-1/4	1/2	2-7/8
18mm	18mm	**45498**	1-1/4	1/2	2-7/8

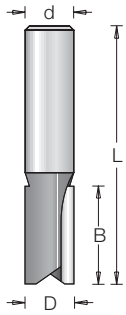
* 14mm bits for cutting plastic pilaster.

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 below and on page 3.

UNDERSIZED PLYWOOD DADO

2 FLUTE • STRAIGHT PLUNGE FRACTIONAL SIZES

Cut dado's and grooves dimensioned perfectly for plywood, flakeboard and other sheet materials for which standard size bits are too large.



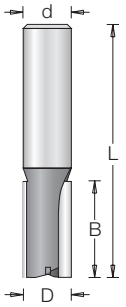
ØD	Actual Plywood Thickness	Tool No.	B	Ød	L
15/64	1/4 minus 1/64 (6.0mm)	**45203**	3/4	1/4	2
7/32	1/4 minus 1/32	**45206**	3/4	1/4	2
15/32	1/2 minus 1/32	**45223**	3/4	1/4	2
15/32	1/2 minus 1/32	**45425**	1-1/4	1/2	2-7/8
31/64	1/2 minus 1/64	**45235**	3/4	1/4	2-1/4
31/64	1/2 minus 1/64	**45237**	1	1/2	2-5/8
19/32	5/8 minus 1/32	**45238**	3/4	1/4	2
19/32	5/8 minus 1/32	**45437**	1-1/4	1/2	2-7/8
23/32	3/4 minus 1/32	**45231**	3/4	1/4	2
23/32	3/4 minus 1/32	**45233**	1	1/4	2-1/4
23/32	3/4 minus 1/32	**45445**	1-1/4	1/2	2-7/8

NOTE: For 6mm board, use #45203 (15/64) shown in fractional section above.
Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

SUPER PLUNGE™ WITH CENTER CARBIDE TIP

1/2" SHANK • 2 FLUTE

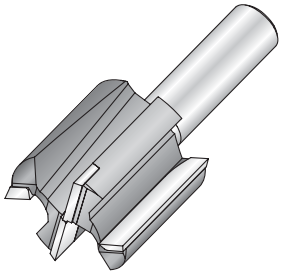
This bit's specially designed carbide center tip enhances the speed of plunge cuts. At the same time, it extends the life of the cutting edges by reducing the stress of plunge cuts on their tips. Ideal for mortising and other plunging operations.



Center Carbide Tip

ØD	B	Tool No.	Ød	L
5/16	3/4	**41410**	1/2	2-1/2
3/8	1-1/4	**41415**	1/2	3
1/2	1	**41418**	1/2	2-5/8
1/2	1-1/2	**41422**	1/2	3-1/8
1/2	2	**41426**	1/2	4-1/4
5/8	1-1/4	**41432**	1/2	2-7/8
3/4	1	**41438**	1/2	2-5/8
1	1	**41448**	1/2	2-5/8

AGGRESSIVE PLUNGE DESIGN



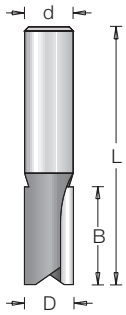
	ØD	B	Tool No.	Ød	L
18	1-1/4	1	**41450**	1/2	2-5/8
18	1-1/2	1	**41454**	1/2	2-5/8
18	1-1/2	1-1/4	**41452**	1/2	2-7/8
18	1-5/8	1	**41458**	1/2	2-5/8
16	1-3/4	1-1/4	**41453**	1/2	2-7/8
16	1-7/8	1-1/4	**41462**	1/2	2-7/8
16	2	1	**41464**	1/2	2-5/8
12	2	1-1/4	**41480**	1/2	2-7/8

WARNING: Maximum RPM 12 = 12,000; 16 = 16,000; 18 = 18,000

PRODUCTION PLUNGE W/10° HOOK

1/4" AND 1/2" SHANK • 2 FLUTE

These plunge bits are specifically designed for high production operations, where long tool life is the primary concern. The higher hook angle produces a more aggressive cutting action in dense and abrasive materials, including solid wood, MDF, plywood, acrylics (Plexiglas®) and other difficult to machine materials. The result is a faster feed rate without significant compromise of cut quality.

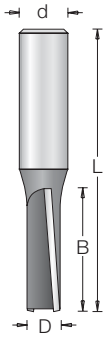


ØD	B	Tool No.	Ød	L
1/8	7/16	**43200**	1/4	2
1/4	1	**43210**	1/4	2
5/16	1	**43412**	1/2	2-3/4
3/8	1	**43218**	1/4	2-1/4
3/8	1	**43414**	1/2	2-3/4
1/2	1	**43226**	1/4	2-1/8
1/2	1	**43418**	1/2	2-5/8
1/2	1-1/4	**43420**	1/2	2-7/8
1/2	1-1/2	**43422**	1/2	3-1/8
1/2	2	**43426**	1/2	4-1/4
5/8	1-1/4	**43432**	1/2	2-7/8
3/4	3/4	**43230**	1/4	2
3/4	1-1/4	**43440**	1/2	2-7/8

PRODUCTION SHEAR BITS STRAIGHT PLUNGE 3° DOWN-SHEAR

2 FLUTE

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.

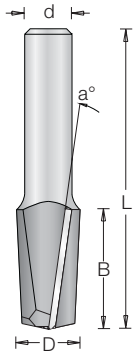


ØD	B	Tool No.	Ød	L
3/8	1	**45414-PS**	1/2	2-3/4
1/2	1-1/4	**45420-PS**	1/2	2-7/8
1/2	1-1/2	**45422-PS**	1/2	3-1/8
1/2	2	**45426-PS**	1/2	4-1/4

PRODUCTION SHEAR

2 FLUTE STRAIGHT PLUNGE UP-SHEAR DESIGN

Application: Same as down-shear listed above, but with up-shear design to pull chips away from the cut. Can be used inverted as in a router table. Straight ground (not radial ground) for highest quality cut and fastest feed rate.

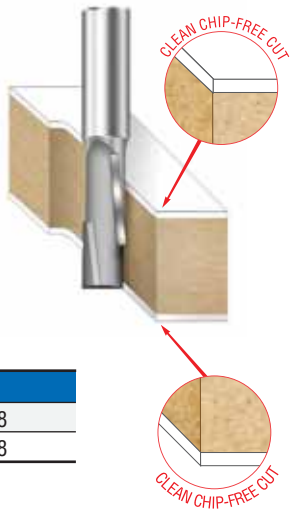


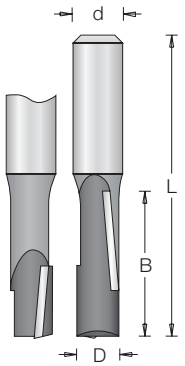
a°	ØD	B	Tool No.	Ød	L
4°	3/8	1	**42440**	1/2	2-3/4
7°	1/2	1	**42444**	1/2	2-3/4
6°	1/2	1-1/4	**42448**	1/2	2-7/8
5°	1/2	1-1/2	**42452**	1/2	3-1/8
4°	1/2	2	**42456**	1/2	4-1/4
8°	3/4	1-1/4	**42460**	1/2	2-7/8
8°	3/4	1-1/4	**42472**	3/4	3-1/4
5°	3/4	2	**42476**	3/4	4
10°	1	1-1/4	**42464**	1/2	2-7/8

OPPOSITE-SHEAR STAGGERED TOOTH

2 FLUTE

A stagger-tooth bit has two cutting edges, each only half the flute length, located 180° apart, one high, one low. The result is a tool that combines the speed and chip clearance of a one-flute bit with the strength and balance of a two-flute bit. This “opposite-shear” configuration features a down-shear edge and an up-shear edge. On a through-cut, it shears down on both surfaces at the same time. It is excellent for working double-sided melamine, plywood, laminates, and veneers, as well as solid-surface materials.





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

SPIRAL FLUTE PLUNGE SOLID CARBIDE

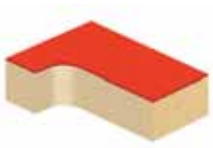
New IMPROVED

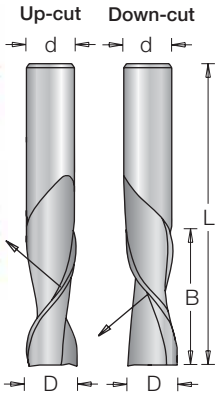
2 FLUTE

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.

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 provides a superior finish and longer tool life. Special unique carbide grade for longer lifetime in abrasive materials. These bits are great for production settings and excellent for creating grooves and dado cuts in softwood, hardwoods, plywood and composite materials. Primarily used on CNC machines and other automatic routers. Also can be used with hand-held and table-mounted portable routers.

ØD	B	'Up-Cut' Tool No.	'Down-Cut' Tool No.	Ød	L
1/8	1/2	**46100**	**46200**	1/4	2
5/32	5/8	**46310**	**46410**	1/4	2-1/2
3/16	3/4	**46101**	**46201**	1/4	2
7/32	1	**46314**	**46414**	1/4	2-1/2
1/4	3/4	**46102**	**46202**	1/4	2-1/2
New 1/4	1	**46315**	**46415**	1/4	2-1/2
1/4	1-1/8	**46316**	**46416**	1/4	3
5/16	1	**46115**	**46215**	5/16	2-1/2
5/16	1	**46119**	**46219**	1/2	3
9/32	1	**46317**	**46417**	5/16	2-1/2
9/32	1	**46117**	**46217**	1/2	3
5/16	1-1/8	**46318**	**46418**	1/2	3
5/16	1-1/8	**46319**	**46419**	5/16	3
3/8	1	**46103**	**46203**	3/8	2-1/2
3/8	1-1/4	**46320**	**46420**	3/8	3
3/8	1-1/4	**46104**	**46204**	1/2	3
7/16	1-1/4	**46105**	**46205**	1/2	3
1/2	1-1/4	**46106**	**46206**	1/2	3
1/2	1-5/8	**46107**	**46207**	1/2	3-1/2
5/8	1-5/8	**46108**	**46208**	5/8	3-1/2
5/8	2	**46121**	**46221**	5/8	4
3/4	1-5/8	**46109**	**46209**	3/4	4





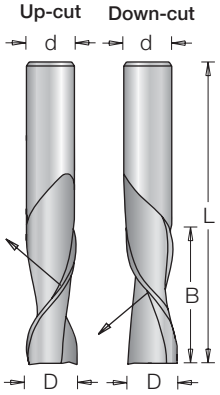
For CNC router bit feed rate info refer to pages 150-151

SPIRAL FLUTE PLUNGE SOLID CARBIDE FOR SOLID WOOD

2 FLUTE

Specially designed for speed and finish when working with solid hard woods. 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	'Up-cut' Tool No.	'Down-cut' Tool No.	Ød	L
1/8	1/2	**46241**	**46341**	1/4	2
5/32	5/8	**46243**	**46343**	1/4	2-1/2
3/16	3/4	**46245**	**46345**	1/4	2
7/32	1	**46247**	**46347**	1/4	2-1/2
1/4	3/4	**46249**	**46349**	1/4	2-1/2
New 1/4	1	**46248**	**46348**	1/4	2-1/2
1/4	1-1/8	**46250**	**46365**	1/4	3
9/32	1	**46251**	**46351**	5/16	2-1/2
5/16	1-1/8	**46253**	**46353**	1/2	3
3/8	1	**46255**	**46355**	3/8	2-1/2
3/8	1-1/4	**46257**	**46357**	1/2	3
3/8	1-1/4	**46259**	**46359**	3/8	3
1/2	1-1/4	**46261**	**46361**	1/2	3
1/2	1-5/8	**46263**	**46363**	1/2	3-1/2

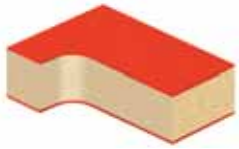


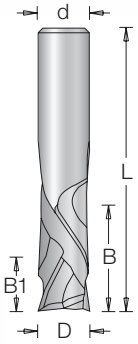
⚠ **WARNING:** Recommended RPM 20,000-21,000

COMPRESSION SPIRAL SOLID CARBIDE FOR MDF/LAMINATE

2 FLUTE

Solid carbide compression spiral bits are designed for CNC applications requiring high feed rates and a clean finish. Particularly suitable for double-sided melamine or laminated material. Choose either single flute for the highest possible feed rate or double flute for the best finish. Special unique carbide for longer lifetime in abrasive material.





	ØD	B	B1 mm	Tool No.	Ød	L
	1/4	7/8	7	46170	1/4	2-1/2
New	1/4	7/8	7	* 46170-LH	1/4	2-1/2
	3/8	1-1/4	9	46172	3/8	3
	3/8	1	9	46174	1/2	3
	3/8	1-1/8	9	46178	1/2	3
	1/2	1	9	46182	1/2	3
	1/2	1-1/8	10	46186	1/2	3
	1/2	1-1/4	9	46188	1/2	3
New	1/2	1-1/4	9	* 46188-LH	1/2	3
	1/2	1-1/2	12	46189	1/2	3-1/2
	1/2	1-5/8	11	46190	1/2	3-1/2
New	1/2	1-5/8	11	* 46190-LH	1/2	3-1/2
New	1/2	1-1/2	7/16"	46191	1/2	4-1/16
	5/8	2	17	46194	5/8	4
	3/4	2	17	46198	3/4	4

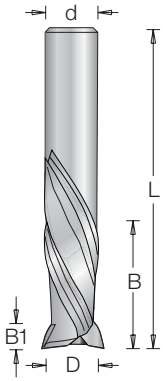
* Indicates LEFT HAND ROTATION

COMPRESSION SOLID CARBIDE FOR MORTISING WORK

2 FLUTE

These tools have a much shorter up-cut section than the standard compression tools. They are ideal for mortising, grooving and dado.

For CNC router bit feed rate info refer to pages 150-151

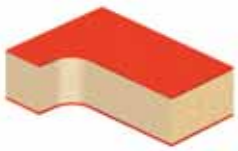


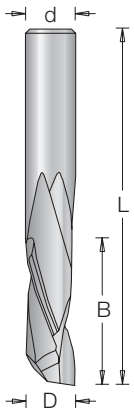
	ØD	B	B1	Tool No.	Ød	L
	1/4	1	1/8	46350	1/4	2-1/2
	3/8	1-1/4	3/16	46352	1/2	3
New	3/8	7/8	1/8	46367	3/8	3
	1/2	1-1/4	1/4	46354	1/2	3
	1/2	1-5/8	1/4	46356	1/2	3-1/2
	1/2	1-5/8	1/4	46358	1/2	4
	1/2	2-1/8	1/4	46360	1/2	4
	5/8	1-5/8	5/16	46362	5/8	4
	5/8	2-1/8	5/16	46364	5/8	4
	3/4	1-5/8	3/8	46366	3/4	4
	3/4	2-1/8	3/8	46368	3/4	4

COMPRESSION SPIRAL SOLID CARBIDE FOR MDF

SINGLE FLUTE

Solid carbide compression spiral bits are designed for CNC applications requiring high feed rates & a clean finish. Particularly suitable for double-sided melamine or laminated material. Special unique carbide for longer lifetime in abrasive material.





ØD	B	Tool No.	Ød	L
1/4	7/8	46140	1/4	2-1/2
3/8	7/8	46142	3/8	3
3/8	1	46144	1/2	3
3/8	1-1/8	46148	1/2	3
1/2	7/8	46150	1/2	3
1/2	1	46152	1/2	3
1/2	1-1/8	46156	1/2	3
1/2	1-1/4	46159	1/2	3
1/2	1-5/8	46160	1/2	3-1/2
5/8	2	46164	5/8	4
3/4	2	46168	3/4	4

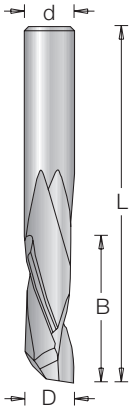
⚠ **WARNING:** Recommended RPM 20,000-21,000

Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

COMPRESSION SOLID CARBIDE SPIRAL FOR SOLID WOOD

SINGLE FLUTE

Specially designed for working in hard solid wood. Slow helic, special grinding angle, improved body shape in order to support the high feed rate, quick direction changes and deep penetration.



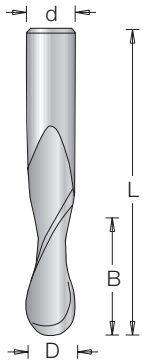
ØD	B	Tool No.	Ød	L
1/4	7/8	**46390**	1/4	2-1/2
3/8	1-1/8	**46392**	1/2	3
1/2	1	**46394**	1/2	3
1/2	1-1/8	**46396**	1/2	3
1/2	1-5/8	**46398**	1/2	3-1/2

For CNC router bit feed rate info refer to pages 150-151

BALL NOSE SOLID CARBIDE UP-CUT SPIRALS

2 FLUTE

Used for carving, decorative doors and sign manufacturing. It leaves an excellent finish and expels chips quickly.

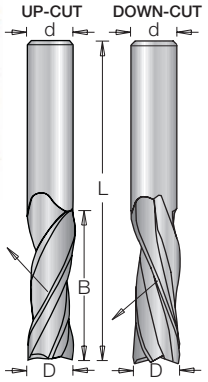


ØD	B	Tool No.	Ød	L
1/4	1	**46376**	1/4	2-1/2
3/8	1-1/4	**46378**	3/8	3
1/2	1-1/4	**46380**	1/2	3
1/2	1-1/2	**46382**	1/2	3-1/2
1/2	2-1/8	**46384**	1/2	4
5/8	2-1/8	**46386**	5/8	4
3/4	2	**46388**	3/4	4

SPIRAL FLUTE PLUNGE SOLID CARBIDE

3 FLUTE

New 3 flute design for very high quality finish. Up-cut or down-cut spiral.



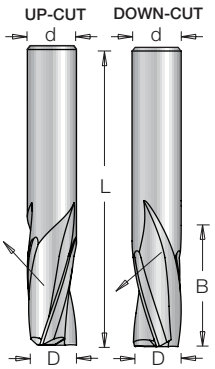
ØD	B	'Up-cut' Tool No.	'Down-cut' Tool No.	Ød	L
3/8	1-1/4	**46114**	**46214**	1/2	3
1/2	1-1/2	**46116**	**46216**	1/2	3-1/2
1/2	2	**46118**	**46218**	1/2	4
5/8	2	**46120**	**46220**	5/8	4
3/4	2-1/8	**46122**	**46222**	3/4	4-1/2

For CNC router bit feed rate info refer to pages 150-151

SOLID CARBIDE SLOW SPIRAL New

3 FLUTE

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	'Up-cut' Tool No.	'Down-cut' Tool No.	Ød	L
3/8	1	**46330**	**46430**	3/8	2-1/2
1/2	1	**46332**	**46432**	1/2	3
1/2	1-1/2	**46334**	**46434**	1/2	3-1/2

⚠ **WARNING:** Recommended RPM 20,000-21,000

Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

Amana Tool®

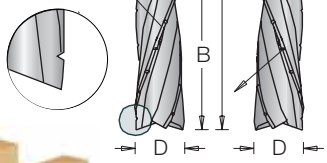
SPIRAL ROUGHING SOLID CARBIDE W/CHIPBREAKER

3 FLUTE

This series has a small chipbreaker therefore the quality of cut will improve. It will leave smaller striated finish than the following series for massive wood.

ØD	B	'Up-cut' Tool No.	'Down-cut' Tool No.	Ød	L
1/2	1-1/8	**46132**	**46232**	1/2	3
1/2	1-5/8	**46134**	**46234**	1/2	3-1/2
5/8	2-1/8	**46136**	**46236**	5/8	4
3/4	2-1/4	**46138**	**46238**	3/4	4

For CNC router bit feed rate info refer to pages 150-151



SOLID CARBIDE SPIRAL ROUGHING W/CHIPBREAKER

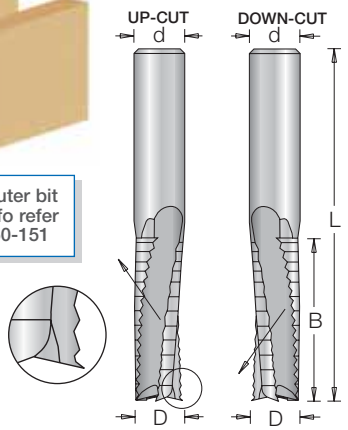
3 FLUTE

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.

ØD	B	'Up-cut' Tool No.	'Down-cut' Tool No.	Ød	L
1/2	1-5/8	**46124**	**46224**	1/2	3-1/2
1/2	2	**46126**	**46226**	1/2	4
5/8	2-1/8	**46128**	**46228**	5/8	4
3/4	2-1/4	**46130**	**46230**	3/4	4

⚠ **WARNING:** Recommended RPM 20,000-21,000

For CNC router bit feed rate info refer to pages 150-151

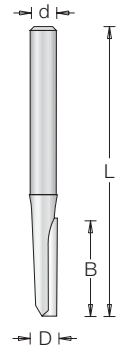


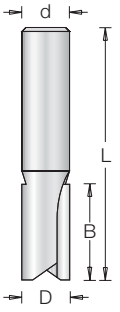
SOLID CARBIDE STRAIGHT PLUNGE

SINGLE FLUTE & 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, but leave a smooth finish.

ØD	B	Flutes	Tool No.	Ød	L
1/8	7/16	1	**43700**	1/4	2
5/32	7/16	1	**43704**	1/4	2
3/16	7/16	1	**43708**	1/4	2
7/32	3/8	1	**43712**	1/4	2
1/4	3/4	1	**43716**	1/4	2
1/4	1	1	**43720**	1/4	2
1/4	1	1	**43724**	1/4	3
5/16	1-1/8	1	**43728**	5/16	3
3/8	1-1/8	1	**43732**	3/8	3
1/2	1-1/8	1	**43736**	1/2	3
5/32	7/16	2	**43800**	1/4	2
3/16	7/16	2	**43804**	1/4	2
3/16	1/2	2	**43808**	1/4	2
1/4	1/2	2	**43812**	1/4	2
7/32	3/4	2	**43816**	1/4	2
1/4	3/4	2	**43820**	1/4	2-1/2
1/4	1	2	**43824**	1/4	2-1/2
1/4	1	2	**43828**	1/4	2-7/8
9/32	1	2	**43832**	5/16	2-1/2
5/16	1-1/8	2	**43836**	5/16	3
3/8	1-1/8	2	**43840**	5/16	3
7/16	1-1/8	2	**43844**	1/2	3
1/2	1-1/8	2	**43848**	1/2	3
1/2	1-5/8	2	**43850**	1/2	3-1/2





⚠ **WARNING:** Maximum RPM 28,000

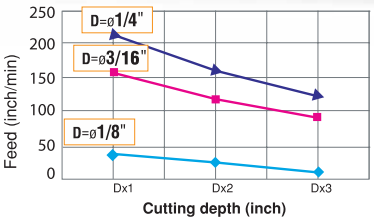
Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

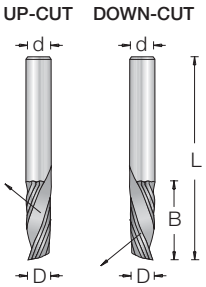
New

SOLID CARBIDE SPIRAL PLASTIC ‘O’ FLUTE

UP-CUT & DOWN-CUT

This bit is designed to produce super clean, smooth cuts, especially in acrylic materials (Plexiglas®, Lucite®), other plastics and wood. It includes a special carbide grade, very high tolerance grinding and a unique carbide polishing process.





For SUPER CLEAN CUTS IN:

- ***Plastic***
- ***Solid surface materials***
- ***Wood***
- ***Foam board***

The most popular design.
Fits most CNC machines.

- Right Hand Helix
- Right Hand Cut

SINGLE FLUTE

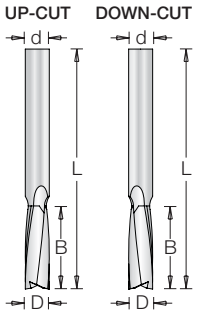
ØD	B	‘Up-Cut’ Tool No.	‘Down-Cut’ Tool No.	Ød	L
1/8	1/2	**51410**	**51510**	1/8	2
3/16	5/8	**51412**	**51512**	3/16	2
1/4	3/4	**51404**	**51504**	1/4	2

SOLID CARBIDE ACRYLIC ‘O’ FLUTE SLOW SPIRAL

New

UP-CUT & DOWN-CUT • 2 FLUTE

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

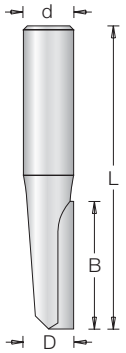


ØD	B	‘Up-Cut’ Tool No.	‘Down-Cut’ Tool No.	Ød	L
1/4	3/4	**46313**	**46413**	1/4	2-1/2
1/4	1	**46311**	**46411**	1/4	2-1/2

PLASTIC CUTTING SOLID CARBIDE ‘O’ FLUTE

SINGLE ‘O’ FLUTE & DOUBLE FLUTE

New solid carbide tools with unique circular ‘O’ flute design to eject chips more easily. Single flute for fast cutting in soft plastics such as pvc, styrene, ABS, etc.



ØD	B	Tool No.	Flutes	Ød	L
1/8	1/2	**43500**	**1**	1/4	2
3/16	5/8	**43504**	**1**	1/4	2
1/4	3/4	**43508**	**1**	1/4	2-1/2
1/4	1	**43512**	**1**	1/4	2-1/2
1/4	1	**43514**	**1**	1/4	3-1/4
3/8	1	**43516**	**1**	3/8	2-1/2
1/2	1	**43520**	**1**	1/2	3
1/8	1/2	**43600**	**2**	1/4	2
3/16	5/8	**43604**	**2**	1/4	2
1/4	1	**43608**	**2**	1/4	2-1/2
3/8	1	**43612**	**2**	3/8	2-1/2
1/2	1	**43616**	**2**	1/2	3

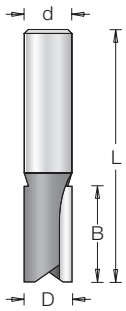
Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

PLASTIC CUTTING CARBIDE TIPPED

SINGLE '0' FLUTE & DOUBLE FLUTE

For fast cutting in harder more abrasive plastics such as phenolic resin, acrylic, etc.

ØD	B	Tool No.	Flutes	Ød	L
3/16	1/2	**43100**	**1**	1/4	2
1/4	1	**43104**	**1**	1/4	2-1/4
3/8	1	**43108**	**1**	3/8	2-1/2
1/2	1-1/4	**43112**	**1**	1/2	3
3/16	1/2	**43300**	**2**	1/4	2
1/4	1	**43304**	**2**	1/4	2-1/4
1/2	1-1/4	**43312**	**2**	1/2	3

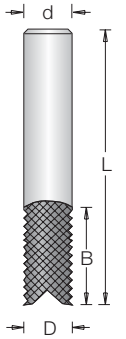


ABRASIVE TYPE PLUNGE DIAMOND PATTERN SOLID CARBIDE

This bit is designed especially for cutting fiberglass, tile and other highly abrasive materials. Works well on epoxies made with carbon, glass and composite materials. Its diamond-pattern cutting edges have up-cut and down-cut angles to grind through the work. Cuts evenly in all directions.

ØD	B	Tool No.	Ød	L	Type of Cut
1/4	3/4	**46110**	1/4	2	Fine
3/8	7/8	**46111**	3/8	2-1/2	Coarse
1/4	3/4	**46112**	1/4	2	Coarse
1/2	1	**46113**	1/2	3	Coarse

WARNING: Maximum RPM 28 = 28,000 (Applies to the above table)

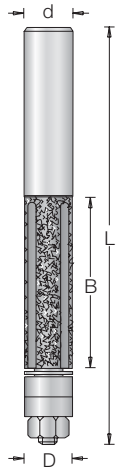


FIBERGLASS & CARBONFIBER MATERIAL FLUSH TRIM SOLID CARBIDE

Used in the boat and RV industry to trim laminated fiberglass boards. Cuts fast and clean.

ØD	B	Tool No.	Ød	L
1/2	1-3/4	**44100**	1/2	4-1/4

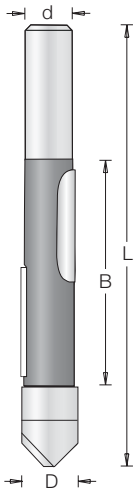
Replacement Bearing #47706 (2)
Replacement Nut #67086



STAGGER TOOTH PANEL PILOT WITH PLUNGE POINT

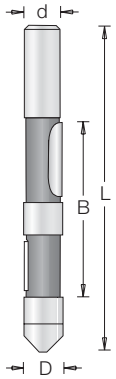
Stagger Tooth version of our standard 2 flute Panel Pilot which gives greater speed and stock removal than our single flute with the strength of a 2 flute bit.

ØD	B	Tool No.	Ød	L
5/8	2-1/4	**45520**	1/2	4-3/4



PANEL PILOT PLUNGE WITH TWO PILOTS AND HARDENED BORING POINT

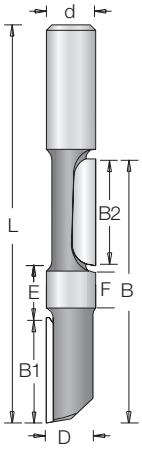
Carbide tipped with 2 pilots and plunge hardened boring point for thicker material, fast cutting. This enables the cutter to be guided by jigs or the inner frame from the top, middle or bottom of the cutter. A very useful cutter for motor body building, caravans and boat building.



ØD	B	Tool No.	Ød	L
3/8	1-25/32	**45524**	3/8	3-5/8

STAGGER TOOTH PLUNGE PANEL WITH CENTER PILOT

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 RV-manufacturing industry to cut openings in ceilings and sidewalls, it can be used in any setup that has a template between the materials to be cut.

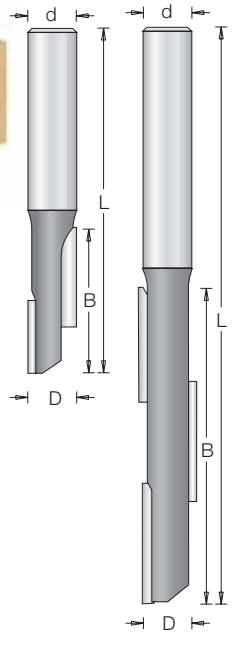


ØD	B	E	F	Tool No.	B1	B2	Ød	L
1/2	2-13/16	3/8	1/2	**51317**	1-1/8	1-3/16	1/2	4
1/2	2-13/16	3/8	1/2	**51314**	1-1/8	1-3/16	1/2	4-1/4
1/2	2-13/16	3/8	1/2	**51319**	1-1/8	1-3/16	1/2	5
1/2	2-1/2	9/32	3/8	**51321**	1-1/8	1	1/2	4

STAGGER TOOTH PLUNGE CUTTING

2 BLADE STAGGER

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.



51325

ØD	B	Tool No.	Ød	L
1/4	1	**51300**	1/4	2-1/4
3/8	1-3/8	**51302**	3/8	3
3/8	1-1/2	**51304**	1/2	3-1/8
1/2	1-1/2	**51306**	1/2	3-1/8
1/2	1-3/4	**51307**	1/2	3-1/4
1/2	2	**51308**	1/2	4-1/4
1/2	2-1/8	**51309**	1/2	4-1/4
1/2	2-1/4	**51310**	1/2	4-1/2
1/2	2-1/2	**51311**	1/2	4-1/2
1/2	2-5/8	**51313**	1/2	4-3/4
New 1/2	2-5/8	**51327**	1/2	5
New 1/2	2-5/8	**51323**	1/2	5-1/2
5/8	2	**51315**	1/2	4

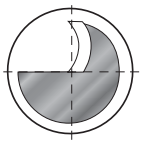
EXTRA LONG 3 BLADE STAGGER

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

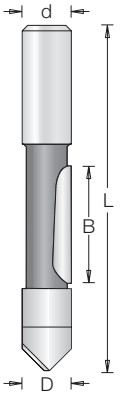
Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

PANEL PILOT

These panel pilot bits have a pointed tip for plunge cuts, a concave grind for speed and an integral solid pilot. It is designed for fast cut-out work and is used extensively in the **mobile home & RV industries**. The single-flute version cuts fast and produces an excellent finish.



CONCAVE FLUTED



CONCAVE GRIND
SINGLE FLUTE

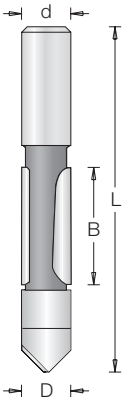
ØD	B	Tool No.	Ød	L
1/4	3/4	**45506**	1/4	2-1/2
3/8	1	**45507**	1/4	2-7/8
3/8	1	**45508**	3/8	3
1/2	1-3/16	**45510**	1/2	3-5/8
1/2	2	**45511**	1/2	4-3/4

PANEL PILOT

2 FLUTE

Two-flute version of the above bit cuts at a reduced rate, but produces a cleaner cut.

ØD	B	Tool No.	Ød	L
1/4	3/4	**45514**	1/4	2-1/2
3/8	1	**45516**	3/8	3
1/2	1-3/16	**45518**	1/2	3-1/2
1/2	2	**45519**	1/2	4-3/4



HIGH SPEED STEEL PANEL PILOT (HSS)

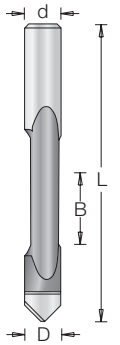
New

SINGLE FLUTE

The ultimate boring/pilot bit! These HSS panel pilot bits are long lasting and perfect for mobile homes, modular homes and the RV industries Perfect for: Wood panels, Vinyl coated panels, Wood panels and Aluminum layered material.

STRAIGHT

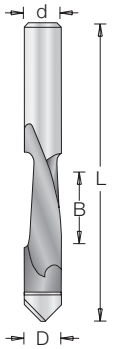
ØD	B	Tool No.	Ød	L
1/4	5/8	**HSS11004**	1/4	2-3/4
3/8	3/4	**HSS11002**	3/8	3-1/8
1/2	1	**HSS11006**	1/2	3-1/2



Perfect for mobile homes and RV industries, the down-cut design ejects the chips away from the operator. Perfect for: Drywall, Wallboard, Vinyl coated panels, Aluminum and Plywood sandwich panels.

SPIRAL

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



Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

ALUMINUM SPIRAL SOLID CARBIDE

New

SINGLE '0' FLUTE UPCUT/DOWNCUT

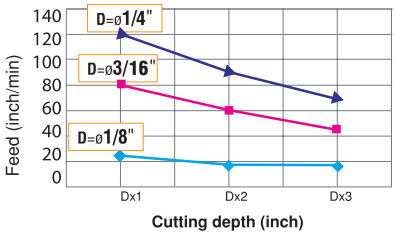
Mirror FINISH

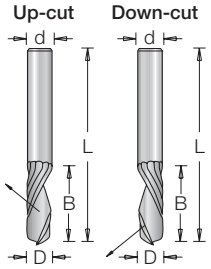
This bit is specifically designed for cutting aluminum, brass, copper and other non-ferrous metals. It is strongly recommended that a lubricant or coolant be used which will prolong the life of the tool and to reduce tool breakage.

PERFECT FOR:

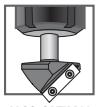
- *Aluminum*
- *Brass*
- *Copper*
- *Non-ferrous Metals*

The aluminum cutting spiral router bit was designed to eject chips UP or DOWN. The most popular design. Fits most CNC machines.





ØD	B	'Up-Cut' Tool No.	'Down-Cut' Tool No.	Ød	L
1/8	5/16	**51406**	**51506**	1/8	1-1/2
3/16	1/2	**51408**	**51508**	1/4	2
1/4	5/8	**51402**	**51502**	1/4	2



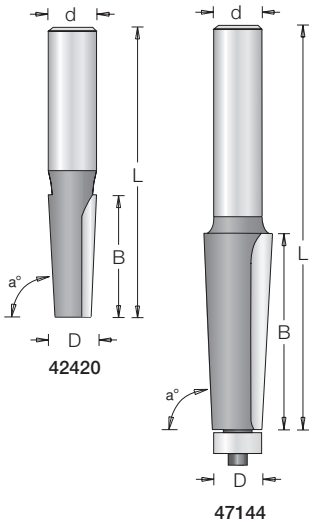
Please note: For aluminum cutting please lubricate.
The recommended feed rate for Aluminum is 3 M/min or 120 inch/min at 18,000 RPM.

3° PATTERNMAKERS

2 FLUTE

This slightly tapered bit is specifically designed for wood patternmaking, especially wood vacuum-forming molds where draft (3° 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.

Vacuum-forming mold (wooden)



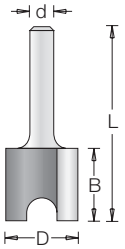
ØD	a°	B	Tool No.	Ød	L
1/2	3°	1-1/4	**42420**	1/2	3-1/8
1/2	3°	2-1/8	**47144**	1/2	4-5/8

Replacement bearing #47706 for tool #47144

MORTISING

2 FLUTE

For cutting shallow mortises for hinges and locksets, use this bit. Its cutting geometry is calculated to produce an exceptionally clean cut with crisp edges.



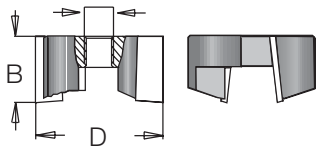
ØD	B	Tool No.	Ød	L
1/2	3/4	**45500**	1/4	2
5/8	3/4	**45502**	1/4	2
3/4	3/4	**45504**	1/4	2
1	3/4	**45501**	1/4	2
1-1/4	3/4	**45505**	1/2	2-1/8
1-1/4	1-1/4	**45503**	1/2	2-7/8

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 CUTTERS

2 FLUTE • SCREW TYPE CUTTERS ONLY (1/4" - 28 & 5/16" - 24 THREAD)

Designed for use in standard lock mortising tools, this cutter can also be used in a standard router if mounted on a separate arbor.



	ØD	Tool No.	B	Thread
	3/4	**55250**	1/2	1/4" - 28
	7/8	**55252**	1/2	1/4" - 28
	1	**55254**	1/2	1/4" - 28
	1-1/8	**55256**	9/16	1/4" - 28
New	1-1/4	**55257**	9/16	1/4" - 28
	1-1/4	**55258**	5/8	1/4" - 28
	1-1/4	* **55255**	5/8	5/16" - 24

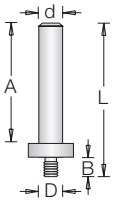
Fits Porter-Cable & other standard model mortising jigs. Also used in door machines.

Arbors: 1/4" shank use #47611, 1/2" shank use #47614.
***Arbor 1/4" shank use #47616.**

THREADED ARBOR FOR MORTISING CUTTERS

ØD	Ød	A	B	L	Tool No.	Application
1/4-28NF	1/4	1-7/16	1/4	1-13/16	* **47611**	Screw Type mortising bits 55250 through 55258.
5/16-24NF	1/4	1-7/16	1/4	1-13/16	* **47616**	Screw Type mortising 55255
1/4-28NF	1/2	1-1/2	1/4	1-1/2	* **47614**	Screw Type mortising bits 55250 through 55258.

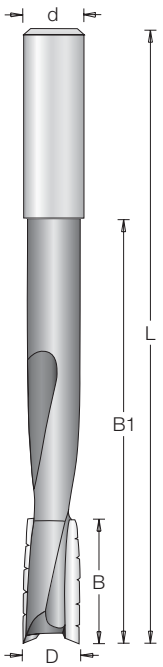
*Due to application, these arbors are not furnished with hex nut or washers.



UP-SHEAR BIT SLOT MORTISER

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 chipbeaker for fast cuts and chip clearance. For use in lock mortising machines and door machines.



ØD	B	B1	Tool No.	Ød	L
1/2	1	2-3/4	▲ **45540**	1/2	6
5/8	1	4-3/4	▲ **45542**	1/2	6-5/8
3/4	1	4-3/4	▲ **45544**	1/2	6-5/8

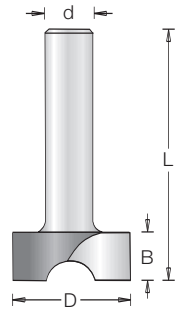
▲**WARNING: DO NOT USE THESE BITS ON A DRILL PRESS MACHINE UNDER ANY CIRCUMSTANCES!**

Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

MORTISING

DOWN-SHEAR DESIGN • 2 FLUTE

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.



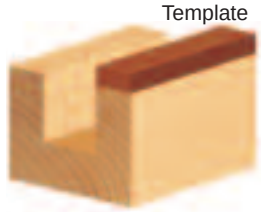
ØD	B	Tool No.	Ød	L
1/2	5/16	**45570**	1/4	1-7/16
1/2	3/4	**45572**	1/4	2-3/8
5/8	3/4	**45574**	1/4	2-3/8
3/4	3/4	**45576**	1/2	2-1/4
1-1/4	15/64	**45578**	1/2	1-3/4
1-1/4	1/2	**45580**	1/2	2

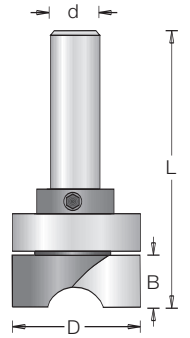
MORTISING WITH UPPER BALL BEARING

DOWN-SHEAR DESIGN • 2 FLUTE

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

Template



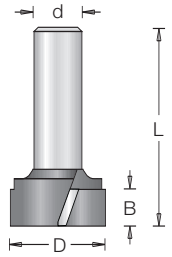


ØD	B	Ød	Tool No.	L	Replacement Bearing	Replacement Collar
1/2	3/4	1/4	**45582**	2-3/8	47701	47724
5/8	3/4	1/4	**45584**	2-3/8	47712	47724
3/4	3/4	1/4	**45586**	2-7/16	47714	47724
1-1/4	15/64	1/2	**45588**	2-5/8	47756	47740
1-1/4	1/2	1/2	**45590**	2-5/8	47756	47740

MORTISING BIT FOR BOTTOM CLEANING

UP-SHEAR DESIGN • 2 FLUTE

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.



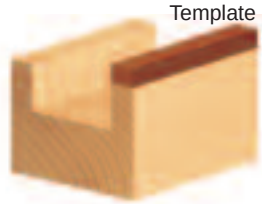
ØD	B	Tool No.	Ød	L
3/4	7/16	**45560**	1/4	2-1/4
3/4	7/16	**45562**	1/2	2-1/2
1	7/16	**45564**	1/2	2-1/2
1-1/2	5/8	**45566**	1/2	2-3/4

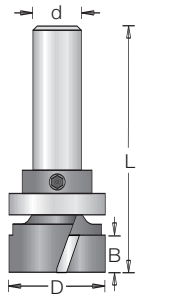
MORTISING BIT FOR BOTTOM CLEANING WITH UPPER BALL BEARING

UP-SHEAR DESIGN • 2 FLUTE

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

Template





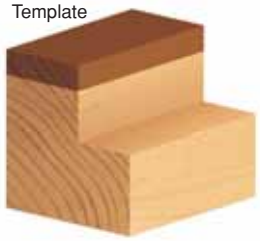
ØD	B	Ød	Tool No.	L	Replacement Bearing	Replacement Collar
3/4	7/16	1/4	**45561**	2-1/4	47714	47724
3/4	7/16	1/2	**45563**	2-1/2	47721	47740
1	7/16	1/2	**45565**	2-1/2	47754	47740
1-1/2	5/8	1/2	**45567**	2-3/4	47758	47740

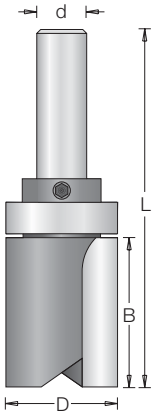
FLUSH TRIM PLUNGE TEMPLATE WITH UPPER BALL BEARING

2 FLUTE

This bit is essentially a plunge-cutting straight with a shank-mounted ball-bearing pilot. It is a versatile bit, useful for template/pattern routing of parts, joints, and 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 workpiece, forming an exact duplicate of the template. With a handheld router, the pattern is on top of the work; with a table-mounted router, the pattern is underneath the work.

Template





1/4" SHANK

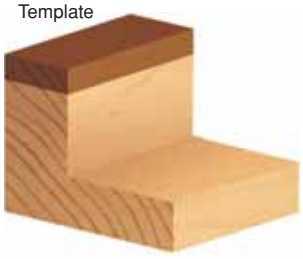
	ØD	B	Ød	Tool No.	L	Replacement Bearing	Replacement Collar
New	3/8	1/2	1/4	†45475	2	47701(2)	47724
	1/2	3/8	1/4	*45481	2-1/4	47701	47724
New	1/2	1/2	1/4	45487	2-1/2	47701	47724
New	1/2	3/4	1/4	45491	2-1/4	47701	47724
	1/2	1	1/4	45460	2-1/2	47701	47724
	1/2	1-1/4	1/4	45461	2-3/4	47701	47724
	5/8	1	1/4	45462	2-3/4	47712	47724
	5/8	1/2	1/4	45482	2-1/4	47712	47724
	5/8	3/4	1/4	45483	2-1/2	47712	47724
	3/4	3/4	1/4	45485	2-3/8	47714	47724
	3/4	1	1/4	45464	2-1/2	47714	47724

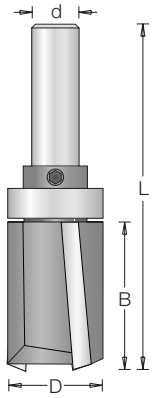
*For use on hardwood & flooring medallions. † Double Bearing.
See pages 20 & 86 for additional flooring bits.

3/8" SHANK

	ØD	B	Ød	Tool No.	L	Replacement Bearing	Replacement Collar
New	7/8	1	3/8	45499	2-5/8	47741	47730
	1	1	3/8	45466	2-7/8	47722	47730

Template





1/2" SHANK

	ØD	B	Ød	Tool No.	L	Replacement Bearing	Replacement Collar
	3/4	1	1/2	45463	3	47721	47739
*	3/4	1-1/4	1/2	45360	3-1/4	47721	47739
*	3/4	1-1/2	1/2	45362	3-1/2	47721	47739
	3/4	1-3/4	1/2	45465	3-3/4	47721	47739
*	3/4	2	1/2	45364	4	47721	47739
20 !	1	1-3/4	1/2	45467	3-3/4	47754	47739
New	1-1/8	1	1/2	45550	3	47738	47740
20 !	1-1/8	1-1/2	1/2	45468	3-1/2	47738	47740
New	1-1/8	2	1/2	45551	4	47738	47740

*** 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 Angle
45360, 45362 & 45364

⚠ **WARNING:** Maximum RPM 20 = 20,000

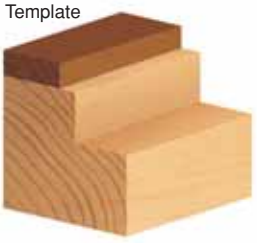
FLUSH TRIM PLUNGE TEMPLATE WITH OVERSIZED UPPER BALL BEARING

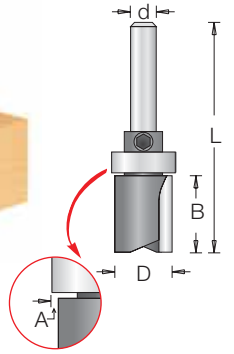
New

2 FLUTE

For template use with specificied jigs.

Template





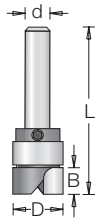
ØD	B	Ød	L	A	Tool No.	Repl. Bearing	Jigs
5/16	3/4	1/4	2-3/4	3/32	45495	47701	Porter Cable Morten™, Morten &Tenon, Omnijig®
1/2	1/4	1/4	1-7/8	1/8	45496	47714	Hinge-Mate™ II Template
9/16	3/4	1/4	2-1/4	1/32	45497	47712	Keller Box Joint

Replacement collar #47724.
Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.

DADO CLEAN-OUT

2 FLUTE • 1/4" SHANK

Bits designed with a 1/4" cutting edge for **dado clean-out**.
Also used in hardwood and flooring medallions.



45460-S
1/4" Cutting Length
dado clean-out

	ØD	B	Ød	Tool No.	L	Replacement Bearing	Collar
New	3/8	1/4	1/4	†**45475-S**	1-3/4	47701(2)	47724
New	1/2	1/8	1/4	**45489-S**	1-3/4	47701	47724
	1/2	1/4	1/4	**45460-S**	1-5/8	47701	47724
	5/8	1/4	1/4	**45462-S**	1-3/4	47712	47724
	3/4	1/4	1/4	**45464-S**	1-3/4	47714	47724

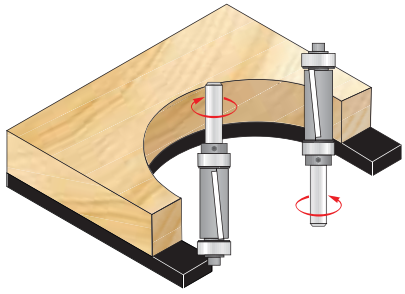
† Double Bearing

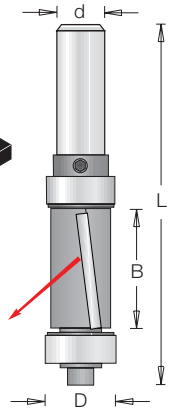
DOWN-SHEAR MULTI TRIMMER

New

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.





Down Shear Angle

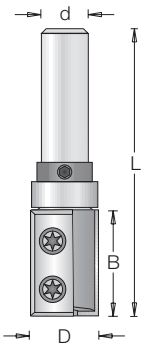
ØD	B	Ød	Tool No.	L	Replacement Bearing Upper	Lower
1/2	5/8	1/4	**47094**	2-3/32	47701	47706
3/4	1-1/4	1/2	**47096**	3-3/4	47721	47714
3/4	2	1/2	**47097**	4-5/16	47721	47714

INSERT CARBIDE FLUSH TRIM TEMPLATE WITH UPPER BALL BEARING

2 FLUTE

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: hard/softwood, MDF, solid surface, chip board and plywood.

Template



RCK-222

RCK-30

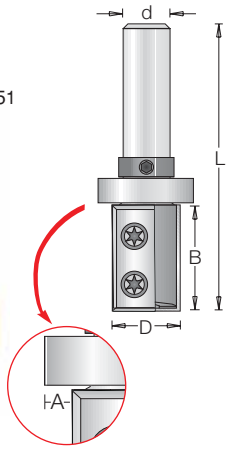
RCK-151

	ØD	B	Ød	Tool No.	L	Replacement Knives
New	3/4	20mm	1/2	**RC-1228**	3-1/4	RCK-222
	3/4	30mm	1/2	**RC-1230**	3-1/4	RCK-30
	3/4	50mm	1/2	* **RC-2400**	4-3/4	RCK-151

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

Replacement bearing #47721
Replacement collar #47739
Replacement knife screws #67115

Template



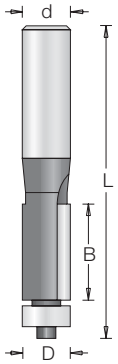
Different size overhangs can be achieved by replacing bearing #47721 with the following bearings:

Bearing No.	'A'
47745	1/8
47747	1/4

Above bearings must be purchased separately.

FLUSH TRIM WITH BALL BEARING GUIDE

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. A two-flute bit is a good general-purpose choice, providing fast cuts and good finishes. Excellent for template work.



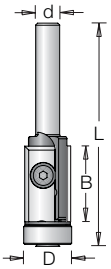
2 FLUTE

	ØD	B	Tool No.	Ød	L
	1/4	1/2	*47090	1/4	2-1/4
	1/4	1	*47092	1/4	2-1/2
	3/8	1/2	47102	1/4	2-1/8
	3/8	1	47100	1/4	2-5/8
	3/8	1	47101	1/2	3-1/8
New	3/8	1	†47103	3/8	2-7/8
	1/2	1	47104	1/4	2-5/8
New	1/2	13/16	RC-47104	1/4	2-5/16
	1/2	1/2	47106	1/4	2-1/4
	1/2	1	47108	1/2	3-1/4
	1/2	1/2	47110	1/2	2-3/4
	1/2	1	47112	3/8	2-7/8
	3/4	1	47140	1/2	3-1/4
	3/4	1-1/4	47141	1/2	3-1/2

*1/4" diameter for closer inside corner cutting only; bearings not guaranteed due to size.
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).

† Single Flute, for the RV industry.

RCK-262



RC-47104

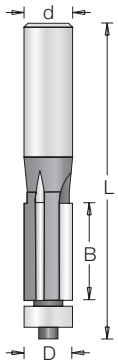
Replacement Knife #RCK-262 (2 Required)

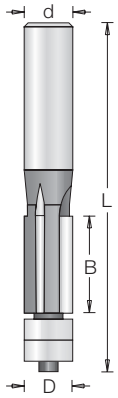
For an extremely smooth finish, choose the three-flute configuration. It is especially good to use on laminates that tend to chip easily.

3 FLUTE

	ØD	B	Tool No.	Ød	L
	1/2	1	47114	1/4	2-5/8
	1/2	1/2	47116	1/4	2
	1/2	1	47118	1/2	3-1/4
New	1/2	1	••47118-2	1/2	3-5/8
	1/2	1/2	47120	1/2	2-5/8

Standard replacement bearing (.500" dia.), use #47706.
Undersized bearing (.492" dia.), use #47715 - for use after re-sharpening.
••Durable ball bearing for added stability.





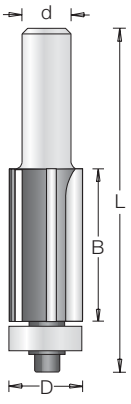
47118-2

For a super-smooth cut finish, use a four-flute bit. Feed rate is reduced, and chipping is virtually eliminated.

4 FLUTE

ØD	B	Tool No.	Ød	L
3/4	1	57184	1/2	3
3/4	1-1/2	57185	1/2	4
3/4	2	57186	1/2	4-1/2

Standard replacement bearing (steel) use #47714.
Optional Delrin® replacement bearing (steel) use #47709, for solid surface application.



Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

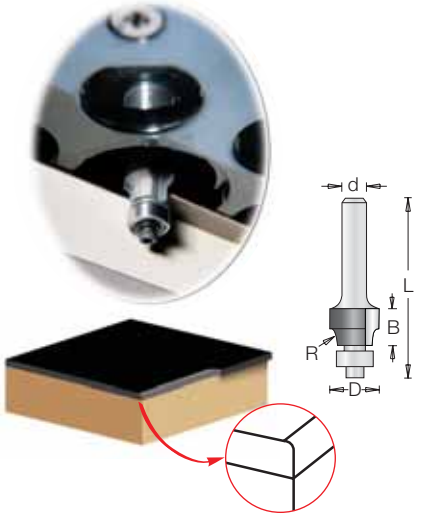
NO-FILE™ WITH BALL BEARING GUIDE

2 FLUTE • US PATENT NO. 4,669,923

Eliminate the time-consuming hand-filing that normally follows each trimming cut on a laminate job. Our patented No-File™ bit "breaks" the sharp edge as it trims the laminate flush.

ØD	B	R	Tool No.	Ød	L
1/2	3/8	.059 (1.5mm)	**47150**	1/4	1-7/8
1/2	3/8	.059 (1.5mm)	**47152**	1/2	2-1/8
1/2	3/8	.015 (0.4mm)	**47154**	1/4	1-7/8

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.).



FLUSH TRIM (EXTRA LONG) W/BALL BEARING GUIDE

Use this bit for template or pattern work where the workpiece is unusually thick. The two-flute configuration cuts fast and produces a smooth finish. For a superior finish, use the three-flute version. Twin bearings on selected tools provide better contact with reference edge and more stability in the cut.

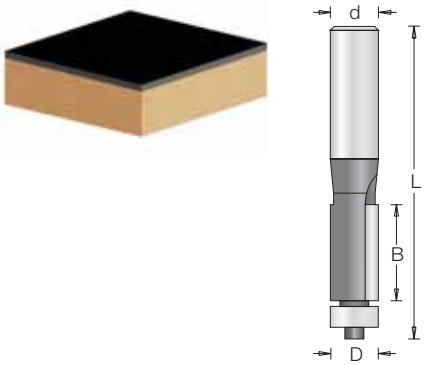
2 FLUTE

ØD	B	Tool No.	Ød	L
1/2	1-1/2	**47124**	1/2	3-7/8
1/2	2	**47126**	1/2	4-1/4
1/2	1-1/2	****47124-2**	1/2	4-1/16
1/2	2	****47126-2**	1/2	4-3/8

3 FLUTE

ØD	B	Tool No.	Ød	L
1/2	1-1/2	**47128**	1/2	3-7/8
1/2	1-1/2	****47128-2**	1/2	4-1/16

** Denotes double ball bearing for added stability.
Standard replacement bearing (.500" dia.), use #47706.
Undersized bearing (.492" dia.), use #47715 - for use after re-sharpening.



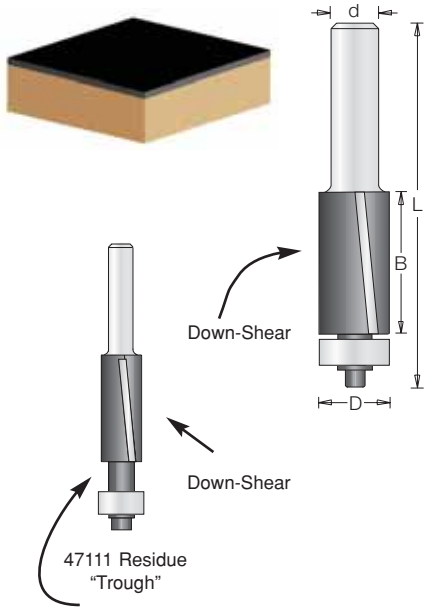
DYNABIT™ LAMINATE TRIM W/BALL BEARING GUIDE

2 FLUTE

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	Tool No.	Type	Replacement Bearing
1/2	1	1/4	2-5/8	**47105**	Down-shear	47706
1/2	1	1/2	3	**47109**	Down-shear	47706
1/2	1	1/4	2-7/8	**47111**	Down-shear	47706
1/2	1	1/2	3-1/4	**47113**	Down-shear	47706
1/2	2	1/2	4	**47129**	Down-shear	47706
5/8	5/8	1/4	2	**47180**	Flush Helix	47712
3/4	5/8	1/4	2-1/4	**47182**	Flush Helix	47714
3/4	3/8	1/4	2	**47184**	15° Bevel	47714

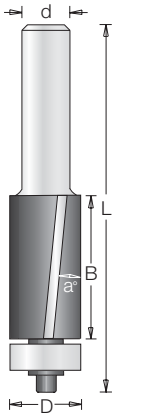
NOTE: Down-shear bits are not intended for router table use.



SUPERTRIM™ 3° SHEAR W/BALL BEARING GUIDE

2 FLUTE

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.



Artwork illustrates up-shear design.

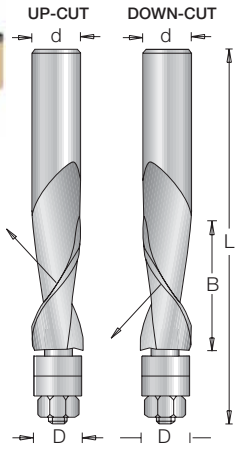
ØD	a°	B	Tool No.	Ød	L	Type
3/4	3°	1-1/2	**47130**	1/2	3-7/8	Up-shear
3/4	3°	2	**47134**	1/2	4-1/4	Up-shear
3/4	3°	1	**47135**	1/2	3	Down-shear
3/4	3°	1-1/2	**47136**	1/2	3-7/8	Down-shear
3/4	3°	2	**47138**	1/2	4-1/4	Down-shear

NOTE: Down-shear bits are not intended for router table use.
Steel replacement bearing #47714. Optional Delrin® bearing #47709.

ULTRATRIM™ SOLID CARBIDE SPIRAL TRIM

2 FLUTE WITH DOUBLE BALL BEARING GUIDES

For the ultimate, chip-free finish in laminate, melamine, solid surface and 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.



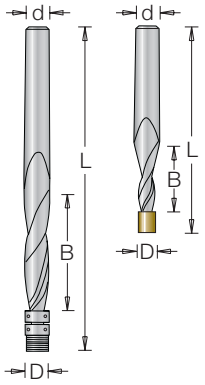
ØD	B	'Up-cut' Tool No.	'Down-cut' Tool No.		Ød	L
1/2	1-1/4	**46300**	**46400**	*New*	1/2	3-3/4
1/2	2	**46304**	**46404**	*New*	1/2	4-3/4

Standard Replacement Bearing: (.500" dia.), use #47706.
Undersized bearing (.492" dia.), use #47715 - for use after re-sharpening.
Replacement nut: use #67086.

ULTRATRIM™ SOLID CARBIDE SPIRAL TRIM

2 FLUTE • UP-CUT OR DOWN-CUT SPIRAL

Spiral flush trim bit, #46196 is used for acrylic and wood (such as 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 (such as MDF) up to a 1/2" thickness.



ØD	B	'Up-cut' Tool No.	'Down-cut' Tool No.	Ød	L
✙ 1/8	3/8	* **46196**	* **46296**	1/4	2
◆ 1/4	1	**46197**	**46297**	1/4	3

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

SOLID CARBIDE COMPRESSION SPIRAL

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/down-cut combination.

ØD	B	Tool No.	Ød	L
1/2	1-1/4	**46192**	1/2	3-3/4

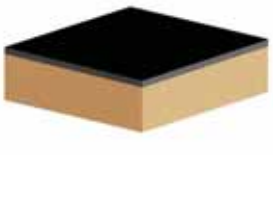
Replacement bearing #47706.
Replacement nut: use #67086.

ECONOMY INSERT FLUSH TRIM

new design breakthrough

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.



RCK-8

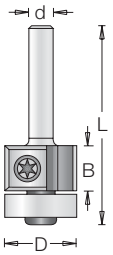
ØD	B	Tool No.	Ød	L	Replacement Knives
1/2	8mm(5/16)	**RC-2000**	1/4	2-1/4	RCK-8

Replacement bearing #47706. Replacement knife hex key #5011.
Replacement knife screws #67016. Replacement bearing screw #67018.
Allen key for bearing #5007.

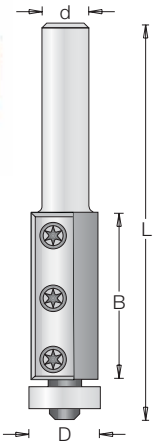
INSERT FLUSH TRIM

2 FLUTE WITH BALL BEARING GUIDE

In a production environment, insert tooling reduces downtime to a minimum. Each throw-away 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.



RC-1000



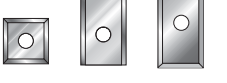
RC-1006

ØD	B	Tool No.	Ød	L	Replacement Knives
3/4	12mm	**RC-1000**	1/4	2-1/8	AMA-12
3/4	30mm	**RC-1002**	1/4	2-3/4	ICK-30
3/4	30mm	**RC-1004**	1/2	3-1/4	ICK-30
3/4	50mm	***RC-1006**	1/2	4-5/16	RCK-151

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

NOTE: RC-1000 & RC-1006 have four cutting edges per knife.
#'s RC-1002 & RC-1004 have two cutting edges per knife.

Torx® key included - #5005.
Replacement bearing #47711.
Replacement knife screws #67115.
Replacement bearing screws #67176.



AMA-12 ICK-30 RCK-151

Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

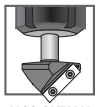
Amana Tool®

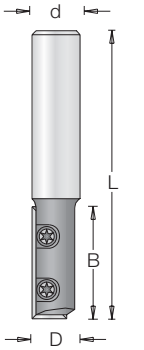
INSERT STRAIGHT

SINGLE FLUTE & 2 FLUTE

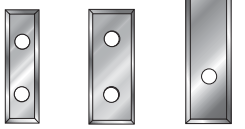
ØD	B	Ød	L	Tool No.	Flutes	Repl. Knives	Repl. Screws
1/2	30mm	1/2	3	**RC-1154**	1	AMA-30	67117
New 1/2	30mm	1/2	3	** **RC-1154-LH**	1	AMA-30	67117
5/8	30mm	1/2	3-3/8	**RC-1156**	1	RCK-30	67117
5/8	50mm	1/2	4-1/8	**RC-1158**	1	RCK-50	67117
3/4	30mm	1/2	3-3/8	**RC-1160**	1	RCK-30	67117
3/4	50mm	1/2	4-1/8	**RC-1162**	1	RCK-50	67117
7/8	30mm	1/2	3-3/8	**RC-1164**	1	RCK-30	67117
7/8	50mm	1/2	4-1/8	**RC-1166**	1	RCK-50	67117
5/8	30mm	1/2	3-3/8	**RC-1080**	2	AMA-30	67117
5/8	50mm	1/2	4-1/8	* **RC-1082**	2	AMA-30	67115
3/4	30mm	1/2	3-3/8	**RC-1084**	2	RCK-30	67115
3/4	50mm	1/2	4-1/8	* **RC-1086**	2	RCK-30	67115
7/8	30mm	1/2	3-3/8	**RC-1088**	2	RCK-30	67115
7/8	50mm	1/2	4-1/8	* **RC-1090**	2	RCK-30	67115

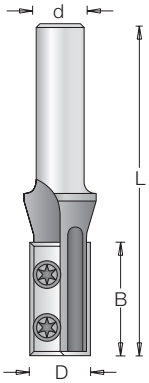
* **50mm** cutting edge is achieved using two **30mm** staggered knives.
** Left hand rotation.
NOTE: All above plunge bits have four cutting edges per knife. #5005 Torx® key included.
Metric sizes from 12mm to 22mm available on special order — please inquire.



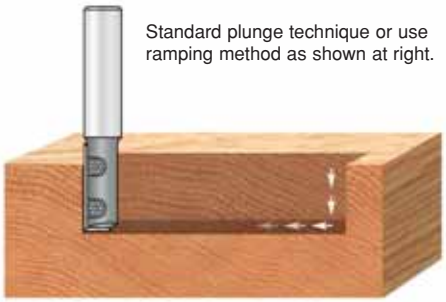


RC-1154
INSERT
PLUNGE BIT
(1-Flute)

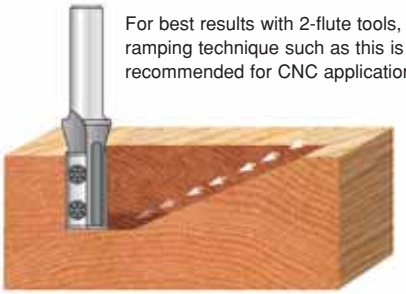




RC-1080
INSERT
STRAIGHT BIT
(2-Flute)



Standard plunge technique or use ramping method as shown at right.



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

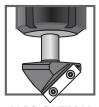
INSERT STRAIGHT

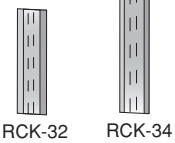
SINGLE FLUTE & 2 FLUTE

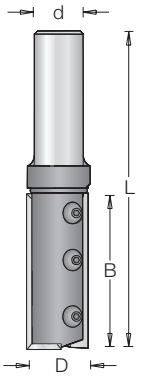
These router bits yield cuts which are cleaner than typical insert bits, offering high speed cuts with super clean finish. They also are channel set, double edge knives. Each blade has a double-sided cutting edge for economy. The insert carbide is much harder than brazed carbide. There is minimum amount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

ØD	B	Ød	L	Tool No.	Flutes	Repl. Knives	Repl. Screws
3/8	20mm	1/2	2-7/8	**RC-3100**	1	RCK-32	67104
1/2	30mm	1/2	3-1/8	**RC-3110**	1	RCK-34	67105
1/2	30mm	1/2	3-1/8	**RC-3200**	2	RCK-34	67105

Replacement 3 x .5mm set screws for #RC-3100 use #67015 (4mm long); #RC-3110 & #RC-3200 use #67016 (5mm long); all others use #67017 (6mm long). Replacement 1.5mm special hex key #5011.



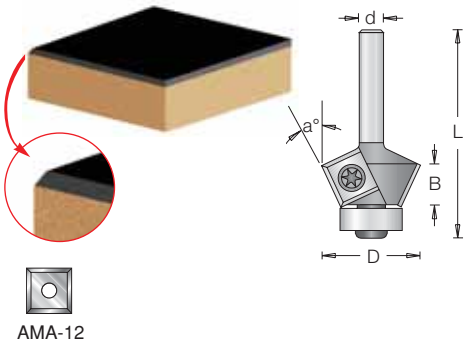




INSERT BEVEL TRIM™

2 FLUTE WITH BALL BEARING GUIDE

These knives are canted for bevel-trimming. Four different bevel angles are available.



AMA-12

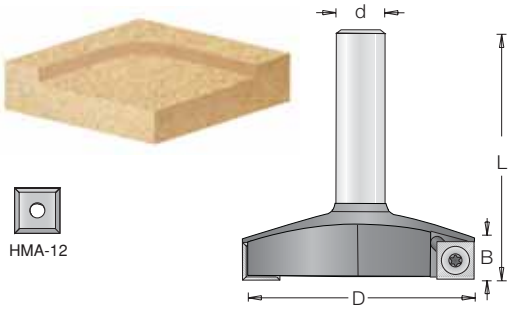
ØD	a°	B	Tool No.	Ød	L	Replacement Knives
13/16	15°	7/16	**RC-1008**	1/4	2-1/4	AMA-12
31/32	25°	7/16	**RC-1010**	1/4	2-1/4	AMA-12
1	30°	7/16	**RC-1012**	1/4	2-1/4	AMA-12
1-1/16	45°	7/16	**RC-1014**	1/4	2-1/4	AMA-12
New 1-15/32	75°	9/16	**RC-1016**	1/4	2-3/16	AMA-12

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.

SPOILBOARD SURFACING INSERT CUTTER

2 WINGS

Used in resurfacing of particle board, MDF and balsa core material. Utilizes 4-sided carbide inserts.



HMA-12

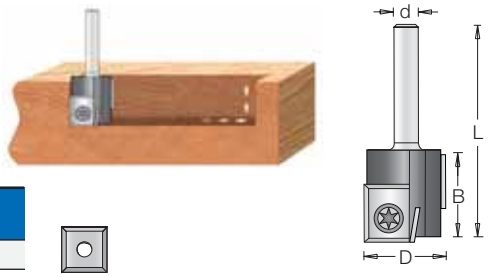
ØD	B	Tool No.	Ød	L	Replacement Knives
2-1/2	1/2	**RC-2257**	1/2	2-1/2	HMA-12
4	1/2	**RC-2258**	3/4	4	HMA-12

Replacement screws #67115
Replacement wrench #5005

ECONOMY INSERT STAGGERED PLUNGE

2 FLUTE

Staggered insert knives along with a fixed plunge knife (see diagram), utilizes 4-sided carbide inserts. Economically priced.



AMA-12

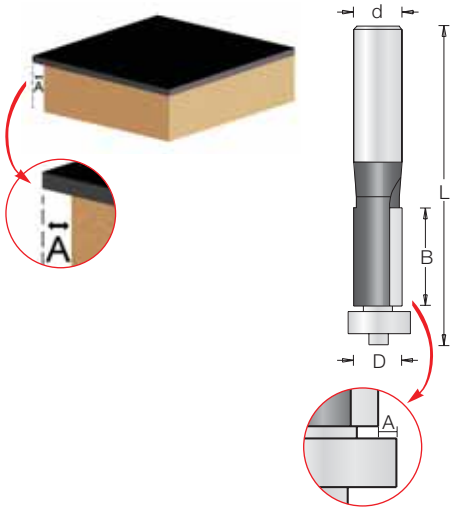
ØD	B	Tool No.	Ød	L	Replacement Knives
3/4	3/4	**RC-1024**	1/4	2	AMA-12
New 7/8	1/2	**RC-1022**	1/4	1-3/4	AMA-12
7/8	3/4	**RC-1026**	1/4	2	AMA-12

Replacement screws #67115. #5005 Torx® key included.

'OVERHANG' TRIM WITH BALL BEARING GUIDE

2 FLUTE

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 work or, template work, leaves an edge slightly proud of the template. Complete the operation with a final pass using a standard trim bit.



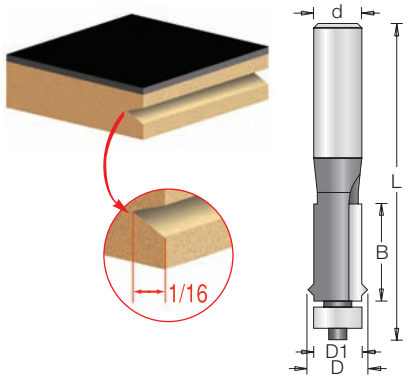
ØD	B	Tool No.	A	Ød	L
3/8	1/2	**47190**	1/8	1/4	2
1/2	1/2	**47192**	1/16	1/4	2
1/2	1/2	**47194**	1/16	1/2	2-5/8

Replacement bearing: #47718.

FLUSH TRIM 'V' GROOVE WITH BALL BEARING GUIDE

2 FLUTE

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.



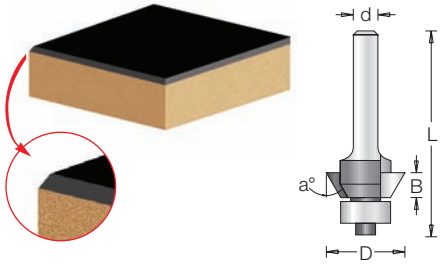
ØD	ØD1	B	Tool No.	Ød	L
5/8	1/2	1	**47160**	1/4	2-1/2
5/8	1/2	1	**47162**	1/2	3

Replacement bearing: #47706.

BEVEL TRIM WITH BALL BEARING GUIDE

2 FLUTE

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.



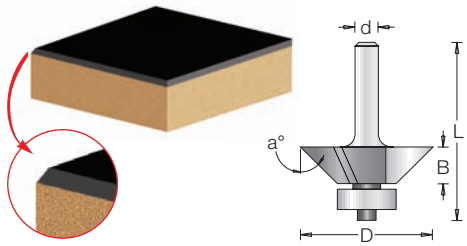
ØD	a°	Tool No.	B	Ød	L
5/8	15°	**47200**	9/32	1/4	1-7/8
1/2	22°	**47201**	3/8	1/4	1-3/4
23/32	25°	**47202**	9/32	1/4	1-7/8
3/4	25°	**47206**	7/16	1/4	1-7/8
1-1/16	45°	**47204**	9/32	1/4	2

NOTE: Tool #47206 has a 3/8" diameter bearing for closer inside corner cutting.
Replacement Bearing: Tool #47206 use #47704 bearing. All other tools use #47706 bearing (1/2" dia.) or new #47715 (.492" dia.) for use after resharpening.

BEVEL TRIM WITH BALL BEARING GUIDE

3 FLUTE

The solid construction of this carbide-tipped bit reduces vibration, and its three-flute configuration produces a very smooth cut. Intended for use in a standard router.



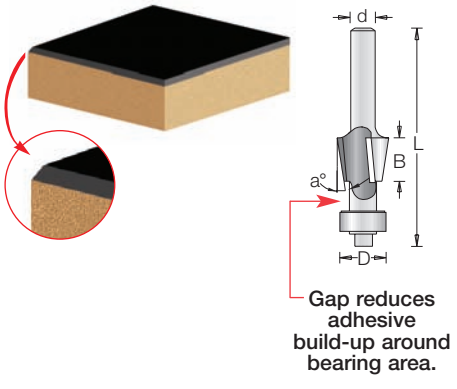
ØD	a°	Tool No.	B	Ød	L
3/4	7°	**47302**	7/16	1/4	2
51/64	15°	**47301**	7/16	1/4	2
15/16	23°	**47300**	7/16	1/4	1-7/8
1-3/32	30°	**47304**	7/16	1/4	2

Replacement Bearing: #47716

SPECIAL BEVEL TRIM WITH BALL BEARING GUIDE

2 FLUTE

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 degrade the cut.



ØD	a°	Tool No.	B	Ød	L
5/8	8°	**47210**	15/32	1/4	2-1/4

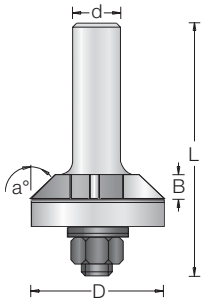
NOTE: Tool #47210 is a special 8° bevel tool with a gap (.287") to reduce glue build-up. Standard replacement bearing (.500" dia.) #47706 or new #47715 (.492" dia.) for use after resharpening.

Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

45° LAMINATE MITER JOINT UNDER-CUT ASSEMBLY

4 WING WITH 'ULTRA-GLIDE'™ BALL BEARING ASSEMBLY

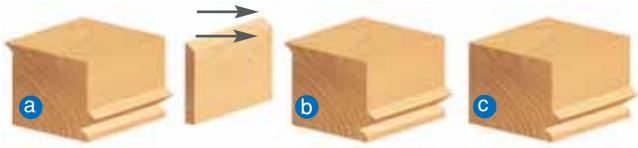
Eliminate that dark line at the edge of a counter or other laminate-covered surface. With this bit assembly, the laminate cemented to the substrait can be trimmed and mitered in one pass. Then a pre-mitered edging strip can be applied. The resulting seam is clean and crisp. Not intended for use in a laminate trimmer.



ØD	a°	Tool No.	B	Ød	L
1-3/8	45°	**55312**	1/4	1/4	2-3/8
1-3/8	45°	**55314**	1/4	1/2	2-3/8

Replacement Parts: 45° cutter only: #55310. 'Ultra-Glide'™ bearing: #47727. 1/4" shank arbor: #47600. 1/2" shank arbor: #47604.

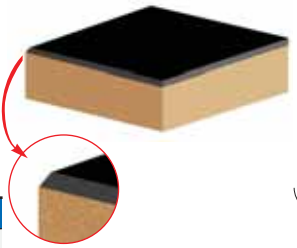
- (a) Laminated top is 'under-cut', as shown.
- (b) Apron laminate is pre-cut at 45°.
- (c) Adhere pre-cut laminate for a perfect fit. A fine file may be used to remove the sharp edge after joining.

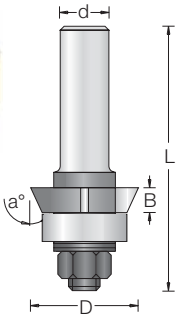


4 WING BEVEL TRIM CUTTER ASSEMBLY

INCLUDES: CUTTER, ARBOR AND 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.





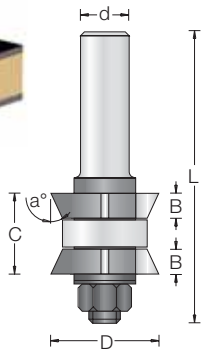
ØD	a°	Tool No.	B	Ød	L
7/8	Flush	**47400**	1/4	1/4	2-3/8
7/8	Flush	**47402**	1/4	1/2	2-3/8
1	15°	**47404**	1/4	1/4	2-3/8
1	15°	**47406**	1/4	1/2	2-3/8
1-1/16	25°	**47408**	1/4	1/4	2-3/8
1-1/16	25°	**47410**	1/4	1/2	2-3/8

Replacements: Arbors: 1/4" - #47600, 3/8" - #47602, 1/2" - #47604.
Cutters: Flush - #47500, 15° - #47502, 25° - #47504. Bearing: #47708.

4 WING DOUBLE BEVEL TRIM CUTTER ASSEMBLY

INCLUDES: CUTTER, ARBOR AND BALL BEARING GUIDE

Trim both edges of a countertop in a single pass with this assembly. Four-flute cutters ensure a smooth cut finish. Cutters can be switched with the bit secured in the router and without changing depth-of-cut setting. Not intended for use in a laminate trimmer.

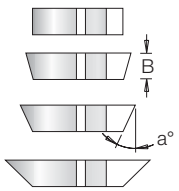


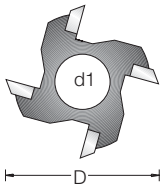
ØD	a°	B	Tool No.	C	Ød	L
7/8	Flush	1/4	**47412**	15/16	1/2	3
1	15°	1/4	**47414**	15/16	1/2	3
1-1/16	25°	1/4	**47416**	15/16	1/2	3

Replacement Parts: Bearing #47708 • Arbor #47612

4 WING CUTTERS ONLY

Cutters for the above assembly are available separately.





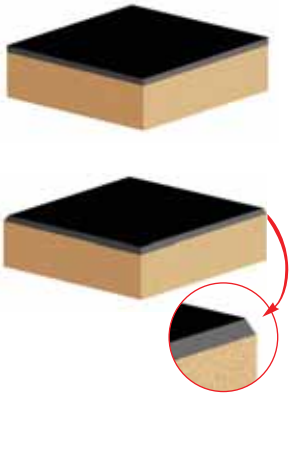
ØD	a°	B	Tool No.	Ød1	Usage
7/8	Flush	1/4	**47500**	5/16	T or B
1	15°	1/4	**47502**	5/16	*T
1	15°	1/4	**47502-L**	5/16	**B
1-1/16	25°	1/4	**47504**	5/16	*T
1-1/16	25°	1/4	**47504-L**	5/16	**B

***Denotes top cutter. **Denotes bottom cutter.**

PANEL PILOT SOLID CARBIDE

SINGLE FLUTE

Here's the ideal laminate trimming bit for high-volume production. Solid carbide and integral pilot (no bearing to maintain) extend life of bit, slim configuration reduces vibration. Suitable for routers and trimmers.



ØD	B	Tool No.	Ød	L	Type of Cut
1/4	1/4	**51200**	1/4	1-1/2	Flush
1/4	1/4	**51202**	1/4	1-1/2	7°
1/4	1/4	***51204**	1/4	1-7/16	Flush
1/4	3/8	**51206**	1/4	1-1/2	Flush

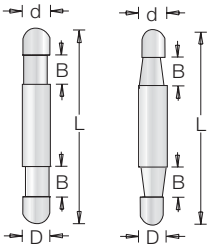
NOTE: *#51204 same as #51200 but with short pilot for dado trimming.

DOUBLE END PANEL PILOT SOLID CARBIDE

New

SINGLE FLUTE

Unique double ended panel pilot bits provide 2 cutting sides in one tool. When the bit dulls, just flip it over!



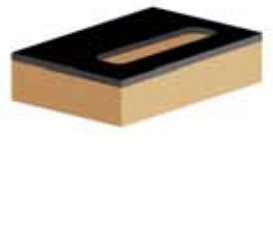
51201 51203

ØD	B	Tool No.	Ød	L	Type of Cut
1/4	1/4	**51201**	1/4	2	Flush
1/4	1/4	**51203**	1/4	2	7° Bevel

HOLE AND FLUSH CUT TRIMMER SOLID CARBIDE

SINGLE FLUTE

This bit is used where laminate is applied over pre-cut openings in the substrait. 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.

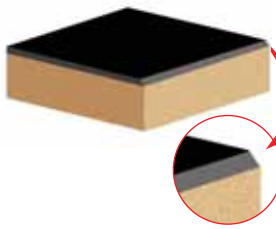


ØD	B	Tool No.	Ød	L
1/4	1/4	**51712**	1/4	1-1/2

COMBINATION FLUSH AND 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.

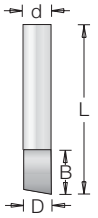


ØD	B	Tool No.	Ød	L
1/4	3/8	**51706**	1/4	1-1/2

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.

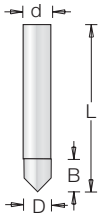


ØD	B	Tool No.	Ød	L
1/4	5/16	**51708**	1/4	1-1/2

'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.

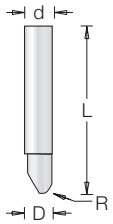


ØD	B	Tool No.	Ød	L
1/4	1/4	**51710**	1/4	1-1/2

VEINING SOLID CARBIDE

SINGLE FLUTE

Rout fine-line designs in laminate-covered and wooden surfaces with this bit, designed specifically for use in a laminate trimmer. It produces a round-bottomed groove.

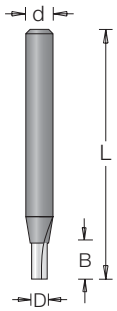


ØD	R	Tool No.	Ød	L
1/8	1/16	**51700**	1/4	1-1/2
3/16	3/32	**51702**	1/4	1-1/2
1/4	1/8	**51704**	1/4	1-1/2

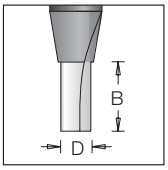
WEATHERSEAL STRAIGHT

SINGLE FLUTE

This bit is used to re-groove door and window frames to allow for insulating inserts to block wind and drafts.



ØD	B	Tool No.	Ød	L
1/8	1/2	**43813**	1/4	2-1/4



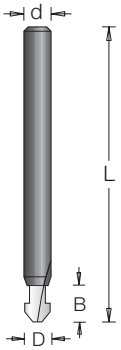
Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

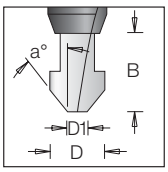
WEATHERSEAL PROFILE

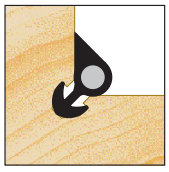
SINGLE FLUTE

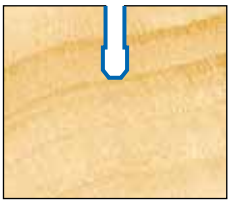
This bit is used to re-groove door and window frames to allow for insulating inserts to block wind and drafts.

ØD	D1	B	Tool No.	a°	Ød	L
1/8	1/16	3/8	**45729**	38°	1/4	2-1/2



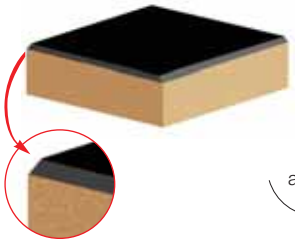






COMBINATION BEVEL AND FLUSH TRIM

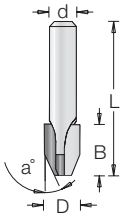
Cut, trim, and bevel laminates with one bit. Change depth-of-cut setting to shift from flush- to bevel-trimming. Must be used with an edge or bearing guide or fence. Designed specifically for use in laminate trimmers.



2 FLUTE

ØD	a°	B	Tool No.	Ød	L
1/2	23°	1/2	**51100**	1/4	1-3/4
1/2	30°	1/2	**51102**	1/4	1-3/4

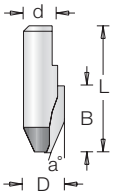
This is a carbide-tipped bevel trim bit designed specifically for use in laminate trimmers.



2 FLUTE

ØD	a°	B	Tool No.	Ød	L
11/32	22.5°	1/2	**51400**	1/4	1-5/8

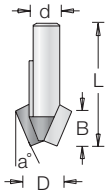
SINGLE FLUTE



ØD	a°	B	Tool No.	Ød	L
11/32	25°	1/2	**51500**	1/4	15/16

BEVEL TRIM

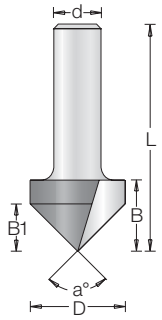
2 FLUTE



ØD	a°	B	Tool No.	Ød	L
13/32	22°	9/32	**51600**	1/4	15/16

'V' GROOVE
2 FLUTE

Cut decorative 'V' grooves and lettering on signs with these 'V' Groove bits. Use with an edge guide to chamfer and bevel edges. Can be used with handheld, table-mounted and CNC routers.



ØD	a°	B	Tool No.	B1	Ød	L
1/2	60°	5/8	† 45705	7/16	1/4	1-3/4
3/8	90°	7/16	45700	3/16	1/4	1-5/8
3/8	90°	7/16	45702	3/16	1/2	2
1/2	90°	1/2	45704	1/4	1/4	1-5/8
1/2	90°	1/2	45708	1/4	1/2	2-1/8
5/8	90°	1/2	45710	5/16	1/4	1-5/8
5/8	90°	1/2	45712	5/16	1/2	2
3/4	90°	5/8	45714	3/8	1/4	1-3/4
3/4	90°	5/8	45716	3/8	1/2	2-1/8
7/8	90°	5/8	45718	7/16	1/4	1-7/8
7/8	90°	5/8	45720	7/16	1/2	2-1/4
1	90°	5/8	45722	1/2	1/4	1-7/8
1	90°	5/8	45724	1/2	1/2	2-1/4
1-1/4	90°	3/4	45726	5/8	1/2	2-1/2
1-1/4	90°	15/16	45751	5/8	1/4	2-13/64
1-1/4	100°	53/64	45752	17/32	1/4	2-3/32
1-1/4	110°	47/64	45754	7/16	1/4	2
1-1/4	120°	21/32	45756	23/64	1/4	1-59/64
1-1/4	130°	31/64	45758	13/64	1/4	1-3/4
1-1/4	140°	31/64	45764	15/64	1/4	1-47/64
1-1/4	150°	7/16	45770	11/64	1/4	1-11/16
18 1-1/2	90°	1	45728 ♦	3/4	1/2	2-3/4
12 2	90°	1-3/4	45732 ♦	1	1/2	3-1/4
18 1-1/4	90°	3/4	★ 45726-CNC	5/8	1/2	2-1/2
18 1-1/2	90°	1	★ 45728-CNC	3/4	1/2	2-3/4
18 2	90°	1-3/4	★ 45732-CNC	1	1/2	3-1/4

NOTE: 90° 'V' Groove bits are for decorative purposes and are not intended for 'miter-folding', etc.
† 2 flute 60° 'V' Groove bit designed for lettering, signmaking and decorative work.

⚠ **WARNING:** Maximum RPM 12 = 12,000; 18 = 18,000

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

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

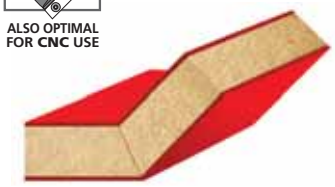
Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

'V' GROOVE & SIGNMAKING "MITER FOLD" INSERT

New

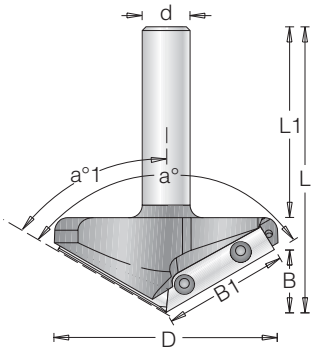
1/2" SHANK

ALSO OPTIMAL FOR CNC USE



These industrial insert router bits were especially designed for applications including:
- Miter Folds - "create the perfect joint"
- Signmaking and Lettering

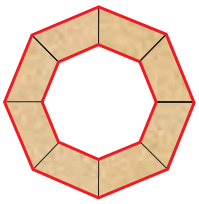
The innovative CNC tool design uses high grade carbide insert knives which allow you to get two uses out of each insert. Once insert knife shows signs of wear, just rotate the insert for a brand new cutting edge. Secure locking screw system ensures maximum safety and maintains cutting accuracy. CNC router requires quality hold-downs to ensure the least possibility of material shifting during operation.



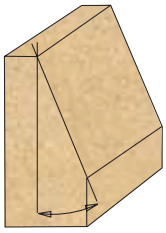
ADVANTAGES OF INSERT TOOLING

- Long lasting insert knives provide superior smooth quality cuts every time.
- Quick and precise replacement of dull knives.
- Insert accuracy extends tool life.
- Insert tooling allows for harder grades of carbide.
- Special carbide grades for special applications.
- Knives can be re-sharpened multiple times without affecting the original profile
- Cost-effective solution compared to replacing brazed router bits.

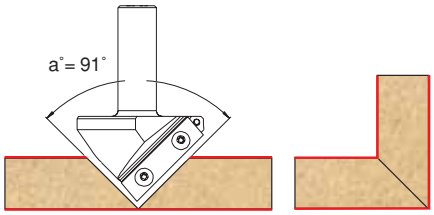
45° FOLD
RC-1102



8 sides (22.5°)
RC-1045

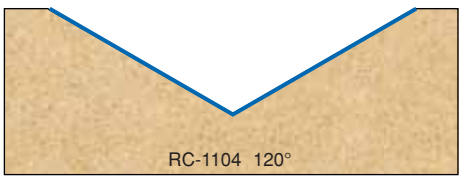


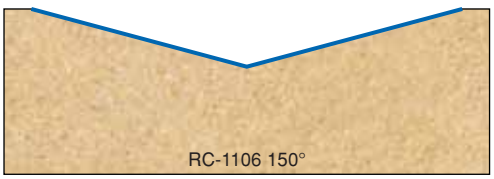
22.5°
RC-1045



RC-1100

	ØD	a°	a°1	B	B1	Flutes	Ød	Tool No.	L1	L	Max. RPM	Repl. T.C Knife	Torx Screw
18	13/16	45°	22.5°	1	1- 1/16	1	1/2	**RC-1045**	1-3/8	2-3/8	18,000	RCK-56	67117
18	7/8	50°	25°	31/32	1- 1/16	1	1/2	**RC-1046**	1-1/2	2-9/16	18,000	RCK-56	67117
18	1-1/32	60°	30°	29/32	1- 1/16	1	1/2	**RC-1108**	1-3/8	2-7/16	18,000	RCK-56	67117
18	1-7/32	70°	35°	7/8	1- 1/16	1	1/2	**RC-1048**	1-1/2	2-9/16	18,000	RCK-56	67117
22	1-1/2	90°	45°	3/4	1- 1/16	1	1/2	**RC-1102**	1- 25/32	3	22,000	RCK-134	67117
22	1-1/2	91°	45.5°	3/4	1- 1/16	1	1/2	**RC-1100**	1- 25/32	3	22,000	RCK-119	67117
22	1-5/8	100°	50°	11/16	1- 1/16	1	1/2	**RC-1103**	2	3-3/16	22,000	RCK-119	67117
22	1-3/4	110°	55°	5/8	1- 1/16	2	1/2	**RC-1105**	2	3-3/16	22,000	RCK-119	67117
18	2-1/32	120°	60°	9/16	1-5/32	2	1/2	**RC-1104**	2	3-1/16	18,000	RCK-136	67139
16	2-1/8	130°	65°	1/2	1-5/32	2	1/2	**RC-1107**	2	3	16,000	RCK-137	67115
14	2-1/4	150°	75°	9/32	1-5/32	2	1/2	**RC-1106**	2	2-15/16	14,000	RCK-137	67115
14	2-5/16	160°	80°	3/16	1-5/32	2	1/2	**RC-1109**	2	2-25/32	14,000	RCK-137	67115





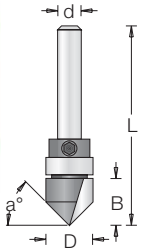
WARNING: Maximum RPM 14 = 14,000; 16 = 16,000; 18 = 18,000; 22 = 22,000

For more bits for CNC with 3/4" shank see page 132

Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

CORE BOX AND 'V' GROOVE WITH UPPER BALL BEARING

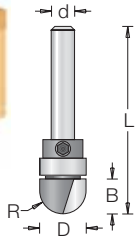
2 FLUTE

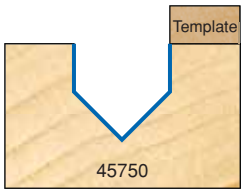


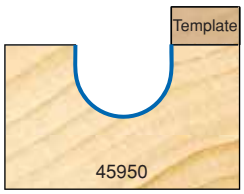
Designed for fluting and 'V' grooving cuts guided by a template or pattern. The shank-mounted ball-bearing pilot rides along the template edge, and the cutter duplicates the template contour in the workpiece. With a handheld router, the template must be on top of the workpiece. With a table-mounted router,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

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

Replacement Bearing: #47701. Replacement Collar: #47724.
*NOTE: 90° 'V' Groove bit is for decorative purposes and is not intended for 'miter-folding', etc.







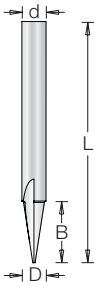
CARVING LINER SOLID CARBIDE

New

SINGLE FLUTE

For extra-fine carving and lettering details.

ØD	B	Tool No.	Ød	L
1/4	5/8	45783	1/4	2-1/2

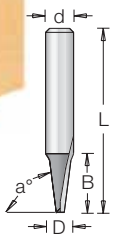


CARVING/ENGRAVING SOLID CARBIDE

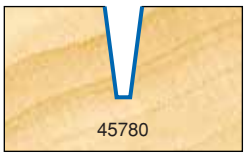
2 FLUTE

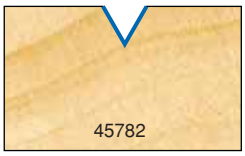
For fine-line "engraving" in wood and composite materials, use either of these compact bits. Two-flute configuration and modest length (which minimizes vibration) combine to produce crisp, clean cuts.

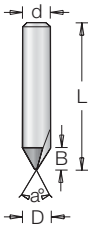
ØD	a°	Tool No.	B	Ød	L
3/16	82.5°	45780	1/2	1/4	2
1/4	60°	45782	3/16	1/4	1-1/2



45780







45782

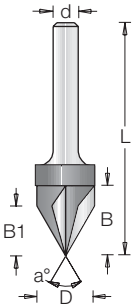
Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

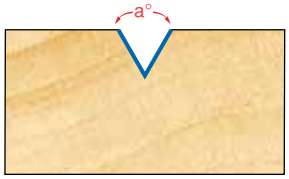
Amana Tool®

SIGNMAKING AND LETTERING SOLID CARBIDE CUTTING HEAD

3 FLUTE

Originally developed in Europe specifically for professional signmakers, this 3-flute, solid-carbide 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.





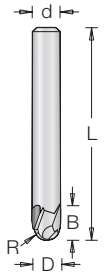
ØD	a°	B	Tool No.	B1	Ød	L
9/16	60°	7/16	**45730**	1/2	1/4	2-1/4
9/16	60°	7/16	**45733**	1/2	1/2	2-1/4
9/16	60°	7/16	***45731**	1/2	1/4	2-1/2

***For optimal use with acrylics.**

BOTTOM ROUND

2 FLUTE

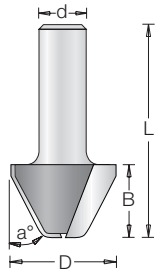
Developed for producing round bottomed grooves in hardwood and softwood, plywood and composition material. Used for engraving and carving.



ØD	R	Tool No.	B	Ød	L
1/4	1/8	**45784**	3/8	1/4	2-1/2
3/8	3/16	**45786**	7/16	3/8	3

LETTERING 60° ANGLE

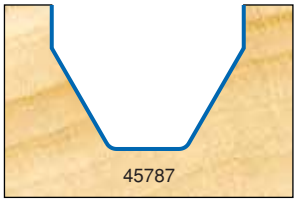
Designed for routing signs. The 60° cutting angle expels excess material quickly and eliminates chipping and splintering. For use in hardwood, softwood, plywood and composition material.

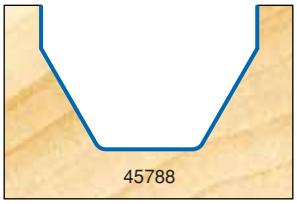


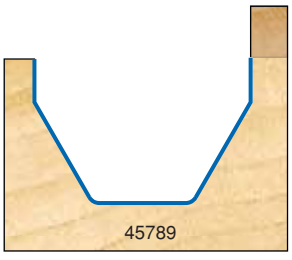
45788

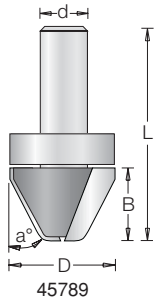
ØD	a°	Tool No.	B	Ød	L
1	60°	**45787**	3/4	1/4	2-1/2
1-1/8	60°	**45788**	3/4	1/2	2-3/4
1-1/8	60°	✣**45789**	3/4	1/2	2-3/4

✣Replacement bearing #47738.
✣Replacement collar #47740.


45787


45788


45789

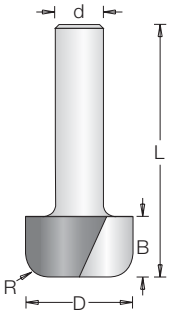


45789

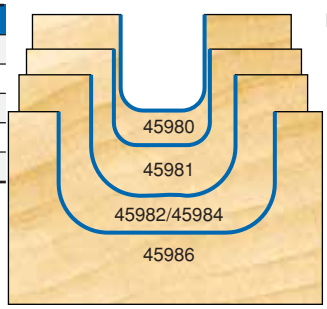
BOWL & TRAY

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.



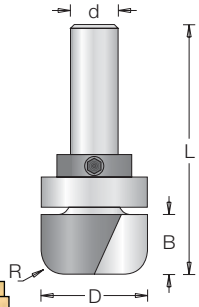
ØD	R	Tool No.	B	Ød	L
7/16	1/8	**45980**	1/2	1/4	2
1/2	1/8	**45981**	1/2	1/4	2-1/8
3/4	1/4	**45982**	5/8	1/4	2-5/8
3/4	1/4	**45984**	5/8	1/2	2-5/8
1-1/8	1/4	**45986**	5/8	1/2	2-5/8



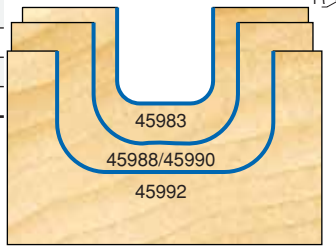
BOWL & TRAY WITH UPPER BALL BEARING

2 FLUTE

Same bit as above, but with a shank-mounted bearing so the bit can be used with a template or pattern.



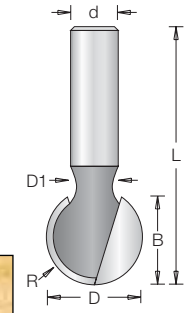
ØD	R	B	Ød	Tool No.	L	Replacement Bearing	Replacement Collar
1/2	1/8	1/2	1/4	**45983**	2-1/8	47701	47724
3/4	1/4	5/8	1/4	**45988**	2	47714	47724
3/4	1/4	5/8	1/2	**45990**	2-5/8	47721	47739
1-1/8	1/4	5/8	1/2	**45992**	2-5/8	47738	47740



BALL END

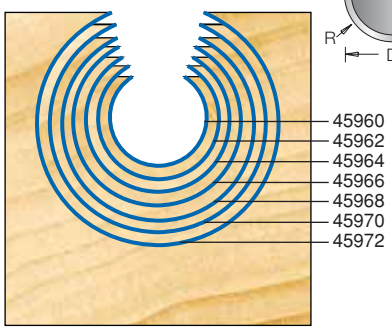
2 FLUTE

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	Tool No.	B	Ød	L
1/2	1/4	1/4	**45960**	7/16	1/2	2-1/4
5/8	9/32	5/16	**45962**	9/16	1/2	2-3/8
3/4	5/16	3/8	**45964**	11/16	1/2	2-1/2
7/8	5/16	7/16	**45966**	13/16	1/2	2-5/8
1	11/32	1/2	**45968**	15/16	1/2	2-3/4
1-1/8	13/32	9/16	**45970**	1-1/16	1/2	2-7/8
1-1/4	7/16	5/8	**45972**	1-3/16	1/2	3

NOTE: Profile is useful as a 'conduit' for cables, pipes, etc.

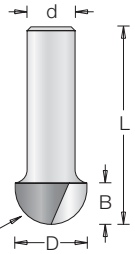


Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

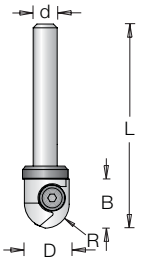
CORE BOX

2 FLUTE

Cut half-round grooves for fluted moldings, columns, millwork and signs using a core box bit. Used with an edge guide, it can cut coves. Can be used with handheld, table-mounted and CNC routers.

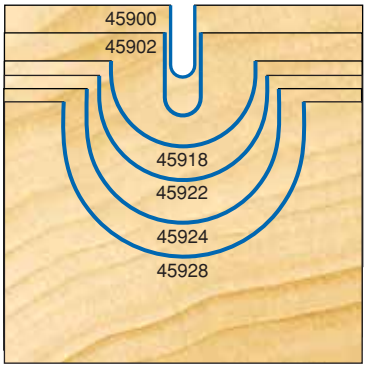


RCK-266



RC-45910

	ØD	R	Tool No.	B	Ød	L
	1/8	1/16	45900	3/8	1/4	1-3/4
	3/16	3/32	45902	1/2	1/4	1-3/4
	1/4	1/8	45904	1/4	1/4	1-5/8
	3/8	3/16	45906	1/4	1/4	1-1/2
	3/8	3/16	45908	1/4	1/2	2
	1/2	1/4	45910	3/8	1/4	1-1/2
New	1/2	1/4	RC-45910	1/2	1/4	2-1/8
	1/2	1/4	45912	3/8	1/2	2-1/8
	5/8	5/16	45914	7/16	1/4	1-5/8
	5/8	5/16	45916	7/16	1/2	2
	11/16	3/8	45923	7/16	1/2	2
	3/4	3/8	45918	7/16	1/4	1-3/4
	3/4	3/8	45920	7/16	1/2	2
	7/8	7/16	45922	1/2	1/2	2-1/4
	1	1/2	45924	5/8	1/4	1-3/4
	1	1/2	45926	11/16	1/2	2-1/8
20	1-1/4	5/8	45928♦	3/4	1/2	2-5/16
18	1-1/4	5/8	★45944-CNC	1-1/4	1/2	2-3/4
18	1-1/2	3/4	★45946-CNC	1-1/4	1/2	2-3/4
18	2	1	★45948-CNC	1-1/4	1/2	2-3/4



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

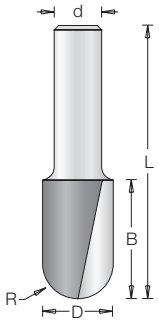
★**WARNING:** These tools have an open flute design (not anti-kickback) and are intended for high feed-rate CNC machine use only. Do not use in portable routers.

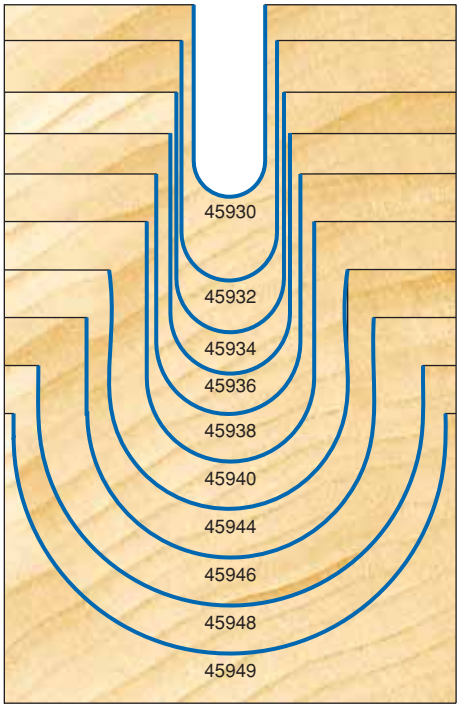
Replacement Knife #RCK-266 (RC-45910 - single flute)

ELONGATED CORE BOX

2 FLUTE • EXTRA DEEP

Cut much deeper flutes than possible with a regular core box bit.





	ØD	R	Tool No.	B	Ød	L
	3/8	3/16	45930	1	1/2	2-3/4
	1/2	1/4	45932	1-1/4	1/2	2-3/4
	9/16	9/32	45934	1-1/4	1/2	2-3/4
	5/8	5/16	45936	1-1/4	1/2	2-3/4
	3/4	3/8	45938	1-1/4	1/2	2-3/4
	7/8	7/16	45940	1-1/4	1/2	2-3/4
	1	1/2	45942	1-1/4	1/2	2-3/4
20	1-1/4	5/8	45944♦	1-1/4	1/2	2-3/4
18	1-1/2	3/4	45946♦	1-1/4	1/2	2-3/4
14	2	1	45948♦	1-1/4	1/2	2-3/4
14	2-1/4	1-1/8	45949♦	1-1/4	1/2	3

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

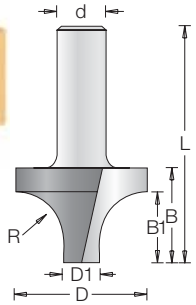
WARNING: Maximum RPM 14 = 14,000; 18 = 18,000; 20 = 20,000

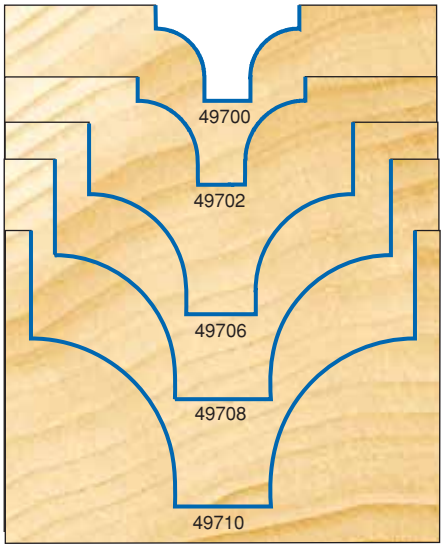
Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

Router Bits

ROUND OVER GROOVE

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.

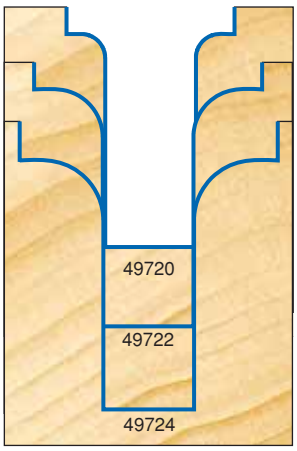
ØD	ØD1	R	B	Tool No.	B1	Ød	L
3/4	.240	1/4	1/2	**49700**	3/8	1/2	2
.615	.240	3/16	1/2	**49701**	3/16	1/2	2-1/8
7/8	.245	5/16	9/16	**49702**	7/16	1/2	2-1/16
1	.250	3/8	5/8	**49704**	15/32	1/2	2-1/8
1-3/8	.363	1/2	1	**49706**	3/4	1/2	2-1/2
14 1-3/4	.500	5/8	1-1/4	**49708**♦	1	1/2	2-3/4
14 2	.500	3/4	1-7/16	**49710**♦	1-1/8	1/2	2-15/16
14 1-3/8	.363	1/2	1	**★49706-CNC**♦	3/4	1/2	2-1/2
14 1-3/4	.500	5/8	1-1/4	**★49708-CNC**♦	1	1/2	2-3/4
14 2	.500	3/4	1-7/16	**★49710-CNC**♦	1-1/8	1/2	2-15/16

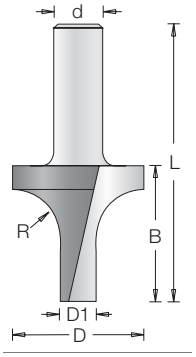
♦ Use in a table-mounted router. Not for use in a handheld router!

★**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.

ROUND OVER GROOVE - ELONGATED PLUNGE

2 FLUTE • EXTRA DEEP



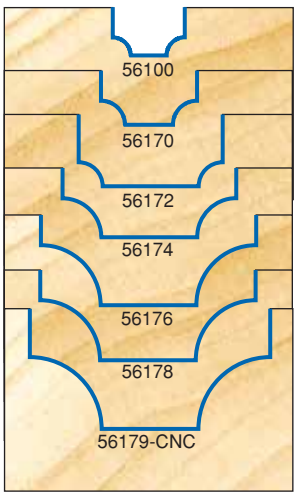


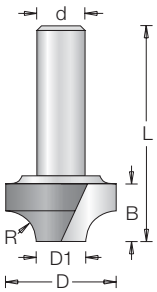
Proportion alone distinguishes this bit from the series above. This one cuts a deep, 1/2-inch-wide groove with small-radius shoulders. It can be used in a handheld or table-mounted routers; the cut must be guided by an edge-guide or fence.

ØD	ØD1	R	Tool No.	B	Ød	L
7/8	1/2	1/8	**49720**	1-1/4	1/2	2-1/2
1-3/16	1/2	1/4	**49722**	1-3/8	1/2	2-3/8
1-11/32	1/2	5/16	**49724**	1-1/2	1/2	3

BEADING GROOVE

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 roundover above. Used with a fence or edge guide, this beading bit can be used as an edge former.

ØD	ØD1	R	Tool No.	B	Ød	L
3/8	3/16	3/32	**56100**	5/16	1/4	2
1/2	1/4	1/8	**56170**	3/8	1/4	1-7/8
3/4	1/2	1/8	**56172**	3/8	1/4	2
7/8	1/2	13/64	**56174**	15/32	1/4	2-3/16
14 1-1/8	1/2	5/16	**56176**♦	9/16	1/4	2-3/8
14 1-1/8	1/2	5/16	**56178**♦	9/16	1/2	2-3/4
New 1-1/4	1/2	3/8	**56179-CNC**	5/8	1/2	2-9/16

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

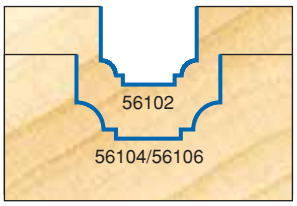
⚠ **WARNING:** Maximum RPM 14 = 14,000

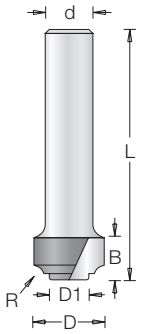
Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

TRADITIONAL GROOVE

2 FLUTE

The “traditional” profile is similar to the beading, but it is more delicate and includes a step between the quarter-round and the flat bottom to the groove. Use it for routing decorative details on solid wood surfaces.



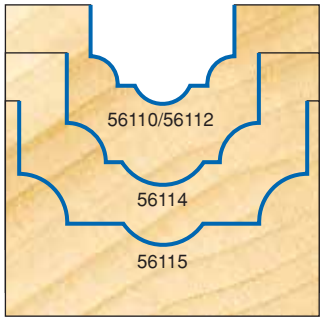


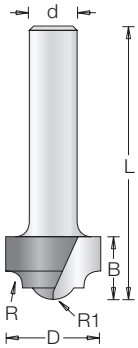
ØD	ØD1	R	Tool No.	B	Ød	L
1/2	.270	5/64	**56102**	13/32	1/4	2-1/16
3/4	.338	9/64	**56104**	7/16	1/4	2-1/16
3/4	.394	9/64	**56106**	7/16	1/2	2-5/8

CLASSICAL GROOVE

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.





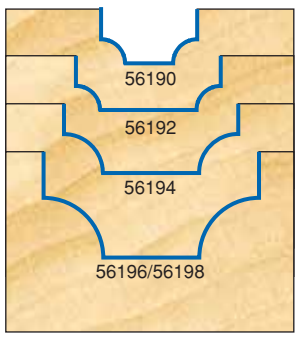
ØD	R	R1	Tool No.	B	Ød	L
1/2	3/32	9/64	**56108**	7/16	1/4	2
3/4	9/64	5/32	**56110**	1/2	1/4	2-1/16
3/4	9/64	5/32	**56112**	1/2	1/2	2-3/4
1	13/64	1/4	**56114**	11/16	1/2	3
1-1/2	1/4	1/4	**56115**♦	3/4	1/2	3

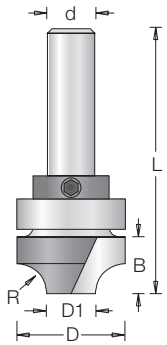
♦Use in a table-mounted router. Not for use in a handheld router!

BEAD GROOVE WITH UPPER BALL BEARING

2 FLUTE

This is the same bit as the beading groove, but with a shank-mounted ball-bearing pilot for use with patterns.





ØD	ØD1	R	B	Tool No.	Ød	L	Replacement Bearing	Replacement Collar
1/2	1/4	1/8	3/8	**56190**	1/4	1-7/8	47701	47724
3/4	1/2	1/8	3/8	**56192**	1/4	2	47714	47724
7/8	1/2	13/64	15/32	**56194**	1/4	2-5/16	47708	47724
1-1/8	1/2	5/16	9/16	**56196**	1/4	2-5/16	47738	47724
1-1/8	1/2	5/16	9/16	**56198**	1/2	2-5/16	47738	47770

TIP: Use plunge form bits for routing decorative details on the face side of raised panels or solid wood paneling, or on the edge using a fence.

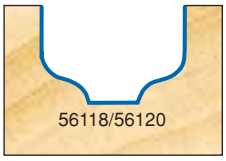
Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

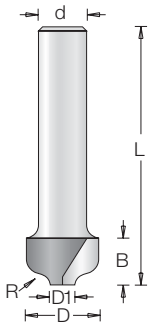
OGEE GROOVE

2 FLUTE

Rout a flat-bottom groove with ogee shoulders. Decorate any solid wood surface using a handheld or CNC router.

ØD	ØD1	R	Tool No.	B	Ød	L
3/4	.256	9/64	**56118**	1/2	1/2	2-3/4
3/4	.249	9/64	**56120**	1/2	1/4	2-1/8
1/2	.157	5/64	**56122**	3/8	1/4	2
3/8	.123	1/16	**56124**	5/16	1/4	2



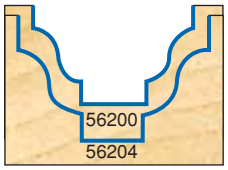


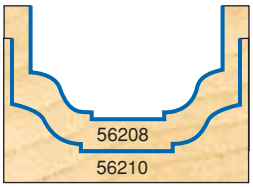
OGEE GROOVE

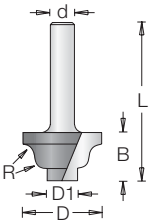
2 FLUTE

This bit is similar to the above, but forms a flat-bottom groove with a reverse ogee and step profile for the shoulders.

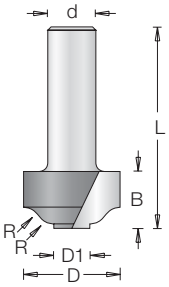
ØD	ØD1	R	Tool No.	B	Ød	L
13/16	5/16	1/8	**56200**	17/32	1/4	1-3/4
15/16	5/16	5/32	**56204**	21/32	1/4	1-7/8
1	3/8	3/16	**56208**	19/32	1/2	1-7/8
1-3/16	15/32	15/64	**56210**	19/32	1/2	1-7/8







56204



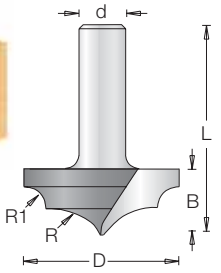
56208

ROUND OVER GROOVE

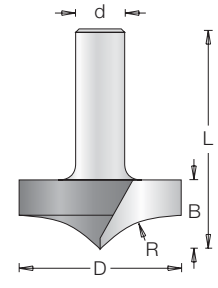
2 FLUTE

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	Tool No.	B	Ød	L
1-3/4	23/32	–	**49570**	23/32	1/2	2-3/16
1-5/8	1	–	**49572**	23/32	1/2	2-3/16
1-5/8	19/32	1/4	**49574**	23/32	1/2	2-3/16

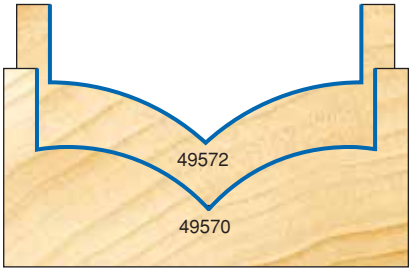


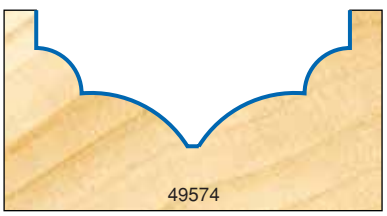
49574



49570

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



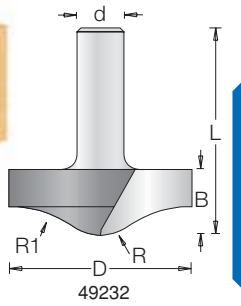


Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

ROUND & OGEE GROOVE

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.

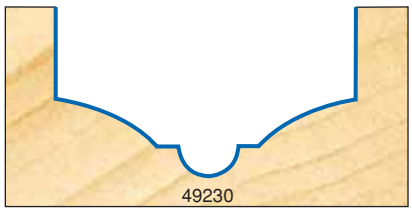


49232

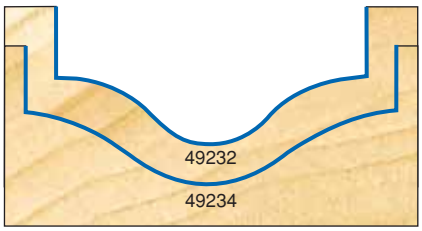
ØD	R	R1	Tool No.	B	Ød	L
1-9/16	5/32	7/8	**49230**	7/8	1/2	2-9/32
1-5/8	3/8	3/4	**49232**	23/32	1/2	2-3/16
1-31/32	5/8	1-3/16	**49234**	23/32	1/2	2-3/16

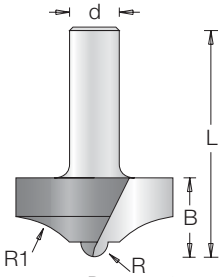
TIP: Use plunge form bits for routing decorative details on the face side of raised panels or solid wood paneling, or on the edge using a fence.

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



49230



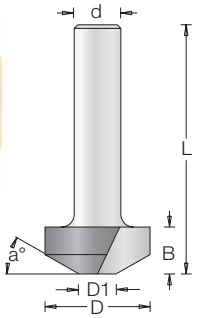


49230

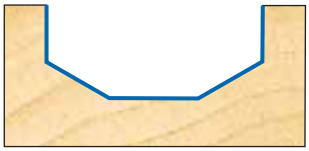
RAISED PANEL GROOVE

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.



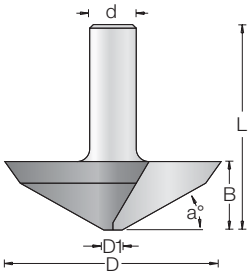
ØD	ØD1	a°	Tool No.	B	Ød	L
1-1/8	.454	30°	**56116**	1/2	1/2	2-3/4



RAISED PANEL GROOVE

2 FLUTE

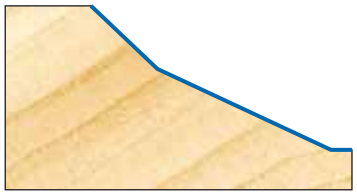
Rout decorative grooves on solid wood or MDF panels and surfaces with a handheld or CNC router.



ØD	ØD1	a°	Tool No.	B	Ød	L
18 2-23/32	7/32	25°	**56117**	3/4	1/2	2-1/4

⚠ **WARNING:** Maximum RPM 18 =18,000

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



Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

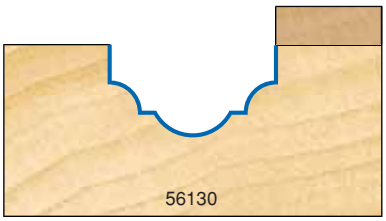
CLASSICAL GROOVE WITH BALL BEARING GUIDE

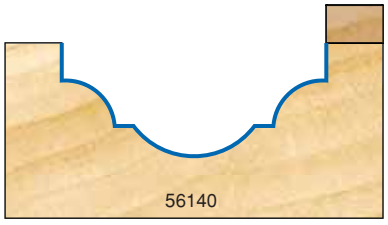
2 FLUTE

Rout decorative grooves on solid wood or MDF panels and surfaces with a handheld or CNC 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 workpiece.

ØD	R	R1	Tool No.	B	Ød	L
7/8	5/32	7/32	**56130**	1/2	1/4	2
1-3/8	1/4	13/32	**56140**	9/16	1/2	2-5/8

Replacement Parts: Order #	Ball Bearing	Lock Ring
56130	47708	47748
56140	47734	47750

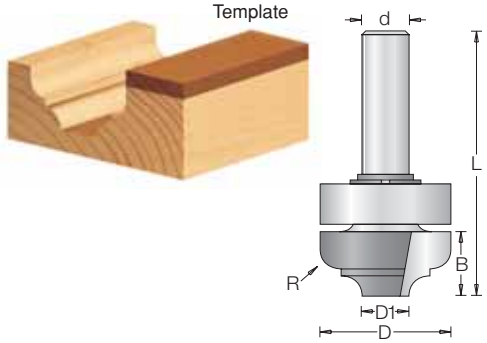




CLASSICAL GROOVE WITH BALL BEARING GUIDE

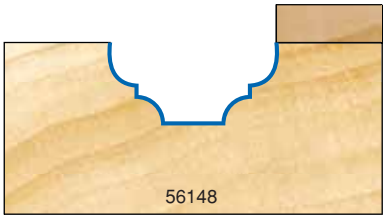
2 FLUTE

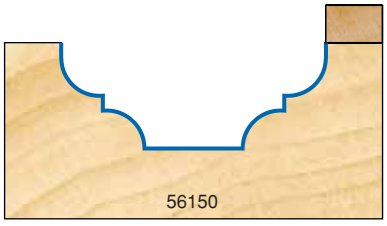
Rout decorative grooves on solid wood or MDF panels and surfaces with a handheld or CNC router. Form edges with a hand router equipped with an edge guide, or on a router table. Shank-mounted bearing allows cuts to be guided by a template mounted atop the workpiece.



ØD	ØD1	R	Tool No.	B	Ød	L
7/8	.319	9/64	**56148**	3/8	1/4	2
1-3/8	.522	13/64	**56150**	9/16	1/2	2-5/8

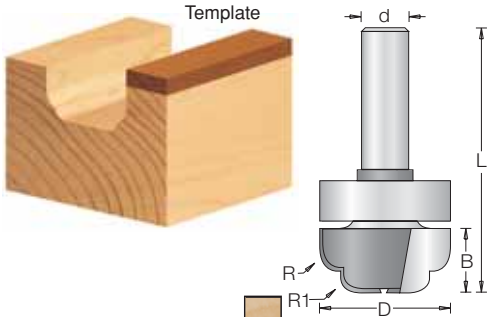
Replacement Parts: Order #	Ball Bearing	Lock Ring
56148	47708	47748
56150	47734	47750





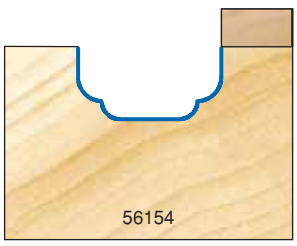
CLASSICAL GROOVE WITH BALL BEARING GUIDE

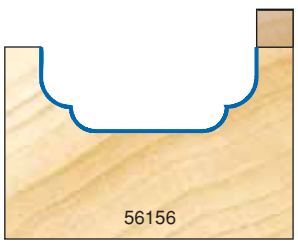
2 FLUTE



ØD	R	R1	Tool No.	B	Ød	L
3/4	1/8	3/32	**56154**	3/8	1/4	2-1/8
1-1/8	5/32	1/8	**56156**	7/16	1/2	2-3/8
1-3/8	3/16	5/32	**56158**	1/2	1/2	2-1/2

Replacement Parts: Order #	Ball Bearing	Lock Ring
56154	47721	47748
56156	47738	47750
56158	47734	47750



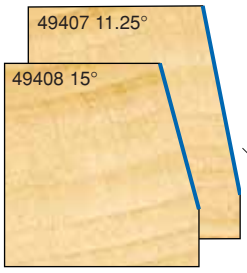


Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

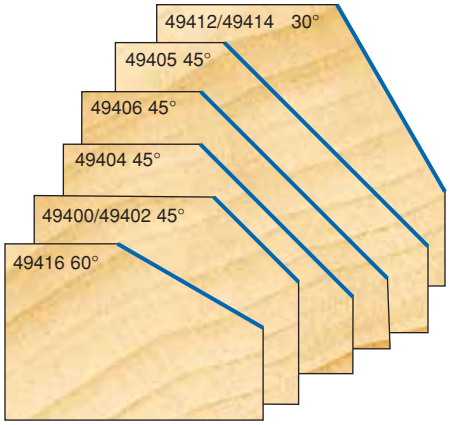
CHAMFER WITH BALL BEARING GUIDE

2 FLUTE

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.



a°	ØD	B	Tool No.	C	Ød	L
45°	1-1/4	1/2	**49400**	5/8	1/4	2
45°	1-1/4	1/2	**49402**	5/8	1/2	2-3/8
45°	2	3/4	* **49404** ♦	1-1/8	1/2	2-1/2
18 ⚠ 45°	2-3/8	1	† **49406** ♦	1-3/8	1/2	2-7/8
16 ⚠ 45°	3	1-1/8	**49405** ♦	1-1/2	1/2	3
11-1/4°	7/8	1	**49407**	1	1/2	2-7/8
15°	7/8	3/4	**49408**	25/32	1/4	2-1/4
22-1/2°	1-1/4	15/16	**49410**	7/8	1/2	2-7/8
30°	1-3/8	13/16	**49412**	7/8	1/4	2-1/4
30°	1-3/8	13/16	**49414**	7/8	1/2	2-3/4
16 ⚠ 60°	2-1/2	11/16	**49416** ♦	1-1/8	1/2	2-3/4

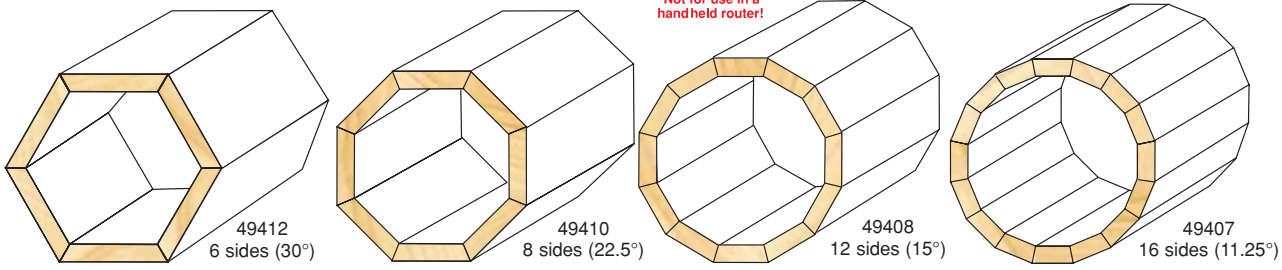


Replacement bearings: #'s 49400, 49402 & 49412 use #47704. #49405 use #47710. All other tools use #47706.

NOTES:* 49404 will completely chamfer 3/4" material.
† 49406 will completely chamfer 1" material.

⚠ **WARNING:** Maximum RPM 16 = 16,000 18 = 18,000

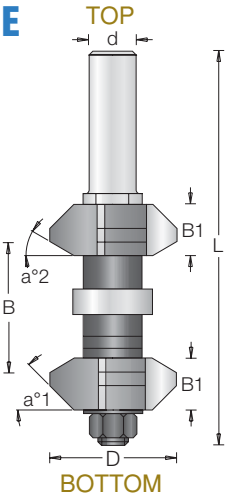
♦ Use in a table-mounted router. Not for use in a handheld router!



VARIABLE DOUBLE CHAMFER ASSEMBLY WITH BALL BEARING GUIDE

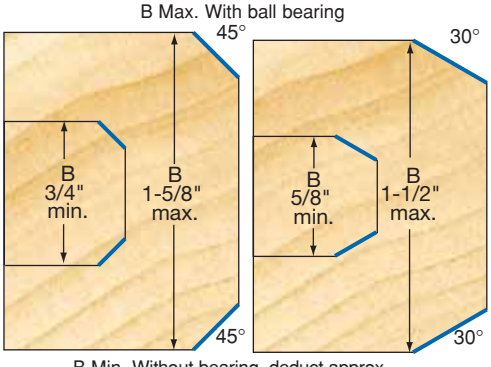
3-WING

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. Replacement parts are available separately. For best results use in a router table.



ØD	a°1	a°2	Tool No.	B1	Ød	L
1-3/8	30°	45°	**49730**	9/16	1/2	4-1/4

Replacement Parts: Order #	Description
49732	Top replacement cutter (R/H)
49734	Bottom replacement cutter (L/H)
47708	Ball Bearing Guide, 5/16 x .865
47618	1/2" shank arbor with nut
55368	6.0 mm spacer (2 required)
55404	.5mm shims (1 required)
55357	.1mm shims (4 required)
55402	1.0mm black washer (4 required)



B Min. Without bearing, deduct approx. 5/16" from min. dimension.

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

Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

DOUBLE ROUNDOVER ADJUSTABLE 'EASING' ASSEMBLY WITH BALL BEARING GUIDE

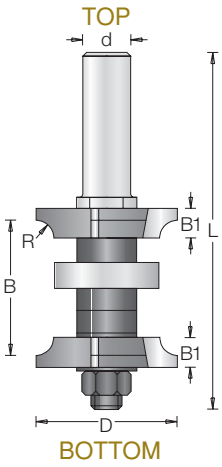
3-WING

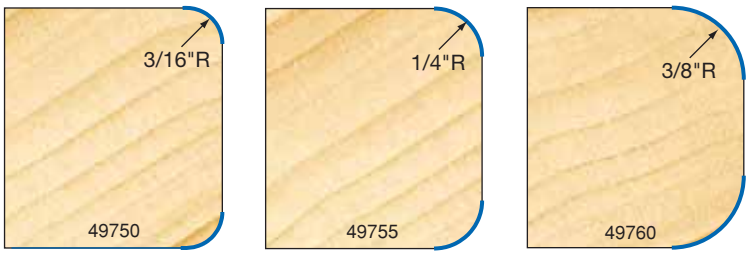
Roundover both the top and bottom edges in just one pass with this assembly. Interchangeable spacers alter cutter spacing to accommodate different stock thicknesses up to 1-1/4". The assembly includes the arbor, a pair of multi-angle cutters, pilot bearing, spacers, and shims. Replacement parts are available separately.

ØD	R	B	Tool No.	B1	Ød	L
1-1/2	3/16	*3/4 to 1-1/4	**49750**	19/64	1/2	3-5/8
1-19/32	1/4	*13/16 to 1-11/32	**49755**	3/8	1/2	3-5/8
1-55/64	3/8	*1 to 1-1/4	**49760**	33/64	1/2	3-5/8

*Minimum thickness with ball bearing. Without bearing, deduct approx. 5/16" from the smaller dimension.

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





VARIABLE DOUBLE CORNER ROUND ASSEMBLY WITH BALL BEARING GUIDE

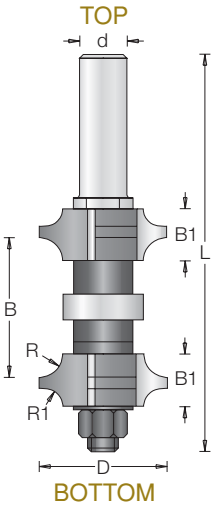
3-WING

This assembly, exclusive to Amana Tool®, has multiple-radii cutters that enable you to roundover both top and bottom edges in just one pass, using either of two radii. Switch the positions of the cutters to change the cut radius. Interchangeable spacers alter cutter spacing to accommodate different stock thicknesses from 3/8" up to 1-9/16". The assembly includes the arbor, a pair of multi-angle cutters, pilot bearing, spacers, and shims. Replacement parts are available separately.

ØD	R	R1	Tool No.	B1	Ød	L
1-3/8	1/4	3/16	**49770**	9/16	1/2	4-1/4

		B Stock Thickness Min.	Max.
R1=1/4"	With Ball Bearing	13/16"	1-9/16"
R2=3/16"	With Ball Bearing	11/16"	1-7/16"
R1=1/4"	Without Ball Bearing	1/2"	1-9/16"
R2=3/16"	Without Ball Bearing	3/8"	1-7/16"

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



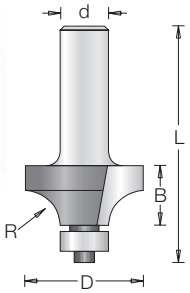
Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

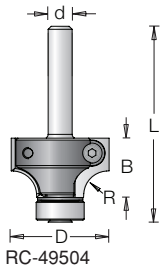
Amana Tool®

CORNER ROUNDING WITH BALL BEARING GUIDE

2 FLUTE

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. Also known as roundover, rounding over and quarter-round. If a smaller pilot bearing is used, a second shoulder can be produced, in effect making the bit a beading bit.

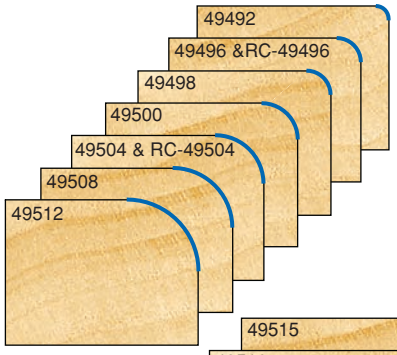


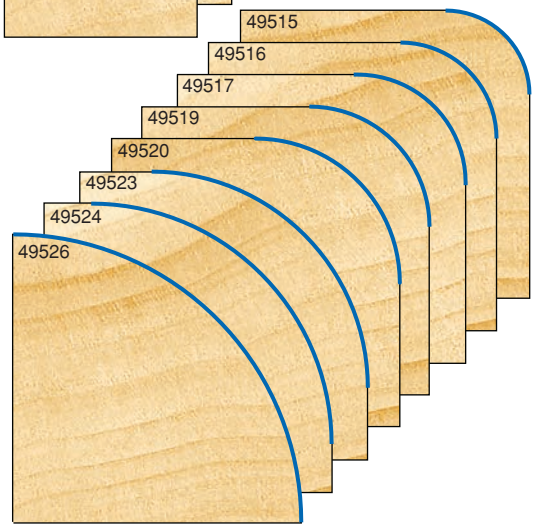


RC-49504

RCK-272

	ØD	R	Tool No.	B	Ød	L
	5/8	1/16	49492	5/16	1/4	1-3/4
	5/8	1/16	49494	5/16	1/2	2-1/4
	3/4	1/8	49496	3/8	1/4	2
New	1	1/8	RC-49496	3/8	1/4	2-3/16
	3/4	1/8	49498	3/8	1/2	2-5/16
	13/16	5/32	49499	3/8	1/4	2
	13/16	5/32	49501	3/8	1/2	2-1/4
	7/8	3/16	49500	1/2	1/4	2
	7/8	3/16	49502	1/2	1/2	2-7/16
	1	1/4	49504	1/2	1/4	2
New	1	1/4	RC-49504	1/2	1/4	2-1/16
	1	1/4	49506	1/2	1/2	2-7/16
	1-1/8	5/16	49508	1/2	1/4	2-1/16
	1-1/8	5/16	49510	1/2	1/2	2-7/16
	1-1/4	3/8	49512	5/8	1/4	2-3/16
	1-1/4	3/8	49514	5/8	1/2	2-9/16
	1-3/8	7/16	49515	5/8	1/2	2-9/16
	1-1/2	1/2	49516	3/4	1/4	2-1/4
	1-1/2	1/2	49518	3/4	1/2	2-5/8
	1-5/8	9/16	49517	3/4	1/2	2-5/8
14	1-3/4	5/8	49519	7/8	1/2	2-3/4
14	2	3/4	49520	1	1/2	2-7/8
14	2-1/4	7/8	49521	1-1/4	1/2	3-1/16
14	2-1/2	1	* 49522♦	1-1/4	1/2	3-3/16
10	2-3/4	1-1/8	* 49523♦	1-3/8	1/2	3-1/4
10	3	1-1/4	* 49524♦	1-1/2	1/2	3-1/4
10	3-1/4	1-3/8	* 49525♦	1-5/8	1/2	3-1/2
10	3-1/2	1-1/2	* 49526♦	1-3/4	1/2	3-5/8





*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. **Replacement bearing #47706.**

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

⚠ **WARNING:** Maximum RPM 10 = 10,000; 14 = 14,000

Replacement Knife #RCK-268 (2 Required)

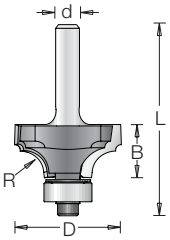
Replacement Knife #RCK-272 (2 Required)

NO-FILE ROUNDING OVER WITH FILLET WITH BALL BEARING GUIDE

New

2 FLUTE

Eliminate the time-consuming hand-filing that normally follows each laminate cutting job. Cutting a fillet, using a standard corner rounding bit, leaves a sharp edge on the laminate. This unique bit "breaks" the sharp edge of the laminate, as it cuts the fillet together with a quarter-round shape in one pass.



ØD	R	Tool No.	B	Ød	L
1-1/8	1/4	49503	17/32	1/4	2
1-5/16	3/8	49507	5/8	1/4	2-1/8

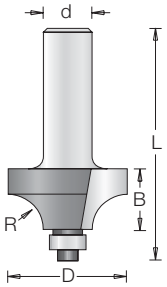
Replacement bearing #47706.

Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size. For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

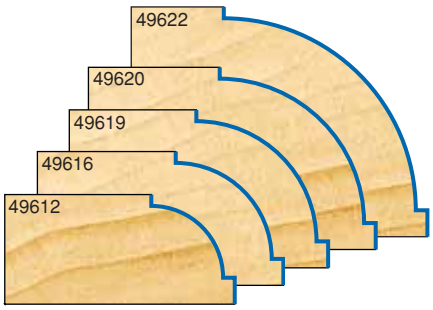
BEADING WITH BALL BEARING GUIDE

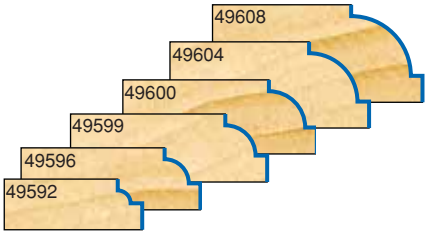
2 FLUTE

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 (& vice versa).



ØD	R	Tool No.	B	Ød	L
5/8	1/16	**49592**	5/16	1/4	1-3/4
5/8	1/16	**49594**	5/16	1/2	2-1/4
3/4	1/8	**49596**	3/8	1/4	2
3/4	1/8	**49598**	3/8	1/2	2-5/16
3/4	5/32	**49599**	3/8	1/4	2-1/4
3/4	5/32	**49601**	3/8	1/2	2-1/2
7/8	3/16	**49600**	1/2	1/4	2
7/8	3/16	**49602**	1/2	1/2	2-7/16
1	1/4	**49604**	1/2	1/4	2
1	1/4	**49606**	1/2	1/2	2-7/16
1-1/8	5/16	**49608**	1/2	1/4	2-1/16
1-1/8	5/16	**49610**	1/2	1/2	2-7/16
1-1/4	3/8	**49612**	5/8	1/4	2-3/16
1-1/4	3/8	**49614**	5/8	1/2	2-9/16
1-3/8	7/16	**49615**	5/8	1/2	2-9/16
1-1/2	1/2	**49616**	3/4	1/4	2-1/4
1-1/2	1/2	**49618**	3/4	1/2	2-5/8
1-5/8	9/16	**49617**	3/4	1/2	2-5/8
14 1-3/4	5/8	**49619**	7/8	1/2	2-3/4
14 2	3/4	**49620**	1	1/2	2-7/8
14 2-1/4	7/8	**49621**	1-1/4	1/2	3-1/16
14 2-1/2	1	* **49622**♦	1-1/4	1/2	3-3/16





*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.

Replacement bearing #47702.

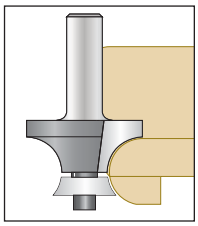
♦ Use in a table-mounted router. Not for use in a handheld router!

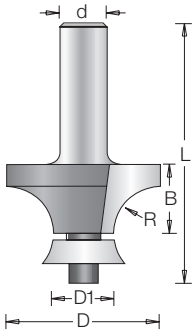
⚠ **WARNING:** Maximum RPM 14 = 14,000

CORNER ROUNDING WITH ULTRA-GLIDE™ RADIUS BEARING

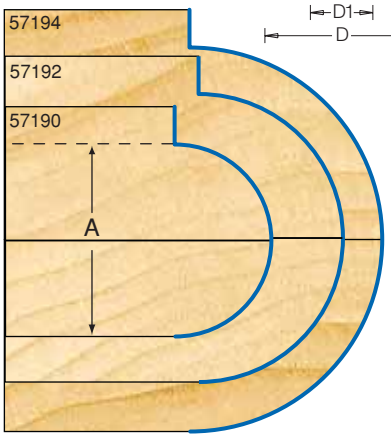
2 FLUTE

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.





ØD	A	R	Tool No.	ØD1	B	Ød	L
1-5/8	1	1/2	**57190**	58	3/4	1/2	2-3/4
2-1/8	1-1/2	3/4	**57192**	5/8	1	1/2	3
18 2-5/8	2	1	**57194**♦	5/8	1-1/4	1/2	3-3/16



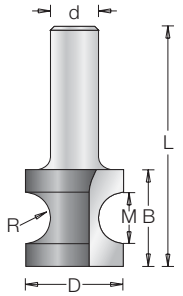
Standard steel 1/4" x 5/8" bearing - use #47712 (order separately).
Ultra-Glide™ replacement bearing #47767 for #57190.
Ultra-Glide™ replacement bearing #47768 for #57192.
Ultra-Glide™ replacement bearing #47769 for #57194.

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

⚠ **WARNING:** Maximum RPM 18 = 18,000

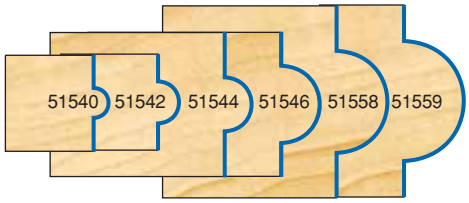
BULLNOSE

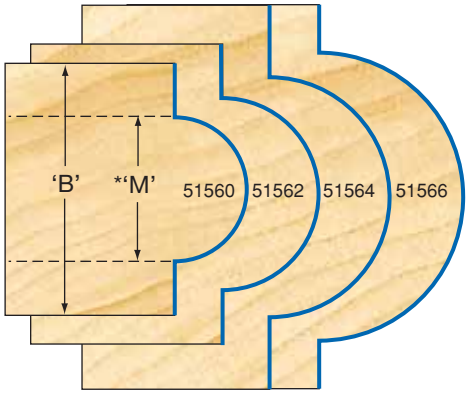
2 FLUTE & 3 FLUTE (51566 ONLY)



Shape the full edge of a workpiece 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 roundover. 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	Tool No.	ØD	Ød	L
5/32	5/64	1/2	**51540**	17/32	1/4	1-3/4
7/32	7/64	1/2	**51542**	19/32	1/4	1-3/4
19/64	9/64	3/4	**51544**	21/32	1/4	1-7/8
27/64	13/64	3/4	**51546**	7/8	1/4	2
5/32	5/64	1/2	**51550**	17/32	1/2	2
7/32	7/64	1/2	**51552**	19/32	1/2	2
9/32	9/64	3/4	**51554**	21/32	1/2	2-1/4
27/64	13/64	3/4	**51556**	7/8	1/2	2-1/4
35/64	17/64	1	**51558**	1-1/32	1/2	2-1/2
5/8	5/16	1	**51559**	1-1/8	1/2	2-1/2
20 3/4	3/8	1-5/16	**51560**	1-1/4	1/2	2-3/4
14 1	1/2	1-9/16	**51562**	1-11/16	1/2	3-1/16
10 1-1/4	5/8	2	**51564**♦	2	1/2	3-1/2
10 1-1/2	3/4	2	† **51566**♦	2-3/8	1/2	3-1/2
18 1-1/4	5/8	2	★ **51564-CNC**	2	1/2	3-1/2
18 1-1/2	3/4	2	★ **51566-CNC**	2-3/8	1/2	3-1/2





† 51566 3-flute (all others are 2 flute).

*'M' denotes thickness of material on which a full 180° roundover can be accomplished.

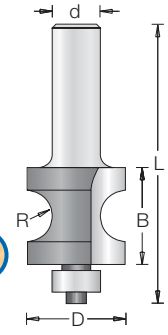
★**WARNING:** These tools have an open flute design (not anti-kickback) and are intended for high feed-rate CNC machine use only. Do not use in portable routers.

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

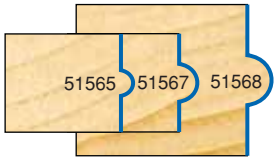
⚠! **WARNING:** Maximum RPM 10 = 10,000; 14 = 14,000; 18 = 18,000 20 = 20,000

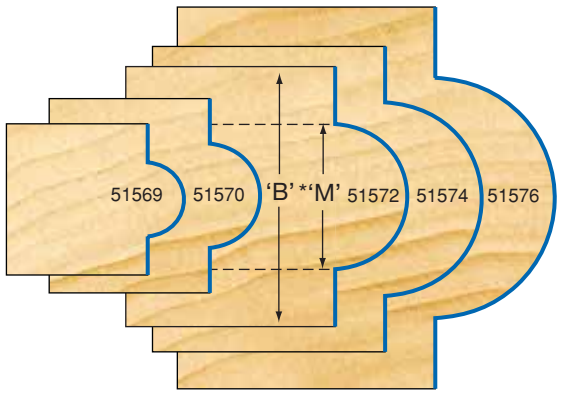
BULLNOSE WITH BALL BEARING GUIDE

2 FLUTE



*'M'	R	B	Tool No.	ØD	Ød	L
1/8	5/64	1/2	**51565**	17/32	1/4	2-1/8
3/16	7/64	1/2	**51567**	19/32	1/4	2-1/8
1/4	9/64	3/4	**51568**	21/32	1/4	2-3/8
3/8	13/64	3/4	**51569**	7/8	1/2	2-3/4
35/64	17/64	1	**51570**	1-1/16	1/2	2-7/8
20 3/4	3/8	1-5/16	**51572**	1-3/8	1/2	3-1/4
18 1	1/2	1-19/32	**51574**	1-13/16	1/2	3-1/2
14 1-1/4	5/8	2	**51576**♦	2	1/2	3-7/8





Very useful for template or pattern routing. Ball bearing is the same size as the small diameter of the tool and rides against the template for an exact duplication.

*'M' denotes thickness of material on which a full 180° roundover can be accomplished.

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

Replacement Bearings:

Tool #'s 51565, 51567, 51568, 51569, 51570 use #47706.

Tool #'s 51572 use #47716.

Tool #'s 51574 & 51576 use #47714.

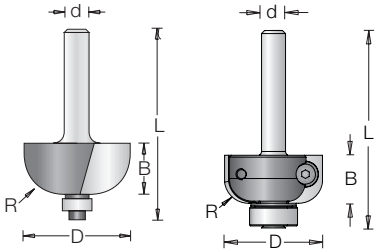
⚠! **WARNING:** Maximum RPM 14 =14,000 18 =18,000 20 =20,000

Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

COVE WITH BALL BEARING GUIDE

2 FLUTE

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 as well 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. Use in handheld or table-mounted routers. Large-diameter tools must be run at reduced speed. For best results with a large radius cutter, make a preliminary cut with a smaller radius bit or chamfer the workpiece to reduce the amount of stock to be removed in the finish pass. This will produce a smoother finish and prolong tool life.



RC-49104

RCK-274

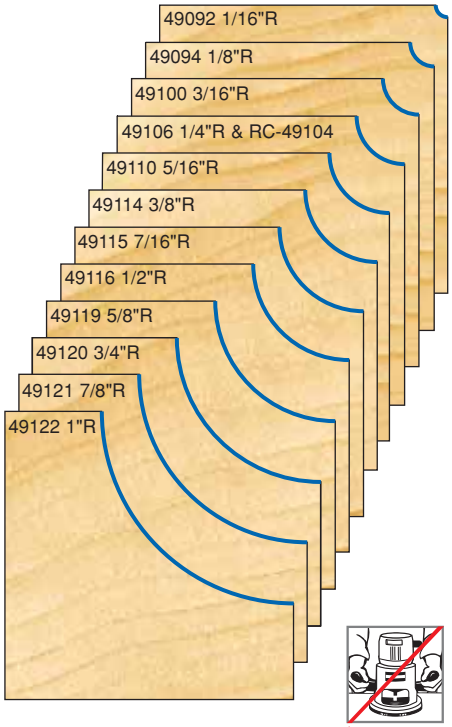
	ØD	R	Tool No.	B	Ød	L
	1/2	1/16	**49092**	1/2	1/4	2
	5/8	1/8	**49094**	1/2	1/4	2
	3/4	3/16	**49100**	9/16	1/4	2
	3/4	3/16	**49102**	9/16	1/2	2-3/8
	7/8	1/4	**49104**	9/16	1/4	2
New	1	1/4	RC-49104	1/2	1/4	2-1/16
	7/8	1/4	**49106**	9/16	1/2	2-3/8
	1	5/16	**49108**	9/16	1/4	2-1/8
	1	5/16	**49110**	9/16	1/2	2-3/8
	1-1/8	3/8	**49112**	9/16	1/4	2
	1-1/8	3/8	**49114**	9/16	1/2	2-3/8
	1-1/4	7/16	**49115**	5/8	1/2	2-1/2
	1-3/8	1/2	**49116**	3/4	1/4	2-1/4
	1-3/8	1/2	**49118**	3/4	1/2	2-1/2
18	1-5/8	5/8	**49119**	11/16	1/2	2-1/2
12	2	3/4	**49120**	1	1/2	2-7/8
12	2-1/4	7/8	† **49121** ♦	1-1/4	1/2	3-1/8
12	2-1/2	1	† **49122** ♦	1-1/4	1/2	3

† 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 #'s 49120, 49121 & 49122 use #47706.
All other tools use #47704 bearing.

Replacement Knife #RCK-274 (2 Required)

WARNING: Maximum RPM 12 = 12,000; 18 = 18,000

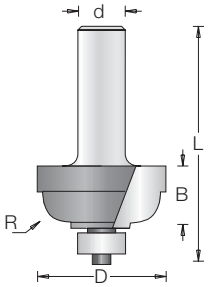


♦ Use in a table-mounted router. Not for use in a handheld router!

CLASSICAL COVE WITH BALL BEARING GUIDE

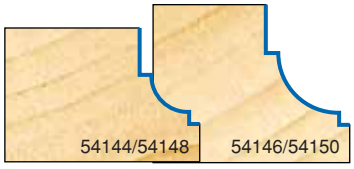
2 FLUTE

A cove flanked by step fillets, a classical project used in period moldings, is produced by this tool. Use in either handheld or table-mounted routers.



ØD	R	Tool No.	B	Ød	L
1-1/8	3/16	**54144**	1/2	1/4	2
1-3/8	5/16	**54146**	5/8	1/4	2-1/8
1-1/8	3/16	**54148**	1/2	1/2	2-3/8
1-3/8	5/16	**54150**	5/8	1/2	2-1/2

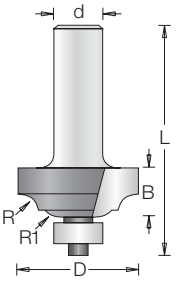
Replacement bearing #47706.



CLASSICAL BEAD & COVE W/BALL BEARING GUIDE

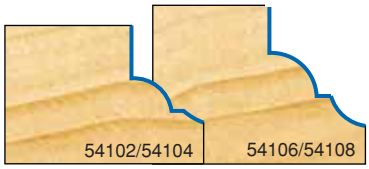
2 FLUTE

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 either handheld or table-mounted routers.



ØD	R	R1	Tool No.	B	Ød	L
1-1/4	13/64	5/16	**54102**	1/2	1/4	2
1-1/4	13/64	5/16	**54104**	1/2	1/2	2-3/8
1-1/2	7/32	15/64	**54106**	5/8	1/4	2-1/8
1-1/2	7/32	15/64	**54108**	5/8	1/2	2-1/2

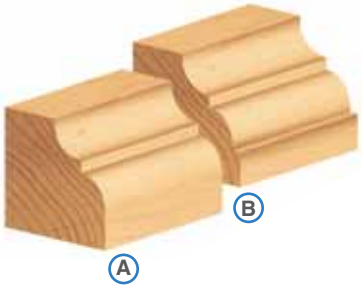
Replacement bearing #47706.



CLASSICAL COVE & BEAD W/BALL BEARING GUIDE

2 FLUTE

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. Use in either handheld or table-mounted routers. Largest diameter bits should be run at reduced speed.

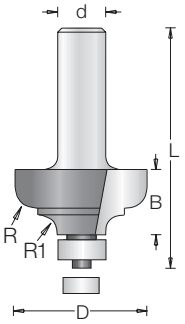


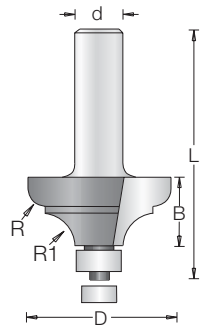
ØD	R	R1	Tool No.	B	Ød	L
1-1/8	5/32	5/32	**54128**	1/2	1/4	2
1-3/8	1/4	3/16	**54130**	11/16	1/4	2-3/16
1-1/8	5/32	5/32	**54132**	1/2	1/2	2-3/8
1-3/8	1/4	3/16	**54134**	11/16	1/2	2-9/16
1-1/2	3/16	5/16	**54292**	5/8	1/2	2-1/2
18	2	11/32	11/32	**54100**	1-1/4	1/2	3-1/8
18	2	3/8	3/8	**54135**	1	1/2	2-3/4

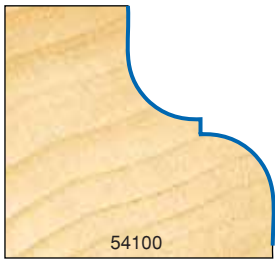
WARNING: Maximum RPM 18 = 18,000

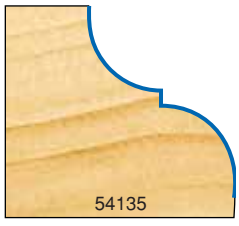
(A) Standard 1/2" bearing #47706 (Included).

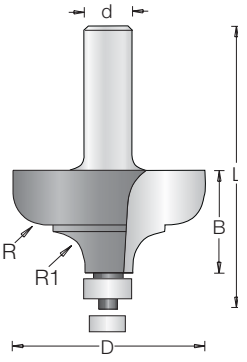
(B) Optional 3/8" bearing #47702 (Order separately).











Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

NOVA™

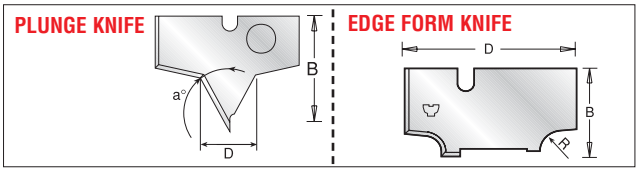
Patent #129720

Router Bits with Replaceable Carbide Knives

HIGH-TECH TOOLS FOR WOODWORKING

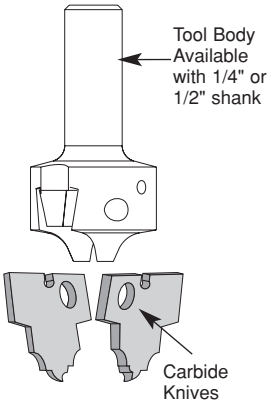
Multi-Profile Router Cutter System

The new patented Nova System™ gives you a wide range of profiling options in a single router bit with replaceable carbide tips. The innovation is in the bit. The easily replaceable hard carbide blades gives a whole range of profile options in a single bit, as well as other vital advantages. Durability, versatility, safety, service-free and cost effectiveness.



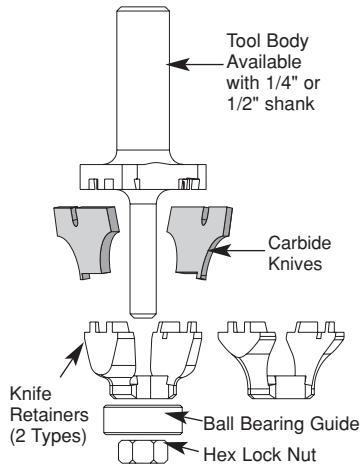
BODY TYPE B
For Plunge Routing

6 Profiles Available



BODY TYPE A
For Edge Form Routing

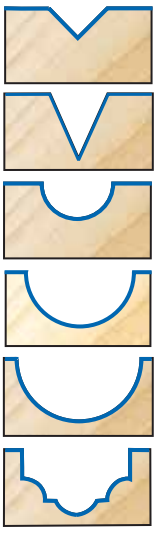
23 Profiles Available



BODY TYPE 'B' FOR PLUNGE ROUTING

	Tool No.	L
Body 'B' 1/4" Shank	NS-100	2-5/8"
Body 'B' 1/2" Shank	† NS-102	2-5/8"

AVAILABLE KNIFE FOR PLUNGE BODY



'V' GROOVE KNIVES, PAIR

a°	ØD	B	Tool No.
45°	3/8"	1/4"	† NRC-B51

'V' GROOVE KNIVES, PAIR

a°	ØD	B	Tool No.
30°	1/2"	3/8"	† NRC-B52

CORE BOX KNIVES, PAIR

R	ØD	B	Tool No.
1/4"	1/2"	3/8"	†NRC-B53

CORE BOX KNIVES, PAIR

R	ØD	B	Tool No.
3/8"	3/4"	3/8"	New NRC-B56

CORE BOX KNIVES, PAIR

R	ØD	B	Tool No.
1/2"	1"	1/2"	NRC-B54

CLASSICAL KNIVES, PAIR

R	ØD	B	Tool No.
5/32"	3/4"	7/16"	NRC-B55

Ordering Instructions: Choose the plunge type body 'B' #NS-100 (1/4" shank) or #NS-102 (1/2" shank) and then select the desired profile knives listed above.

† These items also available in set form.

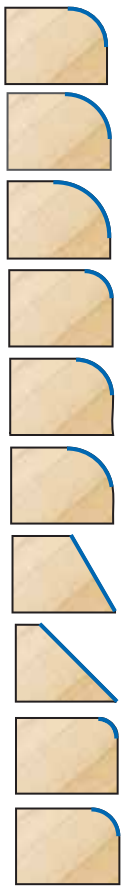
Replacement knife retaining screws #67084 (2 required).

Replacement hex key #5007.

BODY TYPE 'A' FOR EDGE FORM ROUTING

	Tool No.	L
Body 'A' 1/4" Shank	† NS-104	3"
Body 'A' 1/2" Shank	† NS-106	3"

AVAILABLE KNIVES FOR EDGE FORM BODY



CORNER ROUND KNIVES, PAIR

R	ØD	B	Tool No.
1/4"	1-3/8"	11/16"	† NRC-A05

CORNER KNIVES, PAIR

R	ØD	B	Tool No.
5/16"	1-3/8"	11/16"	NRC-A06

CORNER ROUND KNIVES, PAIR

R	ØD	B	Tool No.
3/8"	1-1/2"	11/16"	† NRC-A07

BEADING KNIVES, PAIR

R	ØD	B	Tool No.
3/16"	1-3/8"	11/16"	NRC-A08

BEADING KNIVES, PAIR

R	ØD	B	Tool No.
1/4"	1-3/8"	11/16"	NRC-A09

BEADING KNIVES, PAIR

R	ØD	B	Tool No.
5/16"	1-1/2"	11/16"	† NRC-A10

CHAMFER KNIVES, PAIR

a°	ØD	B	Tool No.
30°	1-3/8"	11/16"	† NRC-A01

CHAMFER KNIVES, PAIR

a°	ØD	B	Tool No.
45°	1-1/2"	11/16"	† NRC-A02

CORNER ROUND KNIVES, PAIR

R	ØD	B	Tool No.
1/8"	1-3/8"	11/16"	NRC-A03

CORNER ROUND KNIVES, PAIR

R	ØD	B	Tool No.
3/16"	1-3/8"	11/16"	NRC-A04

Ordering Instructions: Choose the plunge type body 'A' #NS-104 (1/4" shank) or #NS-106 (1/2" shank) and then select the desired profile knives listed above.

† These items also available in set form.

Replacement knife retaining screws #67084 (2 required).

Replacement hex key #5007.

Safer • Longer Life • Consistent Precision
Ultimately Cost Effective

NOVA™

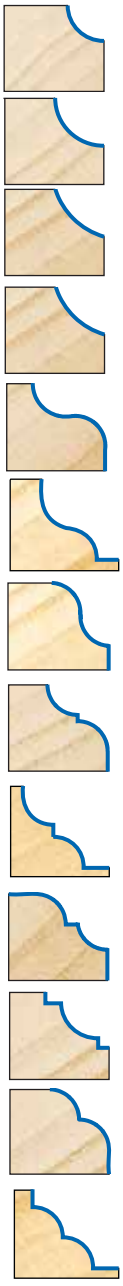
Patent #129720

Router Bits with Replaceable Carbide Knives *Continued*

BODY TYPE 'A' FOR EDGE FORM ROUTING

	Tool No.	L
Body 'A' 1/4" Shank	† NS-104	3"
Body 'A' 1/2" Shank	† NS-106	3"

AVAILABLE KNIVES FOR EDGE FORM BODY



COVE KNIVES, PAIR

R	ØD	B	Tool No.
1/4"	1-3/8"	11/16"	NRC-A11

COVE KNIVES, PAIR

R	ØD	B	Tool No.
5/16"	1-3/8"	11/16"	NRC-A12

COVE KNIVES, PAIR

R	ØD	B	Tool No.
3/8"	1-1/2"	11/16"	NRC-A13

SPECIAL COVE KNIVES, PAIR

R	ØD	B	Tool No.
3/16"	1-3/8"	11/16"	NRC-A14

OGEE KNIVES, PAIR

R1	R	ØD	B	Tool No.
11/64"	5/32"	1-3/8"	11/16"	NRC-A15

OGEE KNIVES, PAIR

R1	R	ØD	B	Tool No.
11/64"	5/32"	1-1/2"	11/16"	NRC-A16

ROMAN OGEE KNIVES, PAIR

R	ØD	B	Tool No.
5/32"	1-3/8"	11/16"	NRC-A17

COVE & BEAD KNIVES, PAIR

R	ØD	B	Tool No.
5/32"	1-3/8"	11/16"	NRC-A18

COVE & BEAD KNIVES, PAIR

R	ØD	B	Tool No.
5/32"	1-1/2"	11/16"	NRC-A19

DOUBLE ROMAN OGEE KNIVES, PAIR

R	ØD	B	Tool No.
5/32"	1-1/2"	11/16"	NRC-A20

CLASSICAL COVE KNIVES, PAIR

R	ØD	B	Tool No.
3/16"	1-3/8"	11/16"	NRC-A21

CLASSICAL MOLDING KNIVES, PAIR

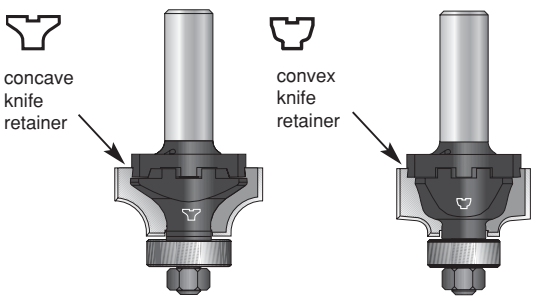
R	ØD	B	Tool No.
5/32"	1-3/8"	11/16"	NRC-A22

CLASSICAL MOLDING KNIVES, PAIR

R	ØD	B	Tool No.
5/32"	1-1/2"	11/16"	NRC-A23

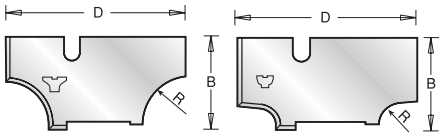
Ordering Instructions: Choose the plunge type body 'A'
† These items also available in set form.
Replacement knife retaining screws #67084 (2 required).
Replacement hex key #5007.

BODY TYPE 'A' FOR EDGE FORM ROUTING



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

Knives are marked to indicate which retainer is needed.

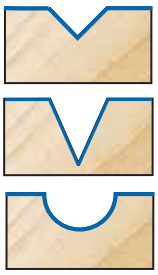


NOVA™ **COMPLETE SETS**

BODY TYPE 'B' FOR PLUNGE ROUTING

		Tool No.	L
Nova Plunge set with 3 Knives	1/4" Shank	NS-150	2-5/8"
Nova Plunge set with 3 Knives	1/2" Shank	NS-152	2-5/8"

INCLUDED KNIVES FOR PLUNGE BODY SETS



'V' GROOVE KNIVES, PAIR

a°	ØD	B	Tool No.
45°	3/8"	1/4"	NRC-B51

'V' GROOVE KNIVES, PAIR

a°	ØD	B	Tool No.
30°	1/2"	3/8"	NRC-B52

CORE BOX KNIVES, PAIR

R	ØD	B	Tool No.
1/4"	1/2"	3/8"	NRC-B53

BODY TYPE 'A' FOR EDGE FORM ROUTING

		Tool No.	L
Nova Edge Form set with 3 Knives	1/4" Shank	NS-160	3"
Nova Edge Form set with 3 Knives	1/2" Shank	NS-162	3"

INCLUDED KNIVES FOR EDGE FORM BODY SETS

CHAMFER KNIVES, PAIR

a°	ØD	B	Tool No.
45°	1-1/2"	11/16"	NRC-A02

CORNER ROUND KNIVES, PAIR

R	ØD	B	Tool No.
1/4"	1-3/8"	11/16"	NRC-A05

CORNER ROUND KNIVES, PAIR

R	ØD	B	Tool No.
3/8"	1-1/2"	11/16"	NRC-A07

Illustrations not shown actual size. To print 1:1 wood samples visit www.amanatool.com.

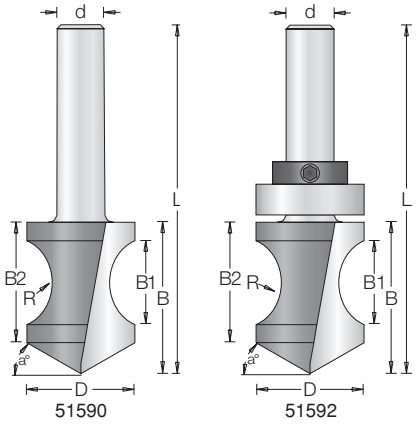
HAND GRIP PLUNGE WITH OR WITHOUT BALL BEARING GUIDE

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. Available with a shank-mounted ball bearing for cuts guided by a template. Use in a CNC or other automatic router. Bearing equipped bit can be used in a handheld or table-mounted router. Plunge cuts on router table are not recommended.

ØD	a°	R	B	Tool No.	B1	B2	Ød	L
1-1/8	45°	1/2	1-9/16	**51590**	7/8	1-1/4	1/2	3-5/8
1-1/8	45°	1/2	1-9/16	***51592**	7/8	1-1/4	1/2	3-5/8

***Replacement bearing #47738 and collar #47740.**



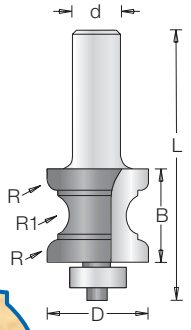
BULLNOSE/COVE EDGE WITH BALL BEARING GUIDE

2 FLUTE

Cut a thumbnail in a single pass, flanked top and bottom by a fillet and a cove, a combination often called an astragal. Three sizes scaled for stock 3/4" through 1-1/2" thick. Should be used in a table-mounted router. The tool is equipped with a ball-bearing guide for template work.

ØD	R	R1	Tool No.	B	Ød	L
1-1/8	1/8	1/4	**51530**	1	1/2	2-7/8
1-1/4	5/32	5/16	**51532**	1-3/16	1/2	3
1-3/8	3/16	1/2	**51534**	1-9/16	1/2	3-3/8

Replacement bearing #47716.



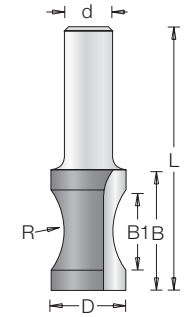
CONVEX EDGING

2 FLUTE

Cuts a shallow arc—the fingernail shape—rather than a full 180-degree roundover. 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	Tool No.	B1	Ød	L
13/16	23/32	1-1/4	**51580**	27/32	1/4	2-1/2
13/16	23/32	1-1/4	**51582**	27/32	1/2	2-3/4
New 7/8	5/16	53/64	***51584**	1/2	1/2	2-21/64

Cuts a shallow radius ('thumbnail' shape) on board edges.
*Make your own model log cabin.

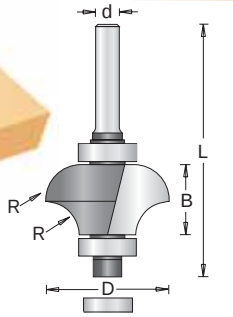


Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

MATCHING CORNER ROUND/COVE WITH DOUBLE BALL BEARINGS - DESIGN PATENT #434,783

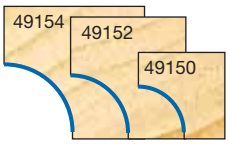
2 FLUTE

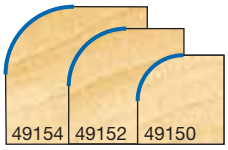
Cut rule joints with a single bit carrying perfectly matched profiles. Switch from the cove to the quarter-round profile simply by changing the extension of the bit. Use in handheld or table-mounted routers.



ØD	R	Tool No.	B	Ød	L
1-1/8	1/4	**49150**	17/32	1/4	2-1/2
1-1/4	5/16	**49152**	21/32	1/4	2-11/16
1-3/8	3/8	**49154**	25/32	1/4	2-13/16

Replacement bearings #47712 (2 required).
Replacement snap ring to retain upper bearing #47748.

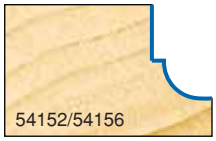


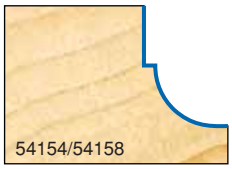


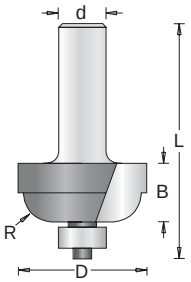
SPECIAL COVE WITH BALL BEARING GUIDE

2 FLUTE

A classical profile—a smooth cove with a small fillet a the top—is useful in making period moldings. Use in handheld or table-mounted routers.





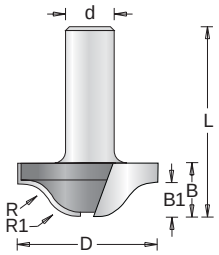


ØD	R	Tool No.	B	Ød	L
1-1/8	3/16	**54152**	1/2	1/4	2
1-3/8	5/16	**54154**	5/8	1/4	2-1/8
1-1/8	3/16	**54156**	1/2	1/2	2-3/8
1-3/8	5/16	**54158**	5/8	1/2	2-1/2

Replacement bearing #47706.

BASE MOULDING OGEE EDGE DETAIL

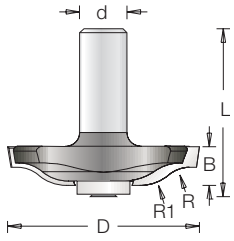
2 FLUTE



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

BASE MOULDING OGEE EDGE DETAIL WITH BALL BEARING

2 FLUTE



ØD	R	R1	Tool No.	B	Ød	L
1-53/64	19/64	13/32	**54299**	3/8	1/2	1-19/32

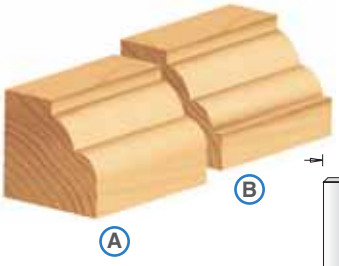
Replacement bearing #47706

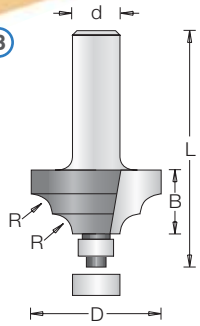
Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit *www.amanatool.com*

CLASSICAL MOLDING WITH BALL BEARING GUIDE

2 FLUTE

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 either handheld or table-mounted routers.



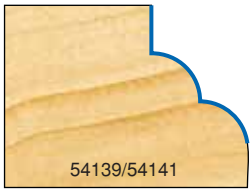


ØD	R	Tool No.	B	Ød	L
1-1/8	5/32	**54136**	1/2	1/4	2
1-3/8	7/32	**54138**	11/16	1/4	2-3/16
1-1/2	1/4	**54139**	3/4	1/4	2-3/8
1-1/8	5/32	**54140**	1/2	1/2	2-3/8
1-3/8	7/32	**54142**	11/16	1/2	2-9/16
1-1/2	1/4	**54141**	3/4	1/2	2-3/4
1-3/4	3/8	**54143**	7/8	1/2	2-7/8

(A) Standard 1/2" bearing #47706 (Included).
(B) Optional 3/8" bearing #47702 (Order separately).

54136/54140

54138/54142

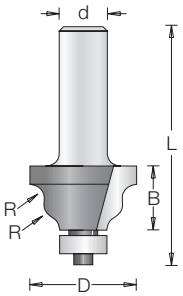

54139/54141

54143

WAVY EDGE WITH BALL BEARING GUIDE

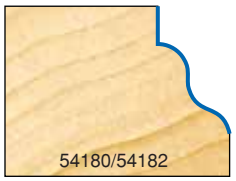
2 FLUTE

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	Tool No.	B	Ød	L
1-1/4	5/32	**54180**	11/16	1/4	2-1/4
1-1/4	5/32	**54182**	11/16	1/2	2-5/8

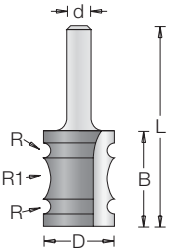
Replacement bearing #47706.


54180/54182

REED EDGE

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	Tool No.	B	Ød	L
3/4	5/64	15/64	**54360**	1	1/4	2-1/8

Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

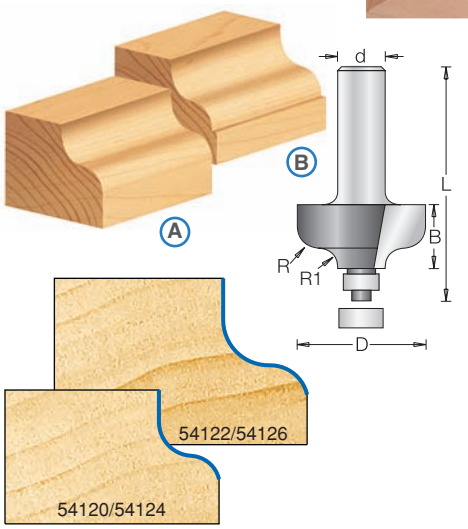
OGEE WITH BALL BEARING GUIDE

2 FLUTE

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	Tool No.	B	Ød	L
1-1/8	5/32	5/32	**54120**	1/2	1/4	2
1-3/8	1/4	3/16	**54122**	11/16	1/4	2-3/16
1-1/8	5/32	5/32	**54124**	1/2	1/2	2-3/8
1-3/8	1/4	3/16	**54126**	11/16	1/2	2-9/16

(A) Standard 1/2" bearing #47706 (Included).
(B) Optional 3/8" bearing #47702 (Order separately).



OGEE FILLET WITH BALL BEARING GUIDE

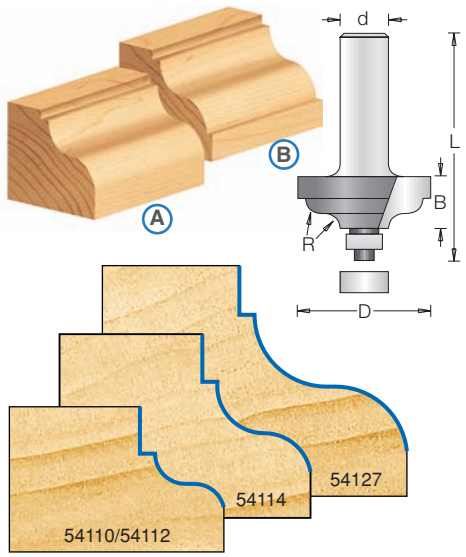
2 FLUTE

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	Tool No.	B	Ød	L
1-3/8	5/32	**54110**	1/2	1/4	2-1/16
1-3/8	5/32	**54112**	1/2	1/2	2-1/2
1-5/8	1/4	**54114**	3/4	1/2	2-5/8
18 2-1/4	3/8	**54127**	15/16	1/2	2-7/8

(A) Standard 1/2" bearing #47706. (Included).
(B) Optional 3/8" bearing #47702. (Order separately).

⚠ **WARNING:** Maximum RPM 18 = 18,000



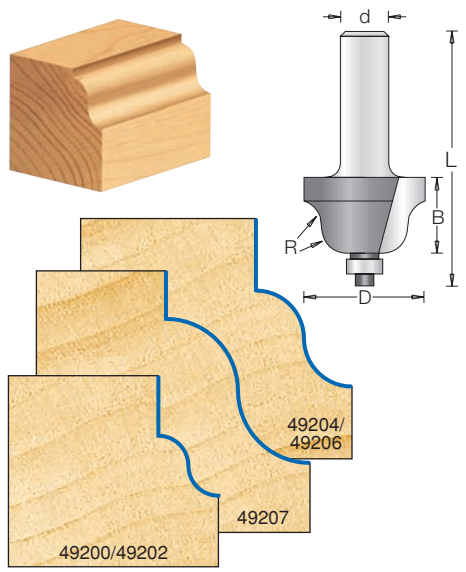
ROMAN OGEE WITH BALL BEARING GUIDE

2 FLUTE

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	Tool No.	B	Ød	L
1	5/32	**49200**	5/8	1/4	2-1/8
1	5/32	**49202**	5/8	1/2	2-1/2
1-3/8	1/4	**49204**	13/16	1/4	2-1/4
1-3/8	1/4	**49206**	13/16	1/2	2-5/8
2	3/8	**49207**	1	1/2	3

Replacement bearing for #49207 use #47706.
All others use #47704 bearing.



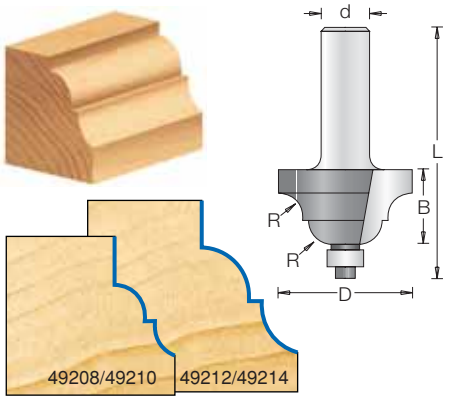
COVE & BEAD WITH BALL BEARING GUIDE

2 FLUTE

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	Tool No.	B	Ød	L
1	5/32	**49208**	5/8	1/4	2-1/8
1	5/32	**49210**	5/8	1/2	2-1/2
1-3/8	1/4	**49212**	7/8	1/4	2-1/4
1-3/8	1/4	**49214**	7/8	1/2	2-5/8

Replacement bearing #47704.



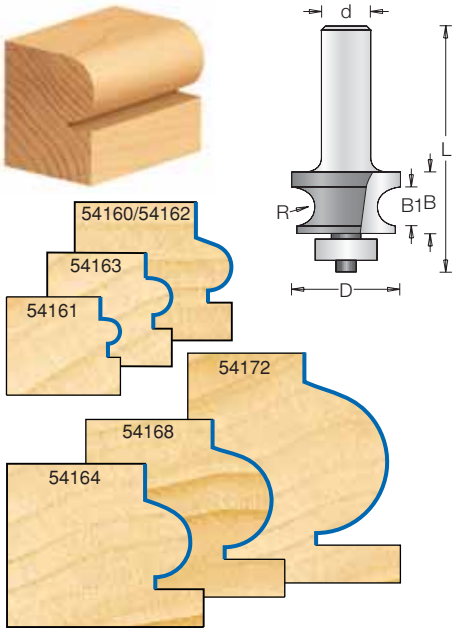
CORNER BEADING WITH BALL BEARING GUIDE

2 FLUTE

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 workpiece 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	R	B	Tool No.	B1	Ød	L
45/64	1/16	5/16	**54161**	1/8	1/4	1-11/16
49/64	3/32	25/64	**54163**	3/16	1/4	1-3/4
7/8	1/8	9/16	**54160**	1/4	1/4	2-1/8
7/8	1/8	9/16	**54162**	1/4	1/2	2-1/2
1-1/8	3/16	11/16	**54164**	3/8	1/4	2-1/4
1-1/8	3/16	11/16	**54166**	3/8	1/2	2-5/8
1-1/4	1/4	3/4	**54168**	9/16	1/4	2-1/4
1-1/4	1/4	3/4	**54170**	9/16	1/2	2-5/8
1-1/2	3/8	1	**54172**	3/4	1/2	2-7/8

Replacement bearing for #54160 - #54163 use #47706.
All other tools use #47716.



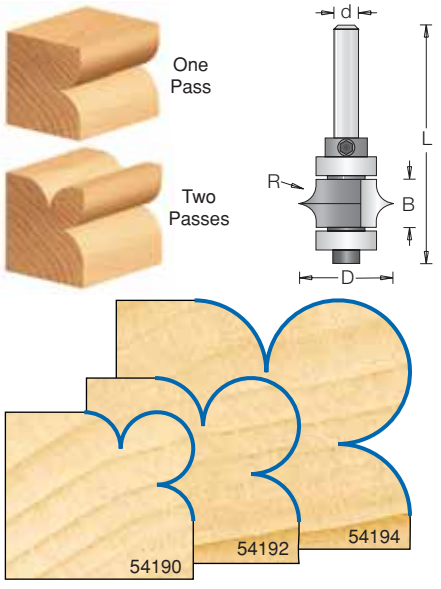
'LEAF-EDGE' BEADING WITH BALL BEARING GUIDE

2 FLUTE

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	Tool No.	B	Ød	L
1	3/16	**54190**	1/2	1/4	2-1/2
1-1/8	1/4	**54192**	5/8	1/4	2-5/8
1-3/8	3/8	**54194**	7/8	1/4	2-7/8

Replacement bearings #47712 (2 required).
Replacement collar #47724.



Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

FLUTE & BEAD SET

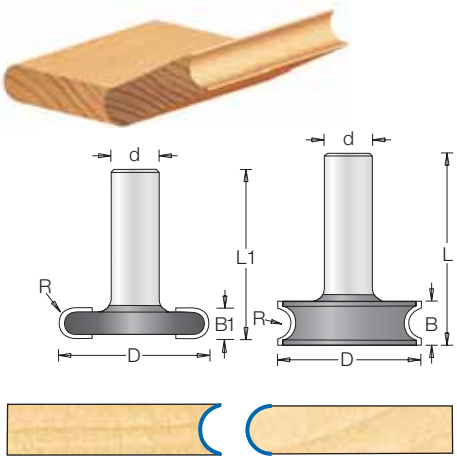
2 FLUTE

Cut joints for staved assemblies, such as circular planters, canoes 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	R	B	Tool No.	B1	Ød	L	L1
1-1/2	1/8	1/2	**54176**	1/4	1/2	2	1-3/4

Set of 2 bits. Not sold separately.

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

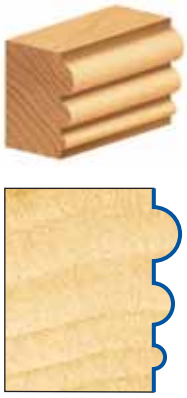


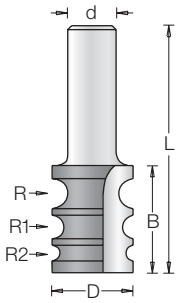
VARIABLE BEADING

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	Tool No.	B	Ød	L
7/8	9/64	7/64	1/16	**54216**	1-1/16	1/2	2-5/8





MATCHED BEAD WITH BALL BEARING GUIDE

2 FLUTE

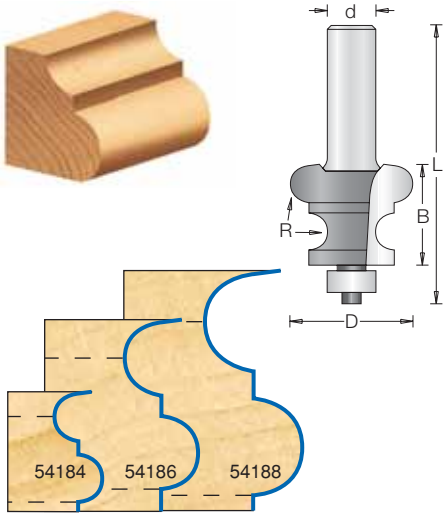
This dual purpose bit produces both moldings and joints. Use in place of matched flute-and-bead bit sets to mill the edges of strips used in various stave constructions like planters, canoes and hot tubs. Switch from fluting to beading by raising or lowering the bit. Pilot bearing allows use for template-guided cuts. Recommended for router table use; smaller sizes can be used with an edge-guide equipped portable router.

	ØD	R	B	Tool No.	Ød	L
	1	1/8	5/8	**54184**	1/2	2-1/2
	1-1/4	3/16	1	**54186** ♦	1/2	2-7/8
18	2	1/4	1-1/4	**54188** ♦	1/2	3

Replacement bearing for #54184 and #54186 use #47706.
Replacement bearing for #54188 use #47716.

WARNING: Maximum RPM 18 = 18,000

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



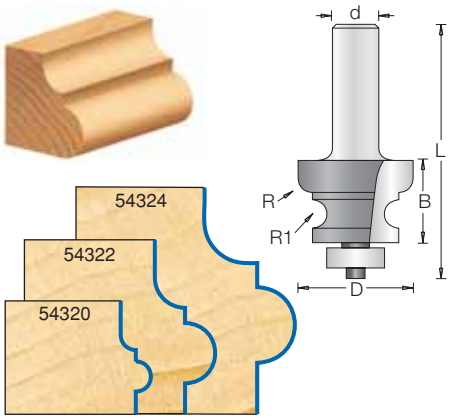
EDGE MOLDING WITH BALL BEARING GUIDE

2 FLUTE

The torus-and-cove profile produced by this bit make an excellent edge detail or molding. Use in a handheld or table-mounted router. The pilot bearing allows you to make template-guided cuts with the bit.

ØD	R	R1	Tool No.	B	Ød	L
13/16	5/64	5/64	**54320**	9/16	1/2	2-1/2
1-1/4	5/32	5/32	**54322**	7/8	1/2	2-3/4
1-9/16	7/32	15/64	**54324**	1-3/16	1/2	3

Replacement bearing for #54320 and #54322 use #47706.
Replacement bearing for #54324 use #47712.



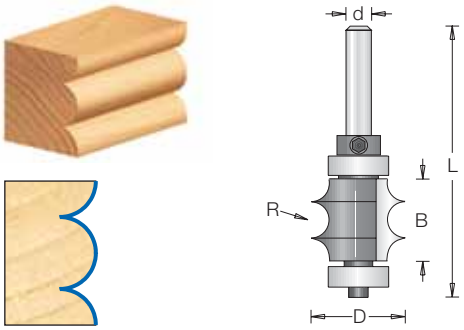
MULTI-EDGE BEADING WITH DOUBLE BALL BEARINGS

2 FLUTE

Produce beading detail on edges or moldings. Use in a handheld or table-mounted router.

ØD	R	B	Tool No.	Ød	L
1	3/16	7/8	**54296**	1/4	2-7/8

Replacement bearings #47712 (2 required).
Replacement collar #47724.

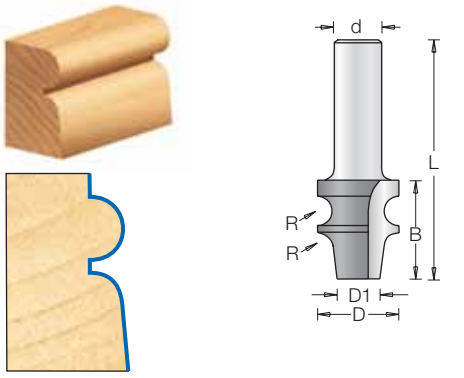


EDGE BEADING

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. Suitable for either handheld or table-mounted routers.

ØD	ØD1	R	Tool No.	B	Ød	L
7/8	1/2	5/32	**54206**	1-1/32	1/4	2-5/16
7/8	1/2	5/32	**54208**	1-1/32	1/2	2-3/4



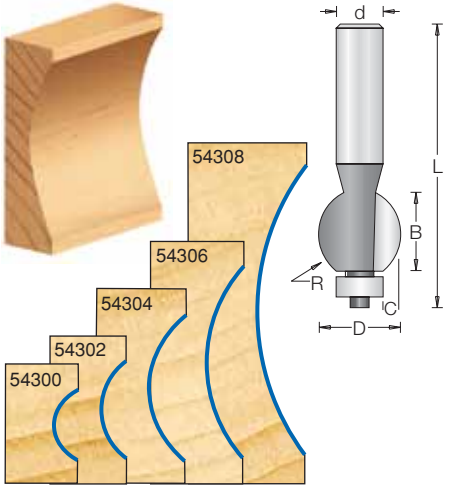
EDGE FLUTING WITH BALL BEARING GUIDE

2 FLUTE

This bit produces a fingernail flute, rather than a full 180° radius flute. Creates an interesting edge detail, and it can be used to make small-scale cornice-type moldings. Use in a handheld or a table-mounted router.

ØD	R	B	Tool No.	C	Ød	L
3/4	3/16	3/8	**54300**	1/8	1/2	2-5/8
3/4	5/16	1/2	**54302**	1/8	1/2	2-3/4
7/8	15/32	3/4	**54304**	3/16	1/2	3
7/8	3/4	1	**54306**	3/16	1/2	3-1/4
1	1-1/4	1-1/2	**54308**	1/4	1/2	3-3/4

Replacement bearing #47706.



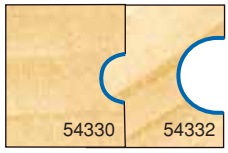
Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

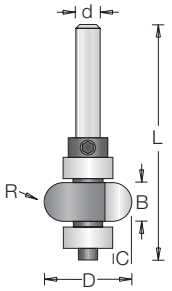
Amana Tool®

EDGE-FLUTING ASSEMBLY WITH DOUBLE BALL BEARINGS

2 FLUTE

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.





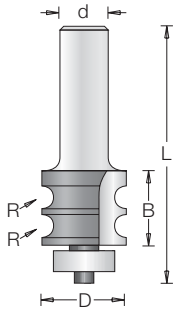
ØD	R	B	Tool No.	C	Ød	L
3/4	1/8	1/4	**54330**	1/8	1/4	2-1/4
7/8	13/64	3/8	**54332**	1/4	1/4	2-3/8

Replacement bearings #47701 (upper) and #47706 (lower).
Replacement collar #47724.

DOUBLE BEADING WITH BALL BEARING GUIDE

2 FLUTE

Produce pairs of beads on the edges of shelving or narrow molding strips. Use in a handheld or table-mounted router.

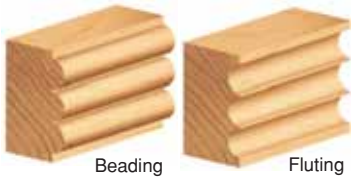


ØD	R	B	Tool No.	Ød	L
7/8	1/8	3/4	**54294**	1/2	2-5/8

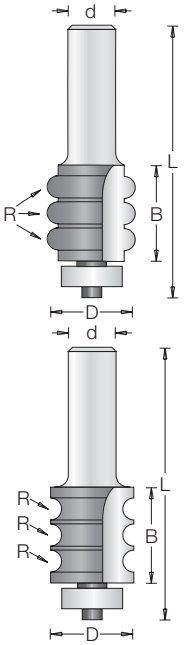
Replacement bearing #47716.

TRIPLE BEADING/TRIPLE FLUTING WITH BALL BEARING GUIDE

2 FLUTE



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 workpiece. Can be used in a handheld or table-mounted router.



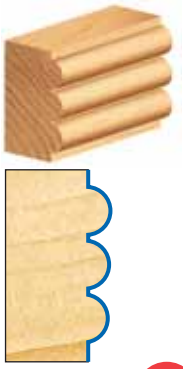
ØD	TYPE	R	Tool No.	B	Ød	L
7/8	Bead	1/8	**54211**	1	1/4	2-5/8
7/8	Bead	1/8	**54213**	1	1/2	3
7/8	Flute	1/8	**54215**	1	1/4	2-5/8
7/8	Flute	1/8	**54217**	1	1/2	3

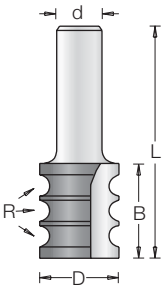
Replacement bearing #47716.

TRIPLE BEADING

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. Can be used in a handheld or table-mounted router.





ØD	TYPE	R	Tool No.	B	Ød	L
7/8	Bead	1/8	**54210**	1	1/4	2-1/4
7/8	Bead	1/8	**54212**	1	1/2	2-3/4

Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

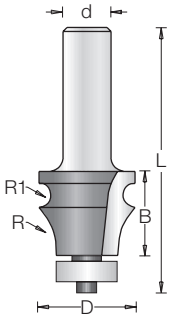
DRAWING LINE WITH BALL BEARING GUIDE

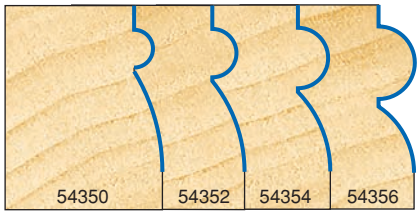
2 FLUTE

An edge bead without a quirk is produced by this bit. Several different profile proportions are available. The depth-of-cut setting determines whether or not you get a fillet above the bead. Use in a handheld or table-mounted router.

ØD	R	R1	Tool No.	B	Ød	L
1	1	3/32	**54350**	7/8	1/2	2-3/4
1	3/4	1/8	**54352**	7/8	1/2	2-3/4
1	19/32	5/32	**54354**	7/8	1/2	2-3/4
1	13/32	3/16	**54356**	7/8	1/2	2-3/4

Replacement bearing #47716.





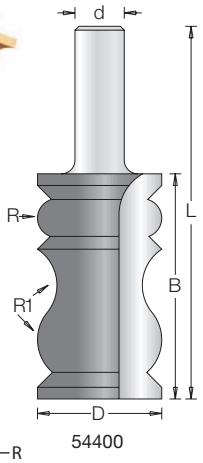
CROWN MOLDING

2 FLUTE

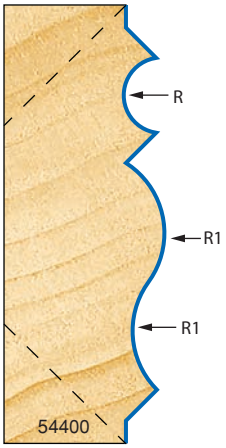
Produce mid-sized crown, cove and bead molding profiles for architectural and furniture applications. The bits cut the profile and bevel, as necessary, which is the show face of the workpiece. Bevel the top and bottom edges on the table saw to complete the molding. Use a 2+ horsepower router, mounted 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.

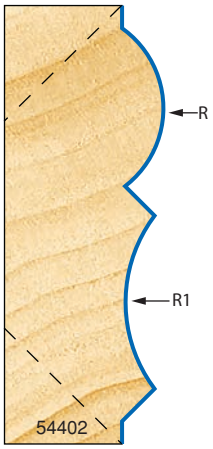
ØD	R	R1	Tool No.	B	Ød	L
16 1-1/4	3/16	7/16	**54400**	2-1/4	1/2	3-3/4
16 1-1/4	1/2	3/4	**54402**	2-1/4	1/2	3-3/4
16 1-1/4	17/32	17/32	**54404**	2-1/4	1/2	3-3/4
16 1-1/4	1-3/16	—	**54406**	2-1/4	1/2	3-3/4
16 1-1/4	5/32	15/64	**54408**	2-1/4	1/2	3-3/4

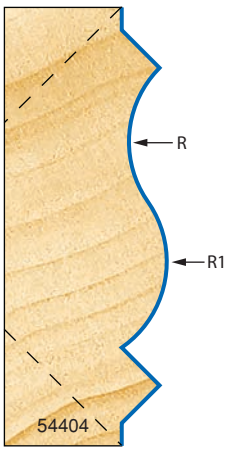
⚠ **WARNING:** Maximum RPM 16 = 16,000.

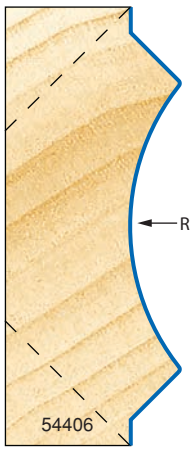


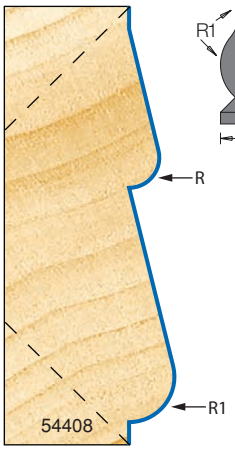
54400











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

Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

New

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

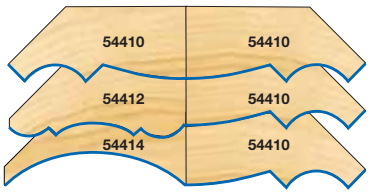
REVERSIBLE CROWN MOLDING EXTENDER

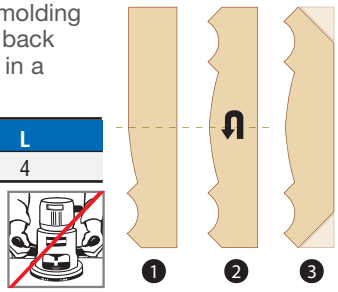
2 FLUTE

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

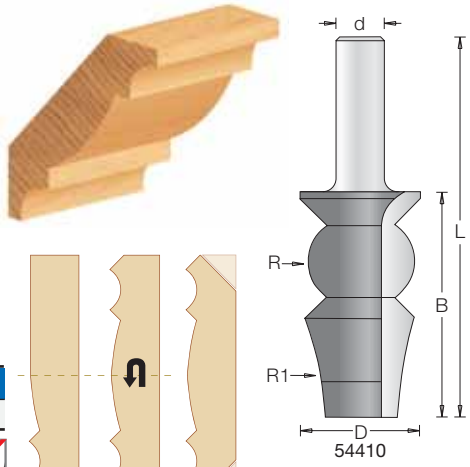
Now you can make extra-large architectural crown moldings with your table-mounted router. Our new extender bit enables you to make unique crown moldings in any wood you want. You're no longer limited to the small selection of crown moldings at the lumber dealer. This specially designed bit works in conjunction 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. For use in a table-mounted router only.

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





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



REVERSIBLE CROWN MOLDING

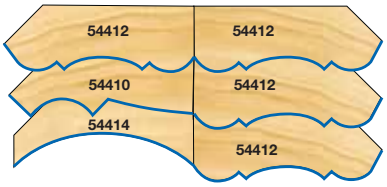
New

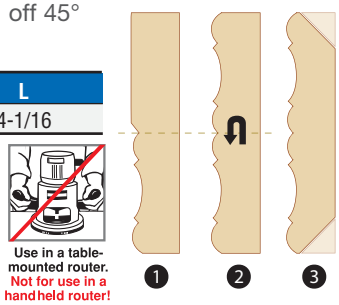
2 FLUTE

Give your ceilings that finished look!

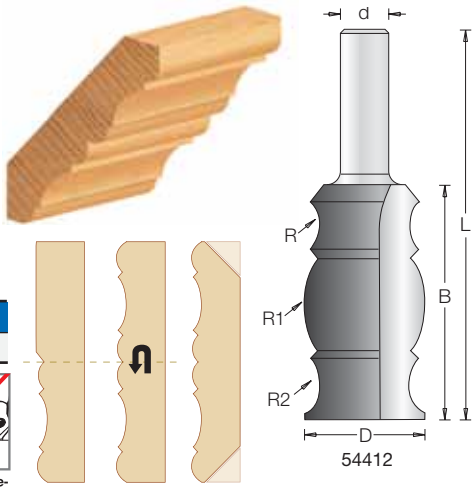
With this bit you can easily make classic crown moldings with your table-mounted router. The beautiful profile is a large cove flanked by roundovers. Use your fence to control the cutting depth and a featherboard to keep the stock firmly positioned against the fence. Bevel back edges, cutting off 45° excess with one of our chamfer bits.

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





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



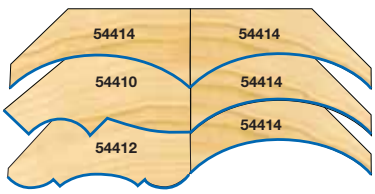
HORIZONTAL CROWN MOLDING

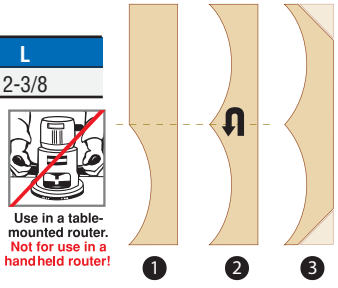
New

2 FLUTE

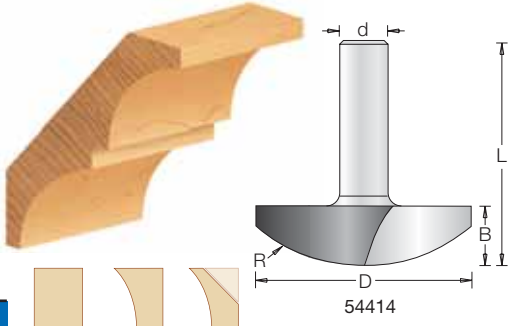
Now you can make large cove moldings for furniture and trim with your table-mounted router. This unique bit cuts a large, smooth arc; just what is needed to create a cove shaped crown molding for your next piece of furniture casework. Bevel back edges, cutting off 45° excess, with one of our chamfer bits. For even greater versatility, combine this bit with our crown molding profiles on pages 60-61.

ØD	R	Tool No.	B	Ød	L
2-1/4	1-3/4	**54414**	5/8	1/2	2-3/8





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



Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

ARCHITECTURAL MOLDING WITH BALL BEARING GUIDE

2 FLUTE

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.

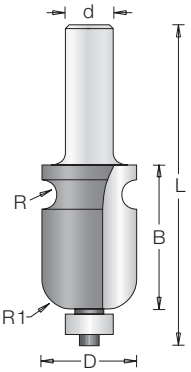
Use in a table-mounted router. Not for use in a handheld router!

Type	ØD	R	R1	R2	Tool No.	R3	B	Ød	L
#1	7/8	5/32	5/16	—	**54202**	—	1-1/2	1/2	3-3/8
#2	7/8	5/32	—	5/16	**54204**	—	1-3/8	1/2	3-3/8
#3	1	9/64	3/16	25/32	**54218**	15/64	1-5/8	1/2	3-1/4
12 ! #4	1	1/8	7/8	3/8	**54220**	—	1-11/16	1/2	3-1/4
14 ! #5	1-1/2	5/32	—	—	**54250**	—	2	1/2	3-1/2
14 ! #6	1-1/2	—	—	—	**54252**	—	2	1/2	3-1/2
#7	1	9/64	3/32	3/4	**54219**	9/32	1-3/4	1/2	3-5/8

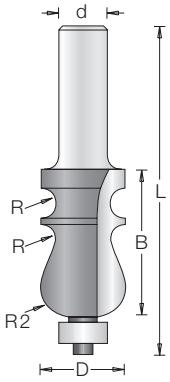
NOTE: Tool #'s 54250 and 54252 do not have bearings.
Replacement bearing for all others use #47706.

⚠ ! **WARNING:** Maximum RPM 12 = 12,000 (54220); 14 = 14,000. (54250 & 54252).

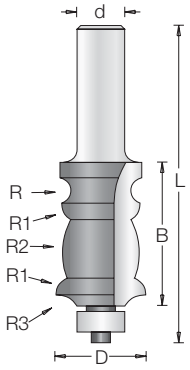
TYPE #1



TYPE #2

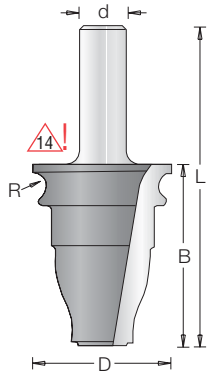


TYPE #3

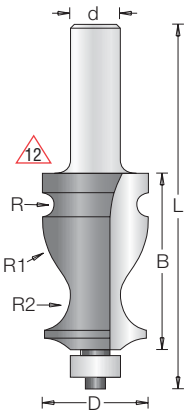


TYPE #5

(No ball bearing)
Duplicates #DC-98 molding pattern

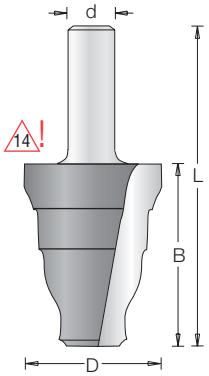


TYPE #4

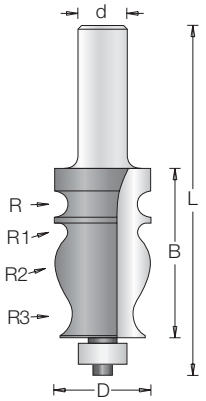


TYPE #6

(No ball bearing)



TYPE #7

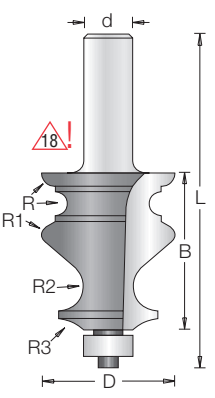


Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

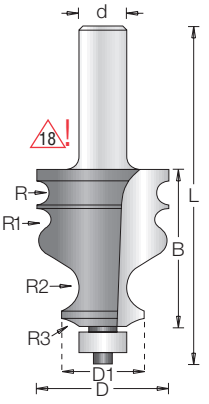
ARCHITECTURAL MOLDING W/BALL BEARING GUIDE

2 FLUTE

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



TYPE #8

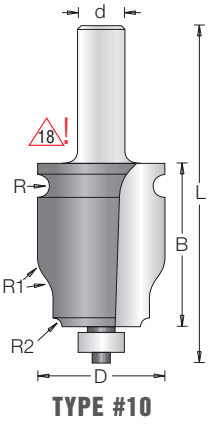


TYPE #9

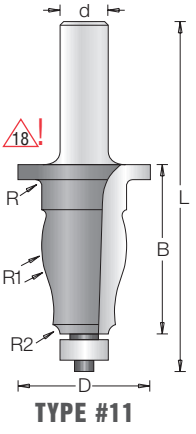
Type	ØD	ØD1	R	R1	Tool No.	R2	R3	B	Ød	L
#8	1-3/8	—	1/8	3/32	**54222**	1/4	7/16	1-5/8	1/2	3-1/2
#9	1-3/8	7/8	1/8	1/16	**54224**	1/4	7/16	1-5/8	1/2	3-1/2
#10	1-3/8	—	1/8	3/8	**54226**	3/32	—	1-3/4	1/2	3-5/8
#11	1-3/8	—	1/16	1	**54228**	1/8	—	1-3/4	1/2	3-5/8
New #17	3	2-1/2	1/8	3/16	**54244**	1/2	—	2-1/2	1/2	4-1/4

Replacement bearing #47706.

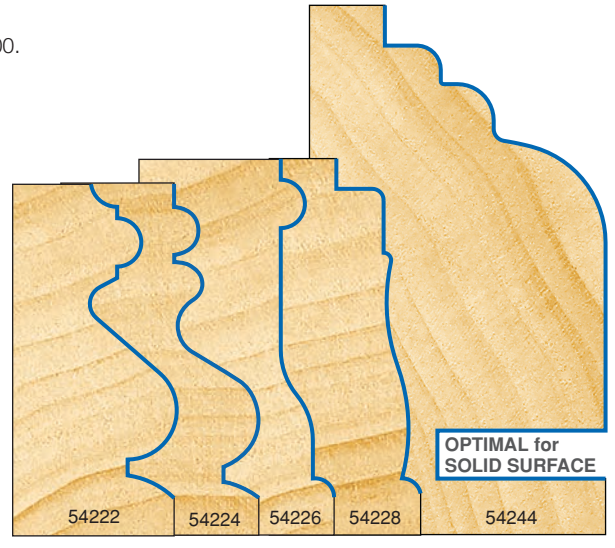
⚠ **WARNING:** Maximum RPM 18 = 18,000.

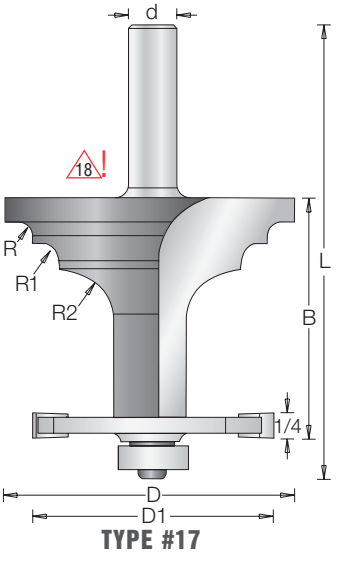


TYPE #10



TYPE #11





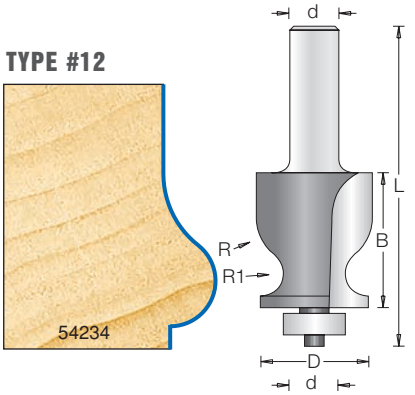
TYPE #17

ARCHITECTURAL MOLDING W/BALL BEARING GUIDE

2 FLUTE

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

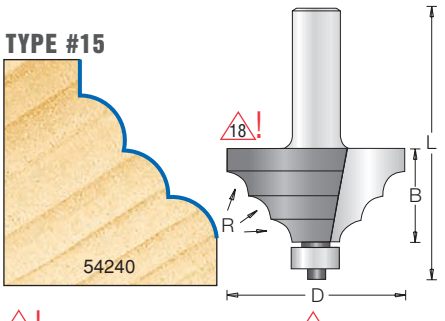
TYPE #12



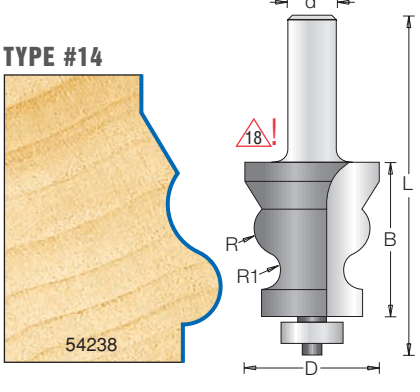
Type	ØD	R	R1	Tool No.	B	Ød	L
#12	1-3/16	1/2	1/4	**54234**	1-3/8	1/2	3-1/4
18 #13	1-3/4	1/8	—	**54236**	1-1/2	1/2	3-1/2
18 #14	1-3/8	9/32	3/16	**54238**	1-1/2	1/2	3-1/2
18 #15	1-7/8	15/64	—	**54240**	1-5/16	1/2	2-7/8

Replacement bearing for #'s 54234, 54236, 54238 use #47716.
Replacement bearing for #54240 use #47706.
Replacement bearing for #54242 use #47713.

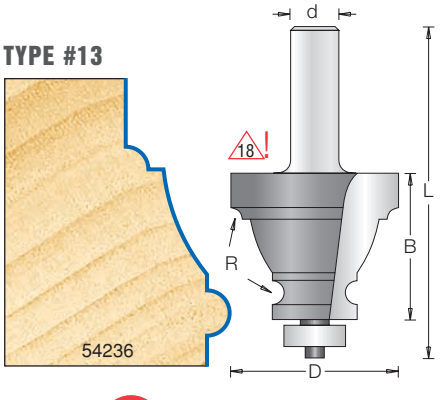
TYPE #15



TYPE #14



TYPE #13



⚠ **WARNING:** Maximum RPM 18 = 18,000.

Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.

SPECIAL INTEREST MOLDING WITH BALL BEARING GUIDE

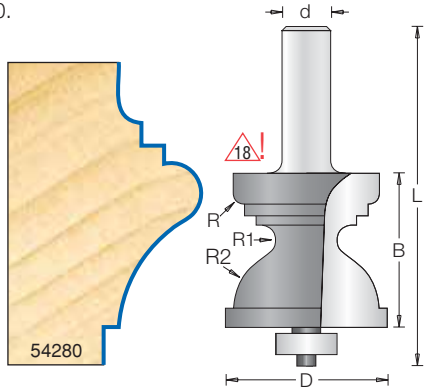
2 FLUTE

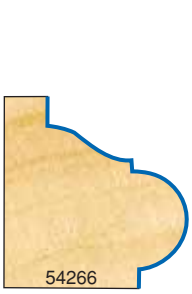
Designed for routing architectural and furniture moldings and trim, these bits should be used in a 2+ horsepower, table-mounted router, and many should be run at reduced speed. Although most have ball-bearing guides, guiding the cuts with a fence is recommended.

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

	ØD	R	R1	R2	Tool No.	B	Ød	L	Replacement Bearing
18	1-1/2	1/8	5/32	15/64	**54230**	1-3/16	1/2	3	47712
18	1-9/16	5/32	1/2	—	**54232**	1-1/8	1/2	3	47712
18	1-5/8	1/8	3/8	1/4	**54260**	1-1/8	1/2	3	47706
18	2	5/16	1/4	—	**54266**	1	1/2	2-7/8	47706
18	1-21/32	1/8	5/32	23/32	**54280**	1-9/16	1/2	3-1/2	47716

WARNING: Maximum RPM 18 = 18,000.



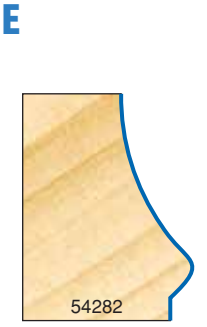


SPECIAL INTEREST MOLDING W/BALL BEARING GUIDE

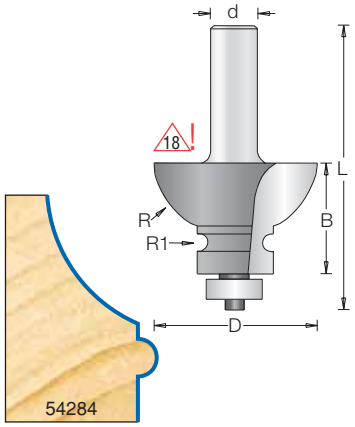
2 FLUTE

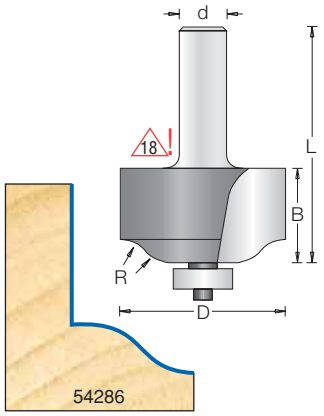
	ØD	R	R1	Tool No.	B	Ød	L	Replacement Bearing
18	1-1/2	1-3/16	5/64	**54282**	1-3/16	1/2	2-5/8	47714
18	1-3/4	25/32	3/32	**54284**	1-3/16	1/2	3	47712
18	1-3/4	23/64	—	**54286**	1	1/2	3	47712
18	1-3/4	3/8	3/32	**54288**	1	1/2	3	47706
	1	9/64	5/8	**54290**	1	1/2	3	47706

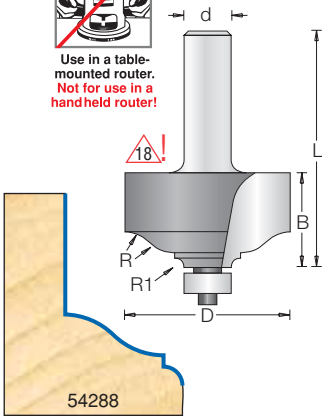
WARNING: Maximum RPM 18 = 18,000.

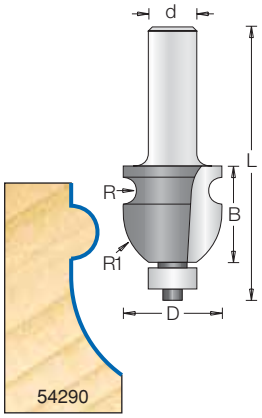


Use in a table-mounted router. Not for use in a handheld router!









Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

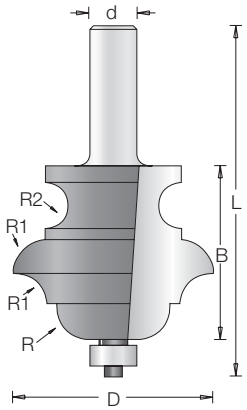
Amana Tool®

MULTI-FORM WITH BALL BEARING GUIDE

2 FLUTE

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.

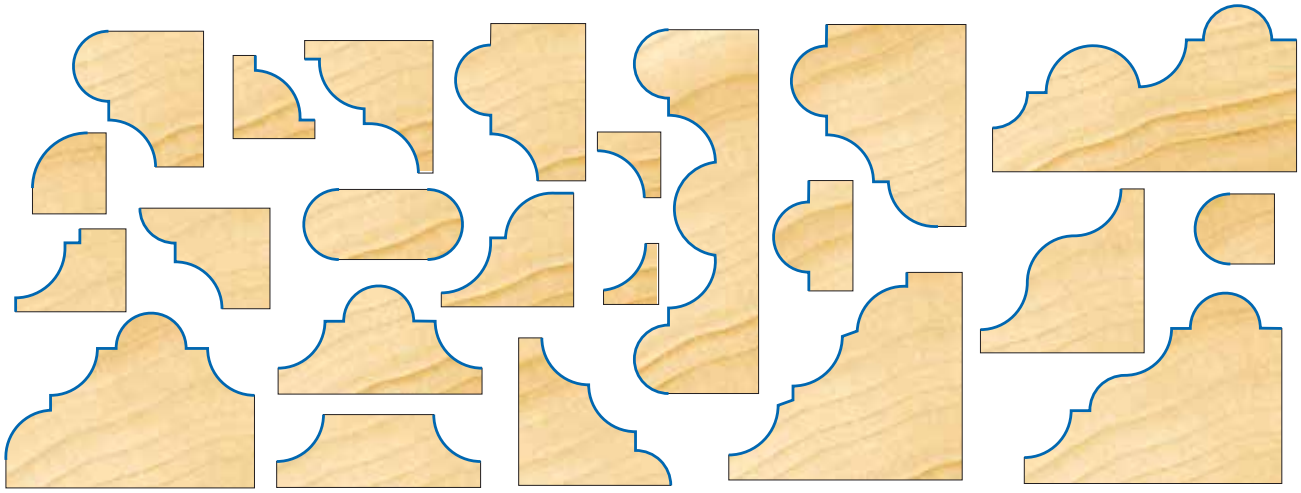
Use the bit only in a table-mounted router. Available with 1/2" shank only. Tool #54198 is a miniature version of the multi-form bit.



ØD	R	R1	R2	Tool No.	B	Ød	L	Replacement Bearing
1-1/4	3/16	9/64	1/8	**54198**	1	1/2	2-3/4	47702
12 2-1/4	23/64	21/64	1/4	**54200**	1-7/8	1/2	4	47706

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

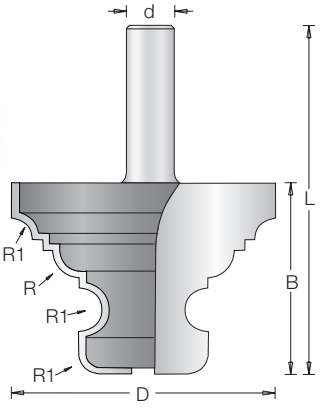
WARNING: Maximum RPM 12 = 12,000.



(Wood profiles not shown at actual size.)

MULTI-PROFILE

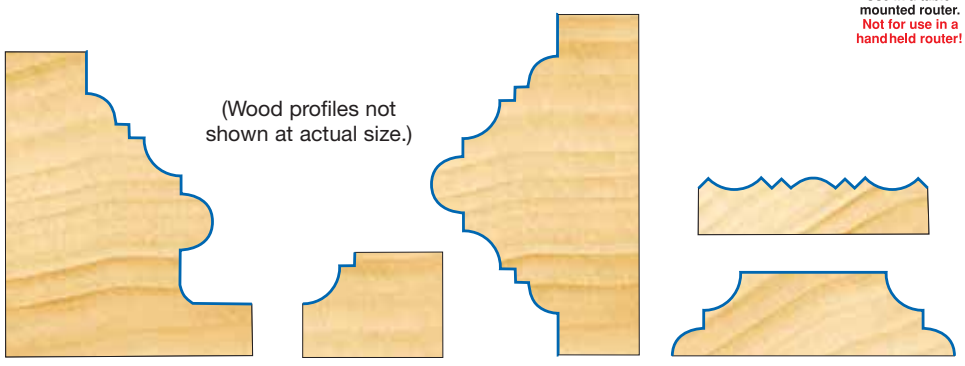
A companion to the classical multi-form, this bit expands the range. Simple adjustments to the bit height and the fence position enable you to cut a variety of profiles and details. Use only in a table-mounted router.



ØD	R	R1	Tool No.	B	Ød	L
12 2-1/2	1/4	3/16	**54201**	1-7/8	1/2	3-5/8

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

WARNING: Maximum RPM 12 = 12,000.

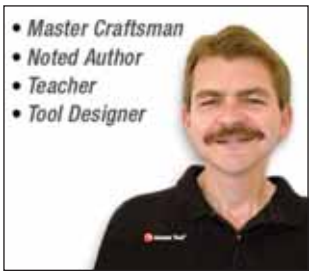


(Wood profiles not shown at actual size.)

Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

FURNITURE PROFILE ROUTER BITS DESIGNED BY *Lonnie Bird*

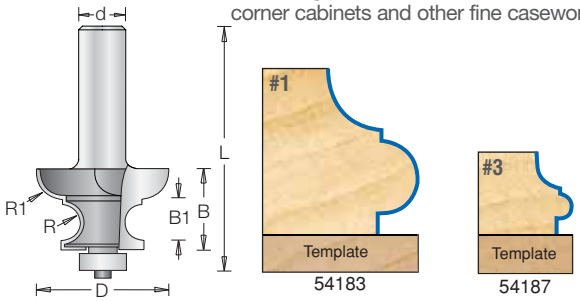
New



Description	ØD	B	B1	Tool No.	R	R1	Ød	L
Trim Molding #1	1-13/32	7/8	21/32	**54183**	3/16	9/32	1/2	2-5/8
Trim Molding #3	15/16	7/16	11/32	**54187**	1/16	1/8	1/2	2-1/8
Bookshelf Edge	47/64	63/64	3/4	**54291**	1/8	—	1/2	2-31/64
Divider Edge	47/64	19/32	3/8	**54293**	3/32	—	1/2	2-11/32
Base Molding #1	1-3/4	23/32	3/4	**54123**	11/32	—	1/2	2-15/32
Base Molding #2	1-9/64	31/64	11/32	**54137**	3/16	5/32	1/2	2-7/32
Base Molding #3	1-5/8	1-3/16	15/16	**49217**	3/16	—	1/2	2-7/8
Base Molding #4	2-43/64	7/8	11/16	**49218**	3/16	—	1/2	2-9/16
Base Molding #5	2-1/8	1-37/64	1-5/16	**49216**	—	—	1/2	3-21/64
Box Lid Molding	1-1/8	13/32	—	**49509**	1/4	—	1/2	2-11/64
Box Lid Molding	2-5/16	51/64	—	**54129**	13/32	—	1/2	2-35/64
Blanket Chest Lid	1-1/4	15/32	—	**54125**	3/16	—	1/2	2-15/64
Blanket Chest Lid	1-7/8	53/64	—	**49513**	19/32	—	1/2	2-19/32

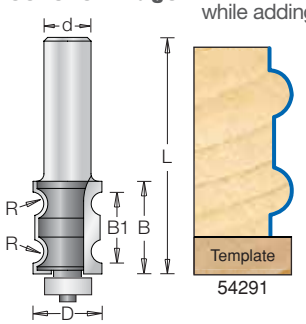
Trim Molding

These cove-and-bead profiles are perfect for adding details to blanket chests, corner cabinets and other fine casework.



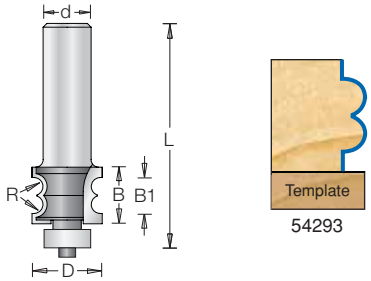
Bookshelf Edge

This simple bead softens the edge on a shelf while adding visual interest.



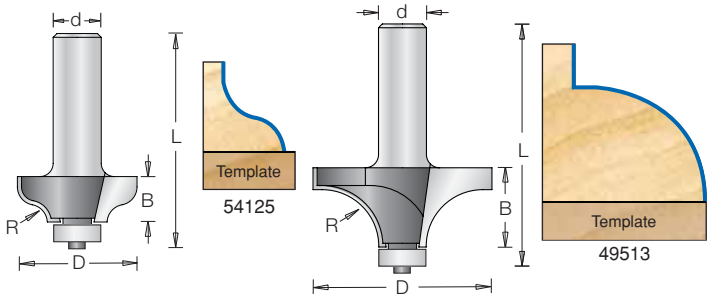
Divider Edge

This double bead is perfect for shaping the edges of dividers in small casework.



Blanket Chest Lid

These molding are commonly used to trim the edges of blanket chest lids and other casework.



Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
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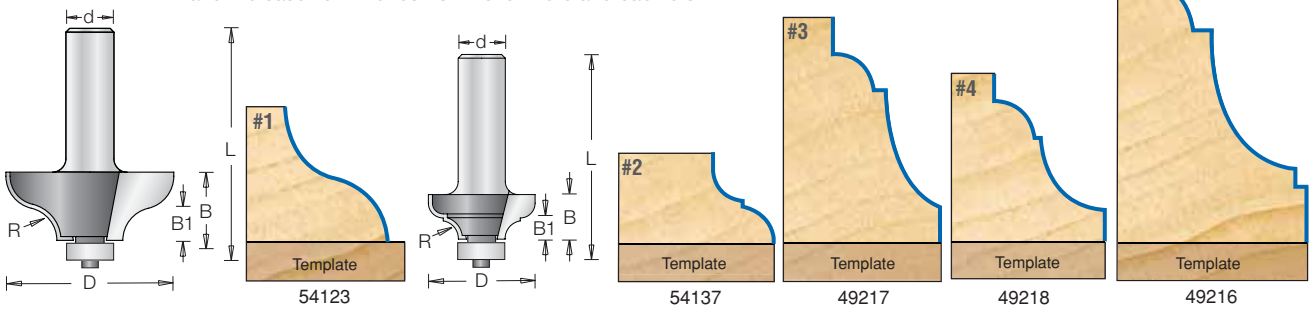
FURNITURE PROFILE ROUTER BITS - (Continued)

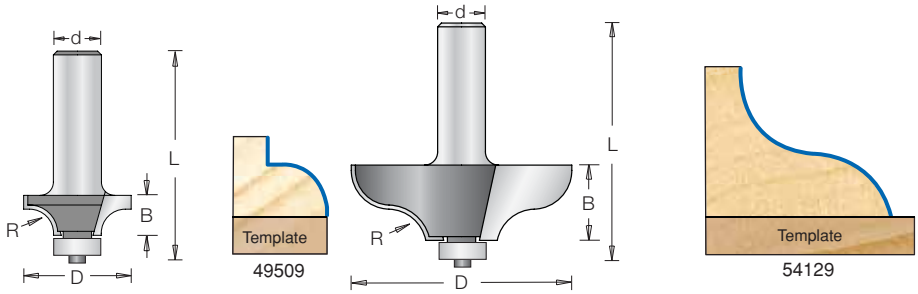
Base Molding

These molding profiles provide a transition between the base and the casework. Perfect for fine furniture and cabinets.



Box Lid Molding

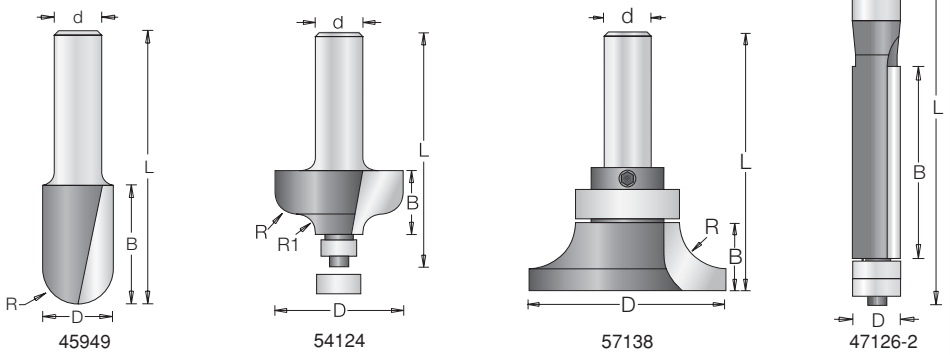
These molding are commonly used to trim the edges of blanket chest lids and other casework.



GOOSENECK MOLDING BITS by *Lonnie Bird*

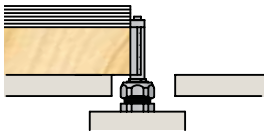
ØD	R	Tool No.	B	Ød	L
1/2	—	**47126-2	2	1/2	4-3/8
2-1/4	1-1/8	45949	1-1/4	1/2	3
1-1/8	5/32	54124	1/2	1/2	2-3/8
2-1/8	1/2	57138	3/4	1/2	3-5/16

** Denotes double ball bearing for added stability.



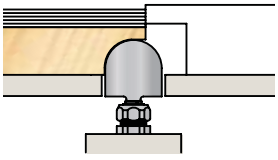
MAKE YOUR OWN DRAMATIC GOOSENECK MOLDINGS

STEP 1



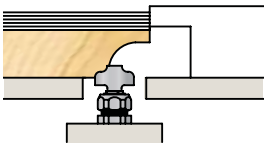
Flush trim with Amana Tool® # 47126-2

STEP 2



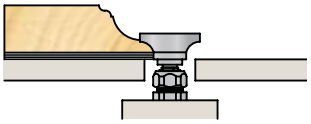
Shape cove with Amana Tool® # 45949 Use Light Cuts

STEP 3



Shape ogee with Amana Tool® # 54124

STEP 4



Shape roundover with "roundover" bit Amana Tool® # 57138

STEP 5

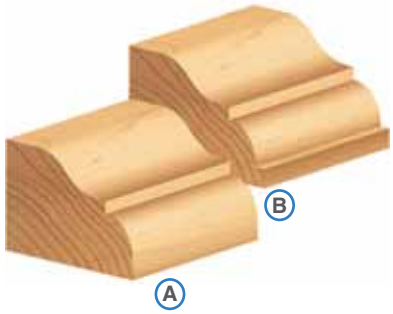
Bandsaw outside curve to complete molding

Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

HANDRAIL/TABLE EDGE WITH BALL BEARING GUIDE

2 FLUTE

These special router bits are used for cutting table top edges or used with handrail side profile bits. See page 70 for handrail patterns. 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.



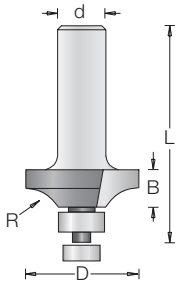
ØD	R	R1	Tool No.	B	Ød	L
1-3/16	15/32	—	**49540**	3/8	1/4	1-3/4
1-3/16	15/32	—	**49542**	3/8	1/2	2-1/4
16 2-3/4	1-3/4	—	**49550**	5/8	1/2	2-1/2
16 2-1/2	3/8	—	**49554**	3/4	1/2	2-3/4
16 2-1/2	3/8	1/4	**49556**	3/4	1/2	2-3/4
16 2-5/16	19/64	1/4	**49558**	7/8	1/2	2-3/4
16 2-9/16	11/64	1-3/32	**49560**	3/4	1/2	2-3/4

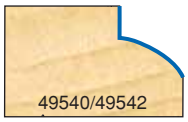
Use in a table-mounted router. Not for use in a handheld router!

WARNING: Maximum RPM 16 = 16,000. (A) Standard 1/2" bearing #47706 (included). (B) Optional 3/8" bearing #47702 (order separately).

49540/49542 ELLIPICAL EDGE

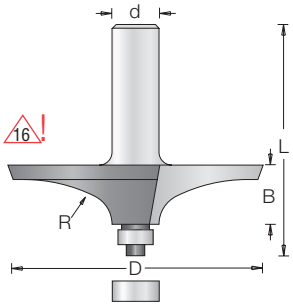
Cuts a narrow profile with an arc based on the ellipse rather than the circle. With the optional 3/8" bearing, it will produce a fillet at the cut's edge.

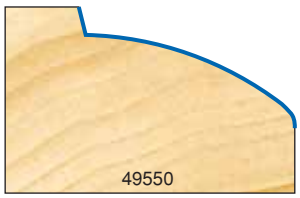




49550 TABLE EDGE

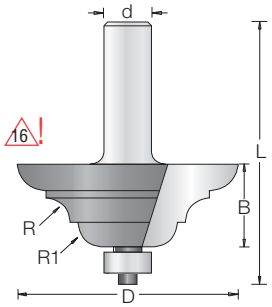
Cuts a wide profile with an arc based on the ellipse rather than the circle. With the optional 3/8" bearing, it will produce a fillet at the cut's edge. Good choice for handrails.

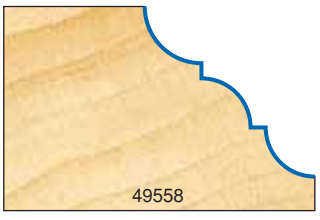




49558 DOUBLE-COVE AND BEAD

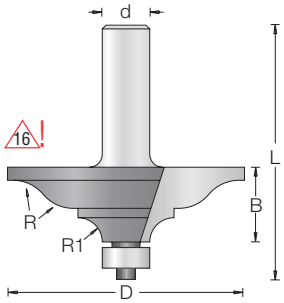
Cuts the thumbnail arc coupled with a bead around the tabletop surface. With the optional 3/8" bearing, it will produce a fillet at the cut's edge.

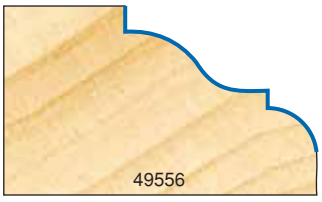




49556 OGEE-AND-BEAD

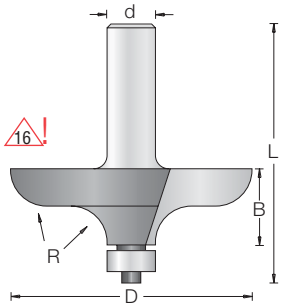
Cuts a shallow ogee into the tabletop surface coupled with a bead at the edge. Bit will produce a fillet if set to cut deep enough. With the optional 3/8" bearing, it will produce a fillet at the cut's edge. Good choice for handrails.





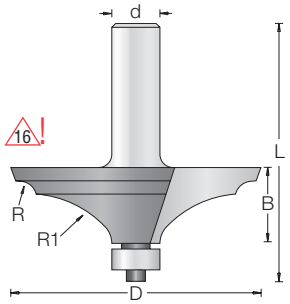
49554 OGEE

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.



Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

TABLE EDGES DESIGNED BY *Lonnie Bird* WITH BALL BEARING GUIDE

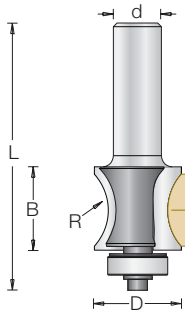
ALL THE PROFILES ARE DESIGNED FOR 3/4" THICK TOPS.

This selection of table edge profiles from Master Woodworker Lonnie Bird 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	Tool No.	B	Ød	L
29/32	9/16	–	**49551**	7/8	1/2	2-25/32
1-3/4	3/8	3/16	**49553**	7/8	1/2	2-3/4
2-21/64	1/2	1/4	**49555**	55/64	1/2	2-3/4
2-7/64	1/4	7/16	**49557**	27/32	1/2	2-3/4
1-5/32	3/8	5/16	**49559**	7/8	1/2	2-3/4
2	3/8	1/4	**49561**	55/64	1/2	2-3/4
2-3/8	1/16	–	**49563**	27/32	1/2	2-25/32

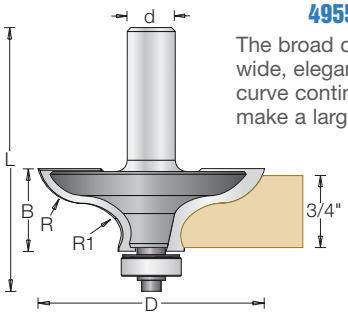
Replacement bearing #47718.

49551 - SOFT EDGE



This simple profile quickly softens the table edge and makes it smooth to the touch. It fits well with a variety of table designs, from contemporary to classic. The guide bearing allows use with a pattern when shaping a scalloped edge.

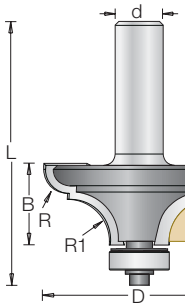
49555 - REVERSE CURVE



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.

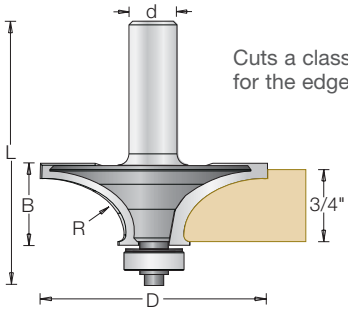
PATENT DESIGN PENDING

49557 - COVE & THUMBNAIL

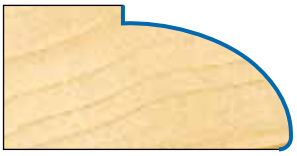


Cuts a small cove combined with a larger thumbnail. Works well when combined with a molding under the top.

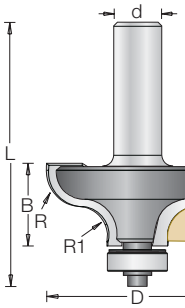
49563 - THUMBNAIL



Cuts a classic thumbnail profile. It's just right for the edges of large tables and chest lids.

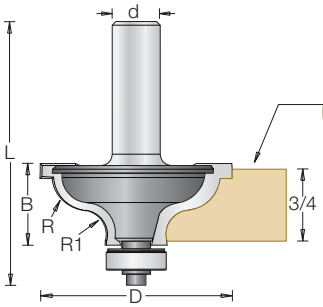


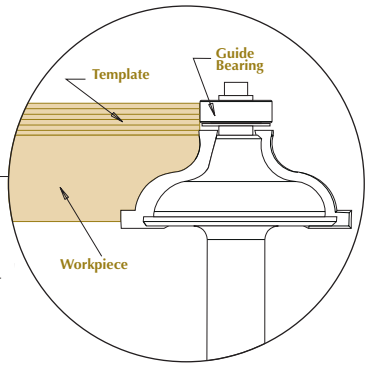
49559 - OGEE



This bit cuts the classic reverse curve so popular on period furniture designs.

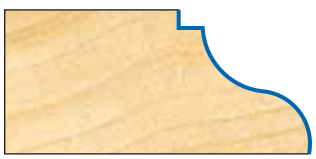
49561 - OGEE WITH STEP



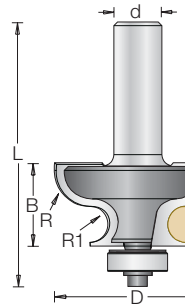


Similar to the ogee edge, this profile joins the classic ogee curve with a small "fillet" or step to add a bit more refinement.

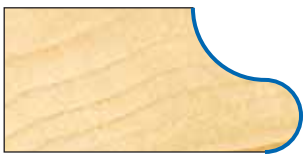
PATENT DESIGN PENDING



49553 - TORUS



This profile combines an ogee curve with a bullnose to create a simple, yet elegant table edge. A great choice for smaller tops.



Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

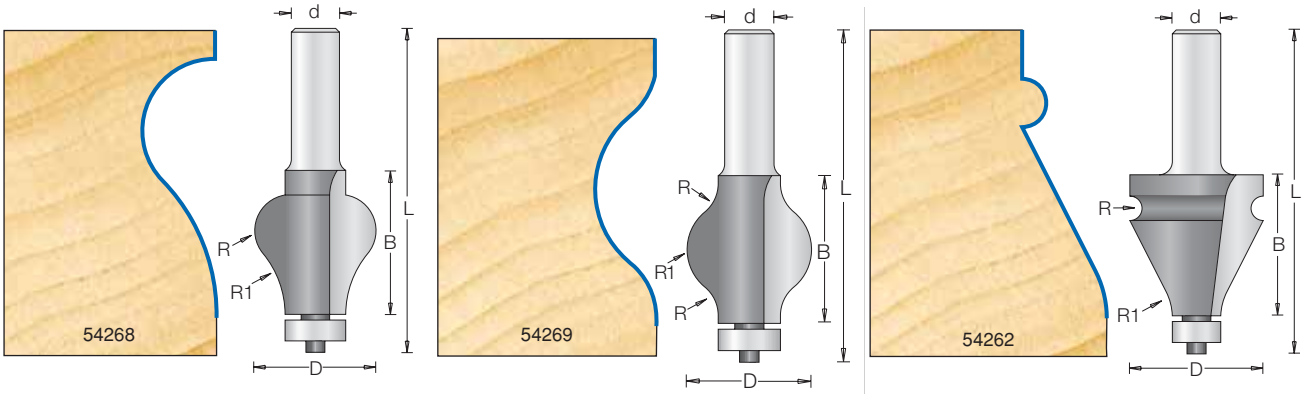
HANDRAIL WITH BALL BEARING GUIDE

2 FLUTE

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 opposite.) For use in handheld or table-mounted routers.

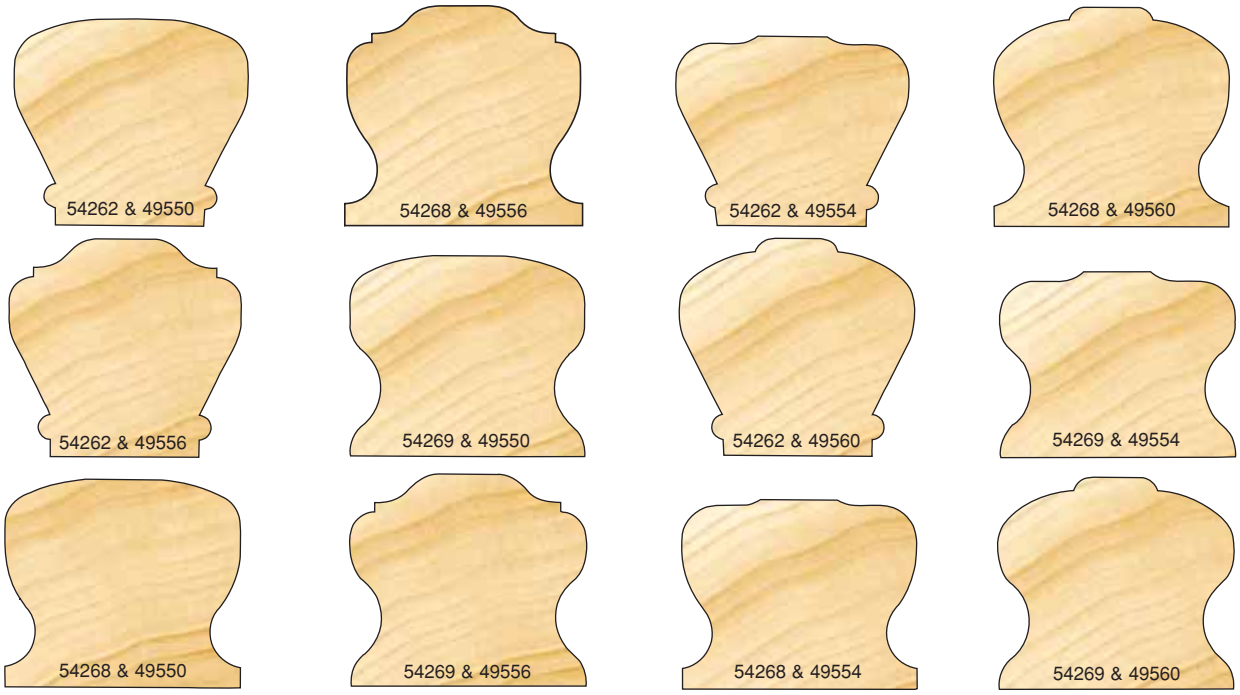
ØD	R	R1	Tool No.	B	Ød	L
1-3/8	1/8	19/32	**54262**	1-1/2	1/2	3-3/8
1-1/4	3/8	1	**54268**	1-1/2	1/2	3-3/8
1-1/4	3/8	1/2	**54269**	1-1/2	1/2	3-3/8

Replacement bearings: #54262 use #47706.
Replacement bearings: #'s 54268 & 54269 use #47716.



HANDRAIL PATTERNS

12 Different Patterns!



(Wood profiles not shown at actual size.)

Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

RABBET WITH BALL BEARING GUIDE

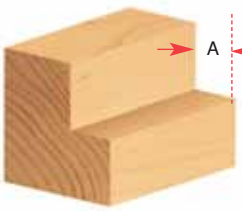
2 FLUTE

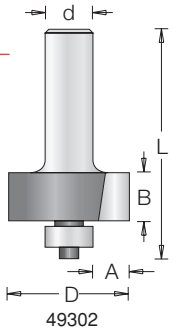
This is the basic rabbeting bit. It cuts 3/8" wide and up to 1/2" deep. Switch to one of four optional ball-bearing guides to alter the width of cut. Use in all handheld and table-mounted routers.

ØD	A	B	Tool No.	Ød	L
1-1/4	3/8	1/2	**49300**	1/4	2
New 1-1/8	3/8	1/2	**RC-49300**	1/4	1-7/8
1-1/4	3/8	1/2	**49302**	1/2	2-3/8

Replacement Knife #RCK-264 (2)

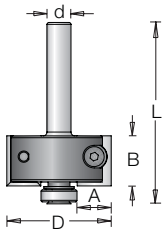
A	Replacement Bearings:
Standard 3/8	Rabbet — 47706
OR 7/16	Rabbet — 47702
OR 5/16	Rabbet — 47718
OR 1/4	Rabbet — 47720





49302

RCK-264



RC-49300

MULTI-RABBET WITH BALL BEARING GUIDE

2 FLUTE

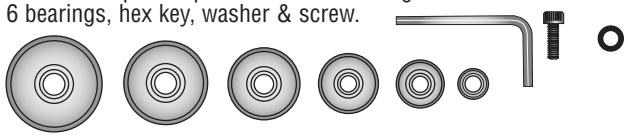
SIX DIFFERENT RABBET DEPTHS

The Multi-Rabbet bit steps in 1/16" increments from a 1/8" cut width to 1/2", simply by switching ball-bearing guides. Six different bearings are provided. Depth of cut capacity of 1/2". Use in any handheld or table-mounted router.

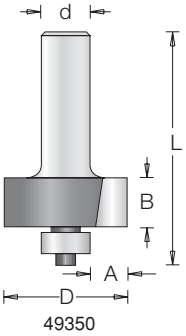
ØD	A	Tool No.	B	Ød	L
1-3/8	1/8, 1/4, 5/16, 3/8, 7/16, 1/2	**49340**	1/2	1/4	2
1-3/8	1/8, 1/4, 5/16, 3/8, 7/16, 1/2	**49350**	1/2	1/2	2-3/8

A	Replacement Bearings:
1/2 Rabbet	— 47702
7/16 Rabbet	— 47706
3/8 Rabbet	— 47718
5/16 Rabbet	— 47720
1/4 Rabbet	— 47719
1/8 Rabbet	— 47743

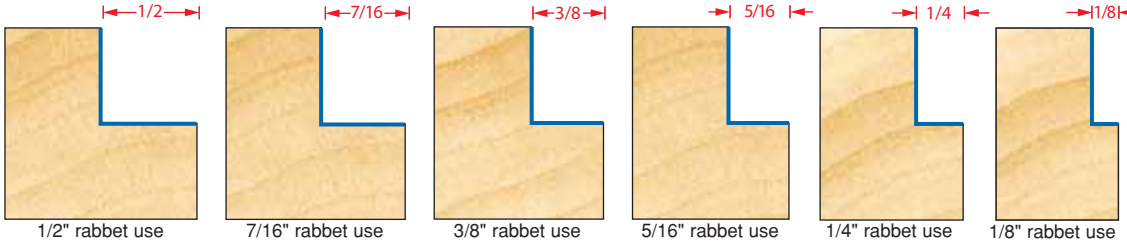
#6000: Complete replacement kit including 6 bearings, hex key, washer & screw.



Screw #67094. Washer #67202.



49350



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

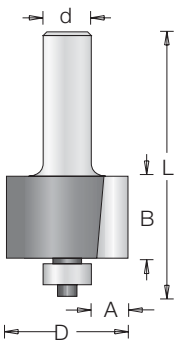
SPECIAL RABBET WITH BALL BEARING GUIDE

2 FLUTE DEPTH OF RABBET 9/32"

Designed for the "**smart clip**" backsplash system.

ØD	A	Tool No.	B	Ød	L
1-1/16	9/32	**49310**	7/8	1/2	2-5/8

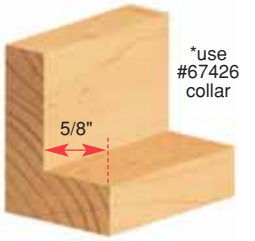
Replacement bearing #47706.

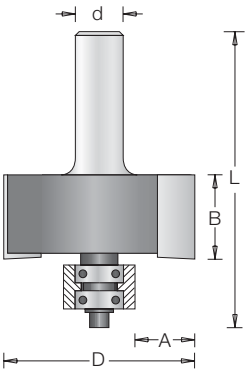


Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size. For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

INSERT SUPERABBET™ WITH BALL BEARING GUIDE

This ingenious tool features both interchangeable cutting edges and interchangeable guide collar, enabling it 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" width rabbets. The "RC" version has extra-long double-edged carbide inserts which enables the bit to cut as deep as 7/8". Inserts can be rotated or replaced without removing the bit from the router.





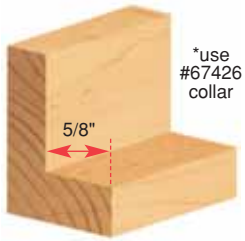
Carbide Tipped #49360

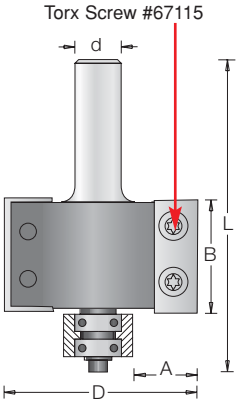
Recommended by:

WILSONART INTERNATIONAL

*RCK-30

#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.





Carbide Inserts RC-49360
Torx Key #5005.

	ØD	A	B	Tool No.	Ød	L
22	2	5/8 & 3/4	7/8	**49360**	1/2	3

WARNING: Maximum RPM 22 = 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!

	ØD	A	B	Tool No.	Ød	L	Replacement Knives
17	2	5/8 & 3/4	30mm	**RC-49360**	1/2	3-3/8	*RCK-30

*Standard general purpose replacement knives = #RCK-30; Knives also available for MDF & solid surface materials - in replacement carbide section.

WARNING: Maximum RPM 17 = 17,000

SUPERABBET™ ACCESSORIES

COLLARS & COLLAR KITS

67500
6-piece collar kit for 1/16", 1/8", 1/4", 3/8", 1/2" depth rabbets Includes the following:

Order No.	Collar Dia.	'A' Rabbet Depth
67398	2	Flush
67400	1-7/8	1/16
67402	1-3/4	1/8
67408	1-1/2	1/4
67414	1-1/4	3/8
67420	1	1/2

67600
5-piece collar kit for 3/16", 5/16", 7/16", 9/16", 11/16" depth rabbets includes the following:

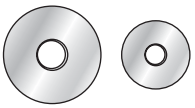
Order No.	Collar Dia.	'A' Rabbet Depth
67404	1-5/8	3/16
67410	1-3/8	5/16
67416	1-1/8	7/16
67422	7/8	9/16
67428	5/8	11/16

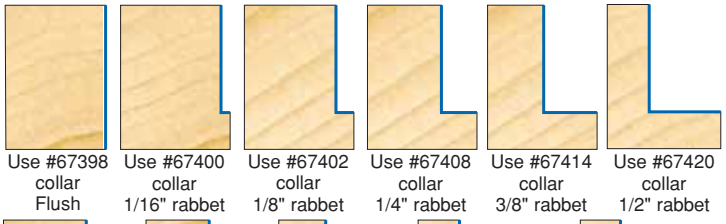
67700
5-piece collar kit for 15/64" (6mm), 23/64" (9mm), 15/32" (12mm), 19/32" (15mm) & 23/32" (18mm) rabbet depths includes the following:

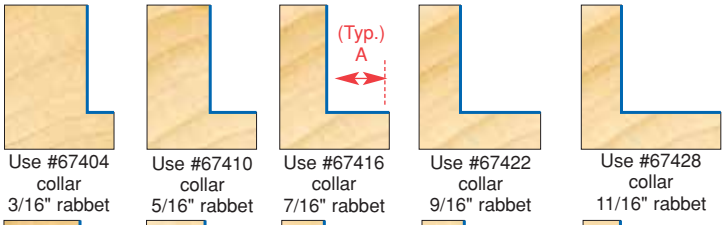
Order No.	Collar Dia.	'A' Rabbet Depth
67406	1-17/32	15/64 (6mm)
67412	1-9/32	23/64 (9mm)
67418	1-1/16	15/32 (12mm)
67424	13/16	19/32 (15mm)
67430	9/16	23/32 (18mm)

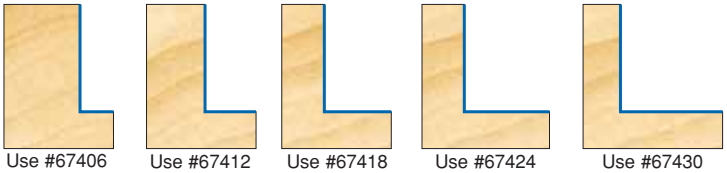
67800
21-piece Collar Kit including 16 individual collars shown above, 2 extra #47701 bearings, #67206 spacer, #5000 allen key and #67094 allen screw.

18 different depths with 1 tool!









(above profiles not actual size)

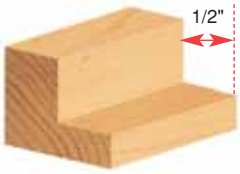
NOTE: 5/8" and 3/4" depth is standard wIth #49360 & RC-49360.

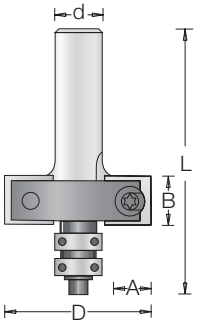
Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

INSERT SUPERABBET, JR™ W/BALL BEARING GUIDE

2 FLUTE

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	A	Tool No.	B	Ød	L
22 1-1/2	*Flush to 1/2"	**RC-49355**	12mm(.472)	1/2	3

*AMA-12

*Using optional collars below. Standard depth=1/2"
Torx Key #5005. Torx Screw #67115.

WARNING: Maximum RPM 22 = 22,000 Torx Key #5005.

*Standard general purpose replacement knives = #AMA-12; Knives also available for MDF and solid surface materials - in replacement carbide section.

Individual Collars: Order No.	Collar ØDia.	'A' Rabbet Depth
67408	1-1/2	Flush
67410	1-3/8	1/16
67412	1-9/32	7/64
67414	1-1/4	1/8
67416	1-1/8	3/16
67418	1-1/16	7/32

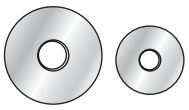
Individual Collars: Order No.	Collar ØDia.	'A' Rabbet Depth
67420	1	1/4
67422	7/8	5/16
67424	13/16	11/32
67426	3/4	3/8
67428	5/8	7/16
67430	9/16	15/32

SUPERABBET, JR™ ACCESSORIES

#67350
5-piece collar kit for Flush, 1/16", 1/8", 1/4" and 3/8" depth rabbets.

13 different depths with 1 tool!

#67355
17-piece collar kit including all 12 individual collars, two #47701 bearings, #67206 spacer, #5000 allen key and #67094 allen screw.



COLLAR KITS

Torx Key #5005. Torx Screw #67115.

Use #67408 collar flush

Use #67410 collar 1/16" rabbet

Use #67412 collar 7/64" rabbet

Use #67414 collar 1/8" rabbet

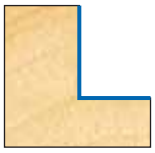
Use #67416 collar 3/16" rabbet

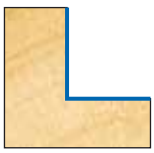
Use #67418 collar 7/32" rabbet

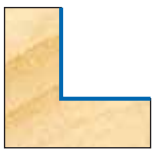
Use #67420 collar 1/4" rabbet

Use #67422 collar 5/16" rabbet

Use #67424 collar 11/32" rabbet


Use #67426 collar 3/8" rabbet


Use #67428 collar 7/16" rabbet


Use #67430 collar 15/32" rabbet

Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

AMANA TOOL® DOVETAIL JOINTS

A few high quality dovetails you can create using Amana Tool® Dovetail Router Bits.

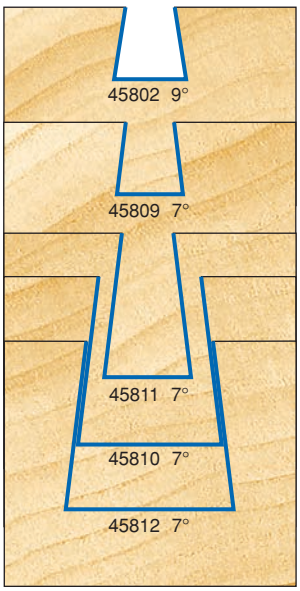
The dovetail joint is the strongest construction method for drawers, boxes, chests and fine casework.

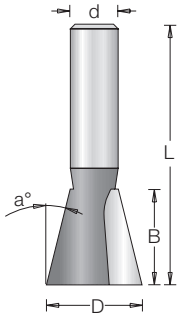
DOVETAIL

Many router dovetail jigs require special bits for cutting half-blind and through dovetails.
We have bits designed for name brand dovetail jigs, including Leigh, Keller, Omnijig and Incra™.

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	Tool No.	L	Application
New 9/32	1/2	1/4	*45837	2-13/32	Porter Cable Jig 4212
11/32	3/8	1/4	†45809	2-1/8	Keller
29/64	3/4	1/4	†45811	2-1/2	Keller
New 17/32	25/32	1/2	45838	2-3/16	Porter Cable Jig 4210 & 4212
5/8	7/8	1/2	45808	2-5/8	Incra™
3/4	7/8	1/2	45810	2-5/8	Incra™
7/8	7/8	1/2	45812	2-1/2	Stair Tread

†For Keller Dovetail jigs. Includes 5/8" dia. bearing. Replacement bearing #47712, snap ring #47752.

*6.24° Angle

7-1/2° ANGLE

The 7-1/2° dovetail bit is used with both Omnijig & the Incra™ dovetail system.

ØD	B	Ød	Tool No.	L	Application
1/4	5/16	1/4	45820	2-1/2	Incra™/Omnijig #43639

8° ANGLE

These 8° dovetail bits are designed especially for use with the Leigh Dovetail Jig.

ØD	B	Ød	Tool No.	L	Application
.260	0.270	1/4	45824	2-1/2	Leigh #50
5/16	0.400	1/4	45825	2-1/2	Leigh #60
3/8	0.532	1/4	45826	2-3/8	Leigh #70
7/16	0.650	1/4	45827	2-9/16	Leigh #75
1/2	0.825	1/4	45828	2-3/4	Leigh #80
11/16	1.025	1/2	45829	2-3/4	Leigh #90
.80	1.275	1/2	45830	3	Leigh #100
.80	1.275	1/2	*45830-LH	3.272	Leigh #100

*Left hand rotation

45808 7°

45820 7-1/2°

9° ANGLE

The 9° dovetail bit is used for certain operations with the Incra™ dovetail system.

ØD	B	Ød	Tool No.	L	Application
New 5/16	3/8	1/4	*45822	2-1/2	—
New 5/16	3/8	1/2	*45823	2-1/2	—
3/8	3/8	1/4	45800	2	—
3/8	3/8	3/8	45801	2	—
3/8	3/8	1/2	45802	2	—
3/8	3/8	1/2	45807	2-1/2	Incra™

* Solid Carbide

45824 8°

45800 9°

Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.

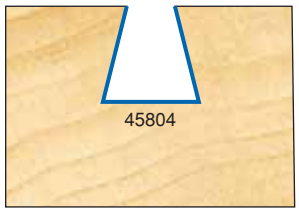
Amana Tool®

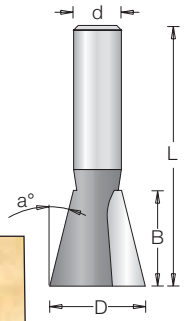
DOVETAIL

10° ANGLE

The 10° dovetail bit is used with the Incra™ and Leigh dovetail systems.

ØD	B	Ød	Tool No.	L	Application
1/2	.650	1/4	**45803**	2-1/2	Incra™/Leigh #101
1/2	5/8	1/2	**45805**	2-5/8	Incra™

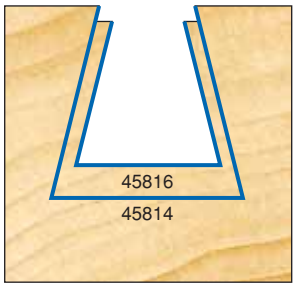




14° ANGLE

The 14° dovetail bit is used with common half-blind dovetail jigs, as well as with Omnijig, Incra™ and Leigh jigs.

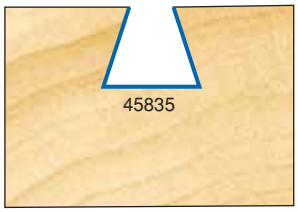
ØD	B	Ød	Tool No.	L	Application
1/2	1/2	1/4	**45804**	1-3/4	—
1/2	1/2	1/4	**45832**	2	Incra™/Omnijig 43705
1/2	1/2	1/4	**45833**	2-3/8	Leigh #120
1/2	.532	1/2	**45806**	2-1/2	Incra™/Omnijig 43750
17/32	1/2	1/4	**45834**	2	Incra™
3/4	3/4	1/2	**45816**	3	Omnijig 43774
7/8	7/8	1/2	**45818**	2-5/8	—
1	1	1/2	**45814**	2-3/4	—



18° ANGLE

The 18° dovetail bit is used with the Leigh jig.

ØD	B	Ød	Tool No.	L	Application
1/2	.415	1/4	**45835**	2-1/4	Leigh #128



14° BUTTERFLY SPLINE

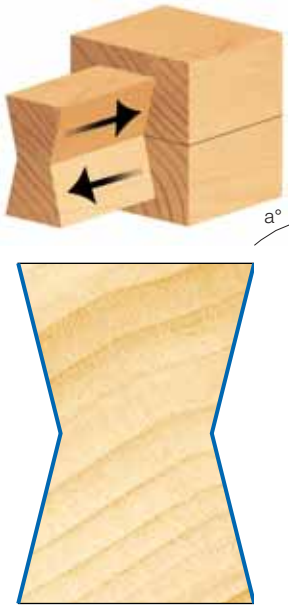
2 FLUTE

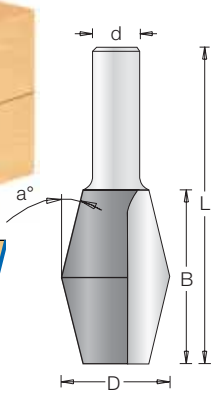
Cut butterfly keys, splines and inlays with this bit, which complements Amana Tool's® 14° dovetail bits. Use in a table-mounted router.

ØD	B	Tool No.	Ød	L
1-1/8	1-3/4	**45860**	1/2	3-1/4

Use with Amana Tool's® 14° Dovetail bits #'s 45804, 45806, 45814, 45816 or 45818

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





Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
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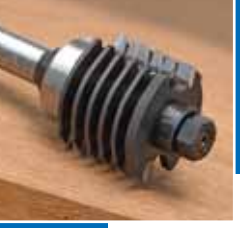
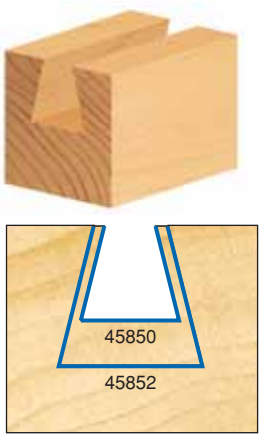
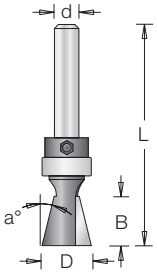


DOVETAIL WITH UPPER BALL BEARINGS

2 FLUTE

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 workpiece and the router. With a handheld router, the template must be on top of the work. With a table-mounted router, the template must be underneath the workpiece.





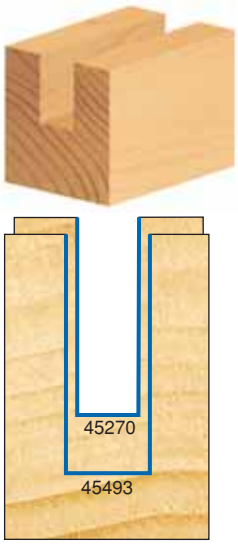
	ØD	a°	B	Tool No.	Ød	L	Type
	1/2	14°	1/2	**45850**	1/4	2-1/4	Dovetail
New	3/4	14°	3/4	**†45852**	1/2	3	Dovetail

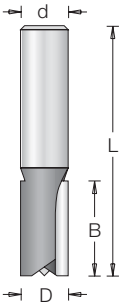
†For pattern cutting or jigs.

Replacement bearing - #47701. Replacement collar - #47724.

LEIGH JIG STRAIGHT BITS

Straight bits required to cut pins for through dovetail using the Leigh jig.



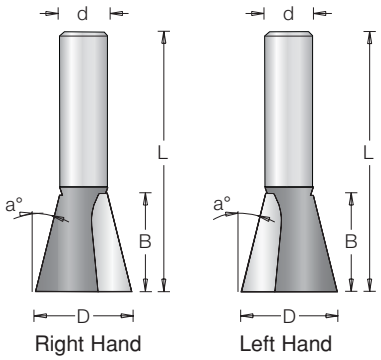


ØD	B	Ød	Tool No.	L	Application
5/16	1.03	1/4	**45270**	2-1/4	Leigh #140
7/16	1-1/4	1/2	**45493**	2-3/8	Leigh #150
1/2	1-1/4	1/2	**45494**	2-3/4	Leigh #160

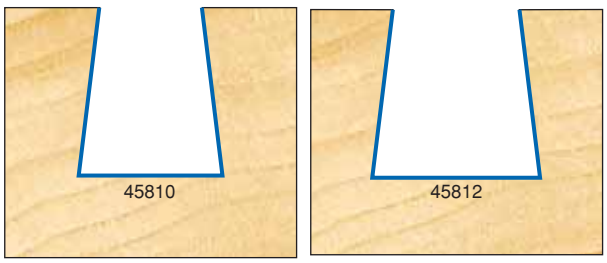
7° STAIRTREAD

2 FLUTE

Cut stair stringers for the treads using this bit. Available in right hand and left hand rotation versions.



ØD	Rotation	a°	Tool No.	B	Ød	L
3/4	Right Hand	7°	**45810**	7/8	1/2	2-5/8
3/4	Left Hand	7°	**45810-LH**	7/8	1/2	2-5/8
7/8	Right Hand	7°	**45812**	7/8	1/2	2-1/2
7/8	Left Hand	7°	**45812-LH**	7/8	1/2	2-1/2
1	Right Hand	7°	**45813**	7/8	1/2	2-1/2
1	Left Hand	7°	**45813-LH**	7/8	1/2	2-1/2



Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
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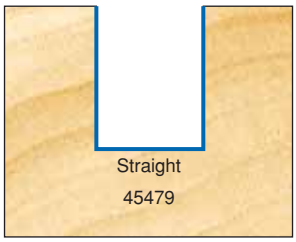
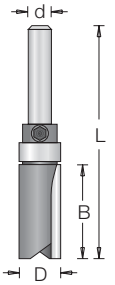
KELLER DOVETAIL SYSTEM

The popular Keller Templates require the use of straight and dovetail bits with shank-mounted pilot bearings. The following bits are designed specifically for use in the Keller system.



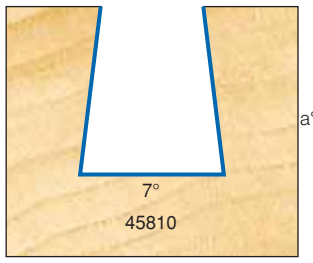


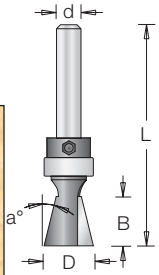
STRAIGHT CUTTER W/UPPER BALL BEARING

ØD	B	Tool No.	Keller No.	Ød	L
⚠18 .615	1/2	**45469**	1641	1/4	2-1/4
⚠16 .615	3/4	**45470**	1643/2443	1/4	2-5/8
.615	1	**45471**	2445/3645	3/8	2-5/8
.615	1/2	**45476**	1641	1/4	2-1/4
.615	3/4	**45478**	1643/2443	1/4	2-1/2
9/16	3/4	**45479**	3032	1/4	2-1/4

7° DOVETAIL BIT SYSTEM W/UPPER BALL BEARING

ØD	B	Tool No.	Keller No.	Ød	L
11/32	3/8	**45880**	1631/1531	1/4	2-1/4
7/16	3/4	**45882**	1633/1533	1/4	2-5/8
5/8	1	**45884**	2435	3/8	2-5/8





7° KELLER SET 1601 PRO SERIES & 1500 JOURNEYMAN STANDARD BIT SET W/UPPER BALL BEARING

ØD	B	Ød	Tool No.	Keller No.	L	Bearing	Type
7/16	3/4	1/4	**45882**	1633	2-5/8	47712	Dovetail
⚠16 5/8	3/4	1/4	**45470**	1643/1543	2-5/8	47712	Straight
9/16	3/4	1/4	**45474**	1642	2-3/8	47712	Dovetail

7° DOVETAIL - SMALL BIT SET W/UPPER BALL BEARING

ØD	B	Ød	Tool No.	Keller No.	L	Bearing	Type
11/32	3/8	1/4	**45880**	1631	2-1/4	47712	Dovetail
5/8	1/2	1/4	**45469**	1641/1541	2-1/4	47712	Straight

7° DOVETAIL - MODEL 2401 PRO SERIES & 2200 JOURNEYMAN W/UPPER BALL BEARING

ØD	B	Ød	Tool No.	Keller No.	L	Bearing	Type
5/8	1	3/8	**45884**	2435	2-5/8	47741	Dovetail
7/8	1	3/8	**45472**	2445	2-5/8	47741	Straight

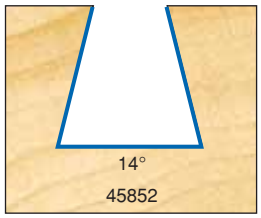
Replacement bearing for #45469, #45470, #45474, #45880, #45882 is #47712.

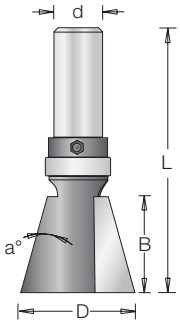
Replacement bearing for #45471 is #46641.

Replacement bearing for #45884 is #47741.

7° DOVETAIL - SMALL BIT SET W/UPPER BALL BEARING

ØD	B	Ød	Tool No.	Keller No.	L	Bearing	Type
7/16	3/4	1/4	**45888**	2433	2-5/8	47735	Dovetail
5/8	3/4	1/4	**45470**	1643/2443/3643	2-5/8	47712	Straight





14° DOVETAIL - MODEL 3600 - STANDARD BIT SET W/UPPER BALL BEARING

ØD	B	Ød	Tool No.	Keller No.	L	Bearing	Type
1	1	1/2	**45890**	3637	2-3/4	47738	Dovetail
⚠16 5/8	3/4	1/4	**45470**	1643/2443/3643	2-5/8	47712	Straight
7/8	1	3/8	**45472**	3645/2445	2-5/8	47741	Straight

14° DOVETAIL - LARGE BIT SET W/UPPER BALL BEARING

ØD	B	Ød	Tool No.	Keller No.	L	Bearing	Type
1-1/8	1-1/4	1/2	**45892**	3639	3-1/8	47738	Dovetail
7/8	1-1/4	3/8	**45473**	3649	2-7/8	47741	Straight

⚠ **WARNING:** Maximum RPM ⚠16 = 16,000; RPM ⚠18 = 18,000

Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.

E-Z DIAL™ SLOT CUTTER

SHIM-FREE & ADJUSTABLE

Patent Pending

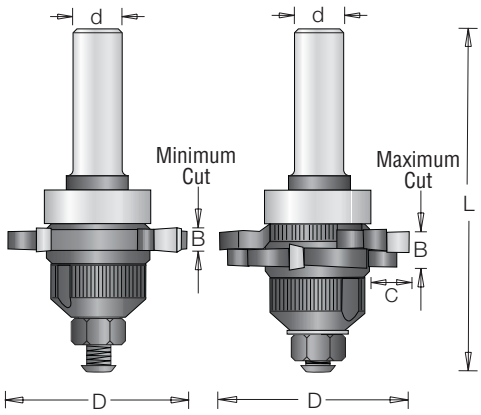
Finally, a slot cutter with nothing to lose. No shims, no spacers.
Quick & Easy Setup - Nothing to take apart, just dial it, lock it, cut it.
Simply adjust the dial in 0.004" increments.
Easily makes perfect grooves for today's undersized plywood.
Perfect for edge ("T") molding installation.
Available in two sizes:
- **#55500 - For 1/8" - 1/4" wide slots, 1/2" deep**
- **#55510 - For 1/4" - 1/2" wide slots, 1/2" deep**

Each E-Z Dial Slot Cutter includes
FULL COLOR INSTRUCTION MANUAL
LEARN STEP BY STEP WITH MASTER CRAFTSMAN LONNIE BIRD

E-Z DIAL SLOT CUTTERS

Cutting precise grooves has never been easier. The E-Z Dial™ adjusts in just seconds and it's accurate to .004". And there is no need to disassemble the bit. Just turn the dial and lock the setting, it's that easy.

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

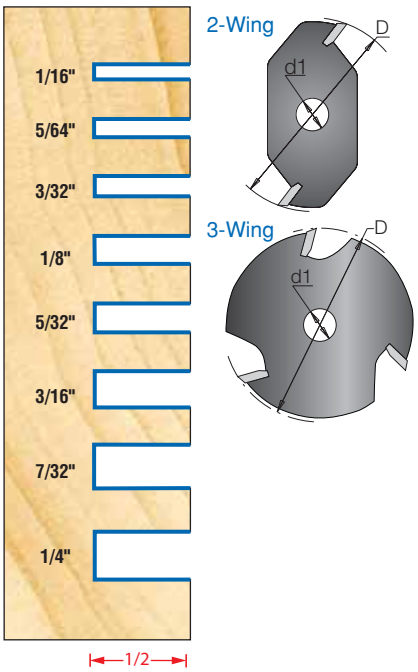


ØD	B	Tool No.	C	Ød	L
2-1/8	1/8-1/4	55500	1/2	1/2	3-3/4
2-1/8	1/4-1/2	55510	1/2	1/2	3-3/4

Replacement ball bearing #47738.

2 & 3 WING SLOTTING CUTTERS

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	2 Wing Tool No.	3 Wing Tool No.	B Kerf	Ød1 Bore
1-7/8	53100	53200	1/16	5/16
1-7/8	53102	53202	5/64	5/16
1-7/8	53104	53204	3/32	5/16
1-7/8	53106	53206	1/8	5/16
1-7/8	*53107	*53207	5/32	5/16
1-7/8	53108	53208	3/16	5/16
1-7/8	53109	53209	7/32	5/16
1-7/8	53110	53210	1/4	5/16

*5/32" size also used for 'biscuit-joint' cutting. See page 79 for complete assemblies including arbor and ball bearing guide. Arbor sold separately.

SLOTTING CUTTER ASSEMBLIES

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 with all handheld and table-mounted routers.

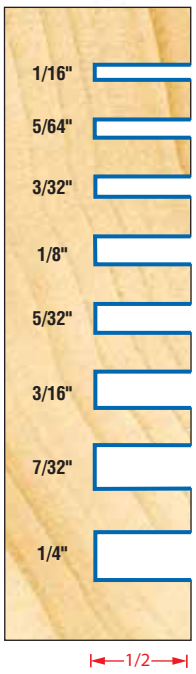
General Specs:

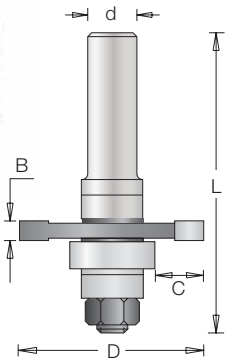
ØD	B	C	Ød	L
1-7/8	Kerf (from 1/6 - 1/4)	**1/2	1/4 or 1/2	2-3/8

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	53300-1	53400-1
5/64	53302	53402	53302-1	53402-1
3/32	53304	53404	53304-1	53404-1
1/8	53306	53406	53306-1	53406-1
* 5/32	53307	53407	53307-1	53407-1
3/16	53308	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 80 for *'Vari-Depth'™*** bearings (1/4" and 3/8" depth).

Replacement Arbors:
1/4" shank - 47600
3/8" shank - 47602
1/2" shank - 47604



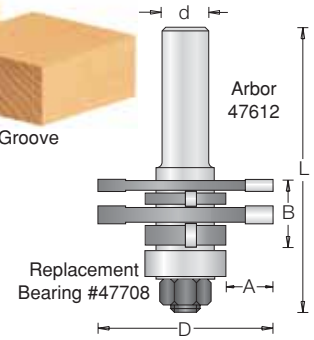


Replacement Bearing 47708

'QUADRASET'™ 2-WING ADJUSTABLE SLOTTING ASSEMBLY WITH BALL BEARING GUIDE

The Quadraset™ is an adjustable slotting assembly that includes 1/8", 5/32", 3/16", & 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 Vari-Depth™ bearings on page 80.

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

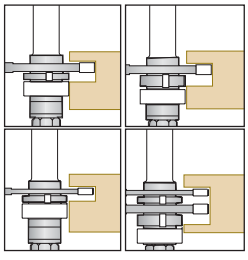


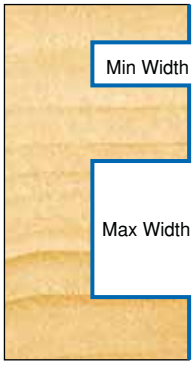
ØD	A	B-Kerf	Tool No.	Ød1	Ød	L
1-7/8	1/2	1/8-*23/32	53600 ♦	5/16	1/2	3
Extra 5/32 two-wing cutter only.			53107			

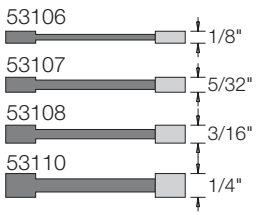
*A full 3/4" cut can be achieved using one additional #53107 cutter (available separately).

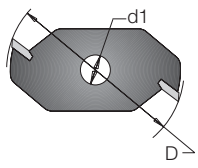
Individual Cutters
1/4", 3/16", 5/32", 1/8"

Combined Cutters
7/32"...through...23/32" (Increments of 1/32")







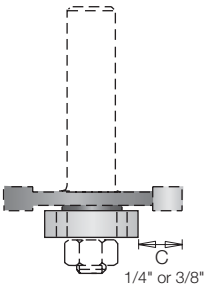


Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

SLOT CUTTER 'VARI-DEPTH'™ BEARINGS

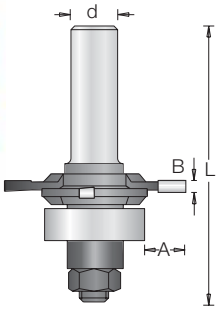
All standard Amana Tool® slotting assemblies (including new Quadraset™, Duo-Set™, and box joint) make a 1/2" deep cut. Reduce the cut depth to either 1/4" or 3/8" with Vari-Depth™ precision ball bearings fitted with non-marring Delrin® sleeves.

'C' Depth of Cut	I.D.	Tool No.	O.D.
1/4	5/16	**47727**	1-3/8
3/8	5/16	**47728**	1-1/8
Two piece set (#47727/47728)		**47729**	



'DUO-SET'™ 2-WING ADJUSTABLE SLOTTING ASSEMBLY WITH BALL BEARING GUIDE

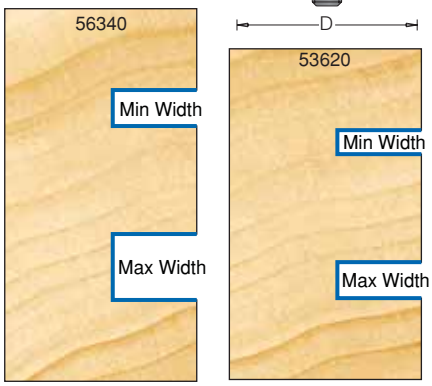
The Duo-Set™ bit has a pair of slotting cutters that can be shimmed apart to vary the width of cut. Available in two size ranges, 1/8" to 3/16" and 3/16" to 11/32". To vary the cut depth, see Vari-Depth™ bearings listed on previous page.



ØD	B	Tool No.	A	Ød	L
1-31/32	1/8-3/16	**53620**	7/16	1/2	3
1-31/32	3/16-11/32	**53640**	7/16	1/2	3

Replacement Parts: Order #	Description
53622	Top Cutter (for 53620)
53624	Bottom Cutter (for 53620)
53642	Top Cutter (for 53640)
53644	Bottom Cutter (for 53640)
47612	1/2" shank arbor with nut
47736	8 x 28mm ball bearing
53628	Shim set
55402	1mm black washer (4 required)
55369	5.5mm spacer (1 required for 53620)
55366	3.0mm spacer (1 required for 53640)

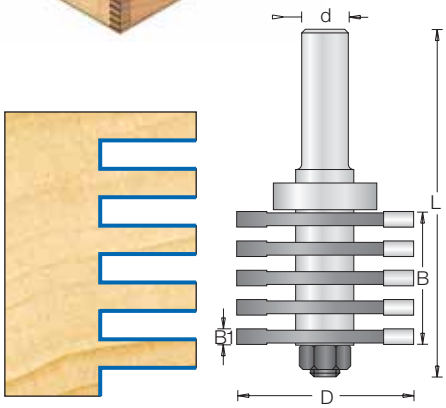
Use in a table-mounted router. Not for use in a handheld router!



'BOX JOINT' SET WITH BALL BEARING GUIDE

3-WING

Cut strong, attractive box joints for small boxes and shallow drawers and trays with this bit. By taking three passes it can be used with stock up to 1/2" thick and 4" wide. To insure a good fit when taking multiple passes it's best to align a cutter on the bit with one of the previous cuts. This is the most accurate way to adjust the height of the bit when making multiple passes.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	Tool No.	B1	Ød	L
13 1-7/8	1-3/8	**53610**	5/32	1/2	3-3/4

⚠ **WARNING:** Maximum RPM 13 = 13,000

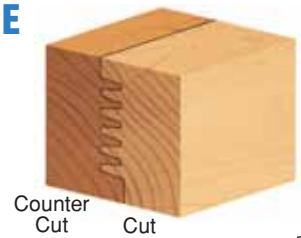
Individual Components: Order #	Description
53207	5/32" 3-wing cutters (5 required)
47620	1/2" shank arbor with nut
47708	Steel ball bearing guide (1/2" depth of cut)
55369	5.5mm spacers (4 required)
55402	1.0mm spacers (2 required)
55404	.5mm shim (1 required)

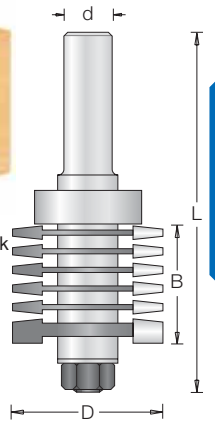
Use in a table-mounted router. Not for use in a handheld router!

FINGER JOINT ASSEMBLY WITH BALL BEARING GUIDE

2-WING

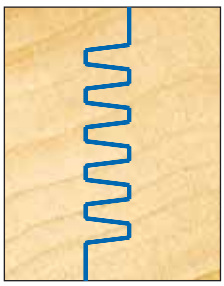
Ideal for joining wood end-to-end as well as edge-to-edge, the finger joint can be routed quickly and accurately with this tool. Rout one workpiece face up, the other face down. When the bit height is correct, the two pieces should slide together with their faces perfectly flush. The assembly includes 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. Full instructions for setup and use are included. For best results run at full speed in a 1-1/2 horsepower table-mounted router.





ØD	B	Tool No.	Ød	L
1-9/16	1-3/8	**55392**	1/2	3-3/4

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



Overall Specs:

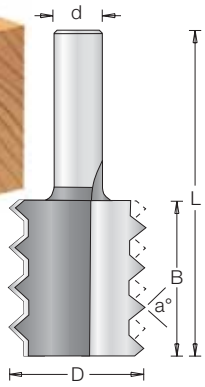
Individual Components:	
Order #	Description
55394	Finger cutter (5 required)
55396	Straight cutter (1 required)
47736	Ball bearing (5/6" x 28mm)
47620	1/2" Shank arbor with nut

Individual Components:	
Order #	Description
55367	3.4mm Spacer (7 required)
55368	6.0mm Spacer (1 required)
55357	0.1mm Shim (10 required)
55404	0.5mm Shim (1 required)
55402	1.0mm Washer (2 required)

Each Finger Joint Assembly includes
FULL COLOR INSTRUCTION MANUAL
LEARN STEP BY STEP WITH MASTER CRAFTSMAN LONNIE BIRD

RAISED PANEL 'V' JOINT

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.

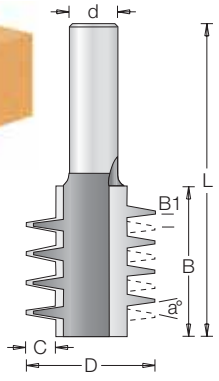


ØD	B	Tool No.	a°	Ød	L
1-3/8	1-37/64	**45790**	80°	1/2	3-1/16

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

FINGER JOINT

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 workpiece, down when cutting its mate. Use in all CNC and table-mounted routers. For best results use in a router table.

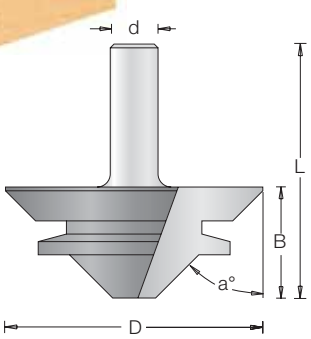


ØD	B	B1	Tool No.	a°	C	Ød	L
1-3/8	1-9/16	21/64	**45796**	14°	5/16	1/2	3

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

45° LOCK MITER

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	B	a°	Tool No.	Ød	L	Material Size
1-1/2	1/2	45°	55393	1/4	1-5/8	5/16-7/16
1-5/8	5/8	45°	55391	1/4	1-3/4	3/8-1/2
1-3/4	7/8	45°	55389	1/2	2-1/8	3/8-3/4
2-11/16	1-3/16	45°	55390	1/2	2-5/8	1/2-1-1/8

18

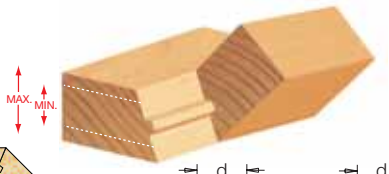
Use in a table-mounted router. Not for use in a handheld router!

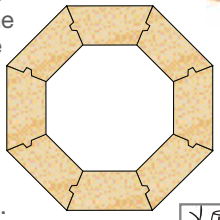
WARNING: Maximum RPM 18 = 18,000

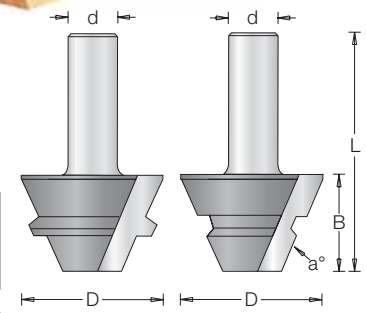
Each 45° Lock Miter Cutter includes
FULL COLOR INSTRUCTION MANUAL
LEARN STEP BY STEP WITH MASTER CRAFTSMAN LONNIE BIRD

22.5° LOCK MITER SET

Intended primarily for corner cabinetry, this two-bit set produces a 45° assembly. One bit that bevels & grooves the workpiece, the second bevels and forms a tiny tongue on the mating edge. The set can be used in assembling any octagonal structure, from boxes & planters up to posts. Works on stock thicknesses minimum 3/8" to max 3/4". For best results use the bits in a table-mounted router, & adjust each to the same elevation. That is, measure from the tabletop to the bit top when you make the cuts with the first bit, then set the second bit to the same height.







ØD	B	Tool No.	a°	Ød	L
1-15/32	7/8	55395	22.5°	1/2	2-1/2

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

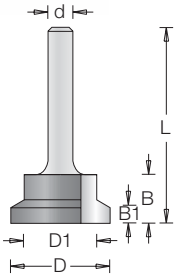
DRAWER LOCK

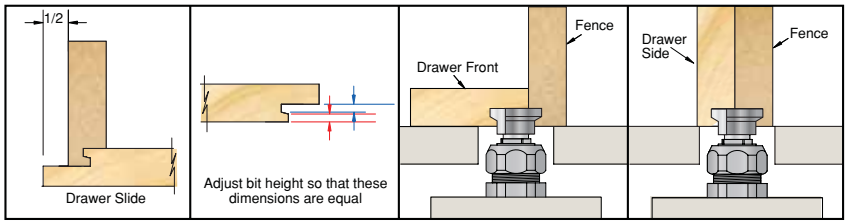
2 FLUTE

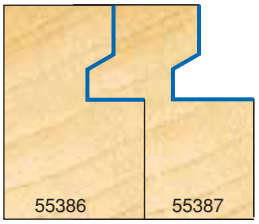
With this one bit, cut a lock joint that's ideal for quick construction of strong drawer boxes. Use in a table-mounted router only. The same bit setting is used for both halves of the joint; adjust the fence position slightly to switch between sides and fronts/backs. The drawer front (or back) is laid 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	Tool No.	Ød	B1	L
3/4	1/2	1/2	55386	5/32	1/4	1-5/16
1	23/32	1/2	55387	5/32	1/2	1-5/16

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







Bit height is identical for both cuts. Fence position must be adjusted.

Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

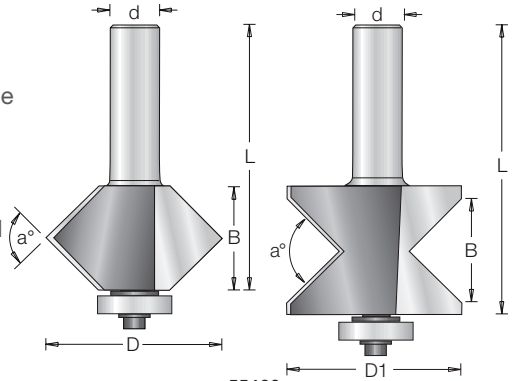
2 PIECE EDGE BANDING BIT SETS

New

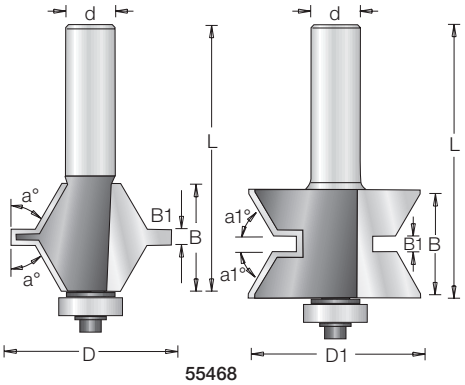
This two-piece bit set provides an economical way to create your own edge banding from the wood of your choice. This is a great way to create a finished edge on plywood or MDF panels and shelves which blends perfectly with the rest of your project.

Using this bit set is simple, too. 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 degree or 60 degree. The 90 degree bits can also be used to create 'V' grooves or double-sided chamfers. The 60 degree set creates a larger surface area for glue.
1/2" shank, two flutes, carbide tipped for long life. For stock 1/2" to 1" in thickness. For use only in a table mounted router.



55466

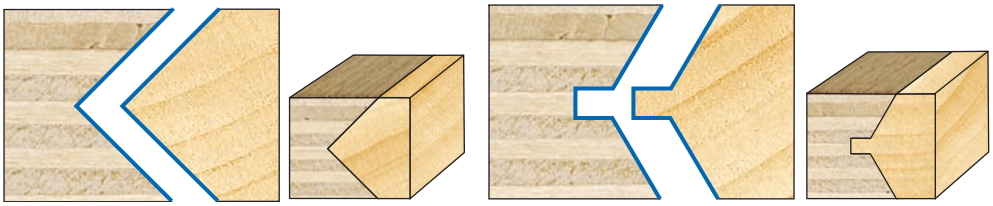


55468

ØD	ØD1	B	B1	Tool No.	a°	a1°	Ød	L
1-25/32	1-13/16	1-1/32	—	**55466**	90°	—	1/2	2-21/32
1-19/32	1-45/64	1	5/32	**55468**	30°	60°	1/2	2-5/8

Replacement Bearing #47720.

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

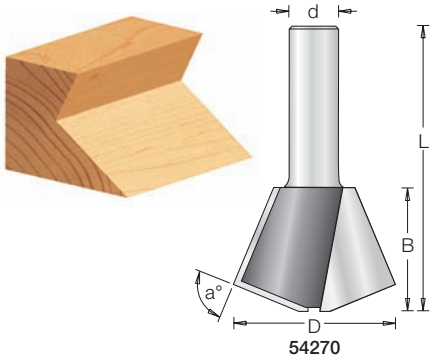


55466 55468

MULTI-SIDED GLUE JOINT BITS

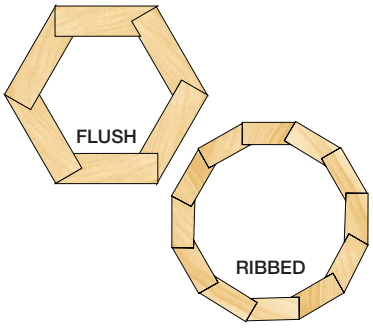
New

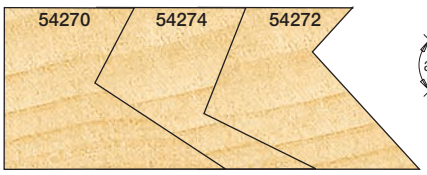
If you're looking for a better way to construct multi-sided boxes, planters, and columns, then look no further. With these bits, there's no need for complex miters and time-consuming set-ups. Instead, simply choose the bit based upon the number of sides on the box, rout the joint, and assemble. Unlike 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.



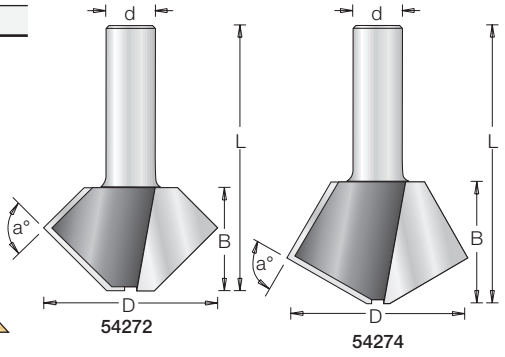
54270

ØD	B	# Sides	Tool No.	a°	Ød	L
1-5/8	1-1/4	16	**54270**	67.5°/22.5°	1/2	2-7/8
1-3/4	1-3/64	8	**54272**	45°/45°	1/2	2-21/32
1-7/8	1-1/4	6 or 12	**54274**	60°/30°	1/2	2-7/8





Above profiles not shown actual size



Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

T-SLOT

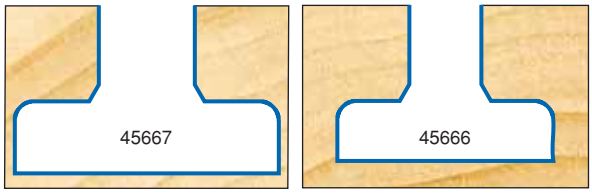
2 FLUTE

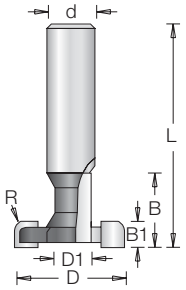
Designed for creating T-slot wall panels (used to cut their characteristic slots for many purposes) and radiused edges on the T-slots (allow easier adjustment of fixtures on the completed wall panels). Bits are not designed for plunging operations. For best results use in CNC and table-mounted routers.

ØD	ØD1	R	Edge Type	Tool No.	B	B1	Ød	L
1-1/8	3/8	—	Straight	**45660**	13/16	5/16	1/2	2-1/2
1-1/8	3/8	1/4	Radius	**45666**	13/16	5/16	1/2	2-1/2
1-3/8	1/2	—	Straight	**45662**	7/8	3/8	1/2	2-1/2
1-3/8	1/2	1/4	Radius	**45667**	7/8	3/8	1/2	2-1/2

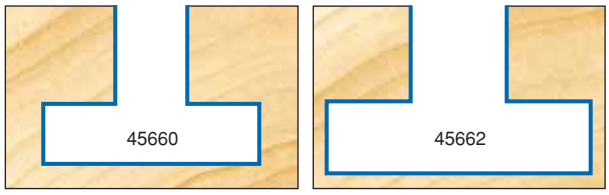
Use in a table-mounted router. Not for use in a handheld router!

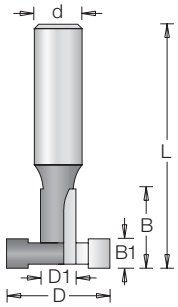
NOTE: These tools are designed for 'groove-forming' T-slot wall panels. They are not designed for plunging operations.





45666



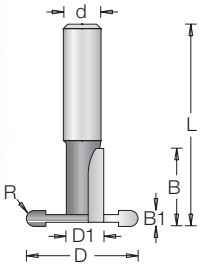


45660

SPECIAL AMEROCK® HINGE

2 FLUTE

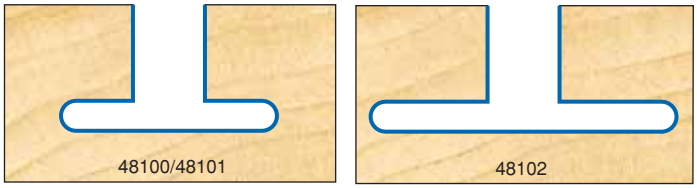
This bit is designed to produce a T-slot for Amerock® hinges. For best results use in a table-mounted router.



ØD	ØD1	R	Tool No.	B	B1	Ød	L
1-1/8	3/8	5/64	***48100**	21/32	5/32	3/8	2
1-1/8	3/8	5/64	***48101**	21/32	5/32	1/2	2-1/8
1-19/32	3/8	5/64	***48102**	21/32	5/32	3/8	2

*NOTE: These bits are not guaranteed due to fragility and application.

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

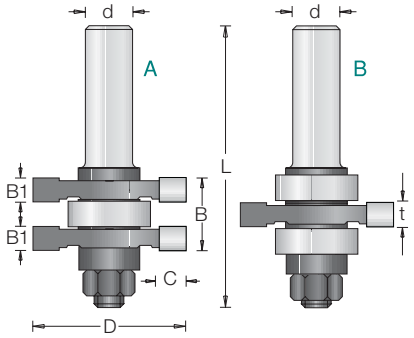


TONGUE & GROOVE ASSEMBLY WITH BALL BEARING GUIDE

1/2" - 1-1/8" MATERIAL

2-WING

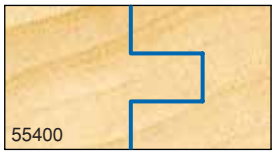
Cut perfectly fitted tongue-and-groove joints on stock between 1/2" and 1-1/8" thick with a table-mounted router and this assembly. The tool consists of an arbor with an integral shank, two identical, removable slotting cutters, and a pair of bearings. To cut tongues, sandwich one bearing between the two cutters (as in drawing A). To cut slots, mount one cutter between the two bearings (as in drawing B).

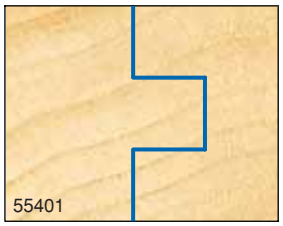


	ØD	B	B1	C	Tool No.	Ød	t	L
New	1-5/8	1/2	1/4	3/8	†55405	1/2	3/16	3
	1-5/8	3/4	1/4	3/8	+55400	1/2	1/4	3
New	1-7/8	3/4	1/4	1/2	†55407	1/2	1/4	3
	1-5/8	1-1/8	3/8	3/8	• 55401	1/2	3/8	3-3/8

† 2 Piece set.
+ Can be used on 1/2" through 3/4" thick material.
• Can be used on 3/4" through 1-1/8" thick material.
Tongue is cut as shown in assembly 'A'. For groove cut, reassemble the tool as shown in 'B'. Instructions included.

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



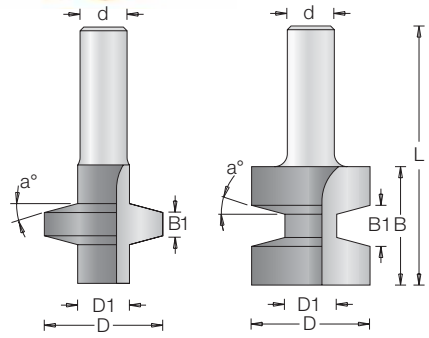


Replacement Parts	
Order #	Description
55354	1/4" Kerf cutters (2 required) for Tool #55400
55353	3/8" Kerf cutters (2 required) for Tool #55401
47612	1/2" Shank arbor with nut for Tool #55400
47613	1/2" Shank arbor with nut for Tool #55401
47708	Ball bearing guide (2 required)
55356	.05mm Shims (3 required)
55357	.10mm Shims (3 required)
55402	1.00mm Black washer
55368	6.00mm Steel spacer

WEDGE TONGUE & GROOVE

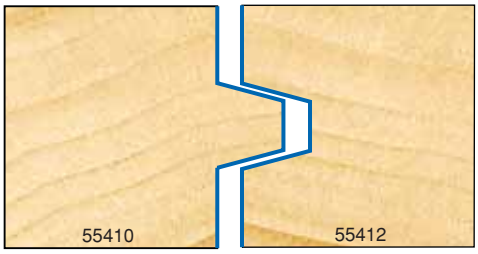
2 FLUTE

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	Tool No.	B1	Ød	L	Description
1-1/4	9/16	15°	1-1/4	55410	1/4	1/2	2-3/4	Wedge groove
1-1/4	9/16	15°	1-1/4	55412	7/16	1/2	2-3/4	Wedge tongue
Complete Wedge T & G (2 piece set)				55414				

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

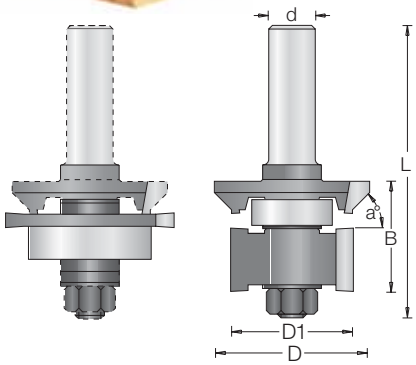


BEAD AND 'V' PANELING ASSEMBLY WITH BALL BEARING GUIDE

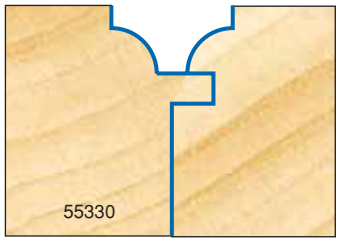
2-WING

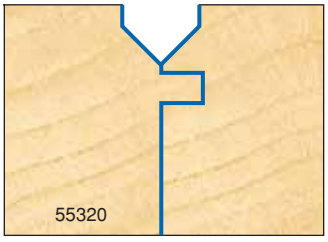
These assemblies are designed to cut tongue & groove joinery for solid wood paneling. Two patterns, a 1/4" bead (#55330) or a 45° 'V' (#55320), are available individually or as a set. Each assembly comprises a profile cutter, a rabbet cutter and a groove cutter, two different-size bearings, a 1/2" shank 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.

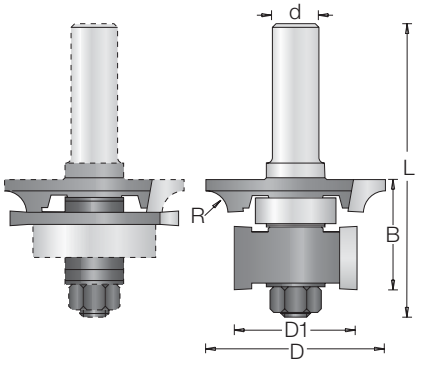
Use in a table-mounted router. Not for use in a handheld router!



ØD	ØD1	R	a°	Tool No.	B	Ød	L	Type
1-13/16	1-5/16	–	45°	**55320**	1/2 – 1-3/16	1/2	3-1/8	'V'
1-15/16	1-5/16	1/4	–	**55330**	1/2 – 1-3/16	1/2	3-1/8	Bead
Both 90° 'V' & 1/4" Radius 'Bead' Paneling Set.				**55325**				



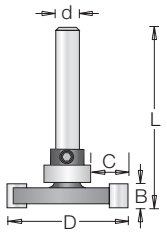




FLOORING FOR "UNDERCUTTING"

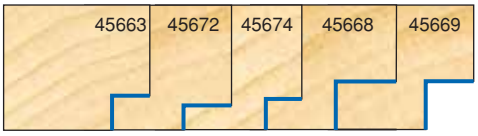
2 FLUTE • STRAIGHT DEDICATED CUTTER W/CHANGEABLE BEARINGS

These bits are designed for slotting wood flooring, inlays and medallions.



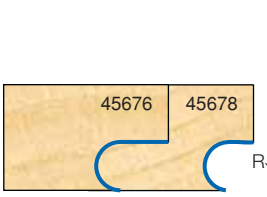
45668

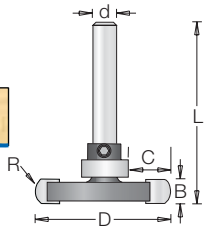
ØD	C	B	Tool No.	Ød	L	Replacement Bearing	Replacement Collar
.894	5.0mm	4.5mm	**45663**	1/4	2-1/4	47701	47724
1-1/4	3/8	1/4	**45668**	1/4	1-7/8	47701	47724
1-1/4	1/4	1/4	**45669**	1/4	1-7/8	47712	47724
1-1/8	1/4	1/8	**45672**	1/4	1-7/8	47712	47724
1-1/4	3/16	5/32	**45674**	1/4	1-7/8	47708	47724



FLOORING

2 FLUTE • ROUNDED DEDICATED CUTTER W/CHANGEABLE BEARINGS





45676

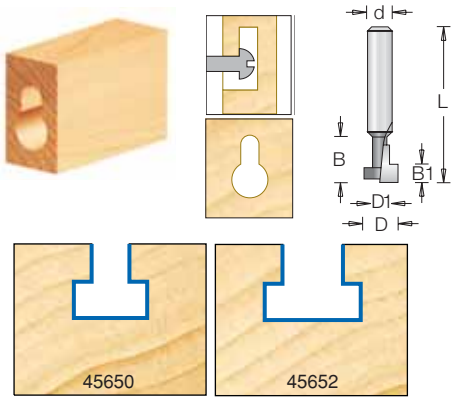
ØD	R	C	B	Tool No.	Ød	L	Replacement Bearing	Replacement Collar
1-1/4	1/8	3/8	1/4	**45676**	1/4	1-7/8	47701	47724
1-1/4	1/8	5/16	1/4	**45678**	1/4	1-7/8	47712	47724

Note: See page 22 for upper bearing bits used in flooring industry.
For medallion inserts (#45481, 45460-S, 45462-S, 45464-S).

KEYHOLE

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. Use in a handheld plunge router.



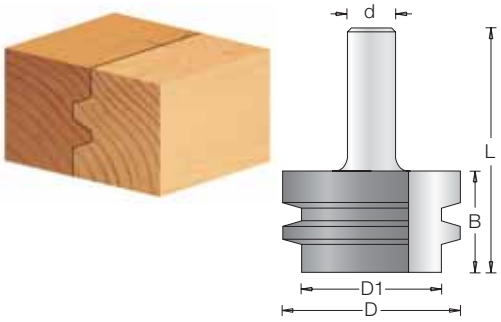
ØD	ØD1	B	Tool No.	B1	Ød	L
3/8	13/64	3/8	**45650**	3/16	1/4	1-1/2
1/2	5/16	3/8	**45652**	3/16	1/4	1-1/2

GLUE JOINT

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. Bit works on 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.

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



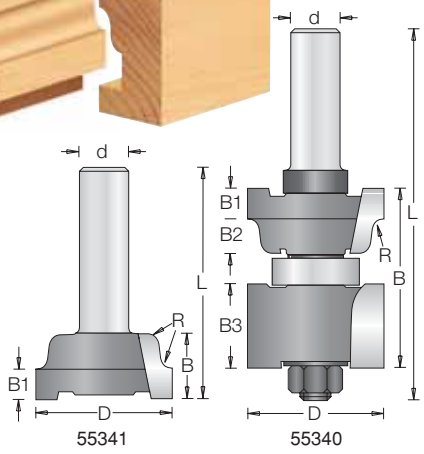
ØD	ØD1	B	Tool No.	Ød	L
1-7/8	1-7/16	1-3/32	**55388**	1/2	2-5/8

OGEE WINDOW SASH & RAIL

2-WING 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.

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



ØD	R	'A' Reveal	B	Tool No	B1	B2	B3	Ød	L
1-3/8	1/8	1/4	1-13/16	**55340**	5/16	5/8	7/8	1/2	3-3/4
1-3/8	1/8	—	21/32	**55341**	5/16	—	—	1/2	2-18

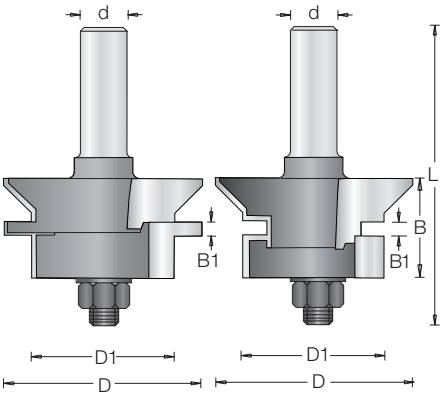
Each Ogee Window Sash & Rail Cutter includes
FULL COLOR INSTRUCTION MANUAL
LEARN STEP BY STEP WITH MASTER CRAFTSMAN LONNIE BIRD

ADJUSTABLE 'V' PANEL SET

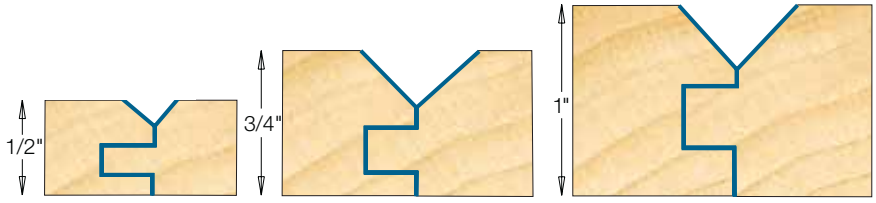
2-WING

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.

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



ØD	ØD1	B	Tool No.	B1	Ød	L
1-11/64	1-37/64	1-1/8	**55346**	5/32-5/16	1/2	3-3/8

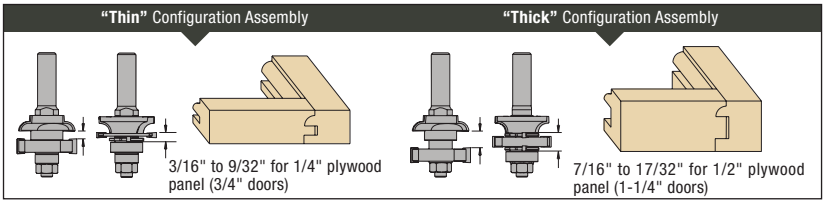


Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

instile™ & RAIL SYSTEM

New STYLES

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 & 1 for rail cuts & shims).

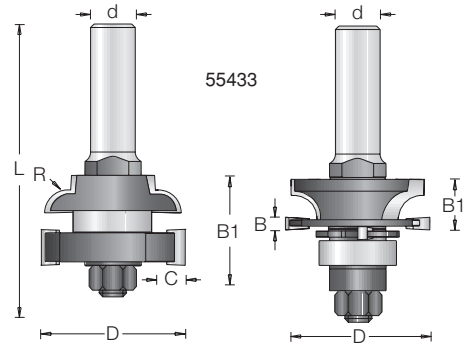
Each Instile & Rail System™ includes
FULL COLOR INSTRUCTION MANUAL
LEARN STEP BY STEP WITH MASTER CRAFTSMAN LONNIE BIRD

MISSION STYLE

FLAT PANEL CABINET DOOR MAKING ROUTER BIT SET

PATENT PENDING

The perfect fix for undersized plywood flat panel "Mission Style" cabinet doors.



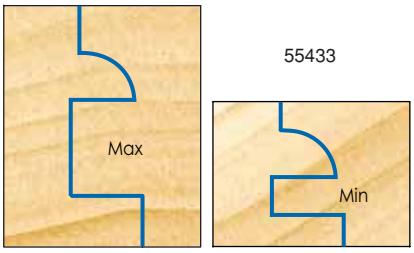
5/8" - 1-1/4" MATERIAL

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.

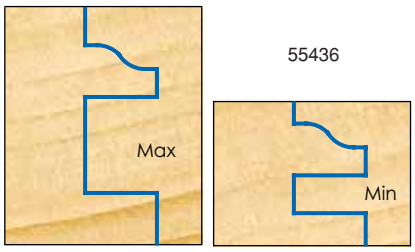
	ØD	R	a°	B	B1	Tool No.	C	Ød	L	Type
	1-5/8	5/32	—	11/16	5/8 - 1-1/4	**55433**	3/8	1/2	3-11/32	Concave
	1-5/8	1/4	—	11/16	5/8 - 1-1/4	**55436**	3/8	1/2	3-11/32	Ogee
	1-5/8	3/16	—	11/16	5/8 - 1-1/4	**55437**	3/8	1/2	3-11/32	Bead
New	1-5/8	—	—	11/16	5/8 - 1-1/4	**55438**	3/8	1/2	3-11/32	Mission - Straight
New	1-7/8	—	—	11/16	5/8 - 1-1/4	**55439**	**1/2**	1/2	3-11/32	Mission - Straight
New	1-7/8	—	18°	11/16	5/8 - 1-1/4	**55432**	**1/2**	1/2	3-11/32	Straight with Bevel

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

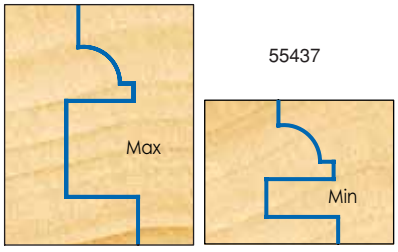
Concave / Convex



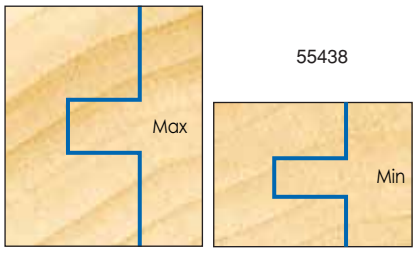
Ogee



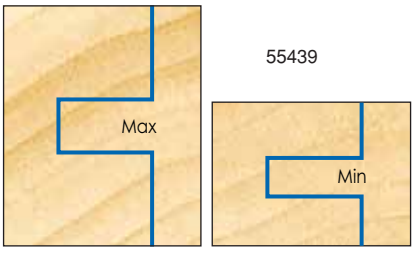
Bead



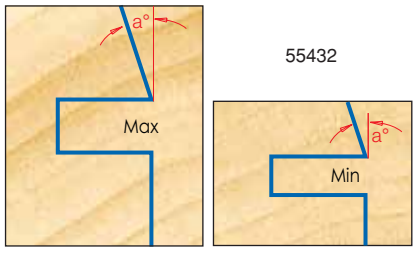
Mission (Arts & Crafts)



Mission (Arts & Crafts)



Straight with Bevel (Shaker)



Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

Amana Tool®

2-PIECE STILE & RAIL SETS WITH BALL BEARING GUIDE

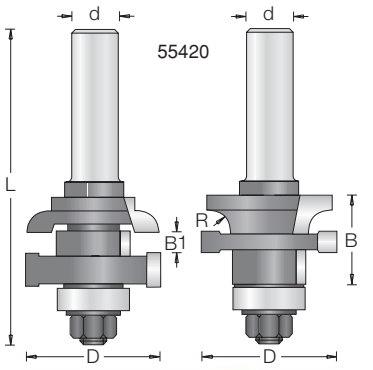
2-WING

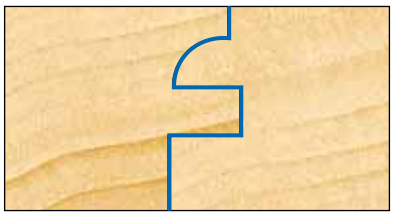
Our stile and rail sets give you two complete bits, one for doing the rail cuts, one for the stiles. Make cabinet doors and all varieties of frame-and-panel assemblies for furniture and architectural applications. These sets are offered in two configurations, one for working material up to 1" thick, the other for material between 5/8" and 7/8" in thickness. The same three profiles are available in either configuration.

3/4" TO 1" MATERIAL

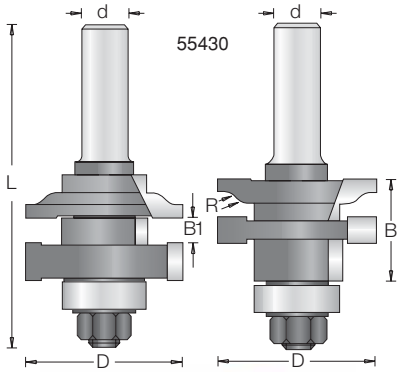
In addition to the components provided with sets of the first type, these sets include two trim cutters for stock 7/8" through 1" in thickness. (These trim cutters can be removed for making bearing-guided cuts on stock under 7/8" thick.) Use in a table-mounted router. Guide straight cuts with the fence, 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.

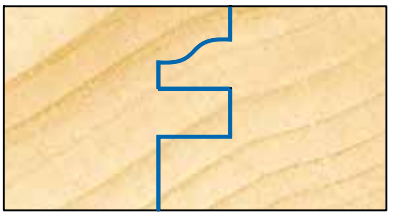
CONCAVE/CONVEX



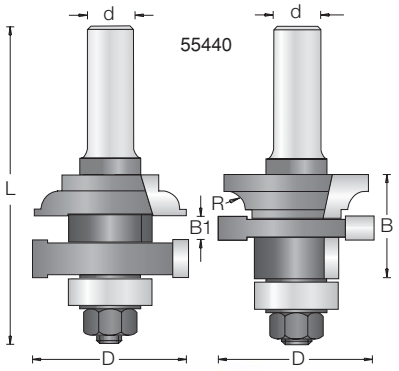


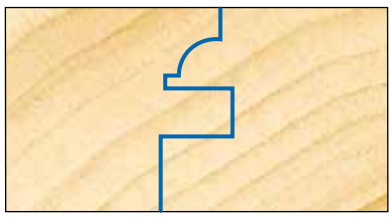
OGEE





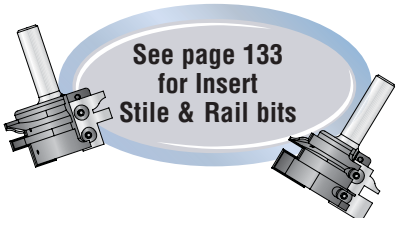
BEAD





3/4" to 1" MATERIALS

ØD	R	B	Tool No.	B1	Ød	L	Type
1-5/8	1/4	1-1/16	**55420**	1/4	1/2	3-5/16	Concave
1-5/8	1/4	1-1/16	**55430**	1/4	1/2	3-5/16	Ogee
1-5/8	3/16	1-1/16	**55440**	1/4	1/2	3-5/16	Bead



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

Individual Components:		Qty. Required for Tool No.		
Order #	Description	55420	55430	55440
55422	Concave Profile Cutter	1	—	—
55424	Concave Cope Cutter	1	—	—
55352	Ogee Profile Cutter	—	1	—
55434	Ogee Cope Cutter	—	1	1
55442	Bead Profile Cutter	—	—	1
55444	Bead Cope Cutter	—	—	1
55354	.250" Groove Cutter	1	1	1
55448	.300" Trim Cutter (.865" dia.)	1	1	1
55450	.433" Trim Cutter (.865" dia.)	1	1	1
55452	.400" Rabbet Cutter (1.615" dia.)	1	1	1
47708	.865" Ball Bearing	2	2	2
47622	1/2" Shank Arbor with Nut	2	2	2
55356	.002" Shims	4	4	4
55402	.040" Shims	4	4	4
55357	.004" Shims	4	4	4
55367	3.6 mm Spacers	4	4	4

Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

2-PIECE STILE & RAIL SETS WITH BALL BEARING GUIDE

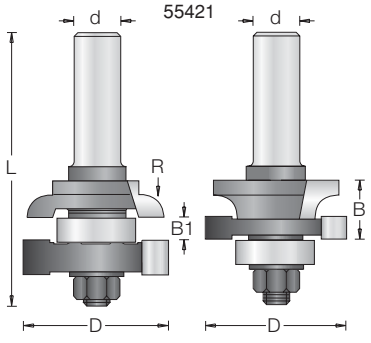
2-WING

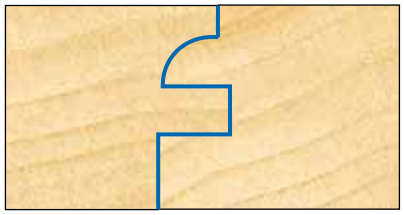
Our stile and rail sets give you two complete bits, one for doing the rail cuts, one for the stiles. Make cabinet doors and all varieties of frame-and-panel assemblies for furniture and architectural applications. The same three profiles are available in either configuration.

3/4" MATERIAL

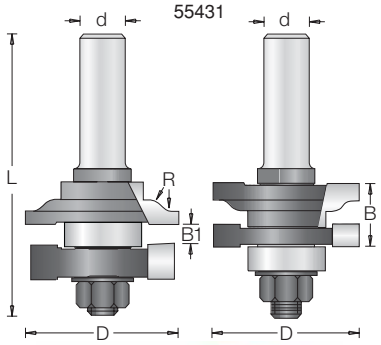
Bits in this set have profile and groove or rabbet cutters and ball-bearing guide mounted on a 1/2" shank. Respacing of the components should only be necessary – using the provided shims – after the cutters have been resharpened. Use in a table-mounted router. Guide straight cuts with the fence; use the pilot bearing only for cuts on curved rails or stiles.

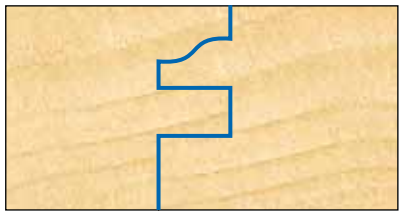
CONCAVE/CONVEX 55421



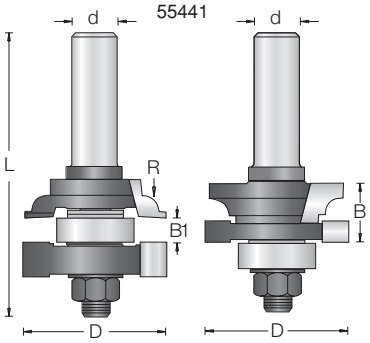


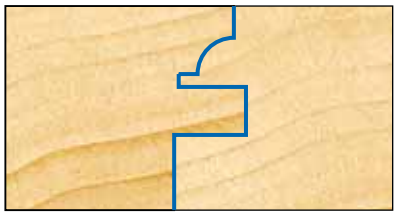
OGEE 55431



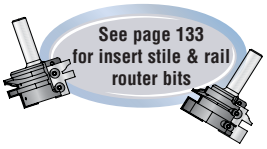


BEAD 55441





ØD	R	B	Tool No.	B1	Ød	L	Type
1-5/8	1/4	11/16	**55421**	1/4	1/2	3-1/8	Concave
1-5/8	1/4	11/16	**55431**	1/4	1/2	3-1/8	Ogee
1-5/8	3/16	11/16	**55441**	1/4	1/2	3-1/8	Bead



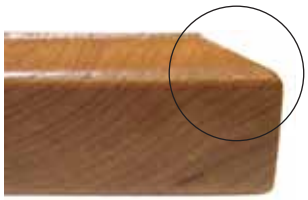
Use in a table-mounted router. Not for use in a handheld router!

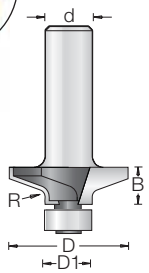
Complete listing of replacement parts can be found online at www.amanatool.com.

CABINET DOOR EDGE New

2-WING

Cuts a decorative edge on door cabinet fronts. Shallow design will also work well with European hinges.





ØD	ØD1	R	Tool No.	B	Ød	L
1-1/4	1/2	5/64	**49530**	3/8	1/2	1-7/8

See page 137 for insert cabinet door edge router bits.

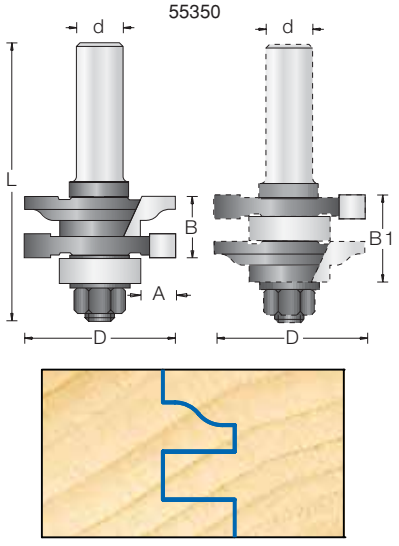
REVERSIBLE STILE & RAIL ASSEMBLIES WITH BALL BEARING GUIDE

2-WING

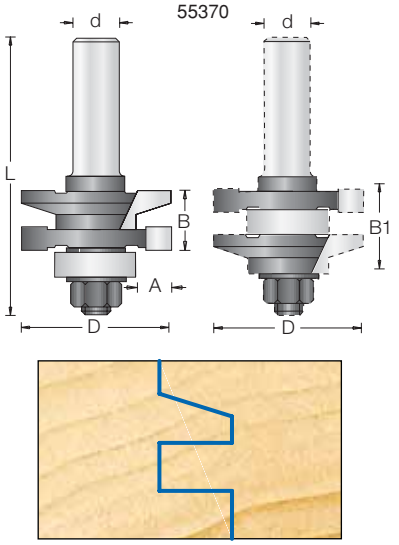
Cut both the stiles and rails with a single economical assembly. Switch from the stile cut to the rail cut simply by rearranging the cutters and bearing on the arbor. Because the profile and the cope are cut with the same cutter, you get a perfect fit. The assembly order for each setup is shown in the 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.

3/4" MATERIAL

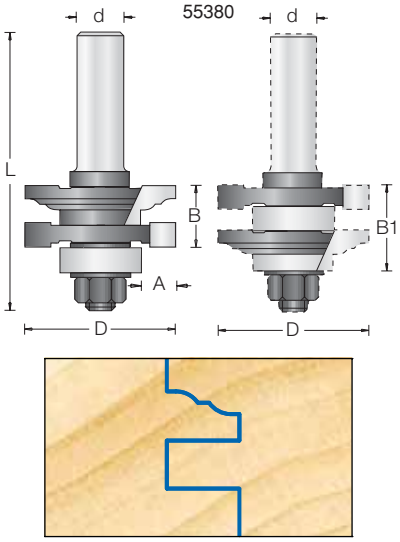
OGEE 55350



TRADITIONAL 55370



CLASSICAL 55380



ØD	Pattern Type	'A' Reveal	Tool No.	B	B1	Ød	L
1-5/8	Ogee	3/8	**55350**	11/16	7/8	1/2	3
1-5/8	Traditional	3/8	**55370**	11/16	7/8	1/2	3
1-5/8	Classical	3/8	**55380**	11/16	7/8	1/2	3

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

Amana Tool® Set #AMS-250 contains all three stile & rail products plus tongue & groove cutting.

NOTE: Stile & Rail assemblies can be used on 5/8" through 7/8" material. Tongue & Groove can be used on 1/2" through 3/4" material.

Complete listing of replacement parts can be found online at www.amanatool.com.

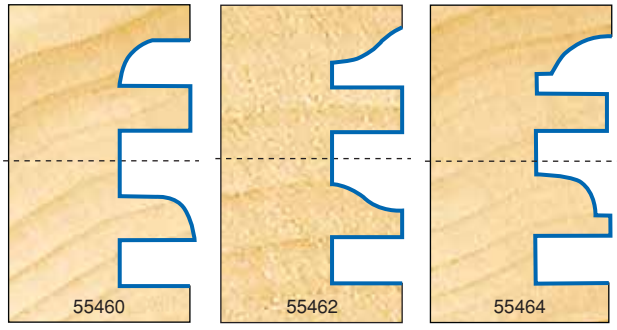
ONE PIECE STILE & RAIL

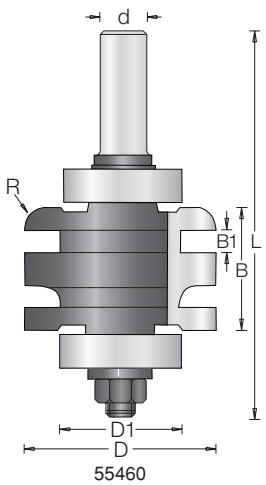
These one piece stile & rail bits are an easy and effective technique for creating cabinet door frames. You simply adjust the height of the bit accordingly in the router table to cut the profile cut (with bit lowered in the table) and the cope cut (with bit raised in the table).

ØD	ØD1	R	B	Tool No.	B1	Ød	L
2	1-1/4	7/32	1-9/32	**55460**	15/64	1/2	4-3/32
2	1-1/4	7/32	1-9/32	**55462**	15/64	1/2	4-3/32
2	1-1/4	9/32	1-9/32	**55464**	15/64	1/2	4-3/32

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

Replacement bearing #47744 (2 required)
Replacement nut #67131
Replacement washer #67125



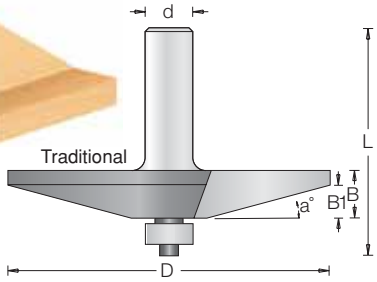


Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

RAISED PANEL WITH BALL BEARING GUIDE

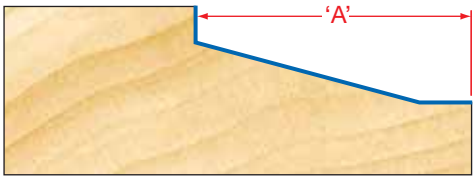
2 FLUTE

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.



	ØD	*'A' Reveal	a°	Tool No.	B	B1	Ød	L
14	3-3/8	*1-7/16	15°	**54117**	1/2	5/16	1/2	2-3/8

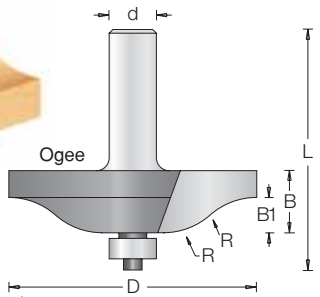
Replacement bearing #47706.



Use in a table-mounted router. Not for use in a hand held router!

RAISED PANEL WITH BALL BEARING GUIDE

2 FLUTE

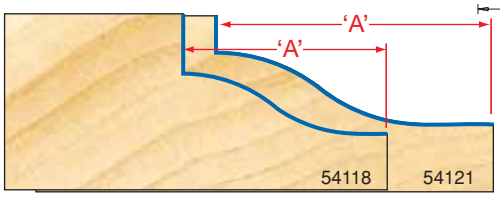


	ØD	*'A' Reveal	R	Tool No.	B	B1	Ød	L
20	2-5/8	*1-1/16	3/4	**54118**	5/8	5/16	1/2	2-1/2
14	3-3/8	*1-7/16	7/8	**54121**	9/16	3/8	1/2	2-1/2

Replacement bearing #47706.

Use in a table-mounted router. Not for use in a hand held router!

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.



See page 134 for insert raised panel router bits

⚠ **WARNING:** Maximum RPM 14 = 14,000, Maximum RPM 20 = 20,000.

Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

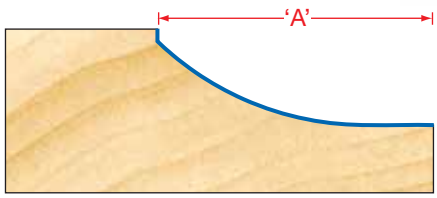
Amana Tool®

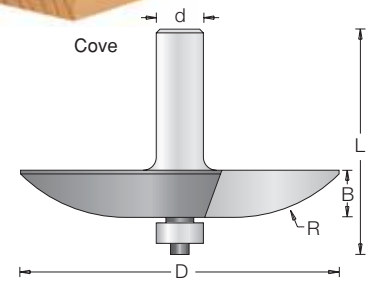
RAISED PANEL

ØD	*'A' Reveal	R	Tool No.	B	Ød	L
3-3/8	*1-7/16	1-9/16	**54119**	1/2	1/2	2-3/8

Replacement bearing #47706.

Use in a table-mounted router. Not for use in a hand held router!



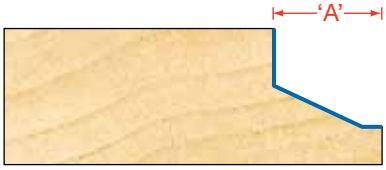


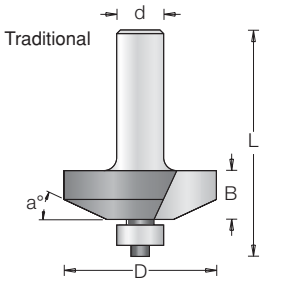
2 FLUTE WITH BALL BEARING GUIDE

ØD	*'A' Reveal	a°	Tool No.	B	Ød	L
1-5/8	*9/16	25°	**54116**	1/2	1/2	2-3/8

Replacement bearing #47706.

Use in a table-mounted router. Not for use in a hand held router!

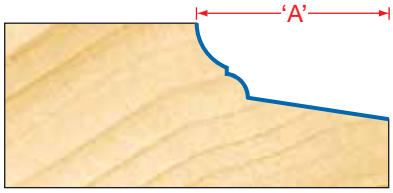


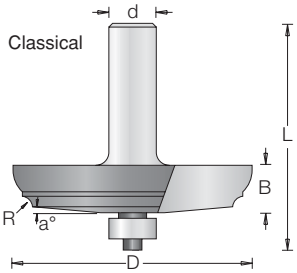


ØD	*'A' Reveal	a°	Tool No.	R	B	Ød	L
2-1/2	*1	5°	**54115**	1/8	1/2	1/2	2-3/8

Replacement bearing #47706.

Use in a table-mounted router. Not for use in a hand held router!





Building a Raised Panel Door with Lonnie Bird - #DVD-01-07

Master craftsman Lonnie Bird demonstrates the steps to construct a raised panel cabinet door using Amana Tool® router bits. All the important topics are covered including: Types of router bits, Stock preparation, Shaping the cope, Routing the profile, Shaping the panel and Assembly & Safety tips.
To order online - http://www.amanatool.com/Lonnie_Bird.html

RAISED PANEL BACK CUTTER

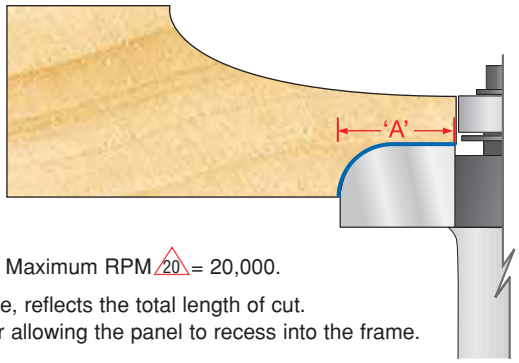
New

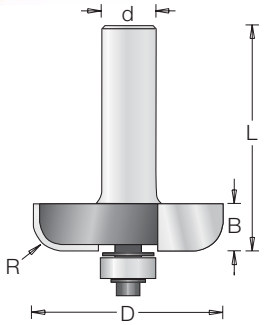
Designed to cut back side of raised panels for a flush alignment with door frames. This cutter can be used with any of our raised panel router bits found on pages 90, 91 and 93.

ØD	*'A' Reveal	R	Tool No.	B	Ød	L
1-3/4	5/8	1/4	**54278**	7/16	1/2	2-1/16

Replacement bearing #47706.

Use in a table-mounted router. Not for use in a hand held router!





⚠ **WARNING:** Maximum RPM 14 = 14,000, Maximum RPM 20 = 20,000.

***NOTE:** Reveal ('A') on all tools shown above, reflects the total length of cut. Therefore, you must deduct 3/8" (usually) for allowing the panel to recess into the frame.

Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size. For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

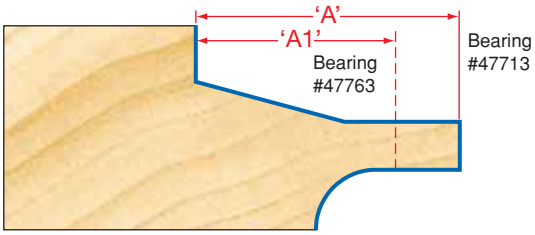
RAISED PANEL WITH BACK CUTTER

2 FLUTE WITH BALL BEARING GUIDE

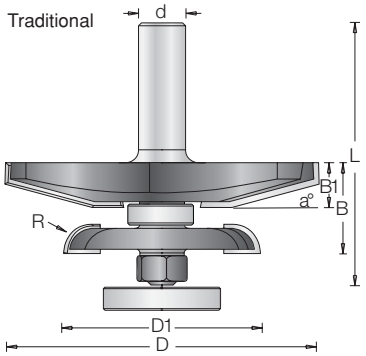
Raised panels fit standard panel grooves, even when the panel thickness exceeds 5/8". As the main cutter raises the front of the panel, the back cutter mills the back to produce a standard-thickness tongue around the panel. Each tool is supplied with two different guide bearings, enabling you to stage 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.

	ØD	ØD1	*'A' Reveal	**'A1'	a°	Tool No.	R	B	B1	Ød	L
12	3-3/8	2-1/8	1-3/8	1-1/16	15°	**54227**	5/16	1-1/16	1/2	1/2	2-15/16

Replacement bearing #47713 (8MM x 16MM) and #47763 (8MM x 1-1/4").
Back Cutter #55435 =1/4" Kerf; 5/16" Radius Cutter.

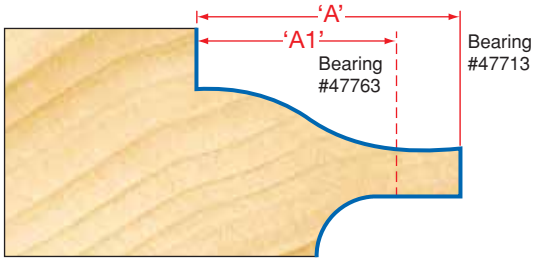


Traditional

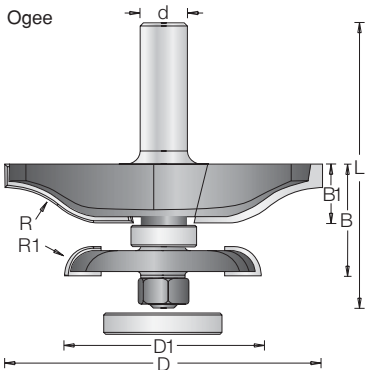


	ØD	ØD1	*'A' Reveal	**'A1'	R	Tool No.	R1	B	B1	Ød	L
12	3-3/8	2-1/8	1-3/8	1-1/16	7/8	**54221**	5/16	1-3/16	5/8	1/2	3-1/16

Replacement bearing #47713 (8MM x 16MM) and #47763 (8MM x 1-1/4").
Back Cutter #55435 =1/4" Kerf; 5/16" Radius Cutter.

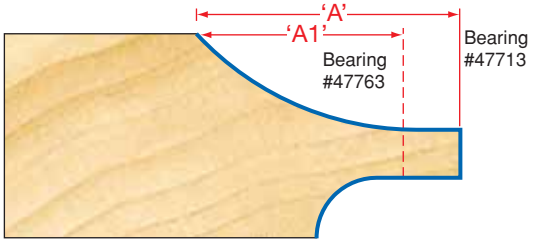


Ogee

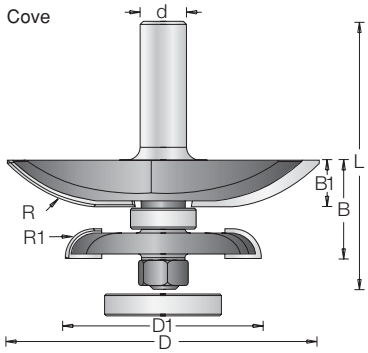


	ØD	ØD1	*'A' Reveal	**'A1'	R	Tool No.	R1	B	B1	Ød	L
12	3-3/8	2-1/8	1-3/8	1-1/16	1-9/16	**54229**	5/16	1-1/16	1/2	1/2	2-15/16

Replacement bearing #47713 (8MM x 16MM) and #47763 (8MM x 1-1/4").
Back Cutter #55435 =1/4" Kerf; 5/16" Radius Cutter.



Cove

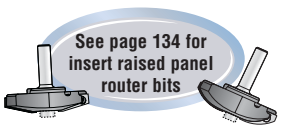


Use in a table-mounted router. Not for use in a handheld router!

⚠ **WARNING:** Maximum RPM 12 =12,000

***NOTE:** Reveal ('A') on all tools shown above, reflects the total length of cut. Therefore, you must deduct 3/8" (usually) for allowing the panel to recess into the frame.

****NOTE:** To receive ('A1') use bearing #47713. Bearing included with tool.



Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

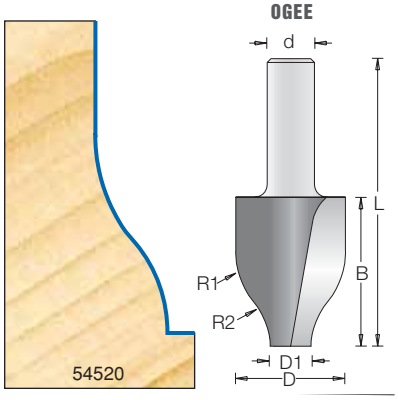
VERTICAL RAISED PANEL

2 FLUTE

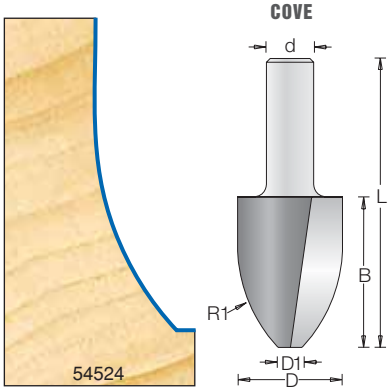
Raised panels with a low-horsepower, fixed speed router using these patented VERTICAL raised panel bits. You must do the work on a router table, with the work on edge, braced against the fence. Arched or curved shapes (i.e.: “cathedral” door panels) cannot be routed. To prolong tool life and get the best cut finish, several passes are recommended.

ØD	ØD1	B	a°	R1	Tool No.	R2	R3	Ød	L	Type
1-3/16	7/16	1-5/8	—	7/8	**54520**	23/32	—	1/2	3-1/8	Ogee
1-1/8	9/32	1-5/8	—	1-9/16	**54524**	—	—	1/2	3-1/8	Cove
1-3/16	3/16	1-5/8	—	7/8	**54528**	23/32	1/8	1/2	3-1/8	Ogee w/Bead
1-1/8	19/32	1-5/8	15°	—	**54532**	—	—	1/2	3-1/8	Traditional
1-3/16	1/4	1-5/8	45°	7/8	**54536**	23/32	—	1/2	3-1/8	Ogee w/Chamfer
1	—	1-5/8	5°	1/8	**54540**	5/16	—	1/2	3-1/8	Cove w/Bead

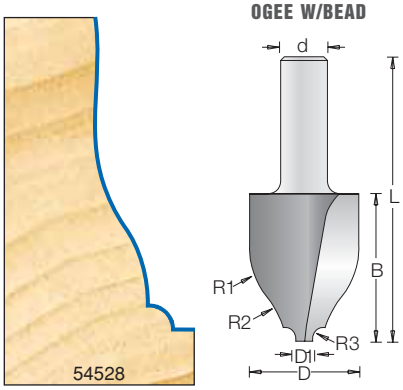
OGEE



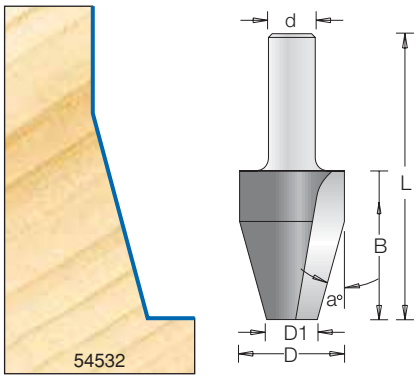
COVE



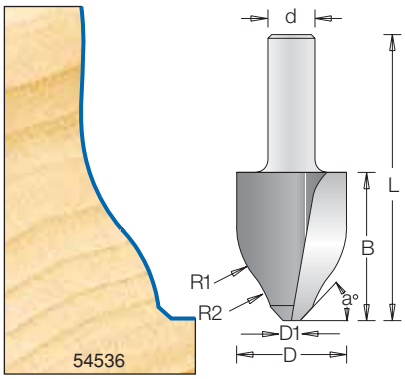
OGEE W/BEAD



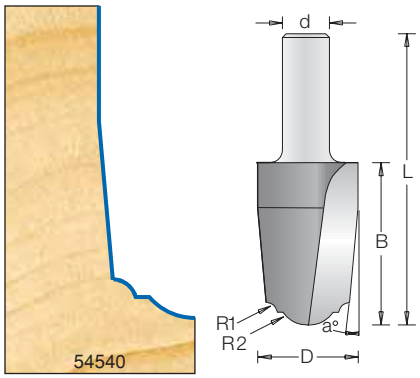
TRADITIONAL



OGEE W/CHAMFER

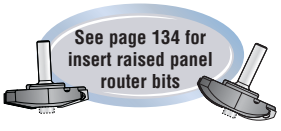


COVE W/BEAD



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

See page 134 for insert raised panel router bits

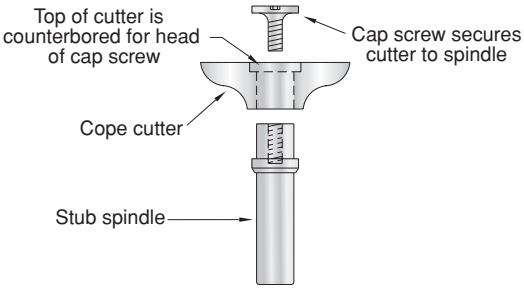


Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

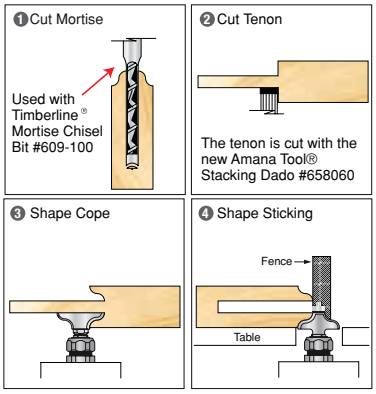
Router Bits

New

STUB SPINDLE & COPE CUTTER DOOR SYSTEM



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



Each Stub Spindle & Cope Cutter includes
FULL COLOR INSTRUCTION MANUAL
LEARN STEP BY STEP WITH MASTER CRAFTSMAN LONNIE BIRD

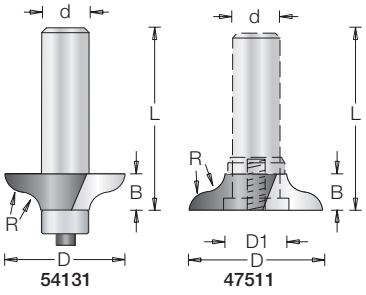
Want the beauty of traditional cope and stick doors with the strength and longevity of true mortise-and-tenon joinery? Our newest design ***allows you to make beautiful doors with tenons of any length you choose.***
This unique door-making system utilizes a "stub" spindle & cope cutter arrangement. The 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. This set is for making 1-3/4" thick entry doors with an ogee sticking. For use only in a table-mounted router.

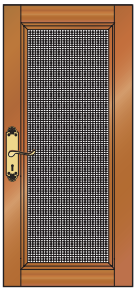
ENTRY DOOR BITS

2 FLUTE • 1-3/4" MATERIAL

ØD	ØD1	B	R	Tool No.	Ød	L	Type
2	3/4	5/8	11/32	**47511**	1/2	2	Cope Cutter w/stub spindle
1-3/4	–	11/16	11/32	**54131**	1/2	2-3/16	Ogee Bit

Replacement Parts:
Cope cutter #47510 • Stub spindle with screw #47617
Screw for stub spindle #67012 • Ball bearing #47706



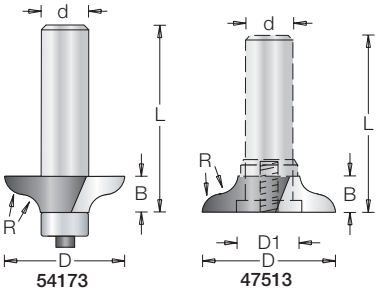


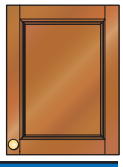
SCREEN DOOR BITS

2 FLUTE • 1-3/4" MATERIAL

ØD	ØD1	B	R	Tool No.	Ød	L	Type
1-1/2	3/4	3/8	7/32	**47513**	1/2	2	Cope Cutter w/stub spindle
1-1/4	–	3/8	7/32	**54173**	1/2	1-7/16	Ogee Bit

Replacement Parts:
Cope cutter #47512 • Stub spindle with screw: #47617
Screw for stub spindle: #67012 • Ball bearing #47706



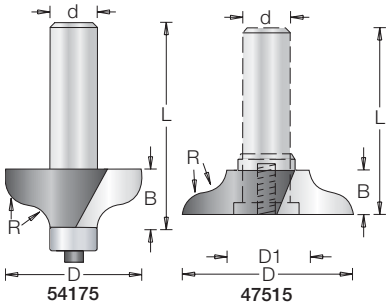


CABINET DOOR BITS

2 FLUTE • 1-3/4" MATERIAL

ØD	ØD1	B	R	Tool No.	Ød	L	Type
1-5/8	3/4	15/32	1/4	**47515**	1/2	2	Cope Cutter w/stub spindle
1-3/8	–	15/32	1/4	**54175**	1/2	1-31/32	Ogee Bit

Replacement Parts:
Cope cutter #47514 • Stub spindle with screw: #47617
Screw for stub spindle: #67012 • Ball bearing #47706



Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.

Amana Tool®

Lonnie Bird New

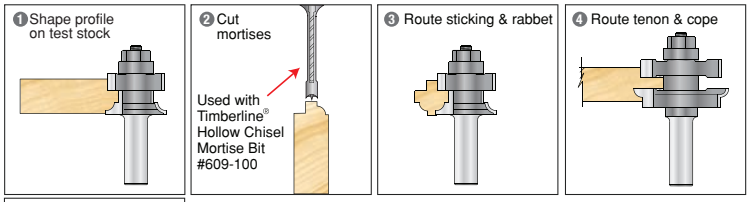
DIVIDED LIGHT DOOR BIT SET

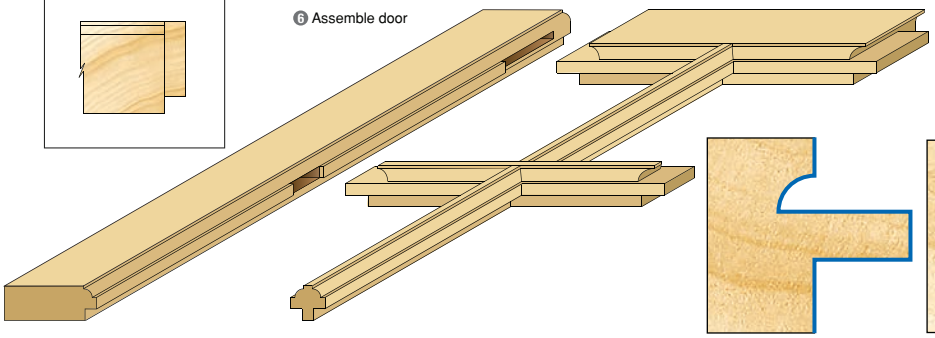
2 FLUTE • 3/4" TO 7/8" MATERIAL

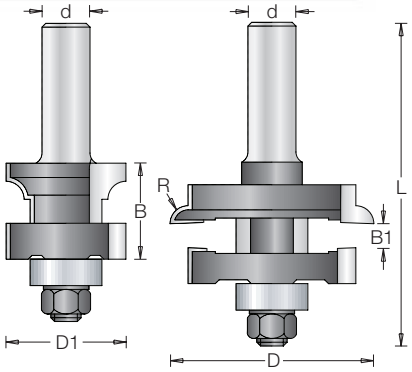
If you've wanted to construct true divided light doors for fine furniture and cabinets, look no further. Amana Tool®'s divided light door set enables you to make strong, attractive divided light doors with real mortise-and-tenon joints. The first bit shapes the decorative sticking along with a rabbet for the glass. The second bit cuts the cope and the tenon. Once assembled, all of the door frame parts, stiles, rails, **muntins and mullions**, interlock with 3/4" long tenons. Mullions are 3/4" wide.

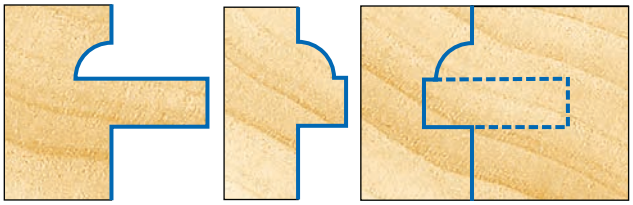
ØD	ØD1	B	B1	Tool No.	R	Ød	L
2-1/8	1-1/4	1	1/4	**55360**	3/16	1/2	3-1/8

Replacement Bearing #47759.









Lonnie Bird New

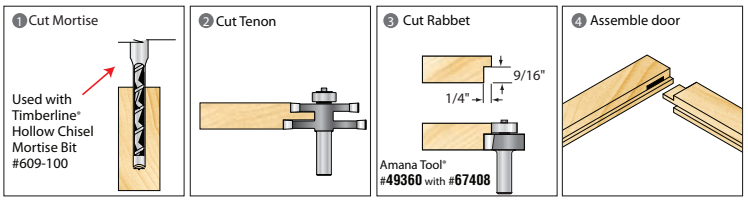
OFFSET MORTISE-AND-TENON BIT FOR MISSION STYLE GLASS DOOR

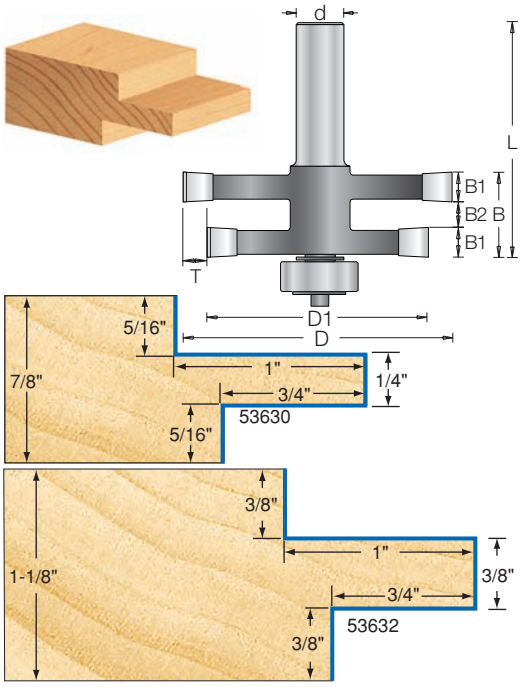
2 FLUTE • 7/8" TO 1-1/8" MATERIAL

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	Tool No.	B2	T	Ød	L
2-7/8	2-3/8	7/8	5/16	**53630**	1/4	1/4	1/2	2-3/8
2-7/8	2-3/8	1-1/8	3/8	**53632**	3/8	1/4	1/2	2-5/8

Replacement Bearing #47708; Screw #67090; Key #5004.





Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

DEEP MORTISE AND LONG TENON CABINET DOORS

Deep mortise-and-tenon joinery will add to the strength of a cabinet door by increasing the glue surface area. To cut the mortises, use plunge router and Amana Tool® straight plunge bit #45414 (p.94).

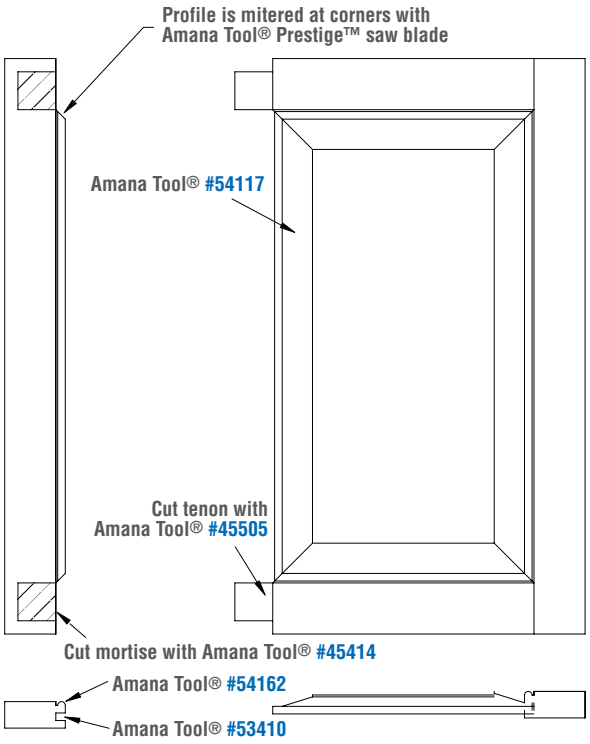
A common method for cutting tenons is with a tablesaw and a stacking dado head #658030 (p.209). Another option is to cut the tenon with a router table and mortising router bit #45505 (p.17). With either method, use the miter gauge to guide the stock along with the fence to control the tenon length.

When constructing a door with mortise-and-tenon joinery you have a number of different design options. For example, you can choose to shape a decorative "sticking" profile along the inside edges of the door frame. The sticking can be cut with any number of profile bits such as Amana Tool® #49510 (p.45) corner rounding router bit or #54170 (p.56) beading router bit. Where the profiles intersect in the corners of the frame, cut a miter on the stiles and rails with the Prestige™ PR1040 (p.190) saw blade on a tablesaw. Mitering the profile also allows you to use profiles that cannot be coped, such as the bead in the photo. Of course you can omit the sticking for a simple Mission Style door.

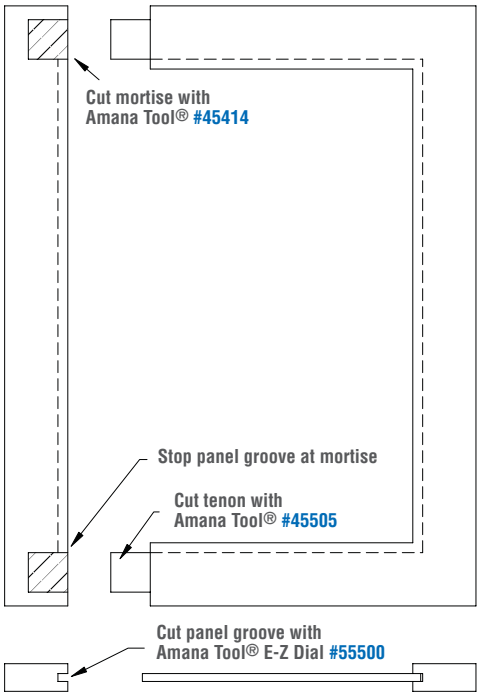
To cut the panel groove first decide what type of panel and panel material that you'll be using. There are a number of different raised panel profiles such as #54119 (p.93) and #54117 (p.92). To cut the 1/4" frame groove for the panel you can use Amana Tool® #53410 (p.78).

The E-Z Dial Slot Cutter #55500 (p.78) will allow you to cut an undersized groove for a plywood door panel. Most plywood is undersized and the E-Z Dial adjusts in increments of .004" so you can achieve a perfect fit.

Door with Metering Stick



Mission Door with Mortise & Tenon



Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

Lonnie Bird New

TAMBOUR DOOR ROUTER BIT SET

Patent Pending

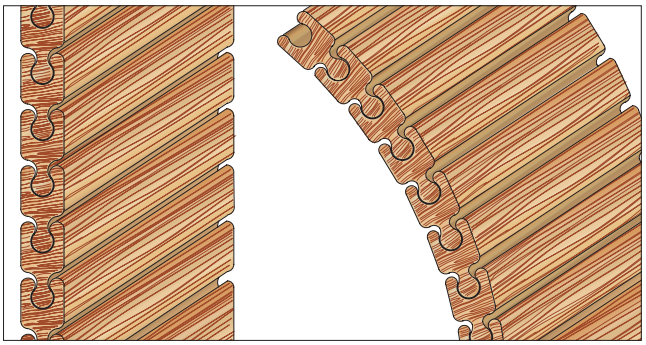
Lonnie Bird's **Tambour Door Bits** - requires no cloth or wires.

This two-piece router bit set is designed for creating tambours without the need for wires, canvas or glue. The unique design shapes slats that interlock. 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, or kitchen countertop storage areas.

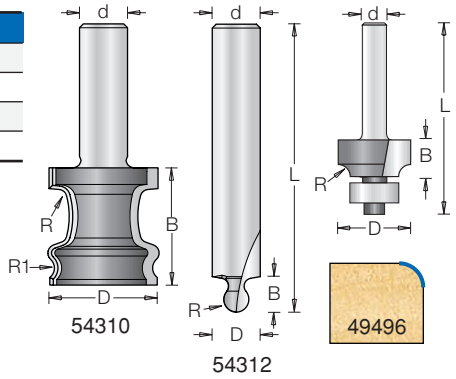
Each slat measures approximately 1/2" x 1".
For use only in a table-mounted router.

Each Tambour Door Cutter set includes
FULL COLOR INSTRUCTION MANUAL
LEARN STEP BY STEP WITH MASTER CRAFTSMAN LONNIE BIRD

ØD	R	R1	Tool No.	B	Ød	L
Complete 3 Piece Set			**54314**			
13/16	1/8	5/64	**54310**	13/32	1/2	2-3/4
1/2	5/64	—	**54312**	3/8	1/2	3
3/4	1/8	—	**49496**	3/8	1/4	2



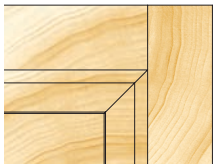
Use in a table-mounted router.
Not for use in a handheld router!



Lonnie Bird

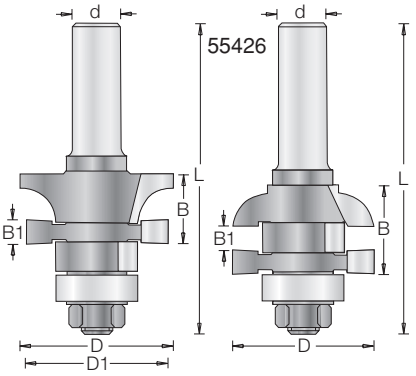
HISTORICAL SHAKER DOOR New

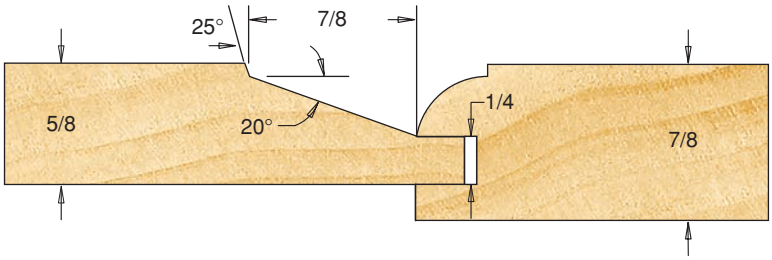
1/2" SHANK

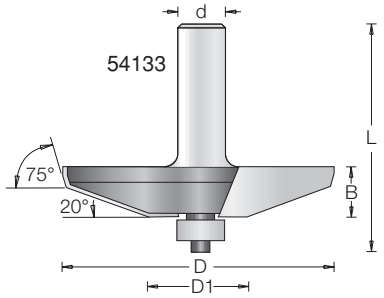


If you'd like to reproduce exact Shaker details on your next project, we've got the bits that you need. This Shaker door set creates a short, steep 20 degree beveled panel edge just like doors on Shaker originals. A simple thumbnail profile along the inside edges of the frame duplicates the original profile to complete the authentic look.

ØD	D1	B	B1	Tool No.	Ød	L	Type
2-13/16	1	7/8	—	**54133**	1/2	2-1/64	Raised Panel
1-5/8	1-1/2	7/8	1/4	**55426**	1/2	3-1/2	2 Piece Set







Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

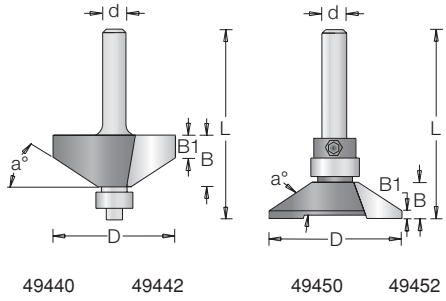
PROFILE SETS FOR GLASS DOORS, WINDOW, PANELING AND MANY OTHER JOINERY APPLICATIONS

2 FLUTE WITH BALL BEARING GUIDES • 1/4" SHANK

Install glass with trim.

Our Profile Cutters are a unique and versatile series that can be used for general profile routing, glass doors and windows, 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. These 1/4" shank bits will fit any router. All are equipped with ball bearing guides, either on the tip or on the shank.

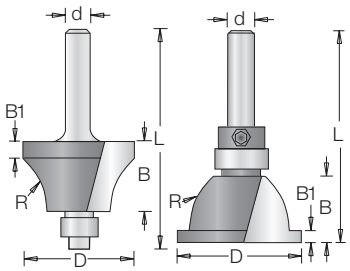
BEVEL SET



49440 49442 49450 49452

Set No. 49443 | Set No. 49453

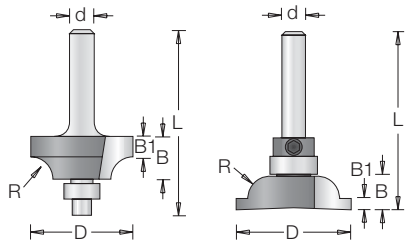
GLASS DOOR SET



49650 49652

Set No. 49653

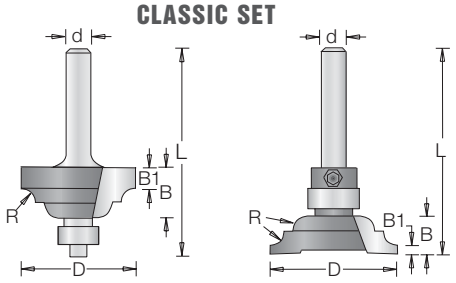
BEAD SET



49640 49642 49644 49646

Set No. 49643 | Set No. 49647

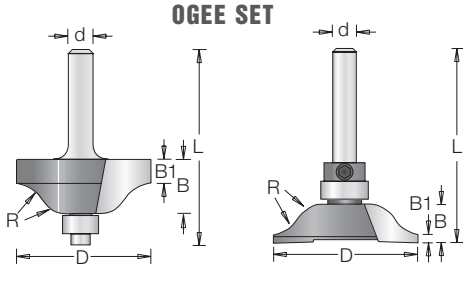
CLASSIC SET



49670 49672 49674 49676

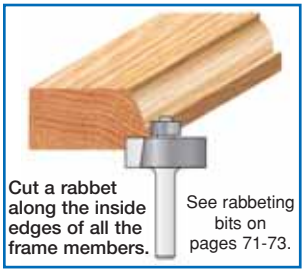
Set No. 49673 | Set No. 49677

OGEE SET



49660 49662 49664 49666

Set No. 49663 | Set No. 49667



Cut a rabbet along the inside edges of all the frame members.

See rabbeting bits on pages 71-73.

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

Individual Cutters:

ØD	R	a°	B	Tool No.	B1	Ød	L	Type
1-5/16	–	33°	1/2	**49440**	9/32	1/4	2	Bevel Stile
1-1/2	–	33°	3/8	**49442**	3/32	1/4	2	Bevel Rail
1-1/2	–	32°	5/8	**49450**	17/64	1/4	2	Bevel Stile
1-11/16	–	32°	1/2	**49452**	7/64	1/4	2	Bevel Rail
1-1/8	1/4	–	3/8	**49640**	1/4	1/4	2	Bead Stile
1-1/4	1/4	–	5/16	**49642**	7/64	1/4	2	Bead Rail
1-5/16	3/8	–	5/8	**49644**	17/64	1/4	2	Bead Stile
1-1/2	3/8	–	9/16	**49646**	1/8	1/4	2	Bead Rail
1-1/16	11/16	–	11/16	**49650**	11/64	1/4	2	Window Stile
1-7/32	11/16	–	5/8	**49652**	1/8	1/4	2	Window Rail
1-11/32	11/32	–	1/2	**49660**	1/4	1/4	2	Ogee Stile

Individual Cutters:

ØD	R	a°	B	Tool No.	B1	Ød	L	Type
1-1/2	11/32	–	3/8	**49662**	3/32	1/4	2	Ogee Rail
1-1/2	11/32	–	9/16	**49664**	1/4	1/4	2	Ogee Stile
1-19/32	11/32	–	3/8	**49666**	1/8	1/4	2	Ogee Rail
1-3/32	9/64	–	1/2	**49670**	3/16	1/4	2	Classical Stile
1-1/4	9/64	–	3/8	**49672**	5/64	1/4	2	Classical Rail
1-5/16	3/16	–	5/8	**49674**	7/32	1/4	2	Classical Stile
1-1/2	3/16	–	9/16	**49676**	1/8	1/4	2	Classical Rail

Replacement bearing for Stile Cutters #47702 (3/8" dia.).
Replacement bearing for Rail Cutters #47701 (1/2" dia.).
Replacement collar for Rail Cutters #47724.

Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

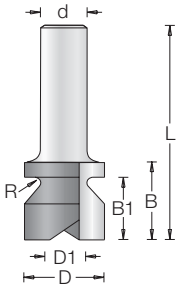
Amana Tool®

FINGER GRIP

(DRAWER PULL, DOOR LIP, ETC.)

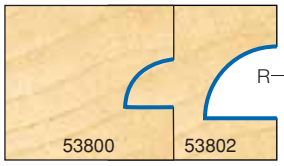
2 FLUTE

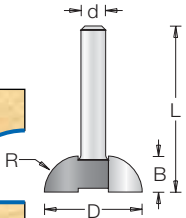
Produce clean, modern chests and cabinets uninterrupted by hardware pulls and knobs by integrating the pulls into the doors, drawers and lids. These one-pass cutters offer many appearance and ergonomic options, providing positive grips and softened, easy-on-the-fingers edges. All bits can be used in CNC and table-mounted routers. Larger diameter cutters will work in edge-guide or template-guide equipped handheld routers.



53804

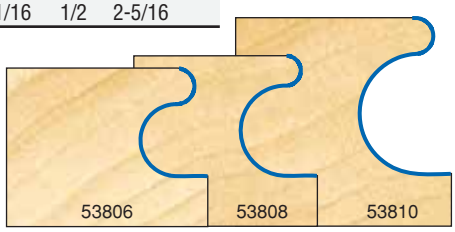
ØD	ØD1	R	B	Tool No.	B1	Ød	L
7/8	1/2	1/16	13/16	**53804**	43/64	1/2	2-5/16

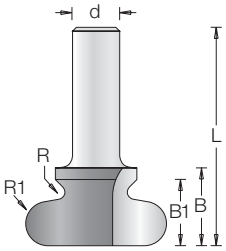




53800

ØD	R	Tool No.	B	Ød	L
3/4	1/4	**53800**	1/4	1/4	1-3/4
1	3/8	**53802**	3/8	1/4	1-3/4





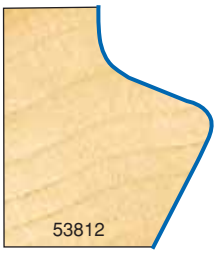
53806

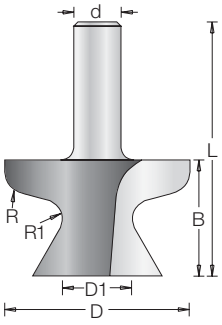
ØD	ØD1	R	R1	Tool No.	B	B1	Ød	L
3/4	25/64	3/32	3/16	**53806**♦	3/4	9/16	1/2	2-5/16
1-1/2	11/16	5/64	15/64	**53808**♦	13/16	45/64	1/2	2-5/16
1-3/4	11/16	3/32	5/16	**53810**♦	13/16	11/16	1/2	2-5/16

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

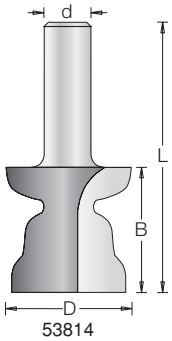
ØD	ØD1	D2	R	Tool No	R1	B	Ød	L
2	3/4	–	1/4	**53812**♦	3/16	1-1/4	1/2	2-3/4
1-3/32	–	–	–	**53814**♦	–	1-1/4	1/2	2-3/4
14 1-21/32	.386	.649	1/2	**53816**♦	7/64	3/4	1/2	2-1/4

⚠ **WARNING:** Maximum RPM 14 = 14,000.

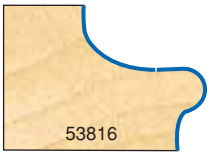


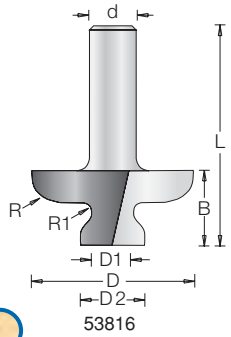


53812



53814





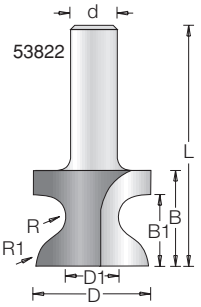
53816

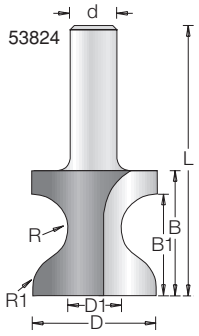
Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

WINDOW SILL EDGE

These bits shape a flowing ogee edge for creating traditional window sills.

ØD	D1	R	R1	Tool No	B	B1	Ød	L
1-1/4	1/2	7/32	1/4	**53822**	7/8	11/16	1/2	2-7/8
1-7/16	5/8	3/8	5/16	**53824**	1-3/16	1	1/2	3-7/8





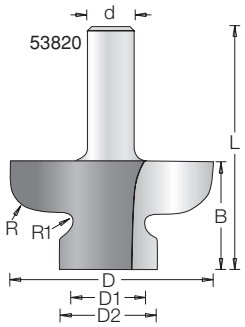
DOOR EDGE DETAIL

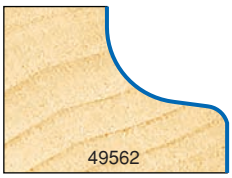
FOR (DECO)™ DOOR

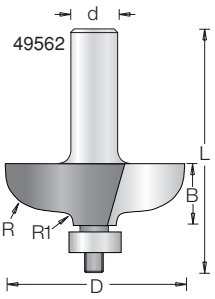
Use these bits to shape the edges of cabinet doors. Style #53820 also eliminates the need for a pull to create a clean, uncluttered look.

ØD	ØD1	ØD2	R	Tool No	R1	B	Ød	L
2	23/32	31/32	3/8	**53820**	1/8	1-3/16	1/2	2-1/2
1-3/4	–	–	3/8	**49562**	3/8	11/16	1/2	2-5/8

Replacement bearing #47706 for Tool #49562.







DOOR LIP ASSEMBLY

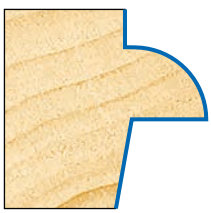
CORNER ROUND & TAPER RABBET• 2 FLUTE • COMPLETE ASSEMBLY

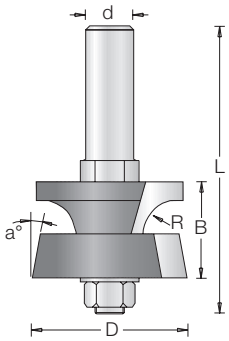
Mill the edges of doors and drawer fronts with this assembly, rounding the show edge and simultaneously forming a rabbet with a tapered shoulder on the back edge. Works on straight stock from 5/8" through 1" in thickness. Must be used in a table-mounted router.

ØD	R	a°	Tool No.	B	Ød	L
1-9/16	3/8	10°	**55300**	1	1/2	3

Replacement Parts: Order #	Description
55302	3/8" corner round cutter
55304	10° taper rabbet cutter
47612	1/2" shank arbor with nut

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





Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

Amana Tool®

ROUTING

SOLID SURFACE

FOR FABRICATING SOLID SURFACE MATERIALS

Amana Tool® has developed a line of over 100 special tools for the fabrication of solid surface materials on the market. There are special tools for face-inlay, trimming, corner rounding and bullnosing as well as bits for counter-tops and bowls.
Some of our tools with ball bearings utilize our Ultra-Glide™ high-performance ball bearing guide assembly. The Ultra-Glide™ is a steel ball bearing fitted with a non-marring Delrin® sleeve.
For decorative work, our other carbide-tipped router bits can also be used for solid surface materials.

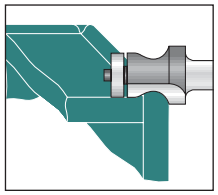
Recommended by:
WILSONART® INTERNATIONAL

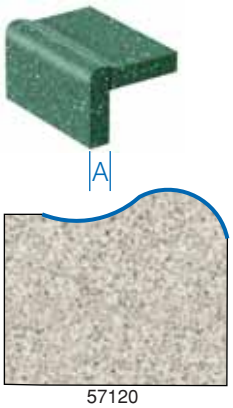
NOTE: The application specifications, current at time of publication, are intended for reference purposes and are subject to change without notice. Please refer to the Fabrication Guides provided with the particular material or bowl you are using for more specific installation instructions.
Ultra-Glide™ is a trademark of the Amana Tool® Corporation. Wilsonart® and Gibraltar® are registered trademarks of Wilsonart® International. Corian® and Delrin® are registered trademarks of the Dupont Co. Surell® is a registered trademark of the Formica Corp. Fountainhead® is a registered trademark of Nevamar. Avonite® is a registered trademark of the Avonite Corp. Amana Tool® makes no endorsements whatsoever to manufacturers of the solid surface materials listed herein.

COUNTER-TOP 'NO-DRIP' DESIGN WITH BALL BEARING GUIDE

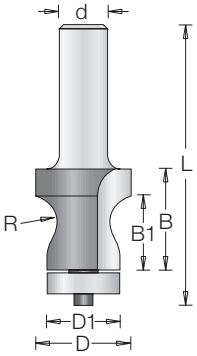
2 FLUTE

This bit will cut a 'no-drip' edge on kitchen and vanity counter-tops in one pass. Use in a handheld router.





57120



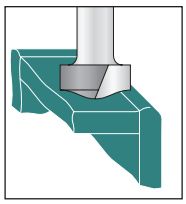
ØD	ØD1	A	R	Tool No.	B	B1	Ød	L
1	3/4	1/2	5/16	**57118**	7/8	5/8	1/2	3
1	3/4	3/4	5/16	**57120**	1-1/8	15/16	1/2	3-1/4

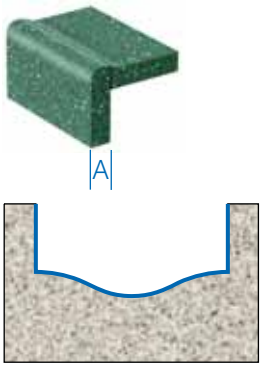
Replacement Ultra-Glide™ bearing #47709. (Includes #5003 5/32" hex key).
Replacement steel bearing (old style) #47714.

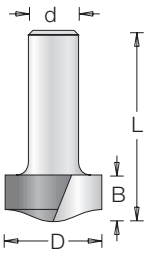
COUNTER-TOP 'NO-DRIP' DESIGN

2 FLUTE

This bit cuts the inner portion of a 'no-drip' edge on kitchen and vanity countertops, where there's no edge for a guide bearing to reference. Typically used with edge-guide-equipped router. (Use the 5/16" radius corner-rounding bits shown on facing page to do the outer portion.)







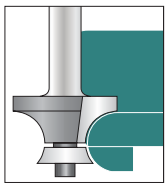
ØD	A	Tool No.	B	Ød	L
1	3/4	**57146**	1/2	1/4	1-1/2
1	3/4	**57148**	1/2	1/2	2-1/8

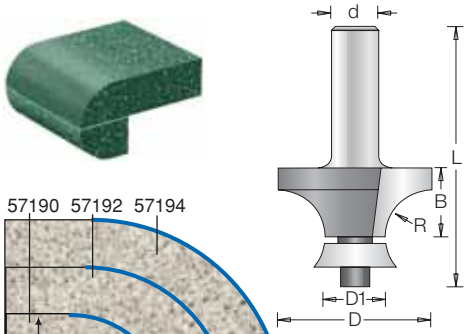
Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***
Amana Tool®

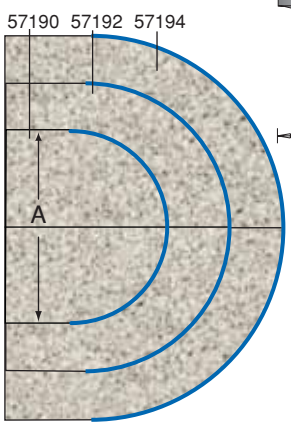
CORNER ROUNDING WITH ULTRA-GLIDE™ RADIUS BEARING

2 FLUTE

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	Tool No.	B	Ød	L	Replacement Bearing
1-5/8	5/8	1	1/2	**57190**	3/4	1/2	2-3/4	47767
2-1/8	5/8	1-1/2	3/4	**57192**	1	1/2	3	47768
⚠18 2-5/8	5/8	2	1	**57194**	1-1/4	1/2	3-3/16	47769

Standard 1/4 x 5/8 bearing - use #47712 - (order separately).

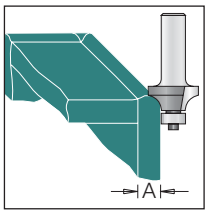
⚠ **WARNING:** Maximum RPM ⚠18 = 18,000

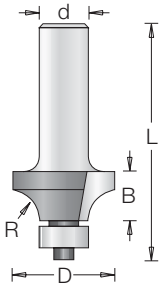
Use in a table-mounted router. Not for use in a handheld router!

CORNER ROUNDING WITH ULTRA-GLIDE™ BALL BEARING GUIDE ASSEMBLY

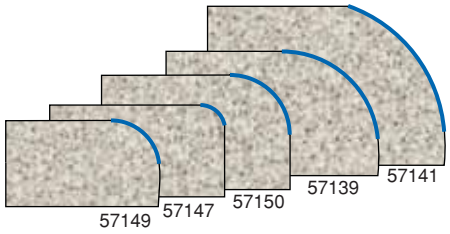
2 FLUTE

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	Tool No.	B	Ød	L
1-1/8	3/4	5/16	**57150**	1/2	1/4	1-7/8
1-1/8	3/4	5/16	**57152**	1/2	1/2	2-1/4
3/4	—	1/8	**57147**	3/8	1/2	2-5/16
1	—	1/4	**57149**	1/2	1/2	2-7/16
1-1/2	—	1/2	**57139**	3/4	1/2	2-3/8
2	—	3/4	**57141**	1	1/2	2-3/8

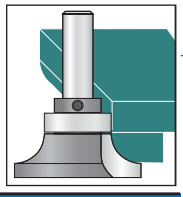


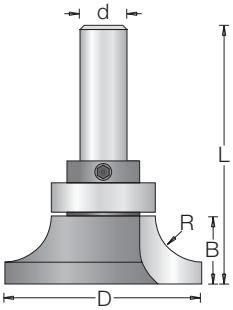
Replacement Ultra-Glide™ bearing assembly #47707. (Includes #5000 1/8" hex key).
NOTE: Corian® & Delrin® are registered trademarks of Dupont Co.

ROUND UNDER WITH UPPER BALL BEARING

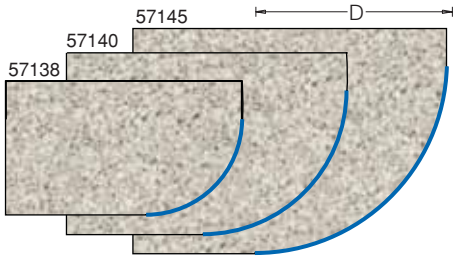
2 FLUTE

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	Tool No.	B	Ød	L
2-1/8	1	1/2	**57138**	3/4	1/2	2-7/8
⚠14 2-5/8	1-1/2	3/4	**57140**	1	1/2	3
⚠14 3-1/8	2	1	**57145**	1-3/8	1/2	3-5/16



Replacement Ultra-Glide™ bearing #47737 (after 6/95).
Replacement steel bearing #47738 (prior to 6/95).
Replacement collar #47740.

⚠ **WARNING:** Maximum RPM ⚠14 = 14,000

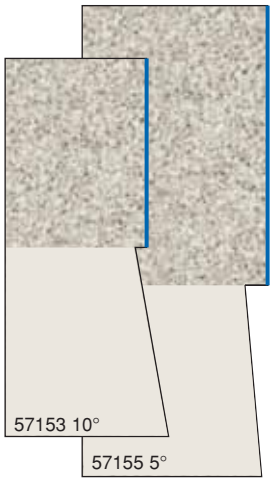
Use in a table-mounted router. Not for use in a handheld router!

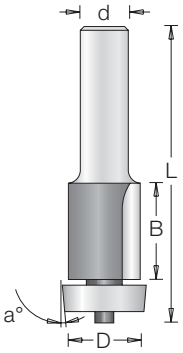
Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

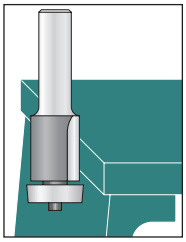
BOWL & SINK TRIM WITH ULTRA GLIDE™ BALL BEARING GUIDE

2 FLUTE

Trim a sink cutout 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 cutout 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°	Tool No.	Ød	L	Description
3/4	1	10°	**57153**	1/2	3-1/4	1/16 Over-hang
49/64	1-1/2	5°	**57155**	1/2	3-1/2	1/8 Over-hang
3/4	1	0°	**57154**	1/2	3-1/2	Flush trim

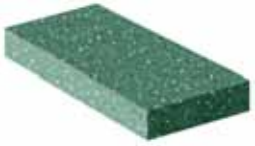
Replacement Ultra-Glide™ Bearing Assemblies:
(Includes #5003 5/32" hex key).

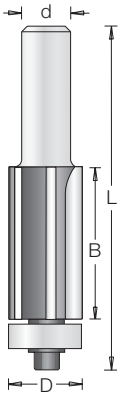
Tool No.	Bearing Assembly
57153	47726
57154	47709
57155	47733

FLUSH TRIM WITH BALL BEARING GUIDE

4 FLUTE

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.





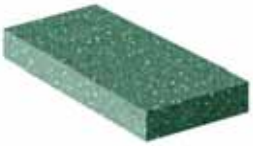
ØD	B	Tool No.	Ød	L
3/4	1	**57184**	1/2	3
3/4	1-1/2	**57185**	1/2	4
3/4	2	**57186**	1/2	4-1/2

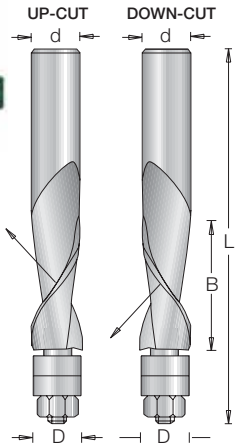
Standard replacement bearing (steel) use #47714.
Optional Delrin® replacement bearing use #47709.

ULTRATRIM™ SOLID CARBIDE SPIRAL TRIM WITH DOUBLE BALL BEARING GUIDE

2 FLUTE

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	‘Up-cut’ Tool No.	‘Down-cut’ Tool No.		Ød	L
1/2	1-1/4	**46300**	**46400**	*New*	1/2	3-3/4
1/2	2	**46304**	**46404**	*New*	1/2	4-3/4

Standard Replacement Bearing: (.500" dia.), use #47706.
Undersized bearing (.492" dia.), use #47715 - for use after re-sharpening.
Replacement nut: use #67086.

SOLID CARBIDE SPIRAL PLASTIC '0' FLUTE

New

SINGLE FLUTE UP-CUT & DOWN-CUT

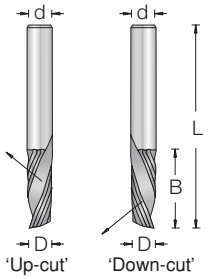
This bit is designed to produce super clean, smooth cuts, especially in acrylic materials (Plexiglas®, Lucite®) other plastics and wood. It includes a special carbide grade, very high tolerance grinding and a unique carbide polishing process.

For SUPER CLEAN CUTS IN:

- ***Plastic***
- ***Solid surface materials***
- ***Wood***
- ***Foam board***

The most popular design.
Fits most CNC machines.

- Right Hand Helix
- Right Hand Cut

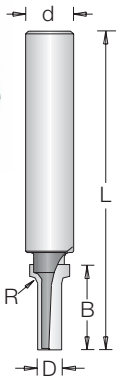


ØD	B	'Up-Cut' Tool No.	'Down-Cut' Tool No.	Ød	L
1/8	1/2	**51410**	**51510**	1/8	2
3/16	5/8	**51412**	**51512**	3/16	2
1/4	3/4	**51404**	**51504**	1/4	2

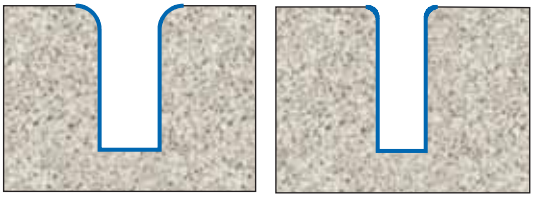
VENTING/SLOTTING WITH RADIUS EDGE

2 FLUTE

This bit is designed specifically to cut vents or drainage slots in solid-surface materials (bit will cut wood and other materials as well). The tops of the flutes are radiused to ease the cut edges as the through slot (in material 3/4" or thinner material) is completed. Use a handheld router guided by a template, clamped-on fence, or edge guide.



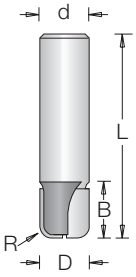
ØD	B	R	Tool No.	Ød	L
1/4	3/4	1/16	**57110**	1/2	3-1/4
5/16	3/4	1/8	**57111**	1/2	3-1/4



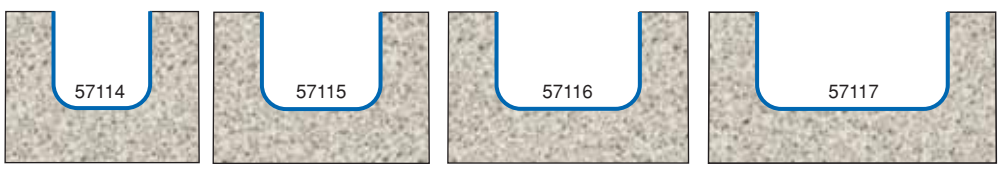
DRAINBOARD

2 FLUTE

This bit is perfect for cutting custom drainboard patterns in solid surface materials, as well as wooden countertops 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	Tool No.	Ød	L
1/2	1/2	1/8	**57114**	1/2	2
5/8	1/2	1/8	**57115**	1/2	2
3/4	1/2	1/8	**57116**	1/2	2
1	1/2	1/8	**57117**	1/2	2



Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

4 WING CUT OUT BITS

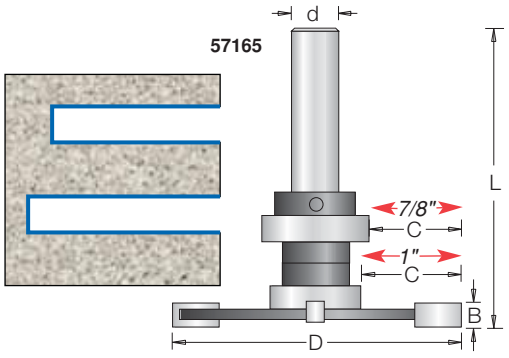
Use for cutting out undermount bowls, Surell®, Fountainhead® and other solid surface undermount bowls. For Corian® bowls, must be used with a Corian® bowl template.

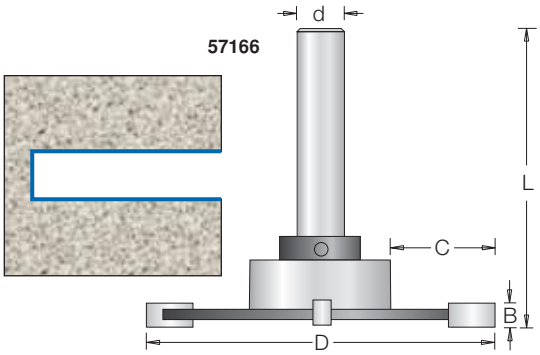
ØD	B	Tool No.	C	Ød	L
3	3/16	**57165**	7/8 & 1	1/2	3-5/32
3-5/8	1/4	**57166**	1	1/2	3-9/32

Tool No.	Bearing	Spacer	Collar	Key
57165	47745, 47747	55371	47739	5002
57166	47749	55363	47739	5002

⚠ **WARNING:** Maximum RPM 12 = 12,000

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.



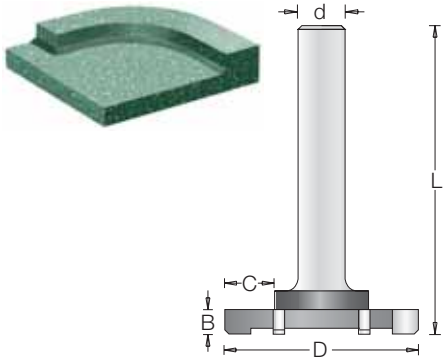


COUNTER-TOP TRIM

6-WING

Create extra-smooth shallow recesses in countertops 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	Tool No.	C	Ød	L
2-1/16	1/4	**57136**	1/2	1/2	3-5/16
2-1/16	1/8	**57137**	1/2	1/2	3-5/16



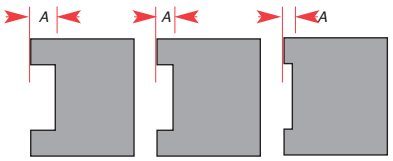
FACE-INLAY WITH 3 BALL BEARING GUIDES

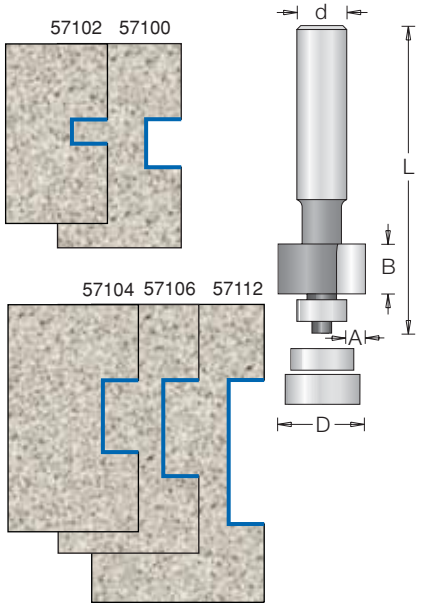
2 FLUTE

With the router resting securely on the top surface, you can groove countertop edges for decorative wood veneer, plastics, brass, or other metal inlays. Three ball bearings are provided with each tool to produce three different inlay depths-1/16", 1/8" or 3/16". Includes #5003 5/32" hex key.

ØD	B	A	Tool No.	Ød	L
7/8	1/8	1/16, 1/8, 3/16	**57102**	1/2	3
7/8	1/4	1/16, 1/8, 3/16	**57100**	1/2	3
7/8	3/8	1/16, 1/8, 3/16	**57104**	1/2	3
7/8	1/2	1/16, 1/8, 3/16	**57106**	1/2	3-1/2
7/8	3/4	1/16, 1/8, 3/16	**57112**	1/2	3-1/2

Replacement Bearings:
When 'A' = 1/16" use #47714 bearing
When 'A' = 1/8" use #47712 bearing
When 'A' = 3/16" use #47701 bearing





Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

Amana Tool®

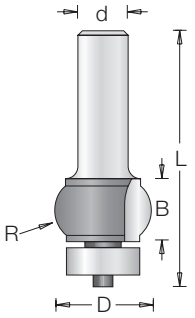
EDGE FACE COVE WITH ULTRA-GLIDE™ BALL BEARING GUIDE ASSEMBLY

2 FLUTE

This bit cuts a large flute in the edge of a counter with the router resting on the top surface. For use on solid surface material.

ØD	R	B	Tool No.	Ød	L
1	5/16	5/8	**57164**	1/2	2-3/4

Replacement Ultra-Glide™ bearing assembly #47709.
(Includes #5003 5/32" hex key).



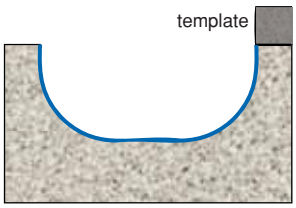
COVE/BACKSPLASH WITH ULTRA-GLIDE™ BALL BEARING GUIDE ASSEMBLY

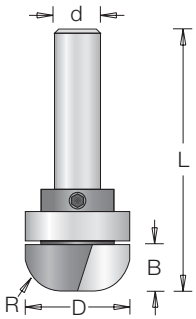
2 FLUTE

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	Tool No.	Ød	L
1-1/8	3/8	1/2	**57232**	1/2	2-7/8

Replacement Ultra-Glide™ bearing #47737.
Replacement Collar #47740.





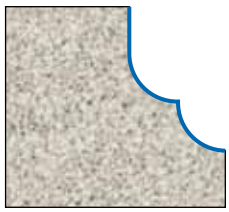
DOUBLE COVE WITH ULTRA-GLIDE™ BALL BEARING GUIDE ASSEMBLY

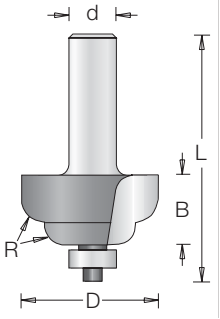
2 FLUTE

Form a double-cove profile on the edges of solid-surface materials without concern that the bearing will damage it. This bit's Ultra-Glide™ bearing is gentle on the material.

ØD	R	Tool No.	B	Ød	L
1-1/2	1/4	**57234**	3/4	1/2	2-1/2

Replacement Ultra-Glide™ bearing #47707.
Optional replacement steel bearing #47706.





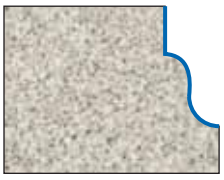
ROMAN OGEE WITH ULTRA-GLIDE™ BALL BEARING GUIDE ASSEMBLY

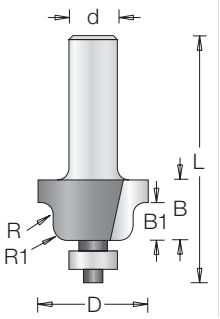
2 FLUTE

Form a classic Roman ogee profile on the edges of solid-surface materials without concern that the bearing will damage it. This bit's Ultra-Glide™ bearing is gentle on the material.

ØD	R	R1	Tool No.	B	B1	Ød	L
1-1/8	1/8	5/32	**57127**	5/8	3/8	1/2	2-1/2

Replacement Ultra-Glide™ bearing #47707.
Optional replacement steel bearing #47706.

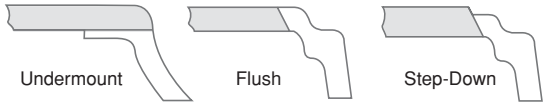




Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

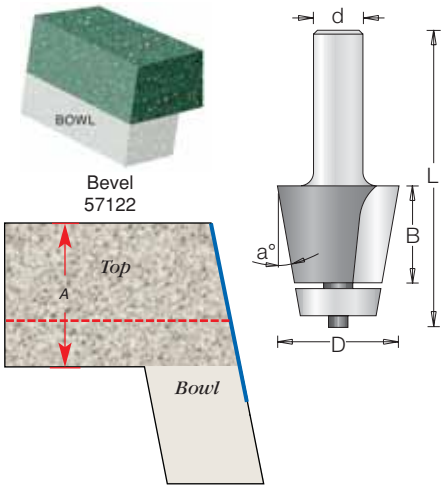
UNDERMOUNT BOWL WITH ULTRA-GLIDE™ BALL BEARING GUIDE ASSEMBLY

2 FLUTE



These bits prepare and/or finish counter-top edges in conjunction with undermount bowl installations. The roundover 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, and 871S.

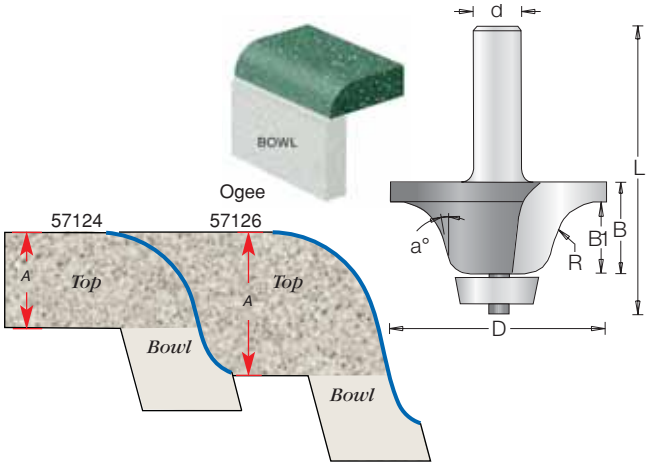
The bevel tool can be used in bevel mount applications of Corian® sink and bowl #'s 804A, 805A, 830A, 852LA, 852RA, and 854RA.

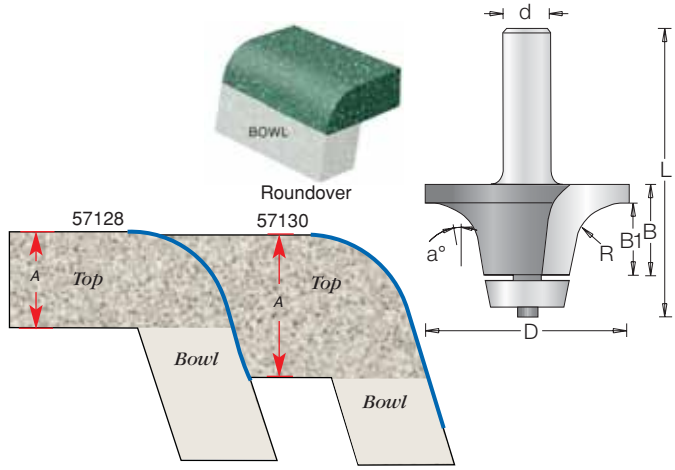


ØD	a°	R	A	Tool No.	B	B1	Ød	L	Description
2-1/8	18°	1/2	1/2	**57128**	1	3/4	1/2	3	Roundover
2-1/4	18°	9/16	3/4	**57130**	1-1/4	1	1/2	3-1/4	Roundover
2-1/8	15°	1/2	1/2	**57124**	1	3/4	1/2	3	Ogee
2-1/4	15°	9/16	3/4	**57126**	1-1/4	1	1/2	3-1/4	Ogee
1-1/4	10°	—	1/2 & 3/4	**57122**	15/16	—	1/2	3	Bevel

Replacement Ultra-Glide™ bearing assembly #47726 (all tools).
(Includes #5003 5/32" hex key and #67093 allen screw).

NOTE: Corian® & Delrin® are registered trademarks of Dupont Co.





Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
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UNDERMOUNT BOWL WITH ULTRA-GLIDE™ BALL BEARING GUIDE

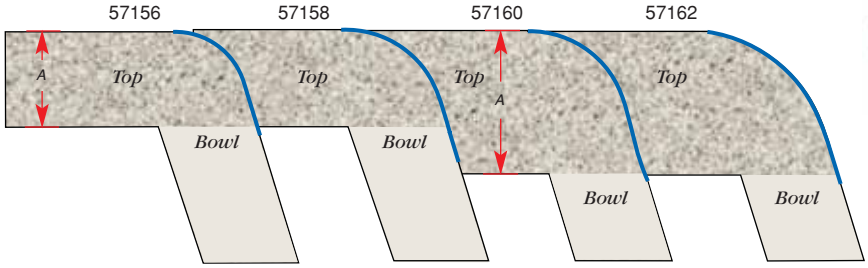
2 FLUTE ASSEMBLY FOR CORIAN® BOWL #'S 874S, 810AS, 850, 857B, 859S, 871S, 872S, 891S, 893S

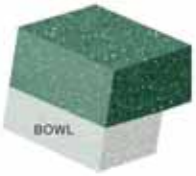
These bits are designed specifically for use in undermount installations of Corian® bowl #874-S. They trim and profile the counter-top edges after the bowl is mounted.

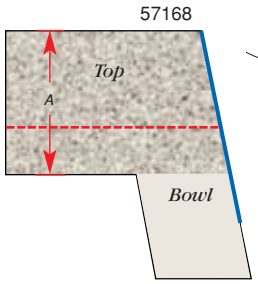
ØD	a°	R	A	B	Tool No.	B1	Ød	L	Description
1-25/32	17°	3/8	1/2	11/16	**57156**	17/32	1/2	2-1/2	Roundover
2	14°	1/2	1/2	11/16	**57158**	17/32	1/2	2-1/2	Roundover
2-1/8	17°	1/2	3/4	1	**57160**	25/32	1/2	2-7/8	Roundover
20 2-1/4	15°	3/4	3/4	1-1/4	**57162**	25/32	1/2	3	Roundover
1-1/4	10°	—	1/2 or 3/4	1	**57168**	—	1/2	3	Bevel

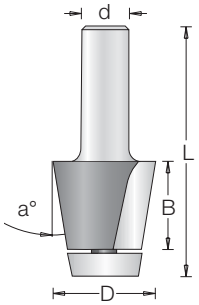
Replacement Ultra-Glide™ bearing assembly #47731. (Includes #5009 1/8" hex key and #67146 special flat head machine screw).

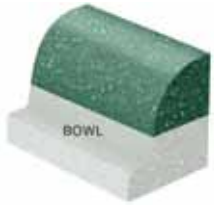
WARNING: Maximum RPM 20 = 20,000

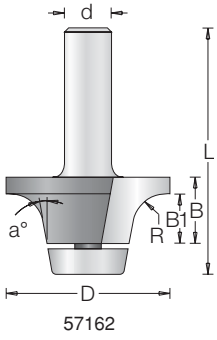












UNDERMOUNT PROFILE BOWL

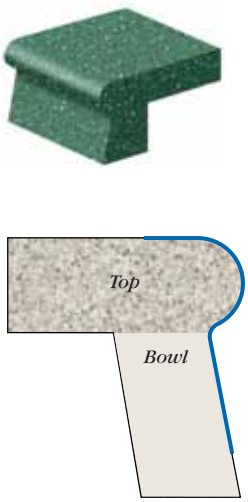
2 FLUTE WITH BALL BEARING GUIDE ASSEMBLY

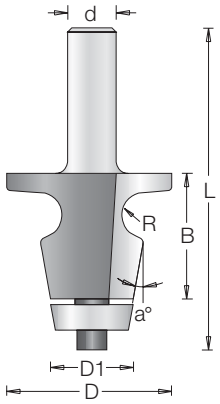
Use this unique bit to complete the installation of an undermount-type bowl. In one pass, the bit trims the seam between bowl and counter-top and cuts a bullnose profile on the counter edge. Use with any handheld router; the Ultra-Glide™ bearing guides the cut.

ØD	ØD1	a°	R	Tool No.	B	Ød	L
1-21/32	7/8	10°	1/4	**57224**	1-5/16	1/2	3-5/16

Replacement Ultra-Glide™ bearing assembly #47726.

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





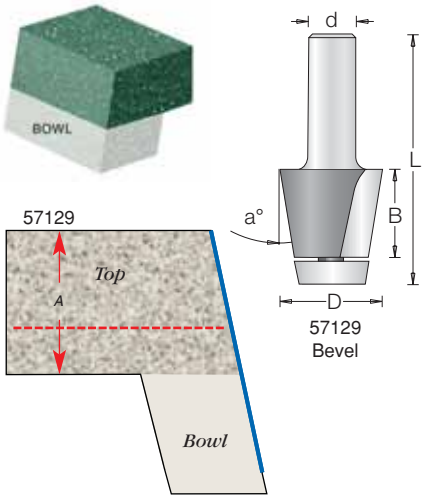
WILSONART® BOWL WITH ULTRA-GLIDE™ BALL BEARING GUIDE ASSEMBLY

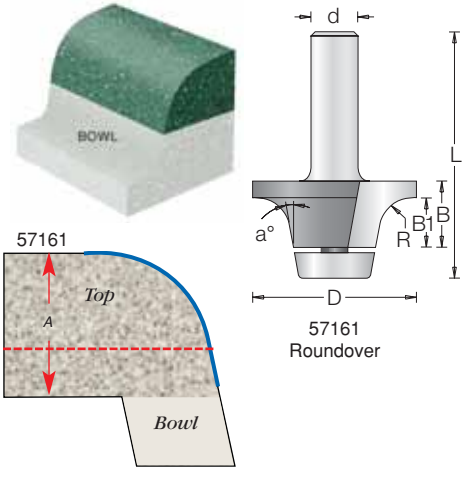
2 FLUTE

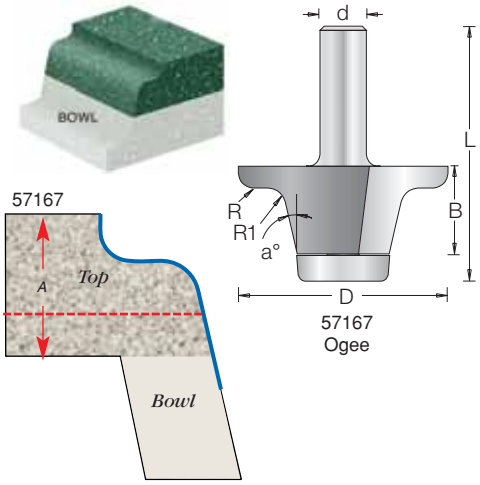
These three bits, designed specifically for use with the Wilsonart® bowl, produce three different edge treatments - a bevel with a hard edge, a bevel with a rounded-over edge, and a bevel with an ogee-profile edge. Use with any handheld router; the Ultra-Glide™ bearing guides the cut.

ØD	a°	R	R1	Counter-top Thickness - A	Tool No.	B	B1	Ød	L	Description
1-1/2	12°	—	—	1/2 - 1-1/4	**57129**	1-1/4	—	1/2	3-1/16	Bevel
2-3/8	12°	9/16	—	1/2 - 3/4	**57161**	7/8	11/16	1/2	2-11/16	Roundover
2-1/4	13°	5/32	13/64	1/2 - 3/4	**57167**	15/16	—	1/2	2-3/4	Ogee

Replacement Ultra-Glide™ bearing assembly #47732 (includes #5009 1/8" hex key and #67146 special flat bead machine screw).







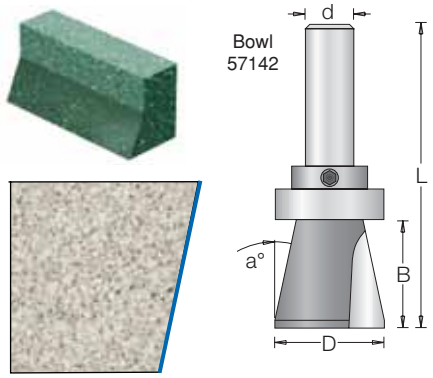
TOPMOUNT BOWL & COUNTER-TOP WITH BALL BEARING GUIDE

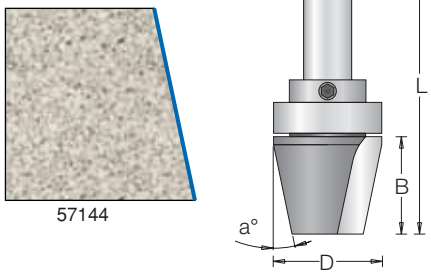
2 FLUTE

These two bits are designed for topmount or “drop-in” type sinks and bowls, and allow all the work to be done from the upper surface. (They are used for Corian® sink & bowl #’s 809E, 810, 871E, and 872E, among others.) The counter-top bit prepares the edge of the sink cut-out, while the matching bowl bit cuts the edge of the sink. Both bits have shank-mounted bearings for these template-guided operations.

ØD	a°	B	Ød	Tool No.	L	Description
1-1/8	14°	1	1/2	**57142**	3-1/8	Bowl bit
1-1/8	14°	1	1/2	**57144**	3-1/8	Counter-top Bit

Replacement bearing #47738.
Replacement collar #47740.





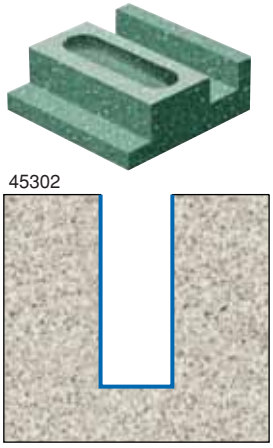
Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

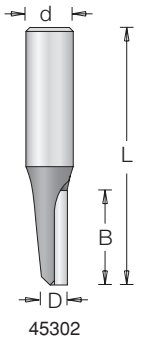
TOPMOUNT ROUTER EUROPEAN TYPE

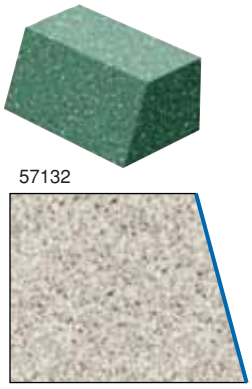
For sink cut-outs and to prepare counter-top for topmount installation of sink or bowl. Among others, can be used for Corian® sink and bowl #'s 830A, 852RA, 852LA, and 854RA.

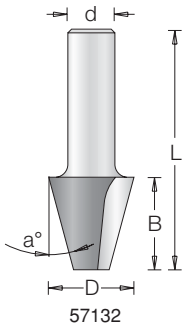
ØD	a°	B	Tool No.	Description	Ød	L
3/8	—	1	**45302**	1-Flute plunge bit	1/2	2-3/4
29/32	15°	15/16	**57132**	2-Flute bevel	1/2	2-1/2
31/32	—	5/8	**57134**	2-Flute Ogee bit	1/2	2-3/8

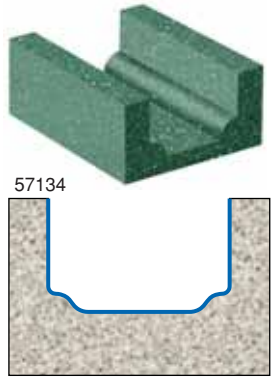
NOTE: Corian® & Delrin® are registered trademarks of Dupont Co.

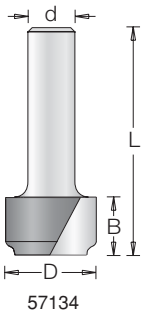












BEVEL WITH BALL BEARING GUIDE

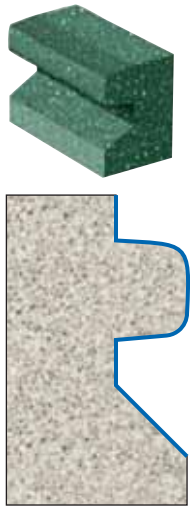
2 FLUTE

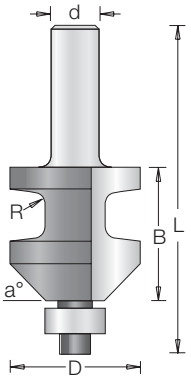
Forms a profile decorative edge for solid surface material.

ØD	a°	R	Tool No.	B	Ød	L
1-3/8	45°	1/8	**57226**	1-7/16	1/2	3-1/2

Replacement bearing #47712.

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



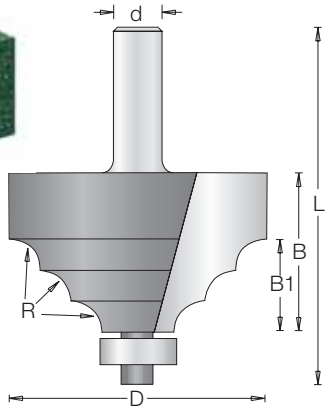


DECORATIVE EDGE WITH ULTRA-GLIDE™ BALL BEARING GUIDE ASSEMBLY

2 FLUTE

Amana Tool® has a wider variety of profile cutters designed specifically for use on solid-surface materials than any other manufacturer. This series of profile cutters are scaled for thick or even built up solid-surface structures. With most profiles, uncomfortably sharp edges are entirely eliminated, replaced with soft curves. All bits are equipped with easy-on-the-material Ultra-Glide™ pilot bearings. All are large bits that must be run at reduced speed in a high-horsepower router.

NOTE: Tools on this page can also be used for woodworking applications by substituting #47709 Ultra-Glide™ bearing for #47714 steel bearing. Order #47714 separately.

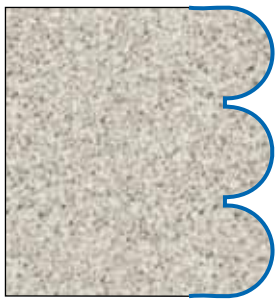


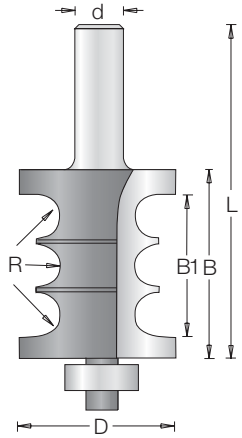
D	R	B	Tool No.	B1	d	L
2-5/8	5/16	1-5/8	**57200**	15/16	1/2	3-1/2

12

Replacement Ultra-Glide™ bearing #47709.
(Includes #5003 5/32" hex key).

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

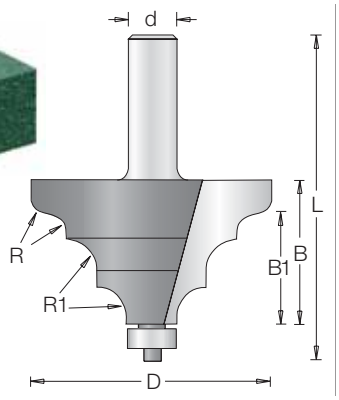




D	R	B	Tool No.	B1	d	L
1-5/8	15/64	2	**57202**	1-17/32	1/2	3-1/2

Replacement Ultra-Glide™ bearing #47709.
(Includes #5003 5/32" hex key).

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



D	R	R1	Tool No.	B	B1	d	L
2-3/4	3/16	5/16	**57204**	1-1/2	1-1/8	1/2	4

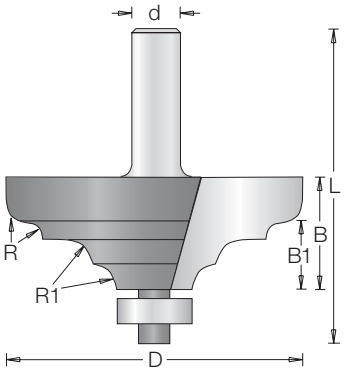
12

Replacement Ultra-Glide™ bearing #47709.
(Includes #5003 5/32" hex key).

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

WARNING: Maximum RPM 12 = 12,000

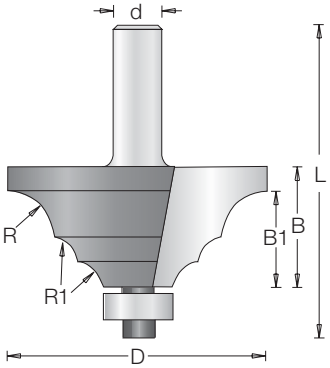
Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***



D	R	R1	Tool No.	B	B1	d	L
3	1/4	3/16	**57206**	1-1/8	3/4	1/2	3

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

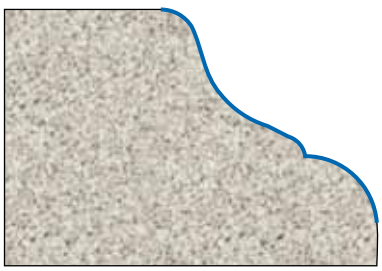
Replacement Ultra-Glide™ bearing #47709.
(Includes #5003 5/32" hex key).

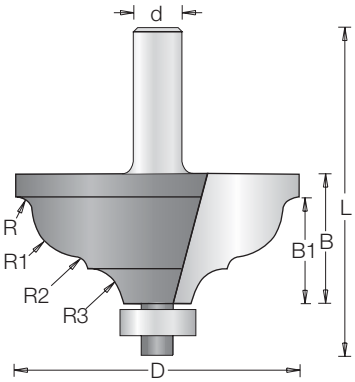


D	R	R1	Tool No.	B	B1	d	L
2-3/4	1/2	1/4	**57208**	1-5/16	1	1/2	3-1/8

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

Replacement Ultra-Glide™ bearing #47709.
(Includes #5003 5/32" hex key).





D	R	R1	R2	Tool No.	R3	B	B1	d	L
3	3/16	1/2	1/8	**57210**	3/8	1-9/16	1-5/32	1/2	3-5/16

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

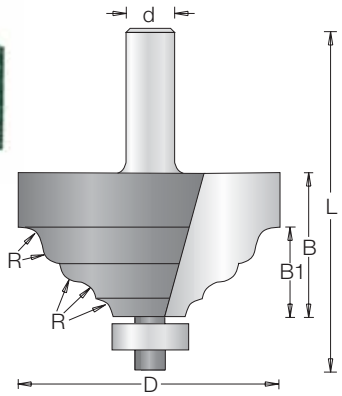
Replacement Ultra-Glide™ bearing #47709.
(Includes #5003 5/32" hex key).

WARNING: Maximum RPM 10 = 10,000

Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

DECORATIVE EDGE WITH ULTRA-GLIDE™ BALL BEARING GUIDE ASSEMBLY

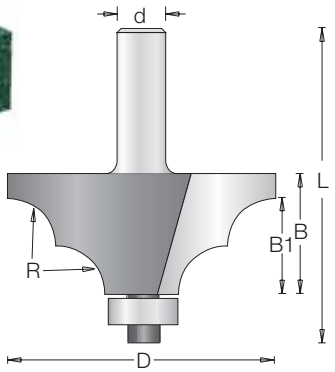
2 FLUTE



	D	R	B	Tool No.	B1	d	L
10	2-3/4	3/16	1-9/16	**57212**	15/16	1/2	3-7/16

Replacement Ultra-Glide™ bearing #47709.
(Includes #5003 5/32" hex key).

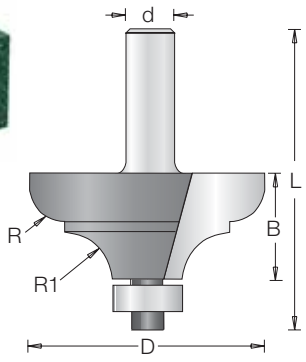
Use in a table-mounted router. Not for use in a handheld router!



	D	R	B	Tool No.	B1	d	L
10	2-3/4	1/2	1-1/4	**57214**	1	1/2	3-1/4

Replacement Ultra-Glide™ bearing #47709.
(Includes #5003 5/32" hex key).

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



	D	R	R1	Tool No.	B	d	L
12	2-1/2	3/8	1/2	**57216**	1-1/8	1/2	3-1/8

Replacement Ultra-Glide™ bearing #47709.
(Includes #5003 5/32" hex key).

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

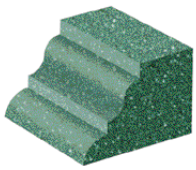
NOTE: Some tools on this page can also be used for woodworking applications by substituting #47709 Ultra-Glide™ bearing for #47714 steel bearing. Order #47714 separately. With #47707 Ultra-Glide™, substitute #47706 steel bearing.

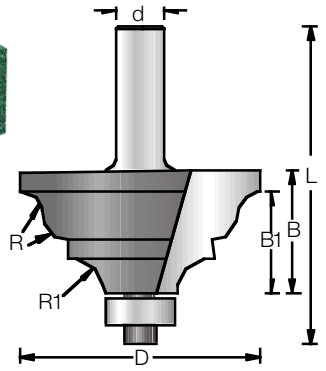
⚠ **WARNING:** Maximum RPM ⚠10 = 10,000; ⚠12 = 12,000

Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

DECORATIVE EDGE WITH ULTRA-GLIDE™ BALL BEARING GUIDE ASSEMBLY

2 FLUTE





	D	R	R1	Tool No.	B	B1	d	L
12	2-1/2	1/4	3/8	**57218**	1-1/4	1-1/16	1/2	3-5/8

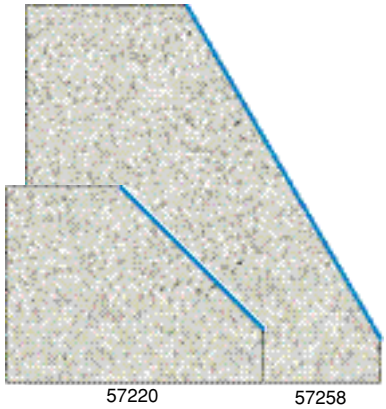
Replacement Ultra-Glide™ bearing #47709.
(Includes #5003 5/32" hex key).

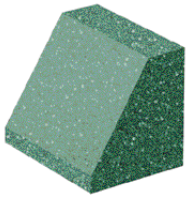
Use in a table-mounted router. Not for use in a handheld router!

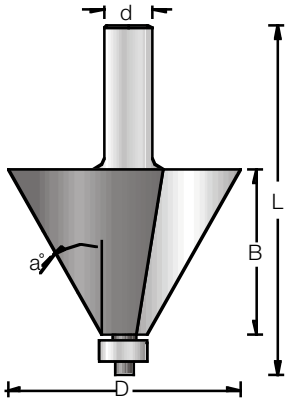
CHAMFER WITH ULTRA-GLIDE™ BALL BEARING GUIDE ASSEMBLY

2 FLUTE

Chamfer and even bevel solid-surface edges with one of these two bits. These large bits must be run at reduced speed in a high-horsepower router.







	D	a°	Tool No.	B	d	L
	2	45°	**57220**	3/4	1/2	2-5/8
12	2-17/32	30°	**57258**	1-3/4	1/2	3-5/8

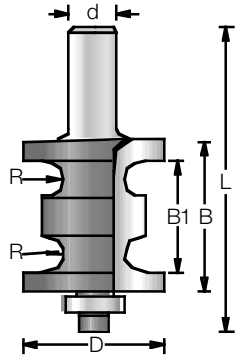
Replacement Ultra-Glide™ bearing #47707.

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

DOUBLE BULLNOSE WITH BALL BEARING GUIDE

2 FLUTE

Cut bullnose profiles on two layers in a stack in one pass with this large cutter.



D	R	B	Tool No.	B1	d	L
1-1/2	15/64	2	**57238**	1-1/2	1/2	3-1/8

Replacement bearing #47712.

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

⚠ WARNING: Maximum RPM 12 = 12,000

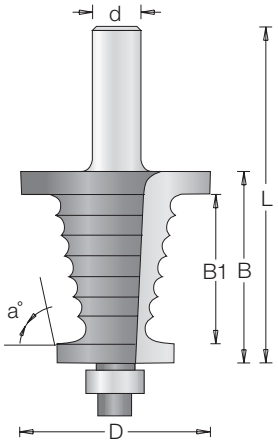
Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

TAPERED REED WITH ULTRA-GLIDE™ BALL BEARING GUIDE ASSEMBLY

2 FLUTE

Taper and reed an edge in one operation with this bit, which can accommodate material up to 1-1/2" thick. Profile can be cut with or without a step at the top and/or bottom of the reeding. Use with a handheld router equipped with an edge guide. The pilot bearing is intended for use with a template.

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



D	a°	B	Tool No.	B1	d	L
2	78°	2	57240	1-1/2	1/2	3-1/8

18

Replacement Ultra-Glide™ bearing assembly #47707.

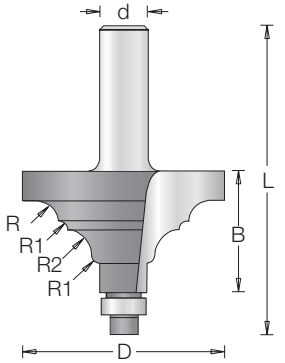
WARNING: Maximum RPM 18 = 18,000

MULTI RADIUS WITH ULTRA-GLIDE™ BALL BEARING GUIDE ASSEMBLY

2 FLUTE

This versatile profile cutter can be used in its entirety or selectively to produce an ogee, beads, or combinations of the two. It will handle material up to 1-1/2" thick. Use in a handheld router, guided by the non-marring Ultra-Glide™ pilot bearing or an edge guide.

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



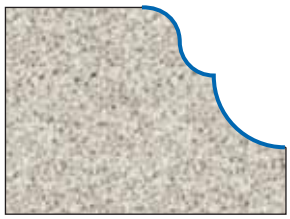
D	R	R1	Tool No.	R2	B	d	L
2-1/4	15/64	3/32	57242	9/32	1-3/8	1/2	3-1/8

Replacement Ultra-Glide™ bearing assembly #47707.

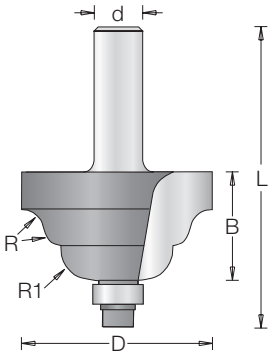
MULTI REVERSE WITH ULTRA-GLIDE™ BALL BEARING GUIDE ASSEMBLY

2 FLUTE

Cut a cove and reverse-ogee profile on a built-up edge with this bit. Profile can be cut with or without a step at the top. Use with a high-horsepower, variable-speed, handheld router.



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



D	R	R1	Tool No.	B	d	L
2	11/64	3/8	57244	1-1/8	1/2	3-1/4

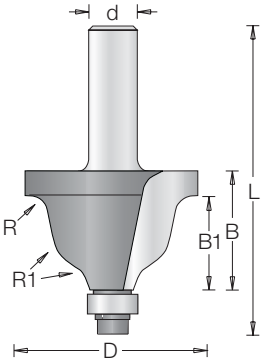
Replacement Ultra-Glide™ bearing assembly #47707.

LONG OGEE WITH ULTRA-GLIDE™ BALL BEARING GUIDE ASSEMBLY

2 FLUTE

To soften and beautify a thick or built-up edge, use this bit, which cuts a vertically elongated reverse ogee profile. Use with a handheld router.

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



D	R	R1	Tool No.	B	B1	d	L
1-3/4	15/64	33/64	57246	1-1/4	1	1/2	3-1/4

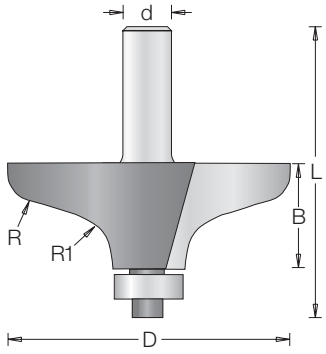
Replacement Ultra-Glide™ bearing assembly #47707.

DECORATIVE EDGE WITH ULTRA-GLIDE™ BALL BEARING GUIDE ASSEMBLY

2 FLUTE

Cut a table-edge type profile on the edge of a solid-surface countertop with this large bit. The profile is an elongated ogee. Because of its large diameter, this bit should only be used in a high-horsepower router and run at reduced speed.

Use in a table-mounted router. Not for use in a hand held router!



	D	R	R1	Tool No.	B	d	L
15	3	5/16	1/2	**57248**	1-1/8	1/2	3-1/8

Replacement Ultra-Glide™ bearing assembly #47709.

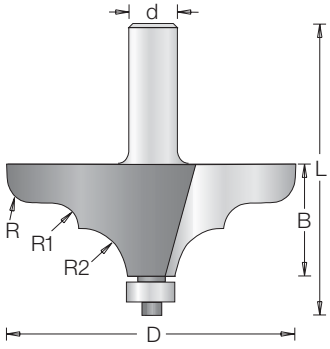
WARNING: Maximum RPM 15 =15,000

DECORATIVE EDGE WITH ULTRA-GLIDE™ BALL BEARING GUIDE ASSEMBLY

2 FLUTE

This bit produces a table-edge type profile on a solid-surface countertop. The bit combines the traditional ogee form with a large quarter-round. Because of its large diameter, this bit should only be used in a high-horsepower router and run at reduced speed.

Use in a table-mounted router. Not for use in a hand held router!



	D	R	R1	Tool No.	R2	B	d	L
16	3	1/4	15/64	**57252**	1/2	1-11/64	1/2	3-1/16

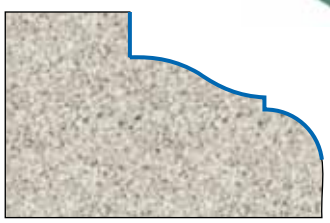
Replacement Ultra-Glide™ bearing assembly #47707.

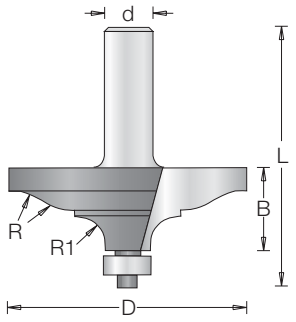
WARNING: Maximum RPM 16 =16,000

DECORATIVE EDGE WITH ULTRA-GLIDE™ BALL BEARING GUIDE ASSEMBLY

2 FLUTE

This bit combines a traditional shallow ogee form with a substantial quarter-round to produce a table-edge type profile on a solid-surface counter-top. Adjust cut depth of router to control the margin of the profile. Because of its large diameter, this bit should only be used in a high-horsepower router and run at reduced speed.





D	R	R1	Tool No.	B	d	L
2-1/2	19/32	19/64	**57254**	7/8	1/2	2-3/4

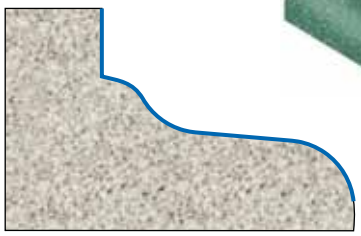
Replacement Ultra-Glide™ bearing #47707.

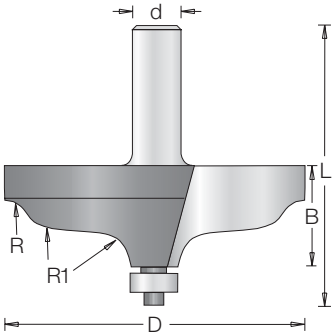
Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

DECORATIVE EDGE WITH ULTRA-GLIDE™ BALL BEARING GUIDE ASSEMBLY

2 FLUTE

An unusual undulating edge profile - attractive to both the eye and the touch - produced by this solid-surface cutter. Because of its large diameter, this bit should only be used in a high-horsepower router and run at reduced speed.





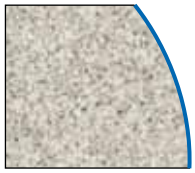
Use in a table-mounted router. Not for use in a hand held router!

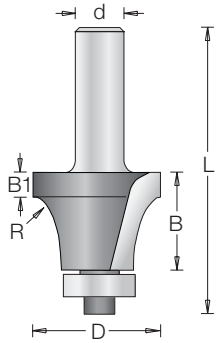
	D	R	R1	Tool No.	B	d	L
14	3-1/8	13/64	23/64	**57256**	1-1/8	1/2	2-15/16

Replacement Ultra-Glide™ bearing #47707.

⚠ **WARNING:** Maximum RPM 14 = 14,000

DECORATIVE EDGE TRIM



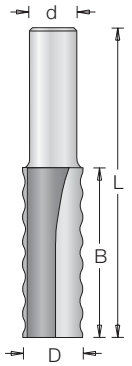


D	B	B1	Tool No.	R	d	L
1-5/16	1-1/16	7/32	**57257**	1-3/8	1/2	3-1/8

Replacement bearing #47709.

WAVY JOINT

Creates a solid joint in the material by adding a greater surface for glue.

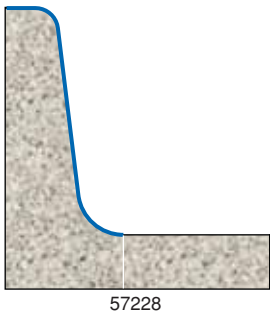


D	B	Tool No.	d	L
5/8	1-13/16	**57260**	1/2	3-1/8

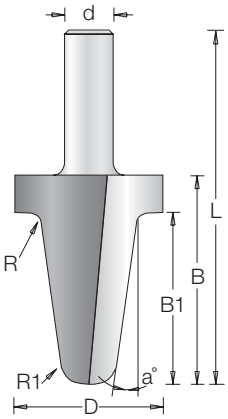
BACKSPLASH

2 FLUTE

Shape a low backsplash - the transition from counter-top to backsplash, the slope, and its top edge-in one operation with this unique bit.



57228



	D	a°	R	R1	Tool No.	B	B1	d	L
22	1-17/32	7°	15/64	1/8	**57228**	1-9/16	1-3/16	1/2	3-1/16
18	1-17/32	7°	15/64	1/8	**57230**	2-1/8	1-3/4	1/2	3-11/16

⚠ **WARNING:** Maximum RPM 18 = 18,000; 22 = 22,000

Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

Router Bit Sets

MASTER ROUTER SET

ORDER NO. AMS-124
2 FLUTE • 1/4" SHANK

For any woodworker, our “master” set provides bits for the most common, frequently performed routing operations. It includes bits for cutting traditional joints - dadoes and rabbets, sliding dovetails, mortises and tenons, laps and half-laps. It includes bits for profiling edges and embellishing broad surfaces with decorative grooves. In addition are bits for template and laminate work. Quarter-inch shank bits will fit all routers.

Available individually, of course, or as a full set in a custom hardwood storage box featuring a colorful silk screened lid as pictured here.

Set No. AMS-124

45200 45208 45218 45226 45228 45230 45460 45704

45804 45910 47104 47200 49104 49112 49200 49204

49300 49400 49504 49512 54160 54180 51200 51202

11-PIECE ‘STARTER’ SET

ORDER NO. AMS-211
2 FLUTE • 1/2" SHANK

A slightly different assortment of bits are included in this “sampler.” Half-inch shank bits are stronger, better able to resist side stresses, and less prone to vibrate, yielding slightly smoother cuts, but they won’t fit every router. This set includes bits for cutting many traditional joints - dadoes and rabbets, sliding dovetails, mortises and tenons, laps and half-laps, and has two profile bits not included in set #AMS-111. Packaged in a custom-made hardwood storage case.

Set No. AMS-211

45414 45420 45806 47108 49114 49202 49302 49402 49514

Sets include a custom-made hardwood storage case.

Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

Router Bit Sets

8-PIECE PROFILE SET

ORDER NO. AMS-208
2 FLUTE • 1/2" SHANK

The most popular, basic profiling bits are in this set. Cut coves, corner rounds, roman ogees, chamfers and rabbets with the bits in this selection. Half-inch-shank bits. Packaged in a custom-made hardwood storage case.

Set No. AMS-208

49114 49118 49206 49302 49402 49506 49514 49518

11-PIECE 'STARTER' SET

ORDER NO. AMS-111
2 FLUTE • 1/4" SHANK

This set is an excellent "sampler" for the woodworker new to routing. It includes bits for cutting a variety of traditional joints - dado's and rabbets, sliding dovetails, mortises and tenons, laps and half-laps, as well as for template and laminate work, and for simple profiling. Quarter-inch shank bits will fit all routers, including trimmers. Packaged in a custom-made hardwood storage case.

Set No. AMS-111

45208 45218 45226 45804 47104 47200 49300 49400 49512

REVERSIBLE STILE & RAIL/HORIZONTAL RAISED PANEL SETS

ORDER NO. AMS-203
1/2" SHANK

This economical set combines a reversible stile-and-rail assembly with a large-diameter horizontal panel-raising bit, which produces a 1-7/16" reveal. Both joinery-cutting assembly and the panel-raiser feature the ogee profile. Use only in a table-mounted router; the panel-raiser must be run at reduced RPM's.

55350

54121

Set No. AMS-203

Sets include a custom-made hardwood storage case.

Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

2-PIECE STILE & RAIL/HORIZONTAL RAISED PANEL SETS

ORDER NO. AMS-300
2 FLUTE • 1/2" SHANK

This easy-to-use set combines the two-piece stile-and-rail cutter set with a small-diameter horizontal panel-raising bit that produces a 1-1/16" reveal. Both joinery-cutters and the panel-raiser feature the ogee profile. Use only in a table-mounted router; the panel-raiser must be run at reduced RPM's.

55430

54118

Set No. AMS-300

ORDER NO. AMS-301
2 FLUTE • 1/2" SHANK

This easy-to-use set combines the two-piece stile-and-rail cutter set with a large-diameter horizontal panel-raising bit that produces a 1-7/16" reveal. Both joinery-cutters and the panel-raiser feature the ogee profile. Use only in a table-mounted router; the panel-raiser must be run at reduced RPM's.

55430

54121

Set No. AMS-301

ORDER NO. AMS-403
2 FLUTE • 1/2" SHANK
RAISED PANEL WITH BACKCUTTER

This three-piece set combines the two-piece ogee stile-and-rail cutter set with an ogee raised panel bit with a backcutter. Use only in a table-mounted router; the panel-raiser must be run at reduced RPM's.

55430

54221

Set No. AMS-403

3-PIECE DOOR MAKING SET

New

ORDER NO. AMS-404
2 FLUTE • 1/2" SHANK
RAISED PANEL WITH BACKCUTTER

This three-piece set combines the two-piece ogee stile-and-rail cutter set with a cove raised panel bit with a backcutter. Use only in a table-mounted router; the panel-raiser must be run at reduced RPM's.

55430

54229

Set No. AMS-404

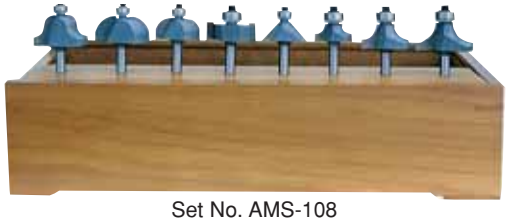
Sets include a custom-made hardwood storage case.

Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size. For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

Router Bit Sets

8-PIECE PROFILE SET

ORDER NO. AMS-108
2 FLUTE • 1/4" SHANK



Set No. AMS-108

49112 | 49116 | 49204 | 49300 | 49400 | 49504 | 49512 | 49516

CORNER ROUND BEADING SET

ORDER NO. AMS-550 - 2 FLUTE • 1/4" SHANK

Consists of one each of the following:

1. **49496** 1/8" Radius corner round, 1/4" Shank
2. **49500** 3/16" Radius corner round, 1/4" Shank
3. **49504** 1/4" Radius corner round, 1/4" Shank
4. **49512** 3/8" Radius corner round, 1/4" Shank
5. **49516** 1/2" Radius corner round, 1/4" Shank
6. **47702** 3/16" x 3/8" bearing (changes all above to beading)
7. **5000** 3/32" Hex key

Set No. AMS-550

1/8" Corner Round | 1/8" Bead | 3/16" Corner Round | 3/16" Bead | 1/4" Corner Round | 1/4" Bead | 3/8" Corner Round | 3/8" Bead | 1/2" Corner Round | 1/2" Bead

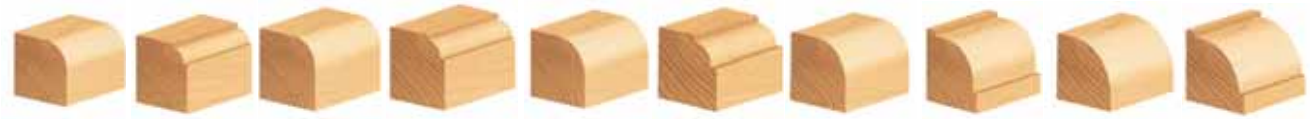
CORNER ROUND BEADING SET

ORDER NO. AMS-555 - 2 FLUTE • 1/2" SHANK

Consists of one each of the following:

1. **49506** 1/4" Radius corner round, 1/2" Shank
2. **49514** 3/8" Radius corner round, 1/2" Shank
3. **49518** 1/2" Radius corner round, 1/2" Shank
4. **49519** 5/8" Radius corner round, 1/2" Shank
5. **49520** 3/4" Radius corner round, 1/2" Shank
6. **47702** 3/16" x 3/8" bearing (changes all above to beading)
7. **5000** 3/32" Hex key

Set No. AMS-555



1/4" Corner Round | 1/4" Bead | 3/8" Corner Round | 3/8" Bead | 1/2" Corner Round | 1/2" Bead | 5/8" Corner Round | 5/8" Bead | 3/4" Corner Round | 3/4" Bead

'RULE-JOINT' SETS FOR DROP-LEAF TABLES

ORDER NO. AMS-118
2 FLUTE • 1/2" SHANK

The rule-joint presents a finished, decorative edge to the eye when the leaf is down and support for the leaf when it is raised. Now the bits required for cutting this traditional drop-leaf table joint on 3/4" stock are combined in one set. The 1/4" shank bits will fit any router.

Consists of one each of the following:

1. **49118** 1/2" Radius cove bit, 1/2" shank
2. **49518** 1/2" Radius corner round bit, 1/2" shank

Includes a re-usable protective foam package.
NOTE: This set is designed to cut 3/4" thick material.
Sets include a custom-made hardwood storage case.

Set No. AMS-118 1/2" Shank

Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

CNC TOOLING

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.
- Special carbide grades for special applications.
- Knives can be re-sharpened multiple times without affecting the original profile
- Cost effective solution compared to replacing brazed router bits.

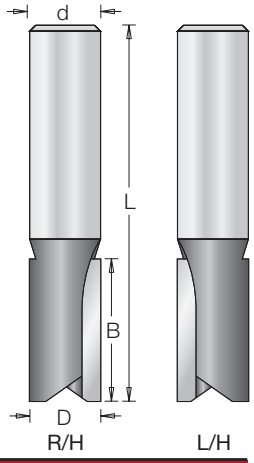
'V' GROOVE "MITER FOLD"
#RC-1028 PAGE 132

STRAIGHT PLUNGE OPEN FLUTE

3/4" SHANK

2 FLUTE

For high-volume production work with a CNC router, use one of these plunge-cutting straights. Long, 3/4" shanks extend the bit's reach, enhancing its versatility. Open-flute design promotes rapid chip clearance, necessary for high feed rates. Available in both right-hand configuration (for standard clockwise rotation) and left-hand configuration (for counter-clockwise rotation "Topmaster" machines.)



ØD	B	R/H Tool No.	L/H Tool No.	Ød	L
3/4	2	**45455**	**45454**	3/4	5
3/4	2-1/2	**45456**	**45457**	3/4	4-1/2
3/4	1-1/4	**45458**	—	3/4	3-1/4

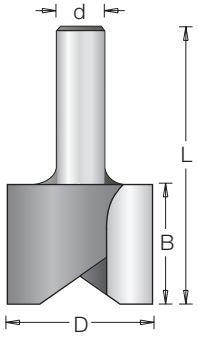
NOTE: Chipbreaker option (special order): Designed to cut chipboard and MDF at high automatic feed rates found on CNC machines. Each flute is ground so that the chipbreakers are staggered to each other, giving a straight cut. To order, add 'CB' suffix (ie: #45454-CB).

STRAIGHT PLUNGE OPEN FLUTE

1/2" AND 3/4" SHANK

2 FLUTE

Mill broad surfaces with any of these large-diameter, plunge-cutting bits. The open flute design provides excellent chip clearance, essential for the high feed rates characteristic of CNC routers.

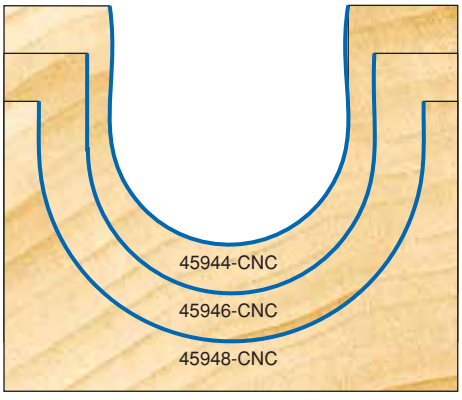


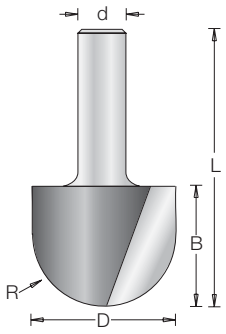
ØD	B	Tool No.	Ød	L
1-1/4	1-1/4	**45450-CNC**	1/2	2-7/8
1-1/2	1-1/4	**45452-CNC**	1/2	2-7/8
1-3/4	1-1/4	**45453-CNC**	1/2	2-7/8
2	1-1/4	**45480-CNC**	3/4	3-1/2

CORE BOX

2 FLUTE

Cut half-round grooves for fluted moldings, columns, millwork, and signs using a core box bit. Used with an edge guide, it can cut coves. Can be used with handheld, table-mounted and CNC routers.





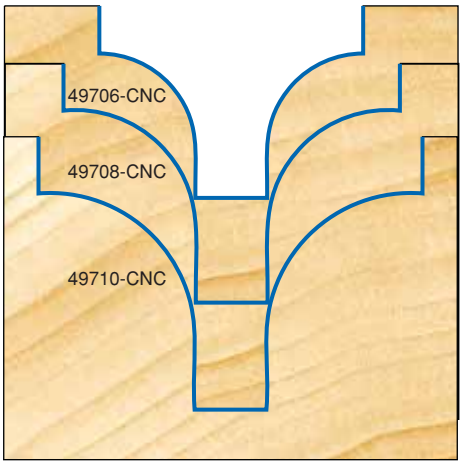
ØD	R	B	Tool No.	Ød	L	Max. RPM
1-1/4	5/8	1-1/4	**★45944-CNC**	1/2	2-3/4	18,000
1-1/2	3/4	1-1/4	**★45946-CNC**	1/2	2-3/4	18,000
2	1	1-1/4	**★45948-CNC**	1/2	2-3/4	18,000

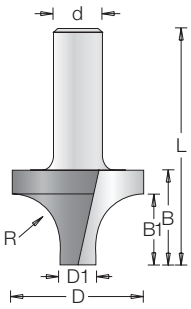
★WARNING: These tools have an open flute design (not anti-kickback) and are intended for high feed-rate CNC machine use only. Do not use in portable routers.

ROUND OVER

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.





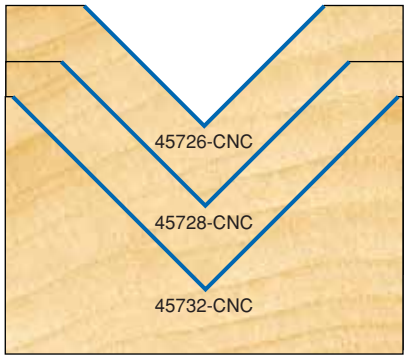
	ØD	ØD1	R	Tool No.	B	B1	Ød	L
14	1-3/8	23/64	1/2	★49706-CNC	1	3/4	1/2	2-1/2
14	1-3/4	1/2	5/8	★49708-CNC	1-1/4	1	1/2	2-3/4
14	2	1/2	3/4	★49710-CNC	1-7/16	1-1/8	1/2	2-15/16

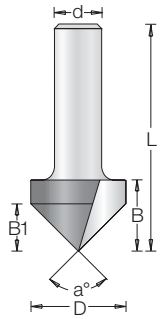
★**WARNING:** These tools have an open flute design (not anti-kickback) and are intended for high feed-rate CNC machine use only. Do not use in portable routers.

'V' GROOVE

2 FLUTE

Cut decorative 'V' grooves and lettering on signs with these 'V' Groove bits. Use with an edge guide to chamfer and bevel edges. Can be used with handheld, table-mounted and CNC routers.





	ØD	a°	B	Tool No.	B1	Ød	L
18	1-1/4	90°	3/4	★45726-CNC	5/8	1/2	2-1/2
18	1-1/2	90°	1	★45728-CNC	3/4	1/2	2-3/4
18	2	90°	1-3/4	★45732-CNC	1	1/2	3-1/4

★**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.

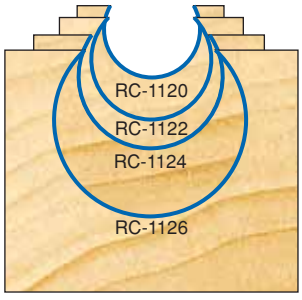
NOTE: 90° 'V' Groove bits are for decorative purposes and are not intended for 'miter-folding', etc.

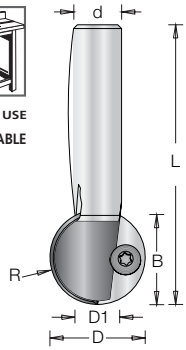
WARNING: Maximum RPM 14 = 14,000; 18 = 18,000

BALL END INSERT ROUTER BIT

New

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.



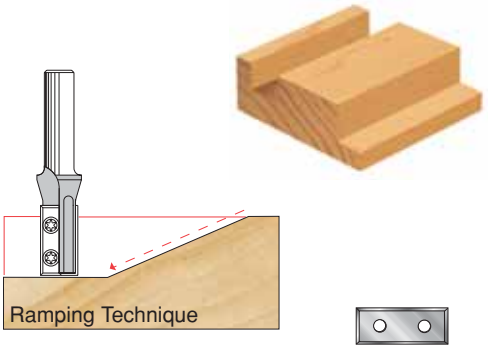


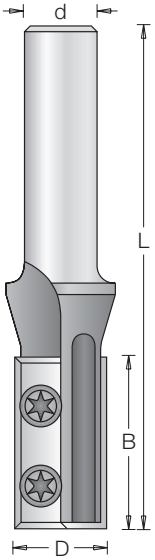
ØD	ØD1	B	Flutes	R	Tool No.	Ød	L	Screw#	Repl. T.C. Knife
1/2	13/32	1/4	1	1/4	RC-1120	1/2	2-5/8	67112	RCK-51
5/8	13/32	5/16	1	5/16	RC-1122	1/2	2-3/4	67112	RCK-52
3/4	19/32	3/8	2	3/8	RC-1124	1/2	2-5/8	67112	RCK-53
1	43/64	1	2	1/2	RC-1126	1/2	2-7/8	67115	RCK-54

Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.

INSERT STRAIGHT ROUTER BIT SINGLE & DOUBLE FLUTE

This group of router bits are not designed to plunge. Using the "ramping technique" the router is eased in and routes. Available in three different grades of carbide for various applications.





ØD	B	Flutes	Tool No.	Ød	L	Repl. T.C. Knife
1/2"	30(1-3/16")	1	RC-2154	3/4"	3-1/4"	AMA-30
5/8"	30(1-3/16")	1	RC-2156	3/4"	3-3/8"	RCK-30
5/8"	50(2")	1	RC-2158	3/4"	4-1/8"	RCK-50
5/8"	30(1-3/16")	2	RC-2080	3/4"	3-3/8"	AMA-30
5/8"	50(2")	2	*RC-2082	3/4"	4-1/8"	AMA-30
3/4"	30(1-3/16")	1	RC-2160	3/4"	3-3/8"	RCK-30
3/4"	50(2")	1	RC-2162	3/4"	4-1/8"	RCK-50
3/4"	30(1-3/16")	2	RC-2084	3/4"	3-3/8"	RCK-30
3/4"	50(2")	2	*RC-2086	3/4"	4-1/8"	RCK-30
7/8"	30(1-3/16")	1	RC-2164	3/4"	3-3/8"	RCK-30
7/8"	50(2")	1	RC-2166	3/4"	4-1/8"	RCK-50
7/8"	30(1-3/16")	2	RC-2088	3/4"	3-3/8"	RCK-30
7/8"	50(2")	2	*RC-2090	3/4"	4-1/8"	RCK-30

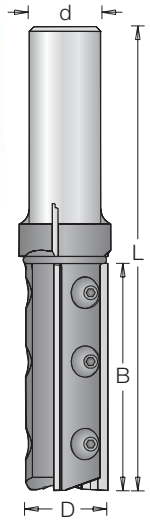
NOTE: All above two flute router bits have two cutting edges per knife.
*50mm cutting edge is achieved using two 30mm staggered knives.

⚠ WARNING: Recommended RPM 14,000-18,000

INSERT STRAIGHT ROUTER BIT

2 FLUTE & 3 FLUTE

Tested by many of the world's largest furniture manufacturers, these new CNC router bits yield cuts which are cleaner than typical insert bits. Unlike the other style of straight insert bits this category has a channel whereby the carbide is inserted and tightened. This tool is specifically suited for peripheral work. Available with double and triple flutes.



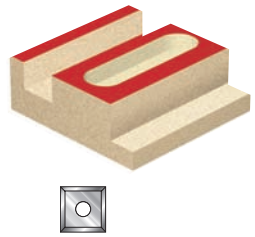
ØD	B	Flutes	Tool No.	Ød	L	Repl. T.C. Knife
5/8"	30(1-3/16")	2	RC-3204	3/4"	3-1/4"	RCK-34
5/8"	50(2")	2	RC-3208	3/4"	4"	RCK-36
3/4"	30(1-3/16")	2	RC-3260	3/4"	3-1/4"	RCK-34
3/4"	50(2")	2	RC-3264	3/4"	4"	RCK-36
3/4"	30(1-3/16")	3	RC-3300	3/4"	3-1/4"	RCK-34
3/4"	50(2")	3	RC-3304	3/4"	4"	RCK-36
3/4"	30(1-3/16")	3	RC-3305	5/8"	3-1/4"	RCK-34
3/4"	50(2")	3	RC-3307	5/8"	4"	RCK-36

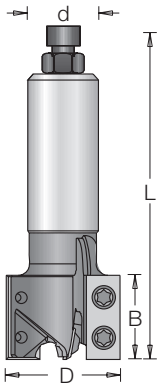
⚠ WARNING: Maximum RPM 18,000

Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For a complete replacement parts listing for the above cutters please refer to our website: ***www.amanatool.com***

INSERT SUPER PLUNGE ROUTER BIT

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

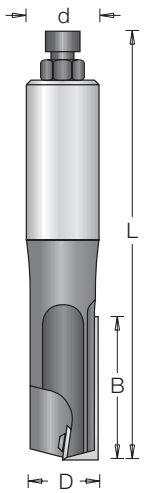




ØD	B	Ød	L	Teeth	Tool No.	Repl. T.C. Knife	Repl. T.C. Knife	Max. RPM
40(1-1/2")	29.5(1-5/32")	3/4"	100(4")	2+2	**RC-2180**	RCK-30	AMA-12	18,000
60(2-3/8")	29.5(1-5/32")	3/4"	100(4")	2+2	**RC-2182**	RCK-30	ICK-30	18,000

INSERT STRAIGHT ROUTER BIT WITH PLUNGE CENTER TIP

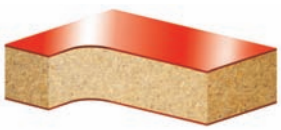
This router bit is designed for fast and direct penetration into the material and quick removal of wood, MDF, melamine and man-made material.

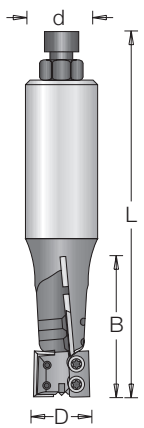


ØD	B	Ød	L	Tool No.	Repl. T.C. Knife	Repl. T.C. Knife	Max. RPM
18(23/32")	30(1-3/16")	3/4"	105(4-1/8")	**RC-2060**	RCK-160	RCK-30	18,000
18(23/32")	50(2")	3/4"	125(5")	**RC-2062**	RCK-162	RCK-50	18,000

INSERT UP & DOWN SHEAR ROUTER BIT

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.



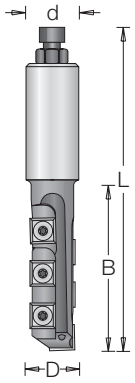


ØD	B	Ød	Tool No.	L	Repl. T.C. Knife	Max. RPM
20(25/32")	30(1-3/16")	3/4"	**RC-2300**	110(4-11/32")	RCK-16	18,000
20(25/32")	50(2")	3/4"	**RC-2304**	130(5-1/8")	RCK-28	18,000

Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For a complete replacement parts listing for the above cutters please refer to our website: ***www.amanatool.com***

INSERT STAGGER-TOOTH ROUTER BIT

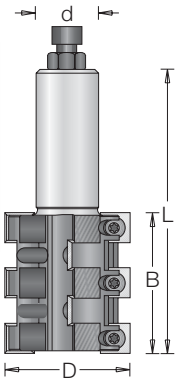
Insert straight router bit complete with two flutes and multiple cutting blades. Blades are sheared up and down to ensure a good finish on both top and bottom surfaces of laminated and veneered boards. For use on routers and machining centers with CNC control.



ØD	B	Ød	Tool No.	L	Max. RPM	Repl. T.C. Knife
22(7/8")	42(1-11/16")	3/4"	**RC-4200**	115(4-9/16")	18,000	AMA-12
22(7/8")	62(2-7/16")	3/4"	**RC-4204**	135(5-5/16")	18,000	AMA-12

INSERT ROUGH RABBETING & SIZING ROUTER BIT

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	Ød	Tool No.	L	Max. RPM	# of blades	Repl. T.C. Knife
50(2")	56(2-13/64")	3/4"	**RC-2350**	113(4-1/2")	18,000	10	AMA-12
50(2")	78(3-1/16")	3/4"	**RC-2354**	135(5-5/16")	18,000	14	AMA-12

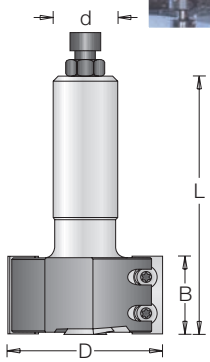
For solid carbide spiral & compression bits see pages 9-11

Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For a complete replacement parts listing for the above tools please refer to our website: ***www.amanatool.com***

Amana Tool®

INSERT STRAIGHT RABBETING WITH SCORER 2+2 DESIGN

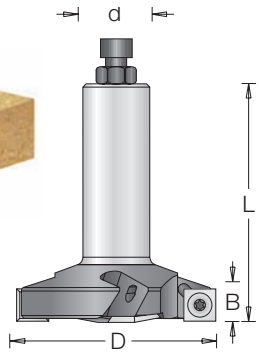
Insert rabbeting router bit complete with two cutting flutes and scorer. Suitable for trimming and rabbeting in softwood, hardwood and man-made boards. Scorer will give an improved finish at the bottom of the cut. For use on routers and machining centers with CNC control.

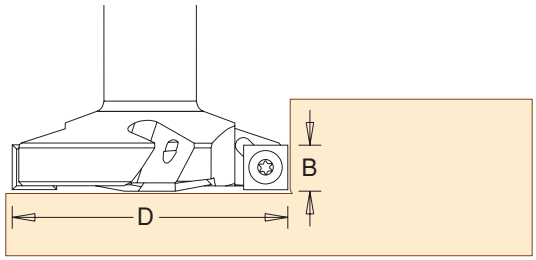


ØD	B	Ød	L	Tool No.	Max. RPM	Repl. T.C. Knife	Repl. T.C. Knife
40(1-1/2")	30(1-3/16")	3/4"	100(4")	**RC-2380**	18,000	RCK-30	RCK-70
40(1-1/2")	50(2")	3/4"	120(4-3/4")	**RC-2381**	18,000	RCK-50	RCK-70
60(2-3/8")	30(1-3/16")	3/4"	100(4")	**RC-2382**	18,000	RCK-30	RCK-70
60(2-3/8")	50(2")	3/4"	120(4-3/4")	**RC-2383**	18,000	RCK-50	RCK-70

INSERT SPOILBOARD SURFACING & RABBETING WITH SCORER 2+2 DESIGN

Insert spoilboard, planing and rabbeting router bit complete with two cutting flutes and two up-shear scorer will give excellent results in MDF, Balsa Core, hardwood, softwood and all man-made materials. A good tool for fast removal of materials over a large surface area. The scorer will give an improved finish at the bottom of the cut.





ØD	B	Ød	Tool No.	L	Max. RPM	Repl. T.C. Knife
80(3-1/8")	12(15/32")	3/4"	**RC-2252**	90(3-1/2")	18,000	HMA-12, HCK-70

For Additional Knives see page 160.

To produce MDF Shaker cabinet doors use RC-2252 and square corners with 45200.

Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For a complete replacement parts listing for the above tools please refer to our website: ***www.amanatool.com***

New

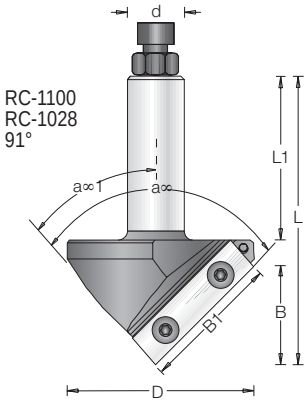
'V' GROOVE - "MITER FOLD" & SIGNMAKING INSERT ROUTER BIT

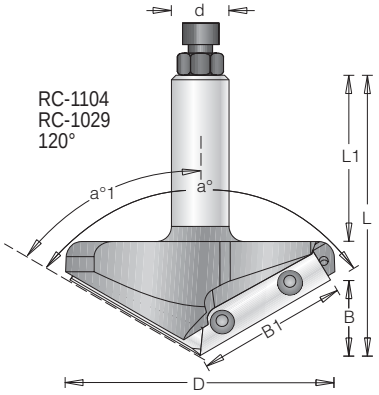
SINGLE FLUTE & 2 FLUTE

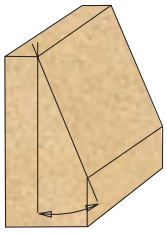
Designed to miter fold MDF, melamine and wood to a perfect joint.

3/4" SHANK

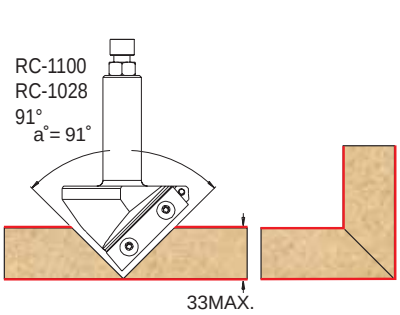
	ØD	a°	a°1	B	B1	Flutes	Tool No.	Ød	L1	L	Repl. T.C. Knife	Torx® Screw
18	2-5/8	90°	45°	1-9/32	1-27/32	1	**RC-1030**	3/4	2-5/32	3-13/16	RCK-133	67110
18	2-5/8	91°	45.5°	1-5/16	1-3/8	1	**RC-1028**	3/4	2-3/8	3-7/8	RCK-117	67110
12	3-13/32	120°	60°	31/32	1-31/32	2	**RC-1029**	3/4	2-3/8	3-27/32	RCK-112	67115
12	3-27/32	130°	60°	13/16	1-31/32	2	**RC-1025**	3/4	2-3/8	3-7/8	RCK-112	67115
12	3-25/32	150°	75°	1/2	1-31/32	2	**RC-1027**	3/4	2-3/8	3-1/2	RCK-112	67115

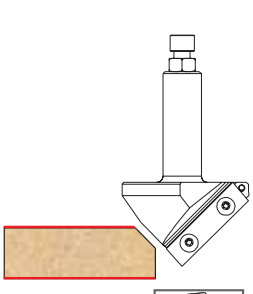




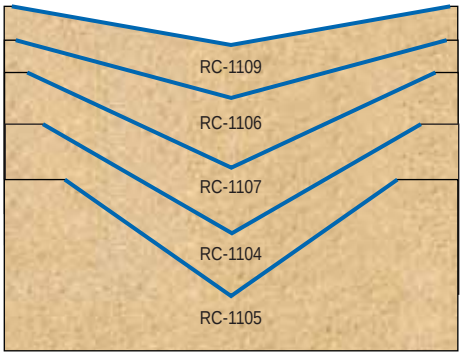


22.5°
RC-1045





ALSO FOR USE IN ROUTER TABLE



1/2" SHANK

	ØD	a°	a° 1	B	B1	Flutes	Tool No.	Ød	L1	L	Repl. T.C. Knife	Torx® Screw
18	13/16	45°	22.5°	1	1-1/16	1	**RC-1045**	1/2	1-3/8	2-3/8	RCK-56	67117
18	7/8	50°	25°	31/32	1-1/16	1	**RC-1046**	1/2	1-1/2	2-9/16	RCK-56	67117
18	1-1/32	60°	30°	29/32	1-1/16	1	**RC-1108**	1/2	1-3/8	2-7/16	RCK-56	67117
18	1-7/32	70°	35°	7/8	1-1/16	1	**RC-1048**	1/2	1-1/2	2-9/16	RCK-56	67117
22	1-1/2	90°	45°	3/4	1-1/16	1	**RC-1102**	1/2	1-25/32	3	RCK-134	67117
22	1-1/2	91°	45.5°	3/4	1-1/16	1	**RC-1100**	1/2	1-25/32	3	RCK-119	67117
22	1-5/8	100°	50°	11/16	1-1/16	1	**RC-1103**	1/2	2	3-3/16	RCK-119	67117
22	1-3/4	110°	55°	5/8	1-1/16	2	**RC-1105**	1/2	2	3-3/16	RCK-119	67117
18	2-1/32	120°	60°	9/16	1-5/32	2	**RC-1104**	1/2	2	3-1/16	RCK-136	67139
16	2-1/8	130°	65°	1/2	1-5/32	2	**RC-1107**	1/2	2	3	RCK-137	67115
14	2-1/4	150°	75°	9/32	1-5/32	2	**RC-1106**	1/2	2	2-15/16	RCK-137	67115
14	2-5/16	160°	80°	3/16	1-5/32	2	**RC-1109**	1/2	2	2-25/32	RCK-137	67115

WARNING: Maximum RPM 12 = 12,000; 14 = 14,000; 16 = 16,000; 18 = 18,000; 22 = 22,000

Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.

For a complete replacement parts listing for the above tools please refer to our website: ***www.amanatool.com***

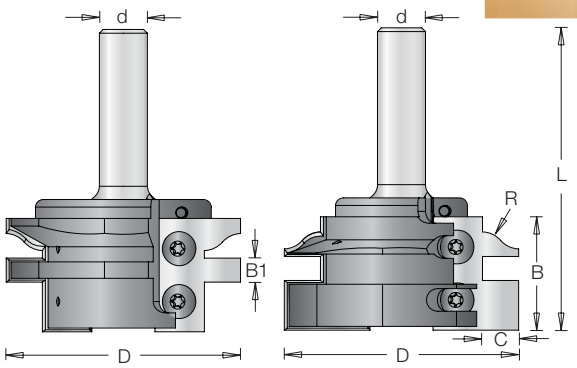
INSERT STILE & RAIL SET

New

FOR 3/4" TO 1-3/16" MATERIAL

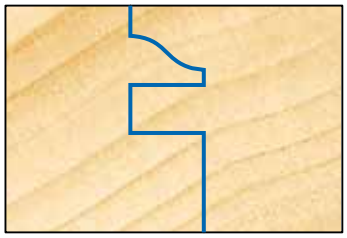
Our stile and rail sets give you two complete bits, one for doing the rail cuts and one for the stiles. Make cabinet doors and all varieties of frame-and-panel assemblies for furniture and architectural applications.

ALSO FOR USE IN ROUTER TABLE

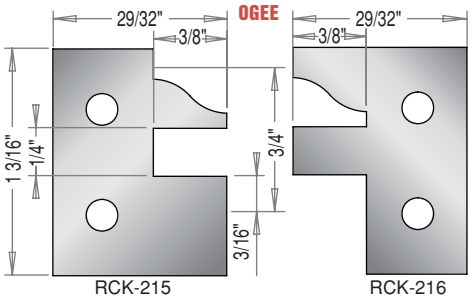


ØD	B	B1	R	Tool No.	Ød	C	L	Max. RPM
2-5/8	1-11/64	1/4	1/4	*RC-1130	1/2	3/8	3-1/8	18,000

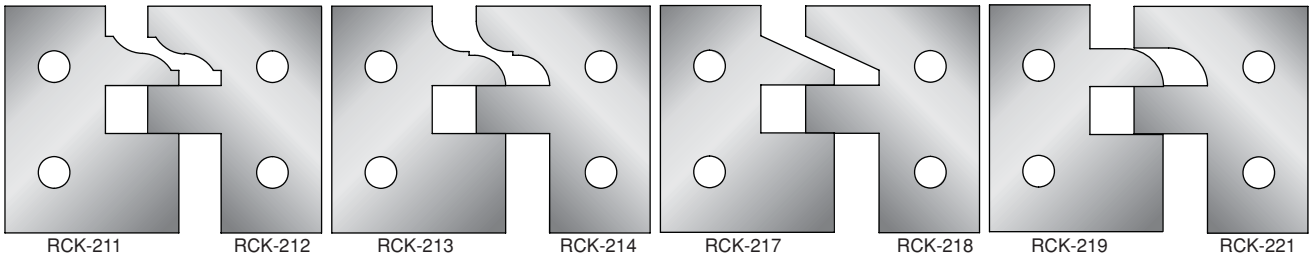
*Set comes with Ogee Knives installed (RCK-215 & RCK-216)



Additional knives sold separately.



OGEE FILLET | CLASSICAL | TRADITIONAL | CONCAVE CONVEX



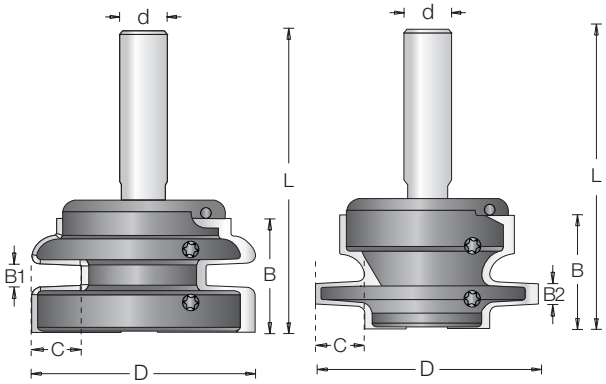
INSERT STILE & RAIL WITH EASED EDGE SET 1/2" DEEP TONGUE & GROOVE

New

FOR 3/4" TO 1-5/16" MATERIAL

Our stile and 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.

ALSO FOR USE IN ROUTER TABLE



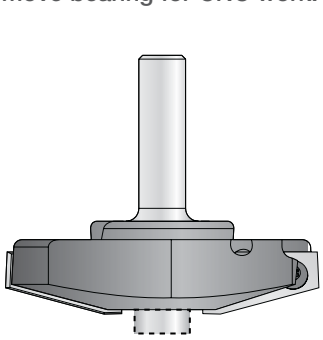
ØD	B	B1	B2	Ød	Tool No.	C	L	Max. RPM	Repl. T.C. Knife	
2-3/8"	1-3/16"	1/4"	5.5(7/32")	1/2"	RC-1132	1/2"	2"	18,000	RCK-340	RCK-342

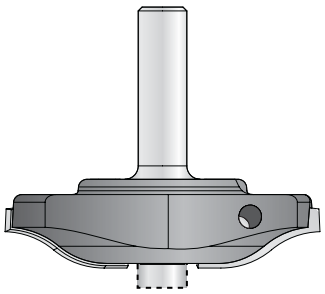
Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For a complete replacement parts listing for the above tools please refer to our website: ***www.amanatool.com***

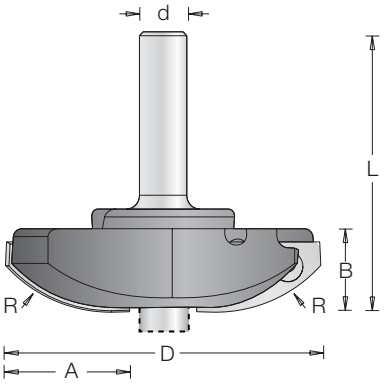
INSERT RAISED PANEL *New*

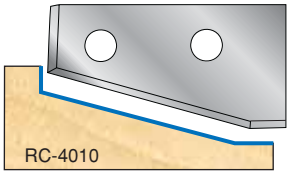
2 FLUTE

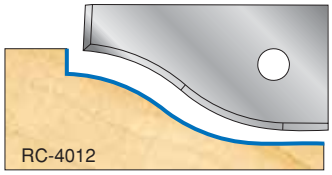
Insert Raised panel bits for CNC machine or router table. Bits include ball bearing & anti-dust plug. May also be used with optional back cutter below.
Remove bearing for CNC work.

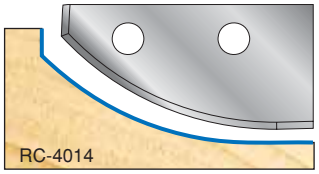




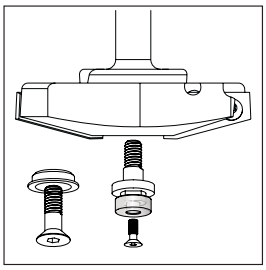








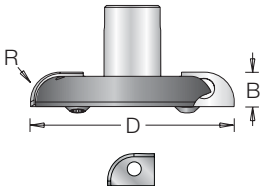
ØD	B	Ød	R	Tool No.	A	L	Repl. T.C. Knife
3-3/8	51/64	1/2	–	**RC-4010**	1-3/8	2-3/4	RCK-224
3-3/8	3/4	1/2	7/8	**RC-4012**	1-3/8	2-3/4	RCK-226
3-3/8	27/32	1/2	1-37/64	**RC-4014**	1-7/16	2-7/8	RCK-228



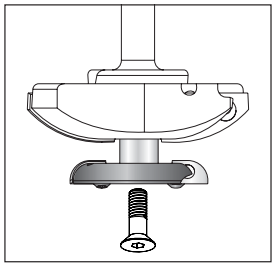
All above Insert Raised panel bits include plug, ball bearing and retaining screw.

BACK CUTTER (OPTIONAL)

FOR ABOVE INSERT RAISED PANELS
2 FLUTE



ØD	B	Tool No.	R	Repl. T.C. Knife
2-1/8	23/64	**RC-4102**	5/16	RCK-232



Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For a complete replacement parts listing for the above tools please refer to our website: ***www.amanatool.com***

instile™ & RAIL SYSTEM

New

ADJUSTABLE INSERT MISSION TONGUE & GROOVE SET

FOR 5/8" TO 1-3/16" MATERIAL

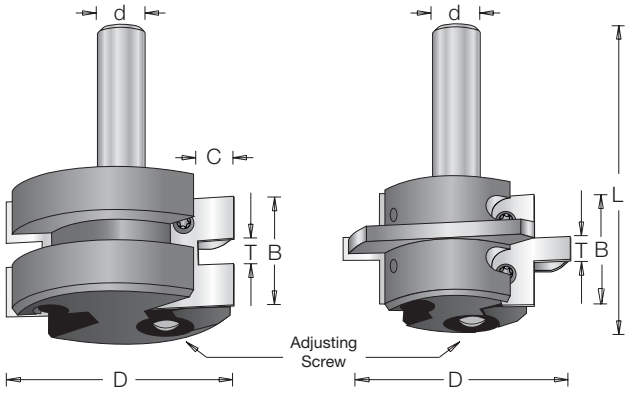
Adjust the panel groove width from 5.4mm - 6.6mm using the easy to use adjustment knob - no shims necessary.

MISSION STYLE
FLAT PANEL CABINET DOOR MAKING ROUTER BIT SET

PATENT PENDING

The perfect fix for undersized plywood flat panel "Mission Style, Arts & Crafts and Shaker" cabinet doors!
Set includes unique adjustment system.

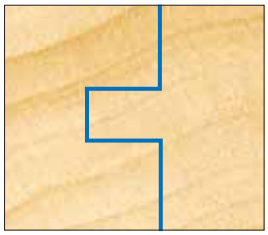
- Designed to cut precise grooves to provide undersized plywood veneered panels with a snug rattle free fit.
- Each set includes 2 pcs. (1 for stile cuts & 1 for rail cuts)

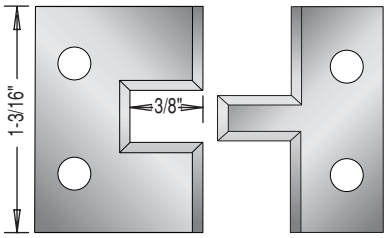


ØD	B	Ød	C	Tool No.	T	L	Max. RPM
2-3/8"	1-3/16"	1/2"	3/8"	*RC-4022	6.1-6.6(1/4" + -)	2-15/16"	18,000

*Set includes RCK-330 & RCK-332

ALSO FOR USE IN ROUTER TABLE



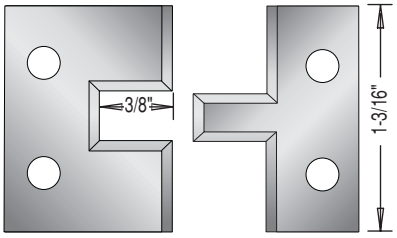


RCK-330 RCK-332

(6.1mm - 6.6mm)

Optional Knives:

- For 5.5mm undersized 1/4" plywood.
- For 5.9mm oversized 1/4" veneered plywood.



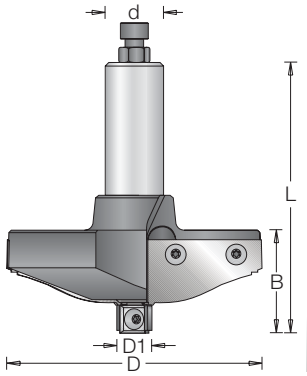
RCK-334 RCK-336

(5.4mm - 6.0mm)

Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For a complete replacement parts listing for the above tools please refer to our website: ***www.amanatool.com***

INSERT MULTI PROFILE RAISED PANEL ROUTER BIT

Insert profile router bit with two cutting flutes. Suitable for producing various raised panel profiles in softwood, hardwood and man-made boards. Tool can be supplied complete with a small trimmer for machining the edge of the panel. One router will take all eight different profiles. For use on routers and machining centers with CNC control.

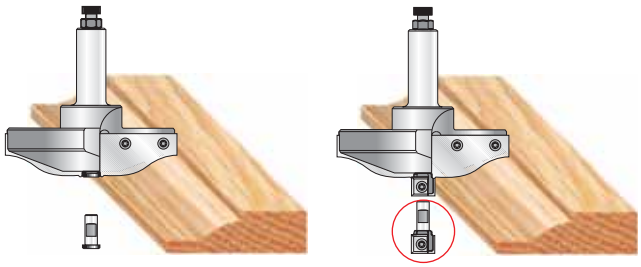


INFINITY SYSTEM™

ØD	ØD1	B	Tool No.	Ød	L	Max. RPM	Repl. T.C. Knife
112(4-7/16")	18(23/32")	28(1-1/8")	**RC-4000**	3/4"	110(4-11/32")	12,000	RCK-200
112(4-7/16")	18(23/32")	28(1-1/8")	**RC-4001**	3/4"	110(4-11/32")	12,000	RCK-210
112(4-7/16")	18(23/32")	28(1-1/8")	**RC-4002**	3/4"	110(4-11/32")	12,000	RCK-220
112(4-7/16")	18(23/32")	28(1-1/8")	**RC-4003**	3/4"	110(4-11/32")	12,000	RCK-230
112(4-7/16")	18(23/32")	28(1-1/8")	**RC-4004**	3/4"	110(4-11/32")	12,000	RCK-240
112(4-7/16")	18(23/32")	28(1-1/8")	**RC-4005**	3/4"	110(4-11/32")	12,000	RCK-250
112(4-7/16")	18(23/32")	28(1-1/8")	**RC-4006**	3/4"	110(4-11/32")	12,000	RCK-260
112(4-7/16")	18(23/32")	28(1-1/8")	**RC-4007**	3/4"	110(4-11/32")	12,000	RCK-270

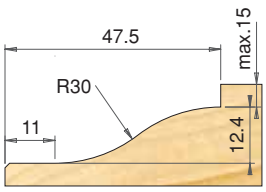
TRIMMER BIT (OPTIONAL)

ØD1	B	B1	Tool No.	Ød	L	Repl. T.C. Knife
18(23/32")	12(15/32")	18(23/32")	**RC-4100**	8(5/16")	31(1-1/4")	AMA-12

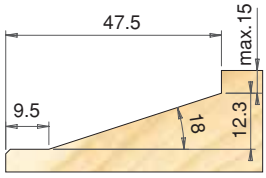


RC-4100

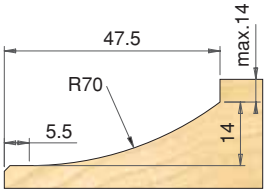
INSERT KNIVES FOR MULTI PROFILE RAISED PANEL ROUTER BIT



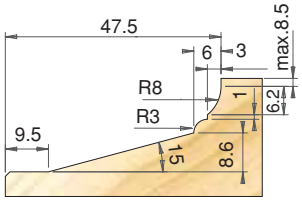
RCK-200



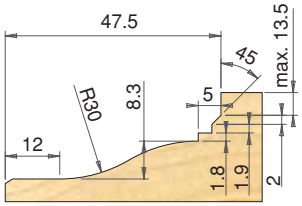
RCK-210



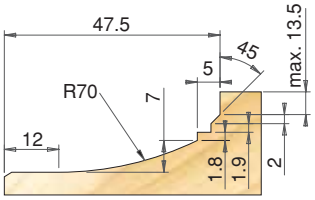
RCK-220



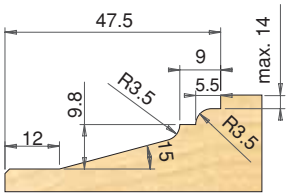
RCK-230



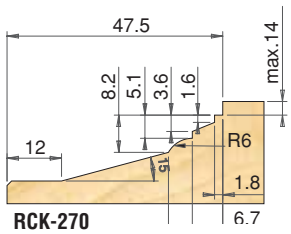
RCK-240



RCK-250



RCK-260



RCK-270

(Wood profiles not shown at actual size.)

3D renderings & tool illustrations not shown at actual size.
For a complete replacement parts listing for the above tools please refer to our website: ***www.amanatool.com***

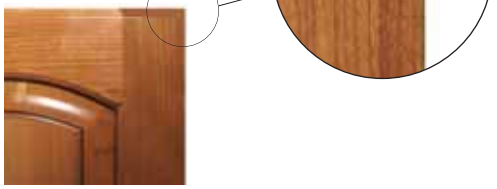
Amana Tool®

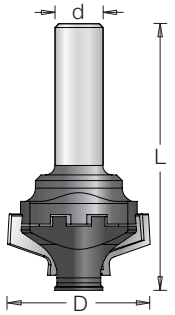
INSERT CABINET DOOR EDGE BIT

New

Cuts a decorative edge on door cabinet fronts.
Shallow design will also work well with European hinges.

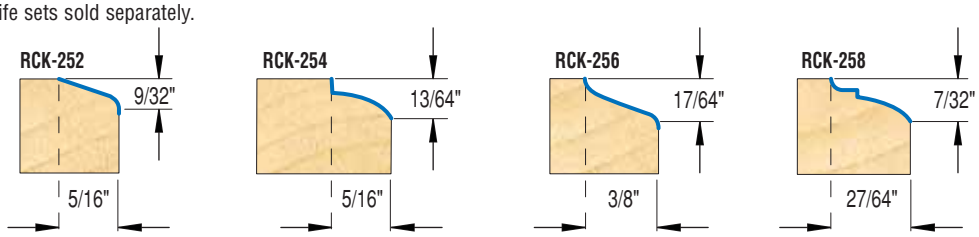
ALSO FOR USE IN ROUTER TABLE





ØD	Ød	Tool No.	L
1-1/2	1/2	* RC-2120	2-25/32

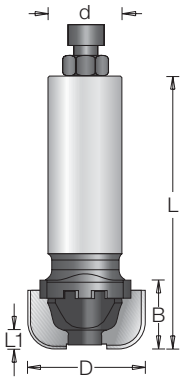
*RCK-252 included (2).
Additional knife sets sold separately.



MULTI-FACE PROFILE (EDGE) FORM ROUTER BIT

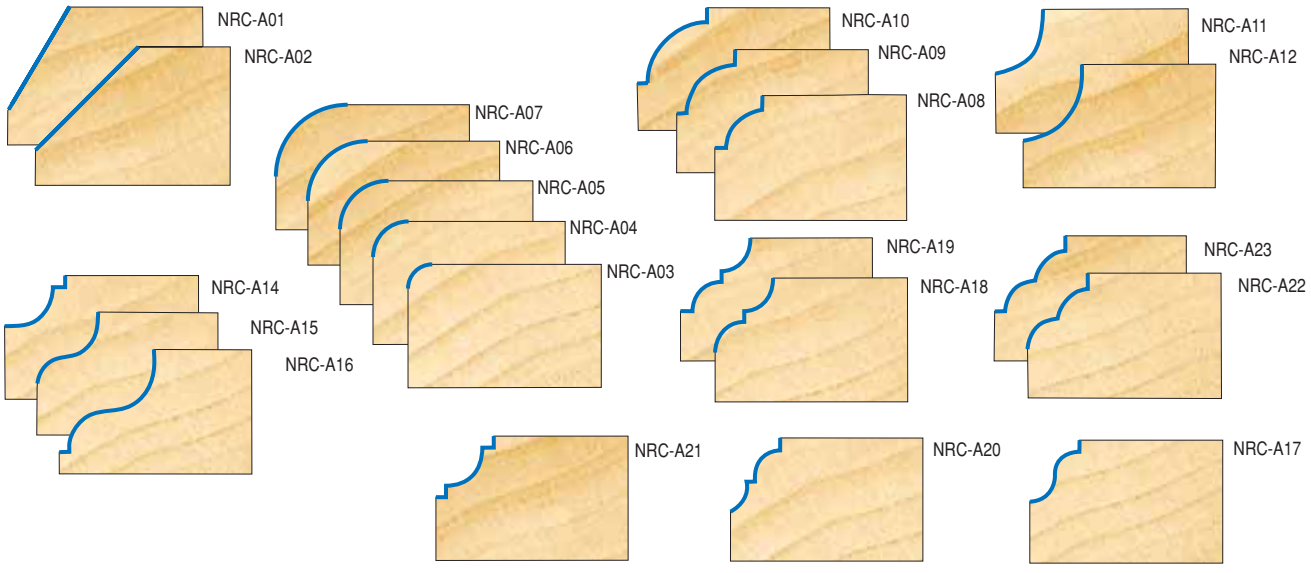
This innovative cutter is part of our patent pending Nova System (see pages 50-51). The hard, durable carbide blades provide durability, even on abrasive sheet stock. And because the profiles are interchangeable, you'll only need to purchase one bit. Choose from a wide variety of popular profiles illustrated below.

Includes both concave and convex knife retainers.



ØD	B	Ød	Tool No.	L	L1	Max. RPM
40(1-1/2")	17.5(11/16")	3/4"	* RC-2470	110.5(4-3/8")	2.5(3/32)"	28,000

*NRC-A13 included.



Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For a complete replacement parts listing for the above tools please refer to our website: ***www.amanatool.com***

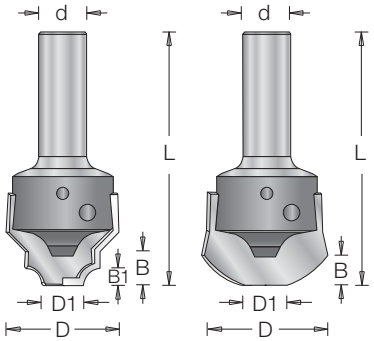
MDF CABINET DOORS INSERT BITS

New

This series of profiles utilizing our patented Nova™ Tool body system of interchangeable carbide insert knives (see pages 50-51) are designed to 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.

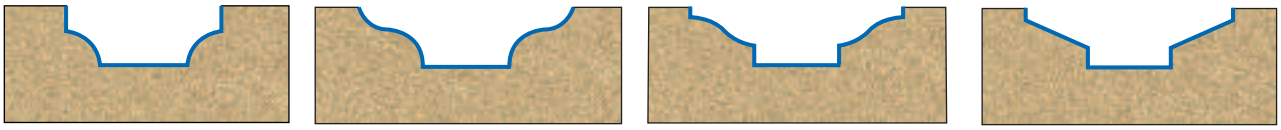


PLUNGE FORM RAISED PANEL

ØD	D1	B	Style	Tool No.	B1	Ød	L	Repl. T.C. Knife
25/32	7/16	23/64	Bead	**RC-2480**	3/16	1/2	2-5/8	RCK-480
25/32	7/16	15/32	Ogee	**RC-2481**	—	1/2	2-5/8	RCK-481
25/32	7/16	7/16	Ogee	**RC-2482**	1/4	1/2	2-5/8	RCK-482
1-3/8	15/32	25/64	Traditional	**RC-2483**	—	1/2	2-5/8	RCK-483
1-7/64	7/16	1/4	Ogee	**RC-2484**	7/64	1/2	2-5/8	RCK-484
1-11/32	23/64	17/64	Cove	**RC-2485**	—	1/2	2-5/8	RCK-485
1-11/32	25/64	21/64	Traditional	**RC-2486**	—	1/2	2-5/8	RCK-486

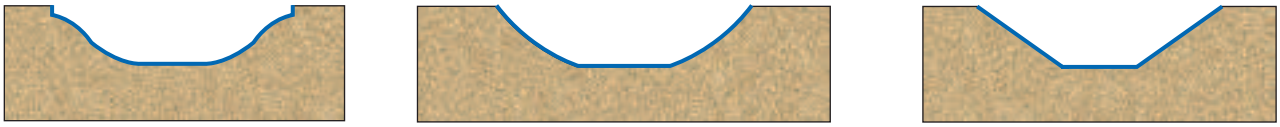
Replacement knives are interchangeable and may be purchased separately.

PLUNGE FORM



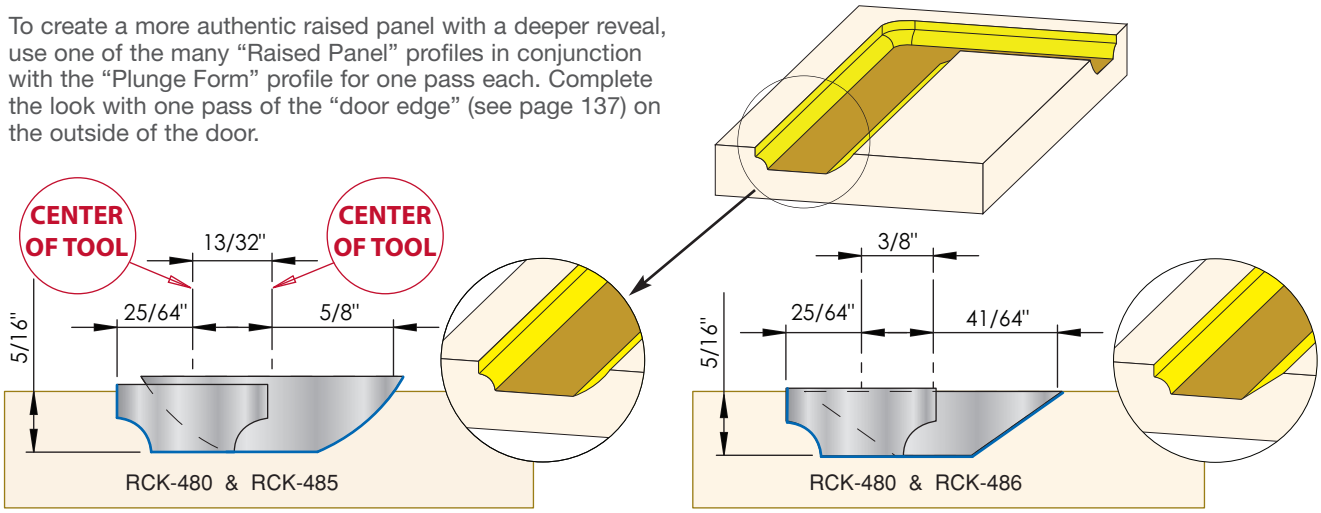
RC-2480 **RC-2481** **RC-2482** **RC-2483**

RAISED PANEL



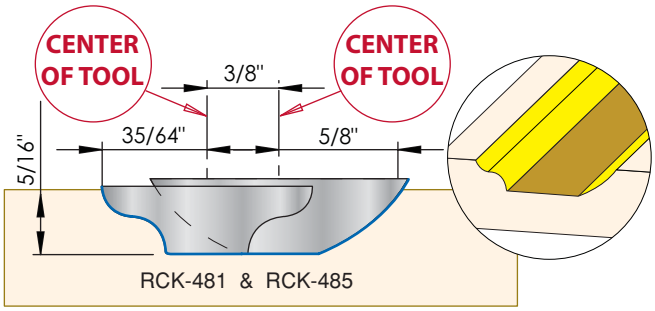
RC-2484 **RC-2485** **RC-2486**

To 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" (see page 137) on the outside of the door.

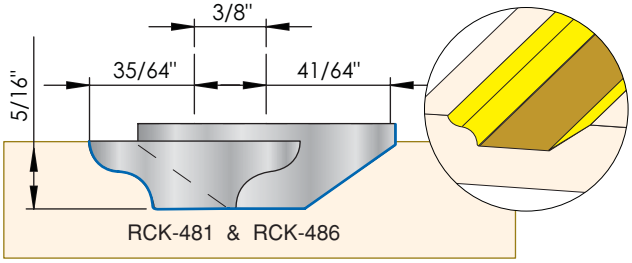


MDF profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For a complete replacement parts listing for the above cutters please refer to our website: ***www.amanatool.com***

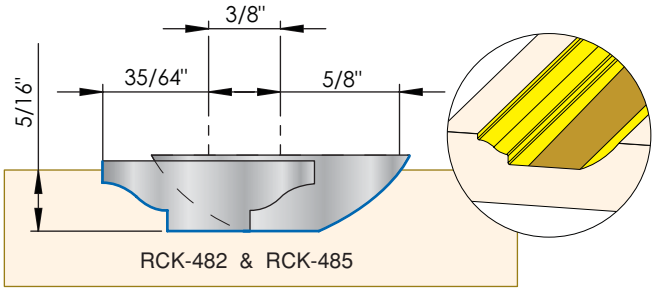
MDF CABINET DOORS INSERT BITS (CONTINUED)



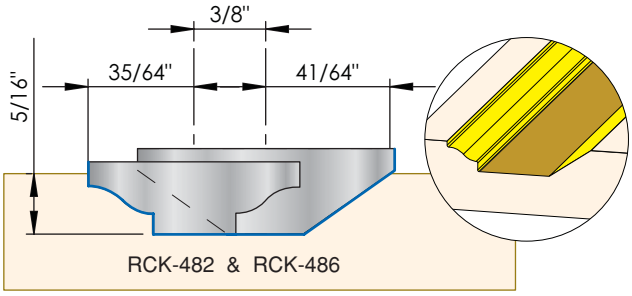
RCK-481 & RCK-485



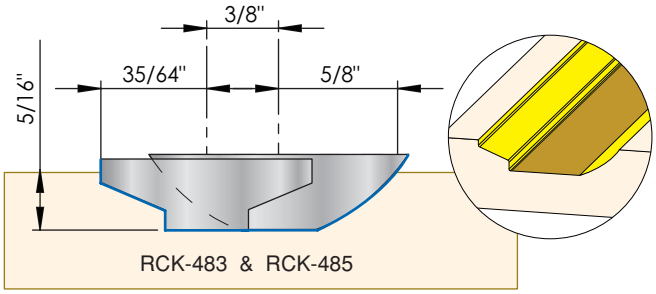
RCK-481 & RCK-486



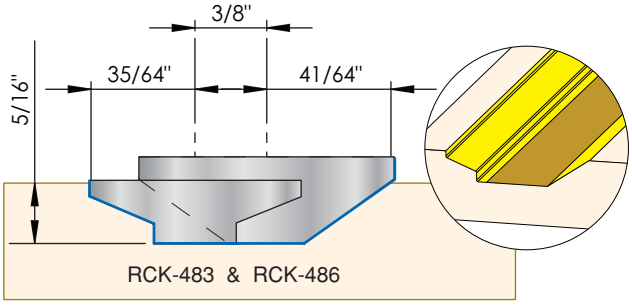
RCK-482 & RCK-485



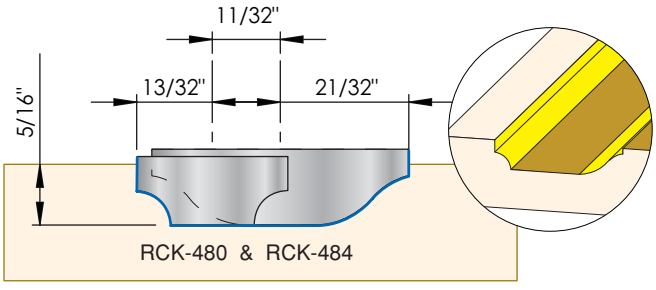
RCK-482 & RCK-486



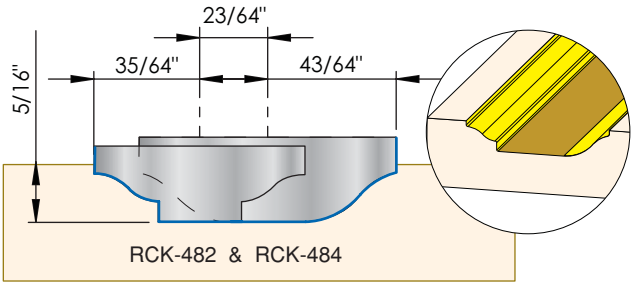
RCK-483 & RCK-485



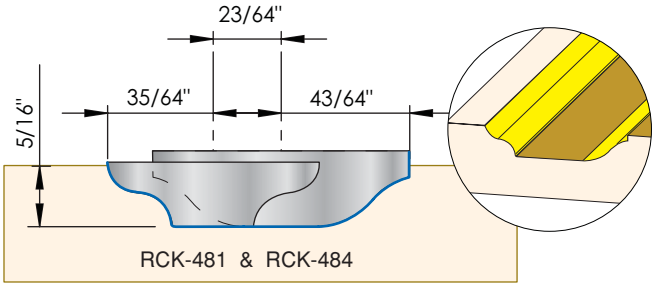
RCK-483 & RCK-486



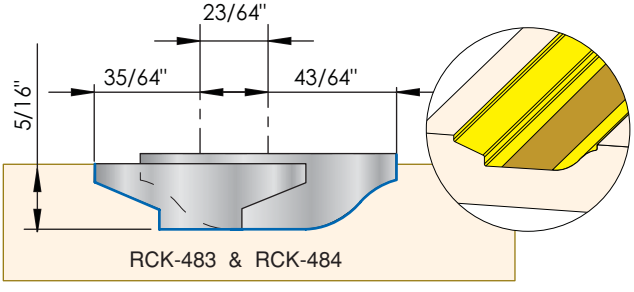
RCK-480 & RCK-484



RCK-482 & RCK-484



RCK-481 & RCK-484

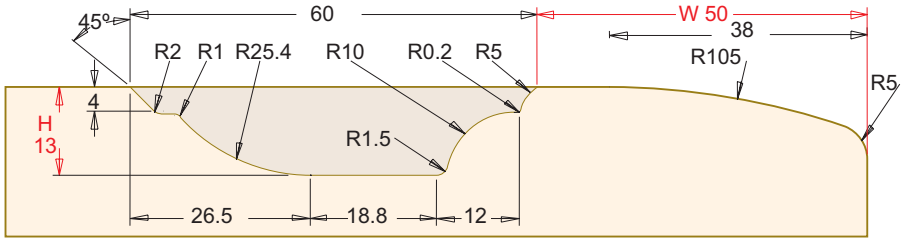


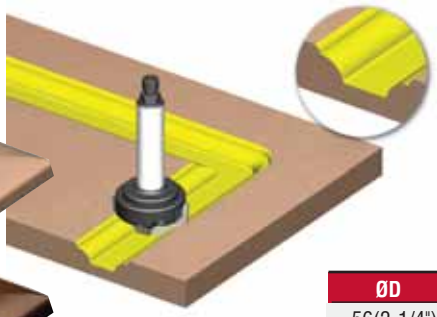
RCK-483 & RCK-484

MDF profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For a complete replacement parts listing for the above cutters please refer to our website: ***www.amanatool.com***

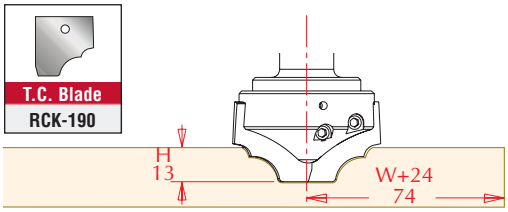
CNC MULTI PROFILE CARBIDE INSERT ROUTER BITS FOR MDF CABINET DOORS

VIOLA *Style*

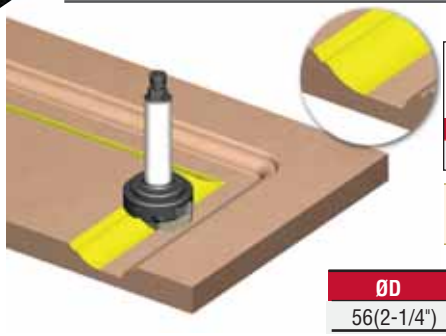




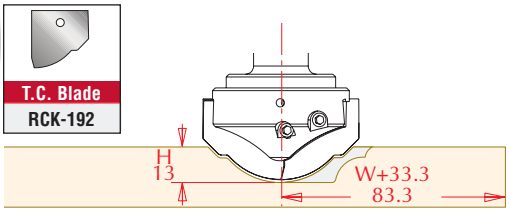
T.C. Blade
RCK-190



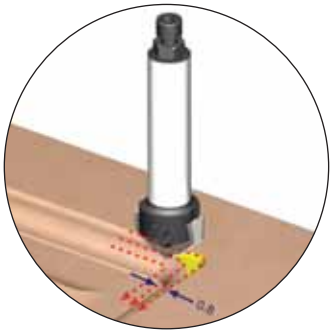
ØD	B	Tool No.	L	Ød
56(2-1/4")	25(1")	RC-2450	109(4-5/16")	3/4"

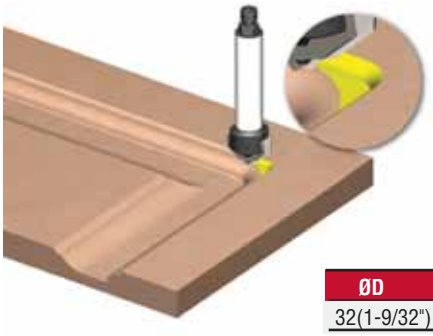


T.C. Blade
RCK-192

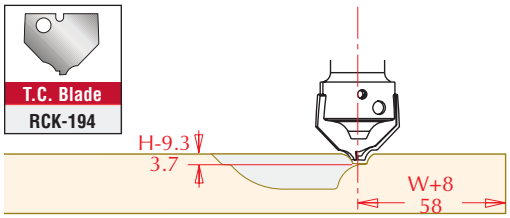


ØD	B	Tool No.	L	Ød
56(2-1/4")	25(1")	RC-2452	109(4-5/16")	3/4"





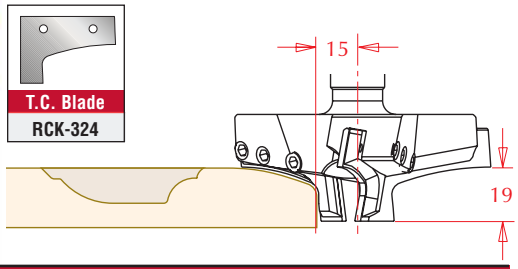
T.C. Blade
RCK-194



ØD	B	Tool No.	L	Ød
32(1-9/32")	24(15/16")	RC-2454	109(4-5/16")	3/4"

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.

T.C. Blade
RCK-324

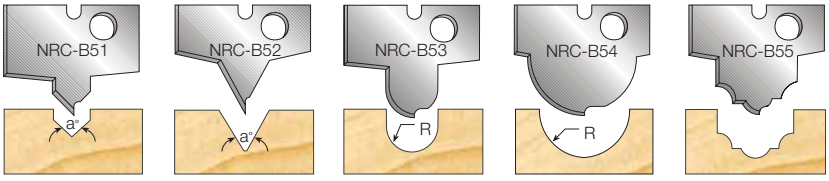


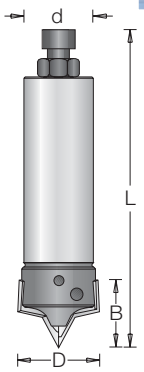
ØD	B	Tool No.	L	Ød
106(4-3/16")	20(7/8")	RC-4070	99.5(3-29/32")	3/4"

Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For a complete replacement parts listing for the above tools please refer to our website: ***www.amanatool.com***

MULTI-FACE PROFILE ROUTER BIT

This selection of bits is specifically designed for plunge cutting. The sharp point ensures a clean, smooth entry, and the special carbide inserts can be quickly and easily replaced.





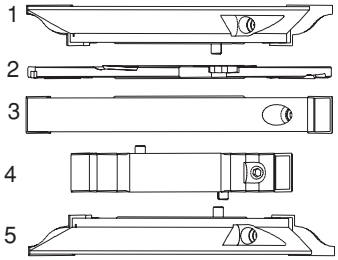
ØD	a°	R	Profile	Tool No.	Ød	L	Max. RPM
29.5(1-5/32")	45	—	NRC-B51	**RC-2460**	3/4"	82.5(3-1/4")	28,000
29.5(1-5/32")	30	—	NRC-B52	**RC-2462**	3/4"	82.5(3-1/4")	28,000
29.5(1-5/32")	—	6.3(1/4")	NRC-B53	**RC-2464**	3/4"	82.5(3-1/4")	28,000
29.5(1-5/32")	—	12.5(1/2")	NRC-B54	**RC-2466**	3/4"	82.5(3-1/4")	28,000
29.5(1-5/32")	—	4(5/32")	NRC-B55	**RC-2468**	3/4"	82.5(3-1/4")	28,000

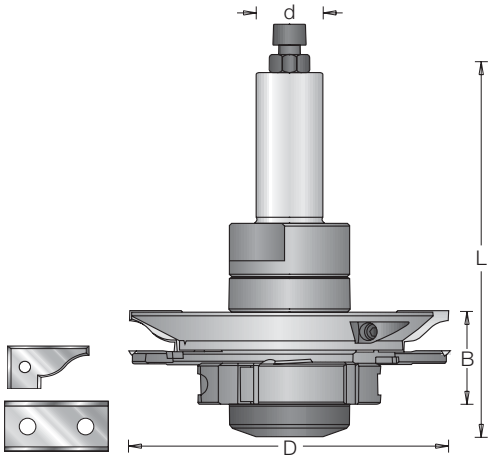
Custom sizes available.

INSERT STILE & RAIL ROUTER BIT SETS

Insert stile and rail CNC router bit set comes with up to five different stacking cutters and interchangeable knives for producing various stile and rail profiles.

For softwood, hardwood and man-made boards.

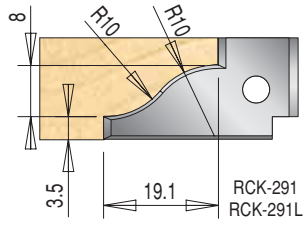




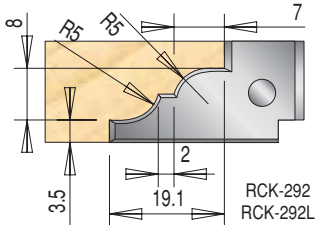
Sets:

ØD	Set No.	Cutters	B	Profile	Ød	Tool No.	Max. RPM	Repl. T.C. Knife
120(4-3/4")	1	1,2,3,4	20-35(7/8"-1-3/8")	1	3/4"	**RC-2260**	12,000	RCK-291, RCK-19, RCK-71, RCK-68, RCK-11
120(4-3/4")	1	1,2,3,4	20-35(7/8"-1-3/8")	2	3/4"	**RC-2262**	12,000	RCK-292, RCK-19, RCK-71, RCK-68, RCK-11
120(4-3/4")	1	1,2,3,4	20-35(7/8"-1-3/8")	3	3/4"	**RC-2264**	12,000	RCK-294, RCK-19, RCK-71, RCK-68, RCK-11
120(4-3/4")	1	1,2,3,4	20-35(7/8"-1-3/8")	4	3/4"	**RC-2266**	12,000	RCK-296, RCK-19, RCK-71, RCK-68, RCK-11
120(4-3/4")	2	1,2,3,4,5	20-35(7/8"-1-3/8")	1	3/4"	**RC-2268**	12,000	RCK-291, RCK-19, RCK-71, RCK-68, RCK-11, RCK-291L
120(4-3/4")	2	1,2,3,4,5	20-35(7/8"-1-3/8")	2	3/4"	**RC-2270**	12,000	RCK-292, RCK-19, RCK-71, RCK-68, RCK-11, RCK-292L
120(4-3/4")	2	1,2,3,4,5	20-35(7/8"-1-3/8")	3	3/4"	**RC-2272**	12,000	RCK-294, RCK-19, RCK-71, RCK-68, RCK-11, RCK-294L
120(4-3/4")	2	1,2,3,4,5	20-35(7/8"-1-3/8")	4	3/4"	**RC-2274**	12,000	RCK-296, RCK-19, RCK-71, RCK-68, RCK-11, RCK-296L

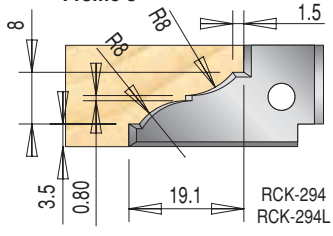
Profile 1



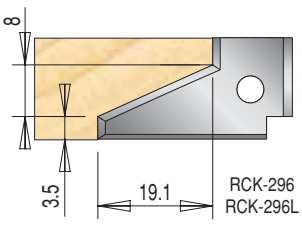
Profile 2



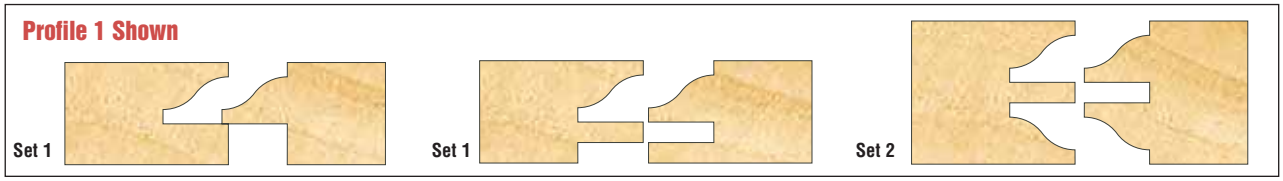
Profile 3



Profile 4



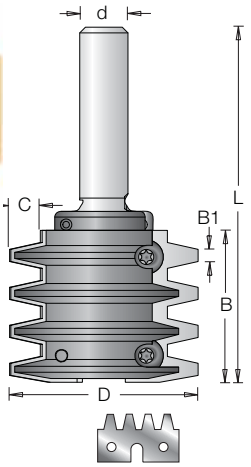
Profile 1 Shown



INSERT GLUE JOINT

New

Insert glue joint router bit complete with two cutting flutes. Suitable for producing finger joints in softwood, hardwood and man-made boards. For use on routers and machining centers with CNC control.

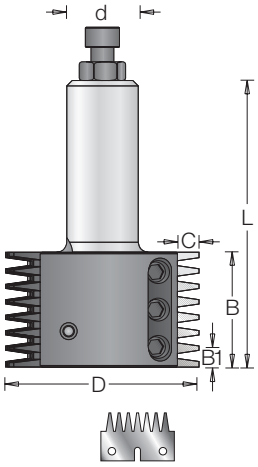


ALSO FOR USE IN ROUTER TABLE

ØD	B	B1	C	Ød	Tool No.	L	Max. RPM	Repl. T.C. Knife
50(2")	40(1-1/2")	3(1/8")	8(5/16")	1/2"	**RC-2246**	94(3-11/16")	18,000	RCK-234

INSERT FINGER JOINT ROUTER BIT

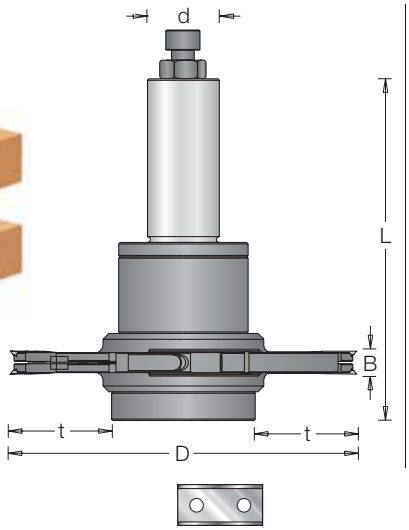
Insert finger jointing router bit complete with two cutting flutes. Suitable for producing finger joints in softwood, hardwood and man-made boards. For use on routers and machining centers with CNC control.



ØD	B	B1	C	Ød	Tool No.	L	Max. RPM	Repl. T.C. Knife
70(2-3/4")	40(1-1/2")	5.4(7/32")	8(5/16")	3/4"	**RC-2240**	100(4")	12,000	RCK-92

INSERT ADJUSTABLE GROOVING ROUTER BIT (4-15MM)

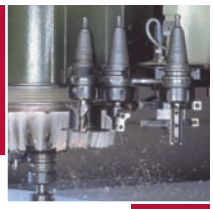
Hard wearing steel body complete with tungsten carbide knives and scorer for improved finish. Suitable for producing various thickness grooves and slots in softwood, hardwood and man-made boards (with or without coating). Cutting width can be adjusted in 0.1mm steps by using supplied spacer rings. Replaceable inserts ensure a constant cutting diameter and finish quality. For use on routers and machining centers with CNC control.



ØD	B	t	Ød	Tool No.	L	Max. RPM	Repl. T.C. Knife
120(4-3/4")	4-15.5(5/32"-5/8")	1-3/16"	3/4"	**RC-2340**	120(4-3/4")	12,000	AMA-17, RCK-71, RCK-18

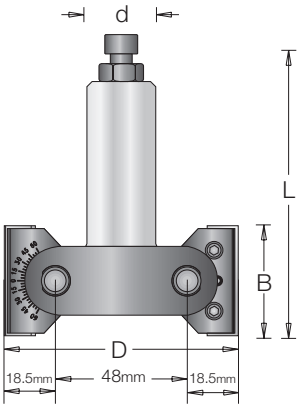
Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For a complete replacement parts listing for the above tools please refer to our website: ***www.amanatool.com***

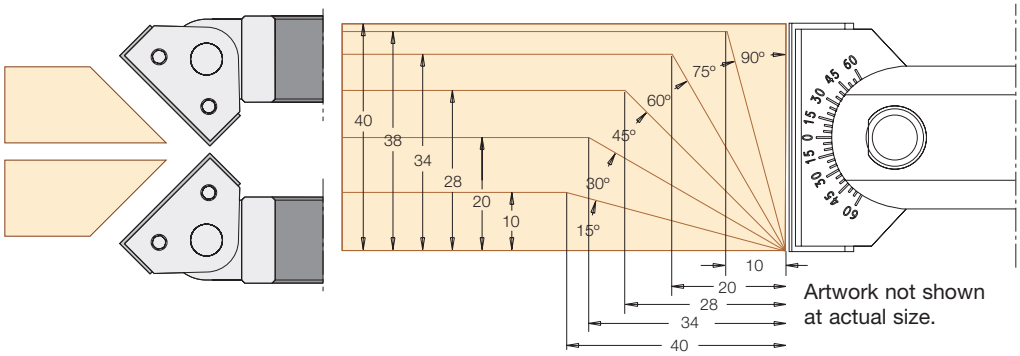
Amana Tool®



INSERT ADJUSTABLE CHAMFER ROUTER BIT

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.



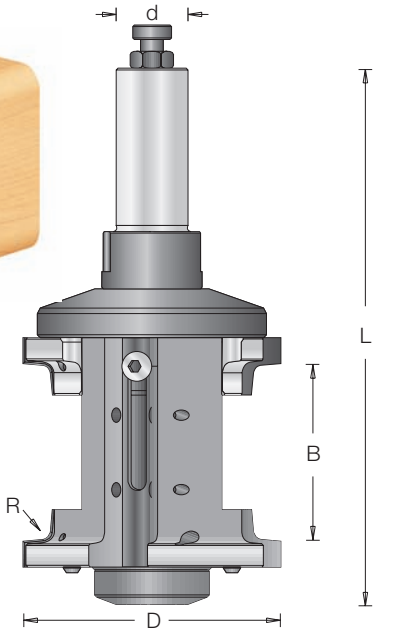


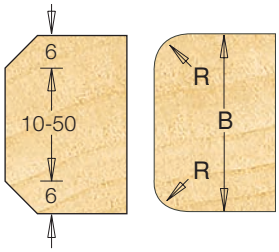
Artwork not shown at actual size.

ØD	B	a°	Ød	Tool No.	L	Max. RPM	Repl. T.C. Knife
85(3-3/8")	40(1-1/2")	-45° → +90°	3/4"	**RC-2370**	100(4")	12,000	RCK-40

INSERT DOUBLE ROUNDING AND CHAMFERING ROUTER BIT SYSTEM

Insert profile router bit with two cutting flutes. Suitable for profiling in softwood, hardwoods and man-made boards (with or without coating). Tool will be supplied with special inserts and backing plates ground to the customer's own specification. For use on routers and machining centers with CNC control.





RCK-290
RCK-290L

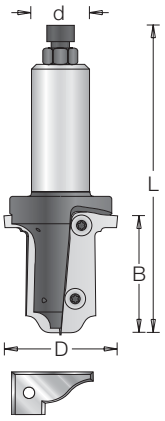
ØD	R/a°	B	Tool No.	Ød	L	Max. RPM	Repl. T.C. Knife UPPER	LOWER	
90(3-9/16")	3	18-58(25/32 to 2-9/32")	**RC-2200**	3/4"	186(7-5/16")	10,000	RCK-280	RCK-280L	ICK-60
90(3-9/16")	4	18-58(25/32" to 2-9/32")	**RC-2202**	3/4"	186(7-5/16")	10,000	RCK-282	RCK-282L	ICK-60
90(3-9/16")	5	18-58(25/32" to 2-9/32")	**RC-2204**	3/4"	186(7-5/16")	10,000	RCK-284	RCK-284L	ICK-60
90(3-9/16")	6	18-58(25/32" to 2-9/32")	**RC-2206**	3/4"	186(7-5/16")	10,000	RCK-286	RCK-286L	ICK-60
90(3-9/16")	8	20-60(13/16" to 2-3/8")	**RC-2208**	3/4"	186(7-5/16")	10,000	RCK-288	RCK-288L	ICK-60
90(3-9/16")	10	22-62(7/8" to 2-7/16")	**RC-2210**	3/4"	186(7-5/16")	10,000	RCK-289	RCK-289L	ICK-60
90(3-9/16")	45°	12-62(1/2" to 2-7/16")	**RC-2212**	3/4"	186(7-5/16")	10,000	RCK-290	RCK-290L	ICK-60
Complete Set	3-10 & 45°	12-62(1/2" to 2-7/16")	**RC-2214**	3/4"	186(7-5/16")	10,000			

Available in 25x55 (1" to 2-5/32") - Special Order.

Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For a complete replacement parts listing for the above tools please refer to our website: ***www.amanatool.com***

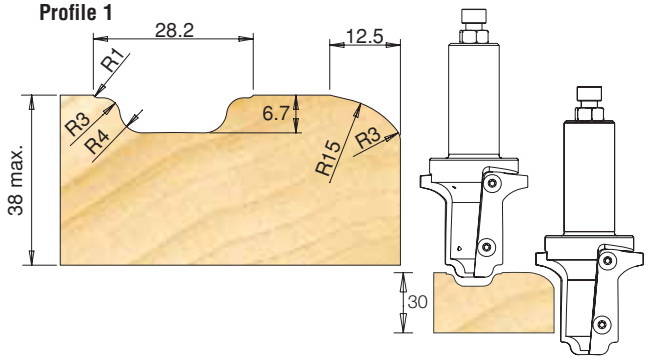
INSERT MULTI PURPOSE PROFILE ROUTER BIT

Insert straight router bit with two cutting flutes. Suitable for profiling in softwood, hardwood and man-made board (with or without coating). Tool will be supplied with standard inserts (profile 1 or 2), or can be supplied with special inserts, ground to the customer's own specification. For use on routers and machining centers with CNC control.

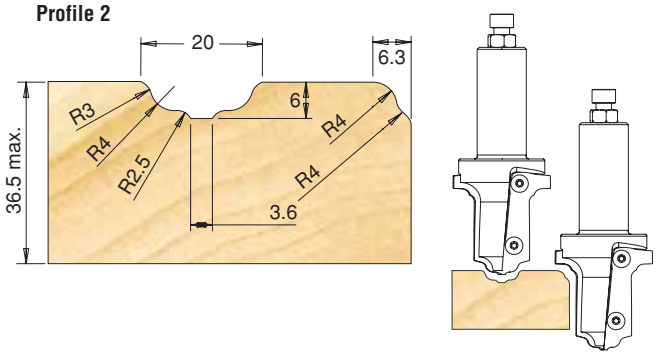


ØD	B	Profile	Ød	Tool No.	L	Max. RPM	Repl. T.C. Knife
50(2")	60(2-3/8")	1	3/4"	**RC-2360**	120(4-3/4")	18,000	RCK-172
50(2")	60(2-3/8")	2	3/4"	**RC-2362**	120(4-3/4")	18,000	RCK-174

Profile 1



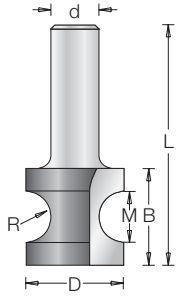
Profile 2



BULLNOSE

2 FLUTE & 3 FLUTE

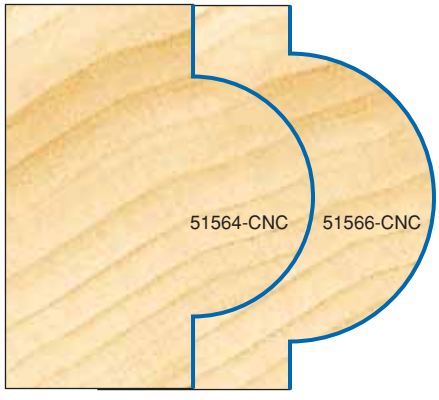
Shape the full edge of a workpiece with a bullnose radius bit. Ideal for shaping stair treads, window sills, table and counter edges, shelves, and making moldings. The "nose diameter" (M) is the thickness of stock that can be nosed, i.e., given a full 180-degree roundover. Flats at top and bottom of 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	Flute	Tool No.	ØD	Ød	L	Max. RPM
1-1/4	5/8	2	2	**★51564-CNC**	2	1/2	3-1/2	18,000
1-1/2	3/4	2	3	**★51566-CNC**	2-3/8	1/2	3-1/2"	18,000

*'M' denotes thickness of material on which a full 180 roundover can be accomplished.

★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.



For solid carbide spiral & compression bits see pages 9-11

Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For a complete replacement parts listing for the above tools please refer to our website: ***www.amanatool.com***

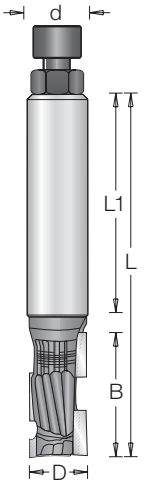
DIAMOND TECHNOLOGY

POLYCRYSTALLINE DIAMOND (PCD)

If you're looking for the ultimate in tooling, you've found it. Our Polycrystalline Diamond tooling will cut a wide variety of tough, abrasive materials including particleboard, medium density fiberboard (MDF), plywood and plastic. Yet the cutting edge lasts up to 200 times longer than carbide. In the long run Polycrystalline Diamond is the most economical choice.

DIAMOND TIPPED (PCD) ROUTER BIT UP/DOWN-SHEAR W/CARBIDE PLUNGE POINT RH ROTATION

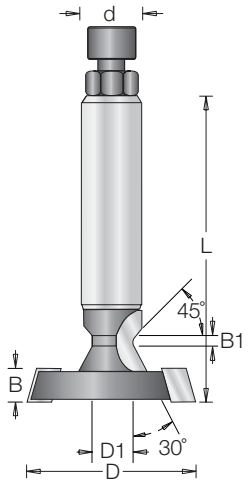
Diamond tipped router bit for grooving, jointing & rabbeting in composite materials (particleboard, MDF both raw or with melamine, veneer, hardwood, etc.). Up/Down-shear for double sided material. Resharpening one to two times. Number of blades 1+1.



							CHIPBOARD WITH PLASTIC COATING Multipliers for Different Materials: MDF: 0.8, Chipboard without coating: 1.1 Cross grain veneer: 0.7			
							Feed Rate mm/min		Feed Rate inches/min	
ØD	B	Ød	L1	L	Tool No.	Max. RPM	FROM	UP TO	FROM	UP TO
1/2	1	1/2	1-3/8	2-3/4	DRB-200	30,000	5,400	9,000	213	354
1/2	1	1/2	1-3/4	3-3/8	DRB-204	30,000	5,400	9,000	213	354
1/2	1-3/8	1/2	1-3/4	3-3/4	DRB-208	30,000	5,040	8,400	198	331
5/8	1	1/2	1-3/8	2-7/8	DRB-212	27,000	6,300	9,450	248	372
5/8	1-5/8	5/8	1-3/4	4	DRB-216	27,000	3,600	5,400	128	170
3/4	1	3/4	2	3-3/8	DRB-220	24,000	7,560	10,080	298	397
3/4	1-3/8	3/4	2	3-3/4	DRB-224	24,000	6,660	8,880	262	350
3/4	1-5/8	3/4	2	4	DRB-228	24,000	5,760	7,680	227	302
3/4	2-1/16	3/4	2	4-1/2	DRB-232	24,000	4,500	6,000	0	0

DIAMOND TIPPED (PCD) 'T' SLOT ROUTER BIT

'T' Slot diamond tipped router (standard 'T' slot). Use with particleboard MDF, both raw or with melamine, veneer, hardwood, etc. Re-sharpening one to two times.



ØD	B	D1	# of blades	Tool No.	B1	Ød	L	Max. RPM
1-3/8	1/4	3/8	2+1	DRB-300-RH	1/16	1/2	2-3/8	30,000
1-3/8	1/4	3/8	2+1	DRB-304-LH	1/16	1/2	2-3/8	30,000

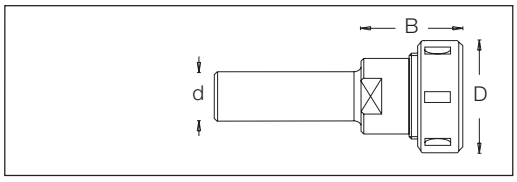
Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For a complete replacement parts listing for the above cutters please refer to our website: ***www.amanatool.com***

CNC Accessories

REPLACEMENT PARTS — ADAPTER/HOLDER

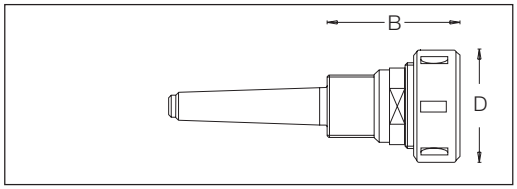
STRAIGHT ADAPTER FOR ER COLLETS

ØD	Adapter Standard	Tool No.	B	Ød	Collet Standard
50(2")	—	**HO-100**	55(2-5/32")	20(7/8")	ER32
63(2-1/2")	—	**HO-104**	55(2-5/32")	25(1")	ER40



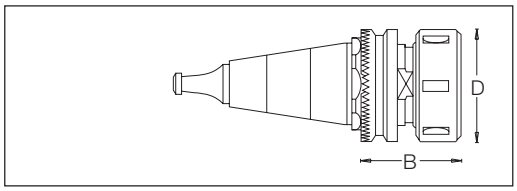
STRAIGHT ADAPTER FOR ER32 COLLETS

ØD	Adapter Standard	Tool No.	B	Collet Standard
50(2")	M2	**HO-108**	60(2-3/8")	ER32



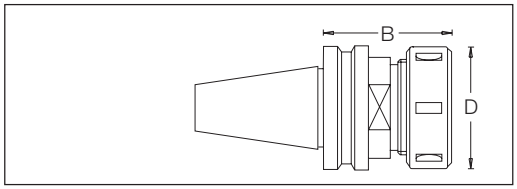
ISO TOOL HOLDER WITH PULL STUD FOR MORBIDELLI & SCM MACHINES

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



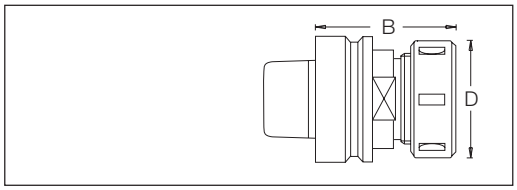
ISO TOOL HOLDER

D	Adapter Standard	Tool No.	B	Collet Standard
50(2")	ISO30	**HO-116**	50(2")	ER32
63(2-1/2")	ISO30	**HO-120**	55(2-5/32")	ER40
50(2")	ISO40	**HO-124**	63(2-1/2")	ER32
63(2-1/2")	ISO40	**HO-128**	73(2-7/8")	ER40



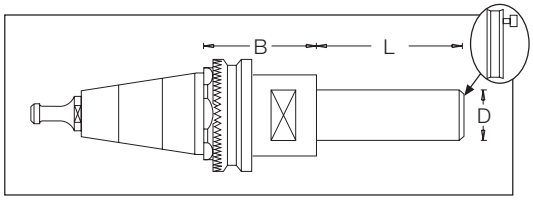
HSK TOOL HOLDER

ØD	Adapter Standard	Tool No.	B	Collet Standard
50(2")	HSK63F	**HO-132**	68(2-11/16")	ER32
63(2-1/2")	HSK63F	**HO-136**	68(2-11/16")	ER40



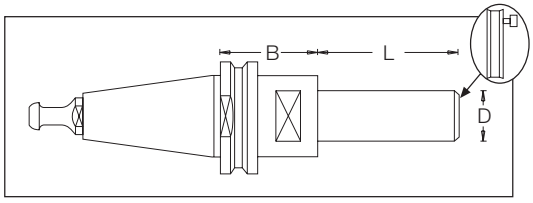
ISO TOOL HOLDER WITH ARBOR FOR MORBIDELLI MACHINES*

ØD	Adapter Standard	Tool No.	B	L
30(1-3/16")	ISO30	**HO-140**	35(1-3/8")	70(2-3/4")
30(1-3/16")	ISO30	**HO-144**	35(1-3/8")	100(4")



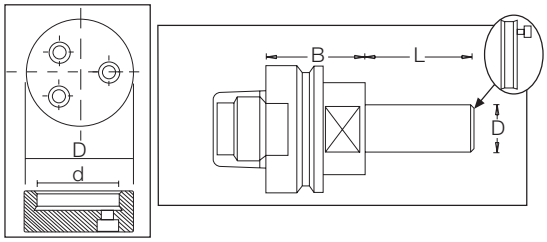
ISO TOOL HOLDER WITH ARBOR*

ØD	Adapter Standard	Tool No.	B	L
30(1-3/16")	ISO30	**HO-148**	35(1-3/8")	70(2-3/4")
30(1-3/16")	ISO30	**HO-152**	35(1-3/8")	100(4")



HSK TOOL HOLDER WITH AN ARBOR*

ØD	Adapter Standard	Tool No.	B	L
30(1-3/16")	HSK63F	**HO-156**	33(1-5/16")	70(2-3/4")
30(1-3/16")	HSK63F	**HO-160**	33(1-5/16")	100(4")

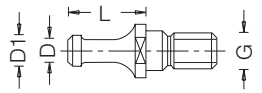


*Fixing flange on arbor supplied with screws.

Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.

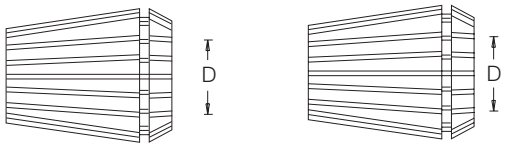
REPLACEMENT PARTS — RETAINING STUD FOR MACHINES

Machine	ØD1	ØD	Tool No.	Adapter	L	G
Morbidelli, SCM	8.5(11/32")	6.5(1/4")	**CO-300**	ISO30	22(7/8")	M10
Busellato, Weeke, Bulleri, Maka	13(1/2")	9(3/8")	**CO-304**	ISO30	24(15/16")	M12
Cosmec, Reichenbacher	19(3/4")	14(9/16")	**CO-308**	ISO40	26(1-1/32")	M16
Alberti, Vitap, Masterwood	13(1/2")	9(3/8")	**CO-312**	ISO30	24(15/16")	M12
Esseteam	12(15/32")	8(5/16")	**CO-316**	ISO30	24(15/16")	M12
CMS	12.8(1/2")	9(3/8")	**CO-320**	ISO30	24(15/16")	M12
Belotti	13(1/2")	9(3/8")	**CO-324**	ISO30	23(15/16")	M12
Biesse	13(1/2")	9(3/8")	**CO-328**	ISO30	24(15/16")	M12
Biesse, Masterwood	12(15/32")	8(5/16")	**CO-332**	ISO30	24(15/16")	M12
Komo	13(1/2")	9(3/8")	**CO-336**	BT30	24(15/16")	M12
Shoda (BT30-BT40), Heian (BT35)	11(7/16")	7(9/32")	**CO-340**	BT30	23(15/16")	M12
	13(1/2")	8.5(11/32")	**CO-344**	BT35	28(1-1/8")	M12
	15(19/32")	10(13/32")	**CO-348**	BT40	35(1-3/8")	M16



Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.

REPLACEMENT PARTS — COLLETS FOR ER32 NUT & ER40 NUT



ØD	ER32 Tool No.	ER40 Tool No.
2-3	CO-100	-
3-4	CO-104	CO-200
4-5	CO-108	CO-202
5-6	CO-112	CO-204
6-7	CO-116	CO-206
7-8	CO-120	CO-208
8-9	CO-124	CO-210
9-10	CO-130	CO-212
10-11	CO-134	CO-214
11-12	CO-138	CO-216
12-13	CO-142	CO-218
13-14	CO-146	CO-220
14-15	CO-150	CO-222
15-16	CO-154	CO-224
16-17	CO-158	CO-226
17-18	CO-162	CO-228
18-19	CO-166	CO-230
19-20	CO-170	CO-232
20-21	—	CO-234
21-22	—	CO-236
22-23	—	CO-238
23-24	—	CO-240
24-25	—	CO-242
25-26	—	CO-244
1/4"	CO-174	CO-246
3/8"	CO-178	CO-248
1/2"	CO-182	CO-250
5/8"	CO-186	CO-252
3/4"	CO-190	CO-254

REPLACEMENT PARTS — KEY

ØD	Tool No.
For ER32 nut	WR-100
For ER40 nut	WR-104

For CNC Collets see page 146.

Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.

CNC Router Bit Feed Rate Info

The following charts give you the **recommended** feed rates for working with different spiral family groups on different wood types, plastics & aluminium. Because of the dependency which we have between the cutting conditions and the non-uniformity of the wood pieces, it is important to understand that these values are only recommendations. Wood fiber direction, wood type, wood humidity, clamping stiffness, machine stiffness, etc., all these variables together or one by one can change the cutting condition. It is recommended that in any new application, you reach the recommended feed rate gradually and if the cutting quality is OK, you can continue to increase the feed rate values. Please remember, the larger your chip per tip (high feed rate) the lifetime of the tool is increased.

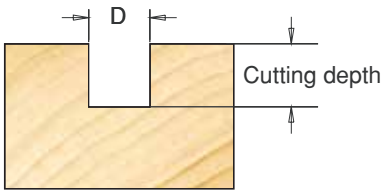
Explanation of the charts

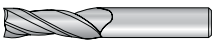
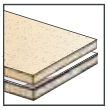
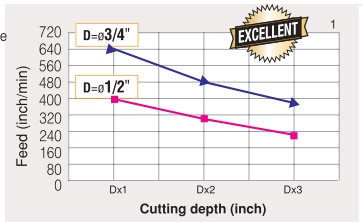
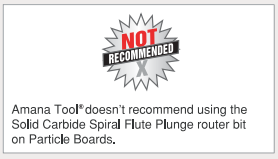
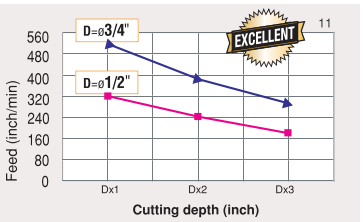
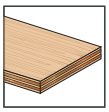
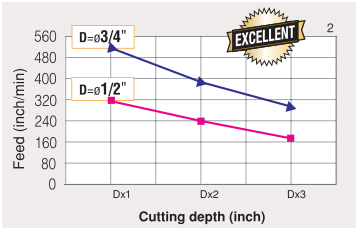
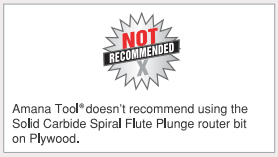
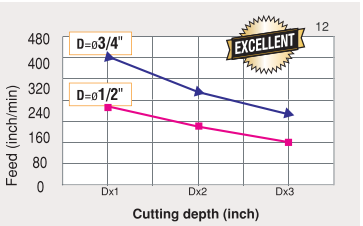
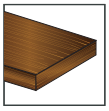
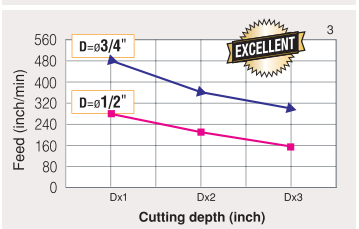
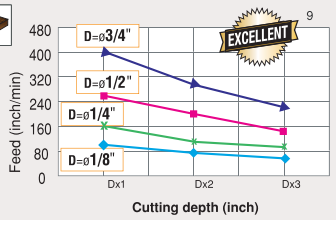
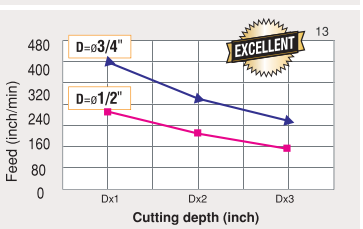
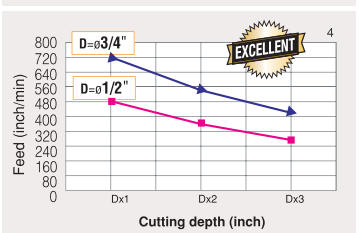
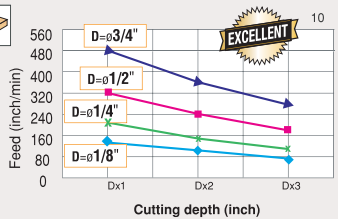
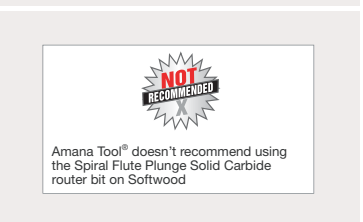
Each chart is relating to one type of the different tool families on a different type of wood. Each line on a chart is relating to the cutting diameter of the tool. If you cannot find the exact diameter, please relate it as a parallel line to the existing lines.

The information on the charts require a rotation speed of 18,000 RPM. Changing the rotation speed has a proportionally straight relation to the feed rate. For example, if your tool is rotating at 12,000 RPM you have to decrease the feed rate by the relation of 12,000/18,000. Cutting depth or wood thickness is given with values which relate to the diameter. For example, cutting diameter is 10mm and wood thickness is 20mm so it becomes a cutting depth of 2xD.

How to get a feed rate value from the chart

1. Choose the correct chart according to the tool family and the wood type.
2. Locate your line on the chart according to diameter size.
3. Evaluate your cutting depth according to the cutting diameter - is it equal to 1xD or 2xD or 1.5xD, etc.
4. Find the right feed rate according to the wood thickness on the chart.



	Solid Carbide Spiral W/Chipbreaker	Solid Carbide Spiral Flute Plunge	Spiral Flute Plunge Solid Carbide
			
	Refer to page 11	Refer to page 10	Refer to page 8
particals boards laminate /unlaminate	 		
plywood laminate/ unlaminate	 		
hardwood	 		
softwood			

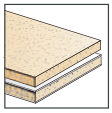
Amana Tool®

CNC Router Bit Feed Rate Info

Solid Carbide Spiral Roughing W/Chipbreaker

Refer to page 11

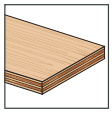
particals boards laminate /unlaminate



NOT RECOMMENDED

Amana Tool® doesn't recommend using the Solid Carbide Spiral Roughing with Chipbreaker router bit on Particle Boards.

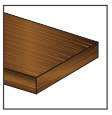
plywood laminate/ unlaminate

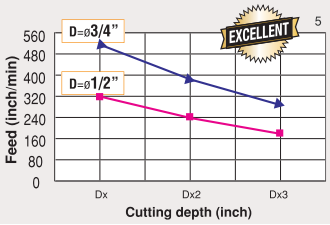


NOT RECOMMENDED

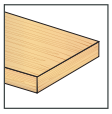
Amana Tool® doesn't recommend using the Solid Carbide Spiral Roughing with Chipbreaker router bit on Plywood.

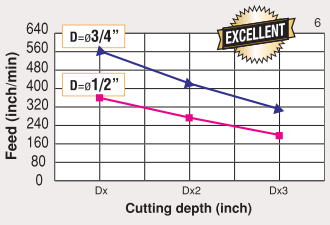
hardwood





softwood





Compression Spiral for Solid Wood

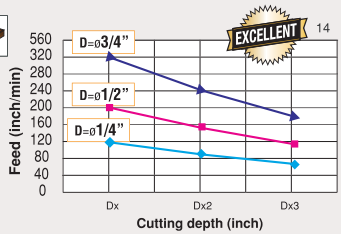
Refer to page 10

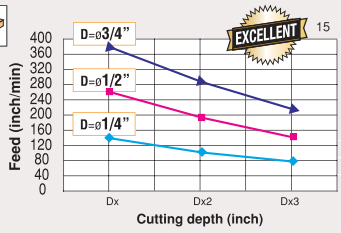
NOT RECOMMENDED

Amana Tool® doesn't recommend using the Compression Spiral for Solid Wood router bit on Particle Boards.

NOT RECOMMENDED

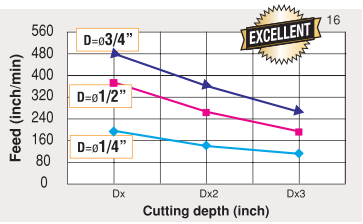
Amana Tool® doesn't recommend using the Compression Spiral for Solid Wood router bit on Plywood.

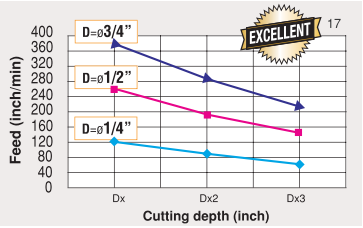




Compression Spiral for MDF/Laminate

Refer to page 9





NOT RECOMMENDED

Amana Tool® doesn't recommend using the Compression Spiral MDF/Laminate router bit on Hardwood.

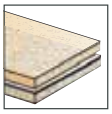
NOT RECOMMENDED

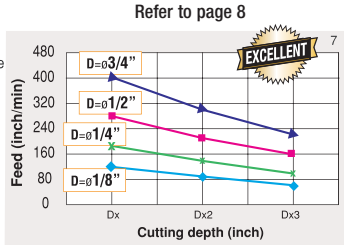
Amana Tool® doesn't recommend using the Compression Spiral MDF/Laminate router bit on Softwood.

Spiral Flute Plunge for Solid Wood

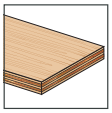
Refer to page 8

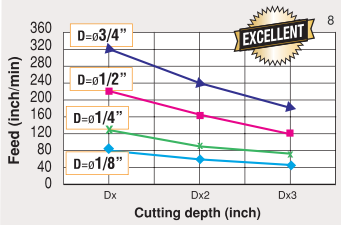
particals boards laminate /unlaminate





plywood laminate/ unlaminate

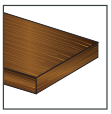




Spiral Flute Plunge for Solid Wood

Refer to page 8

hardwood



NOT RECOMMENDED

Amana Tool® doesn't recommend using the Spiral Flute Plunge for Solid Wood router bit on Hardwood.

softwood

NOT RECOMMENDED

Amana Tool® doesn't recommend using the Spiral Flute Plunge for Solid Wood router bit on Softwood.

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
44100	16	47706	–	–	67098	–	–	–	–	–	67086
45360 to 45364	23	47721	–	–	–	–	–	47739	–	–	–
45460(S) to 45461	22	47701	–	–	–	–	–	47724	67091	–	–
45462(S)	22	47712	–	–	–	–	–	47724	67091	–	–
45463	22	47721	–	–	–	–	–	47739	67091	–	–
45464(S)	22	47714	–	–	–	–	–	47724	67091	–	–
45465	22	47721	–	–	–	–	–	47739	67091	–	–
45466	22	47722	–	–	–	–	–	47730	67091	–	–
45467	22	47754	–	–	–	–	–	47739	67091	–	–
45468	22	47738	–	–	–	–	–	47740	67091	–	–
45469 to 45470	77	47712	–	–	–	–	–	–	–	–	–
45471	77	46641	–	–	–	–	–	–	–	–	–
45474	77	47712	–	–	–	–	–	–	–	–	–
45476 to 45479	77	47712	–	–	–	–	–	–	–	47752	–
45482 to 45483	22	47712	–	–	–	–	–	47724	67091	–	–
45485	22	47714	–	–	–	–	–	47724	67091	–	–
45561	21	47714	–	–	–	–	–	47724	67091	–	–
45563	21	47721	–	–	–	–	–	47740	67091	–	–
45565	21	47754	–	–	–	–	–	47740	67091	–	–
45567	21	47758	–	–	–	–	–	47740	67091	–	–
45582	21	47701	–	–	–	–	–	47724	67091	–	–
45584	21	47712	–	–	–	–	–	47724	67091	–	–
45586	21	47714	–	–	–	–	–	47724	67091	–	–
45588 to 45590	21	47756	–	–	–	–	–	47740	67091	–	–
45668, 45676	88	47701	–	–	–	–	–	47724	–	–	–
45669,45670,45672,45678	88	47712	–	–	–	–	–	47724	–	–	–
45674	88	47708	–	–	–	–	–	47724	–	–	–
45750 to 45950	36	47701	–	–	–	–	–	47724	–	–	–
45788	37	47738	–	–	–	–	–	47740	–	–	–
45850	76	47701	–	–	–	–	–	47724	–	–	–
45880 to 45882	77	47712	–	–	–	–	–	–	–	–	–
45884	77	47741	–	–	–	–	–	–	–	–	–
45983	38	47701	–	–	–	–	–	47724	67091	–	–
45988	38	47714	–	–	–	–	–	47724	67091	–	–
45990	38	47721	–	–	–	–	–	47739	67091	–	–
45992	38	47738	–	–	–	–	–	47740	67091	–	–
46192	26	47706	–	–	–	–	–	–	–	–	67086
46300 to 46304	26,106	47706 (2)	–	67096	67098	–	–	–	–	–	67086
47090 to 47092	24	47723	–	67134	–	–	–	–	–	–	–
47100 to 47102	24	47702	–	67096	67100	67202	–	–	–	–	–
47104 to 47120	24	47706	–	67096	67098	67202	–	–	–	–	–
47105,47109,47111,47113	25	47706	–	–	–	–	–	–	–	–	–
47124 to 47128	25	47706	–	67109	67078	67101	–	–	–	–	–
47129	25	47706	–	–	–	–	–	–	–	–	–
47124-2 to 47128-2	25	47706 (2)	–	–	67098	67202	–	–	–	–	67118
47130 to 47138	25	47714	–	–	–	–	–	–	–	–	–
47140 to 47141	24	47714	–	67109	67101	–	–	–	–	–	–
47144	18	47706	–	67096	67098	67202	–	–	–	–	–
47150 to 47154	29	47704	–	67095	67100	67124	–	–	–	–	–
47160 to 47162	30	47706	–	–	–	–	–	–	–	–	–
47180	25	47712	–	67109	–	67101	–	–	–	–	–
47182 to 47184	25	47714	–	67109	–	67101	–	–	–	–	–
47190 to 47194	30	47718	–	67096	67098	67101	–	–	–	–	–
47200 to 47204	30	47706	–	67096	67098	67202	–	–	–	–	–
47206	30	47704	–	67096	67100	67082	–	–	–	–	–
47210	31	47706	–	67096	67098	67202	–	–	–	–	–
47300 to 47304	31	47716	–	67096	67098	67202	–	–	–	–	–
47400 to 47416	32	47708	–	–	–	67204	–	–	–	–	67088
49092 to 49119	52	47704	–	67095	67100	67200	–	–	–	–	–
49120 to 49122	52	47706	–	67096	67098	67202	–	–	–	–	–
49150 to 49154	51	47712 (2)	–	67109	–	67101	–	–	–	47748	–
49200 to 49206	55	47704	–	–	–	–	–	–	–	–	–
49207	55	47704	–	–	–	–	–	–	–	–	–
49208 to 49214	56	47704	–	67095	67100	67200	–	–	–	–	–
49300 to 49302	70	47706	–	67096	67098	67202	–	–	–	–	–
49310	71	47706	–	–	–	–	–	–	–	–	–
49340 to 49350	71	See Page	–	–	–	–	–	–	–	–	–
49360	72	47701 (2)	–	67094	–	67202	–	–	–	–	–
49400 to 49402	45	47704	–	67095	67100	67200	–	–	–	–	–
49404	45	47706	–	67096	67098	67202	–	–	–	–	–
49405	45	47710	–	67093	–	67101	–	–	–	–	–
49406 to 49410	45	47706	–	67096	67098	67202	–	–	–	–	–
49412	45	47704	–	67095	67100	67200	–	–	–	–	–
49414 to 49416	45	47706	–	67096	67098	67202	–	–	–	–	–
49440, 49450	94	47702	–	67096	67101	67202	–	–	–	–	–
49442, 49452	94	47701	–	–	–	–	–	47724	67091	–	–
49492 to 49526	47	47706	–	67096	67098	67202	–	–	–	–	–
49540 to 49560	68	47706	–	67096	67098	67202	–	–	–	–	–
49562	102	47706	–	67096	67098	67202	–	–	–	–	–
49592 to 49622	48	47702	–	67096	67101	67202	–	–	–	–	–
49640, 49644, 49650	94	47702	–	67096	67101	67202	–	–	–	–	–
49642, 49646, 49652	94	47701	–	–	–	–	–	47724	67091	–	–
49660, 49664	94	47702	–	67096	67101	67202	–	–	–	–	–
49662, 49666	94	47701	–	–	–	–	–	47724	67091	–	–
49670, 49674	94	47702	–	67096	67101	67202	–	–	–	–	–
49672, 49676	94	47701	–	–	–	–	–	47724	67091	–	–
49730	45	47708	–	–	–	–	–	–	–	–	67088
49750 to 49760	46	47736	–	–	–	–	–	–	–	–	67088
49770	46	47708	–	–	–	–	–	–	–	–	67088
51530 to 51534	50	47716	–	67096	67098	67202	–	–	–	–	–
51565 to 51570	49	47706	–	67096	67098	67202	–	–	–	–	–
51572	49	47716	–	67096	67098	67202		–	–	–	—
51574 to 51576	49	47714	–	67093	67126	–	–	–	–	–	–
51592	50	47738	–	–	–	–	–	47740	67091	–	–
53600	80	47708	–	67022	–	–	–	–	–	–	–
53610	81	47708	–	–	–	–	–	–	–	–	67088
53620 to 53640	81	47736	–	–	–	–	–	–	–	–	67088
54102 to 54108	53	47706	–	67096	67098	67202	–	–	–	–	–
54115 to 54116, 54119	98	47706	–	–	–	–	–	–	–	–	–
54117 to 54118, 54121	97	47706	–	67096	67098	67202	–	–	–	–	–
54120 to 54127	55	47706	–	67096	67098	67202	–	–	–	–	–
54128 to 54135	53	47706	–	67096	67098	67202	–	–	–	–	–
54136 to 54182	54	47706	–	–	–	–	–	–	–	–	–
54144 to 54150	52	47706	–	–	–	–	–	–	–	–	–
54152 to 54158	51	47706	–	67096	67098	67202	–	–	–	–	–

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
54160 to 54162	56	47706	–	67096	67098	67202	–	–	–	–	–
54164 to 54172	56	47716	–	67096	67098	67202	–	–	–	–	–
54180 to 54182	54	47706	–	67096	67098	67202	–	–	–	–	–
54184 to 54186	57	47706	–	67096	67098	67202	–	–	–	–	–
54188	57	47716	–	67096	67098	67082	–	–	–	–	–
54190 to 54194	56	47712 (2)	–	67109	–	–	–	47724	67091	–	–
54198	67	47702	–	67096	–	67100	–	–	–	–	–
54200	67	47706	–	67096	–	67100	–	–	–	–	–
54202 to 54204	62	47706	–	67096	–	67202	–	–	–	–	–
54211 to 54217	60	47716	–	67096	67103	67202	–	–	–	–	–
54218 to 54220	62	47706	–	67096	67098	67202	–	–	–	–	–
54221	99	47713, 47763	–	–	–	–	–	–	–	–	67088
54222 to 54226	63	47706	–	67096	67098	67202	–	–	–	–	–
54227	99	47713, 47763	–	–	–	–	–	–	–	–	67088
54228	63	47706	–	67096	67098	67202	–	–	–	–	–
54229	99	47713, 47763	–	–	–	–	–	–	–	–	67088
54230 to 54232	65	47712	–	–	–	–	–	–	–	–	–
54234 to 54238	64	47716	–	67096	67103	67202	–	–	–	–	–
54240	64	47706	–	67096	67103	67202	–	–	–	–	–
54260, 54266	65	47706	–	67096	67098	67202	–	–	–	–	–
54262	69	47706	–	67096	67098	67202	–	–	–	–	–
54268 to 54269	69	47716	–	67096	67103	67202	–	–	–	–	–
54280	65	47716	–	67096	67103	67202	–	–	–	–	–
54282	66	47714	–	67109	–	67101	–	–	–	–	–
54284 to 54286	66	47712	–	67096	67103	67202	–	–	–	–	–
54288 to 54290	66	47706	–	67096	67098	67202	–	–	–	–	–
54292	53	47706	–	67096	67098	67202	–	–	–	–	–
54294	59	47716	–	67096	67098	67202	–	–	–	–	–
54296	58	47712 (2)	–	67096	67098	67202	–	47724	–	–	–
54300 to 54308	59	47706	–	67096	67098	67202	–	–	–	–	–
54320 to 54322	58	47706	–	67096	67098	67202	–	–	–	–	–
54324	58	47712	–	67096	67103	67202	–	–	–	–	–
54330 to 54332	59	47701, 47706	–	67096	67098	67202	–	47724	–	–	–
54350 to 54356	60	47716	–	67096	67103	67202	–	–	–	–	–
55312 to 55314	31	47727	–	–	–	67204	–	–	–	–	67088
55320 to 55330	87	47708, 47762	–	–	–	–	–	–	–	–	67088
55340	89	47708	–	–	–	–	–	–	–	–	67088
55350 to 55380	93	47708	–	–	–	–	–	–	–	–	67088
55392	82	47736	–	–	–	–	–	–	–	–	67088
55400, 55401	86	47708 (2)	–	–	–	–	–	–	–	–	67088
55420, 55430, 55440	91	47708	–	–	–	–	–	–	–	–	67088
55421, 55431, 55441	92	47708	–	–	–	–	–	–	–	–	–
55433, 55436, 55437	90	47708	–	–	–	–	–	–	–	–	–
55460, 55462, 55464	96	47744(2)	–	–	–	67125(2)	–	–	–	–	67131
56130	44	47708	–	–	–	–	–	–	–	47748	–
56140	44	47734	–	–	–	–	–	–	–	47750	–
56148	44	47708	–	–	–	–	–	–	67091	47748	–
56150	44	47734	–	–	–	–	–	–	67091	47750	–
56154	44	47721	–	–	–	–	–	–	–	47748	–
56156	44	47738	–	–	–	–	–	–	–	47750	–
56158	44	47734	–	–	–	–	–	–	–	47750	–
56190	41	47701	–	–	–	–	–	47724	67091	–	–
56192	41	47714	–	–	–	–	–	47724	67091	–	–
56194	41	47708	–	–	–	–	–	47724	67091	–	–
56196 to 56198	41	47738	–	–	–	–	–	47740	67091	–	–
57100 to 57112	108	47714,47712,47701	–	67109	–	67101	–	–	–	–	–
57118 to 57120	104	47709	–	67109	–	67101	–	–	–	–	–
57122 to 57126	110	47726	–	67109	67126	67101	–	–	–	–	–
57127	109	47707	–	67096	–	67202	67101	–	–	–	–
57128	110	47726	–	67109	–	67101	–	–	–	–	–
57129	112	47732	–	67146	–	–	–	–	–	–	–
57130	110	47726	–	67093	67126	67126	–	–	–	–	–
57138, 57140	105	47737	–	67091	–	–	–	47740	67091	–	–
57139, 57141	105	47707	–	67096	–	67202	–	–	–	–	–
57142 to 57144	112	47738	–	67091	–	–	–	47740	67091	–	–
57145	105	47737	–	–	–	–	–	47740	67091	–	–
57146, 57148	104	47707	–	67096	67098	67202	–	–	–	–	–
57147, 57149 to 57152	105	–	–	–	–	–	–	–	–	–	–
57153	106	47726	–	67109	67103	67101	–	–	–	–	–
57154	106	47709	–	–	–	–	–	–	–	–	–
57155	106	47133	–	67146	–	67101	–	–	–	–	–
57156 to 57160, 57162	111	47731	–	67146	–	–	–	–	–	–	–
57161	112	47732	–	67146	–	–	–	–	–	–	–
57164	108	47709	–	67146	–	67101	–	–	–	–	–
57165	107	47745, 47747	–	–	–	55371	–	47739	–	–	–
57166	107	47749	–	–	–	55363	–	47739	–	–	–
57167	112	47732	–	67146	–	–	–	–	–	–	–
57168	111	47731	–	67146	–	–	–	–	–	–	–
57184 to 57186	24, 106	47714	–	67109	67116	–	67128	–	–	–	–
57190	48, 105	47767	–	67109	–	67101	–	–	–	–	–
57192	48, 105	47768	–	67109	–	67101	–	–	–	–	–
57194	48, 105	47769	–	67109	–	67101	–	–	–	–	–
57200 to 57204	114	47709	–	67109	67116	67101	–	–	–	–	–
57212 to 57216	116	–	–	–	–	–	–	–	–	–	–
57218	117	–	–	–	–	–	–	–	–	–	–
57220	117	47707	–	67096	–	67202	–	–	–	–	–
57224	111	47726	–	67109	67126	67101	–	–	–	–	–
57226	113	47712	–	67096	67103	67202	–	–	–	–	–
57232	109	47737	–	–	–	–	–	47740	–	–	–
57234	109	47707	–	67096	–	67082	–	–	–	–	–
57238	117	47712	–	67096	67103	67202	–	–	–	–	–
57240 to 57242	118	47707	–	67096	–	67082	–	–	–	–	–
57244 to 57246	119	47707	–	67096	–	67082	–	–	–	–	–
57248	119	47709	–	67109	67116	67101	–	–	–	–	–
57252 to 57256	120	47707	–	–	–	–	–	–	–	–	–
57257	121	–	–	–	–	–	–	–	–	–	–
57258	117	47707	–	67096	–	67082	–	–	–	–	–
RC-1000 to RC-1006	27	47711	–	67176 (3)	–	–	–	–	–	–	–
RC-1008 to RC-1012	27	47712	–	67176 (3)	–	–	–	–	–	–	–
RC-1014	27	47701	–	67176 (3)	–	–	–	–	–	–	–
RC-1230	23	–	–	–	–	–	–	–	–	–	–
RC-2000	27	47706	67016 (2)	67018	–	–	–	–	–	–	–
RC-2400	23	–	–	–	–	–	–	–	–	–	–
RC-49355	73	See Page	67094	67094	–	67202	–	–	–	–	–
RC-49360	72	See Page	–	67094	–	67202	–	–	–	–	–

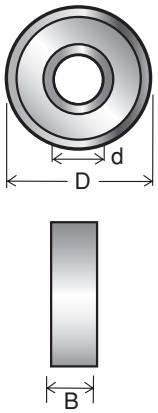
Replacement Parts

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

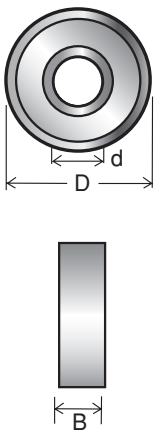
Ød	ØD	B	Tool No.	Application
1/8	1/4	.110 (7/64)	**47723**	47090, 47092 1/4" diameter trim bits.
1/8	3/8	.155 (5/32)	**47704**	47206, 49400, 49402, smaller cove bits, several types of form bits, and old style 3/8" diameter trim bits, new 'no-file' trim bits.
1/8	1/2	.171 (11/64)	**47700**	Old style 1/2" diameter flush trim bits.
3/16	3/8	.124 (1/8)	**47702**	3/8" diameter flush trim, all beading bits, (49300/49302), 49340, 49350, 49540, 49542, 49550, many types of form bits.
3/16	1/2	.195 (3/16)	**47706**	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 and 51570, 54160, 54162, 54198, 54370 & new style 54200 & 54220 (after 12/95).
3/16	1/2	.195 (3/16)	***47706-HP**	*With Teflon® dust shields used as a substitute for 47706 (see above) for fine dust conditions.
3/16	.490	.195 (3/16)	**47715**	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	5/8	.195 (3/16)	**47718**	'Overhang' bits, 49340, 49350 (49300/49302).
3/16	3/4	.280 (9/32)	**47720**	(49300/49302), 49340, 49350, RC-4950
3/16	7/8	.196 (3/16)	**47719**	49340, 49350 for 1/4" rabbet.
3/16	1-1/8	.312 (5/16)	**47743**	49340, 49350 for 1/8" rabbet.
1/4	1/2	.186 (3/16)	**47701**	45460, 45461, 45750, 45850, 45950, 57100, 57106, 57112, RC-1014.
1/4	1/2	.186 (3/16)	***47701-HP**	*With Teflon® dust shields used as a substitute for 47701 (see above) for fine dust conditions.
1/4	5/8	.195 (3/16)	**47712**	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-HP**	*With Teflon® dust shields used as a substitute for 47712 (see above) for fine dust conditions.
1/4	3/4	.280 (9/32)	**47714**	45464, 45988, 47140, 47182, 47184, 51574, 51576, 57100, 57106, 57112, and old style 57118, 57120.
1/4	1	.344 (11/32)	**47710**	49405
5/16	3/4	.280(9/32)	**47759**	55360
5/16	.865 (7/8)	.275 (9/32)	**47708**	1/2" depth of cut slotting assemblies, all stile & rail, 49730, 49770, 53610 55400, 55401, 56148, 55340.
5/16	1-1/4	.196	**47763**	New raised panel with back cutter 54221, 54227, 54229.
5/16	1.319 (1-5/16)	.335 (21/64)	**47762**	55320, 55330, 55325
3/8	7/8	7mm	**47741**	For 45884, 45499
1/2	3/4	.156 (5/32)	**47721**	45463, 45465, 45990
1/2	1-1/8	.312 (5/16)	**47738**	45468, 45789, 45992, 51590, 57142, 57144 and old style 57138 & 57140 (prior to 6/95). For new style 57138 & 57140 (after 6/95) use Ultra-Glide™ 47737.
1/2	1	5.7mm	**47745**	57165
1/2	1-1/4	5.7mm	**47747**	57165
1/2	1-1/2	.500 (1/2)	**47749**	57166



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.

METRIC LISTED BY SIZE/STEEL SHIELDS

Ød	ØD	B	Tool No.	Application
4MM	8MM	3MM (7/64)	**47703**	New miniature router bits.
5mm	13mm	4mm (5/32)	**47705**	Old Style (Prior to 12/95) 54200, 54220. For new style (after 12/95) use 47706.
5mm	16mm	5mm (3/16)	**47716**	47300, 47302, 51572, 54164 through 54172, 54215, 54217, 54268, 54269, 54294, 57188, RC-4952, RC-4954, RC-4956.
6mm	19mm	6mm (15/64)	**47711**	'RC' series flush trim bits.
7mm	14mm	5mm (3/16)	**47746**	RC-1040, RC-1042, RC-1044
8mm	16mm	5mm (3/16)	**47713**	New raised panel with back cutter 54221, 54227, 54229.
8mm	28mm	9mm (23/64)	**47736**	49750, 55392
10mm	26mm	8mm (5/16)	**47722**	45466
12mm	32mm	9.9mm	**47744**	55460, 55462, 55464
15mm	35mm	11mm (7/16)	**47734**	56140, 56150, 56158
15mm	1	.218 (7/32)	**47754**	45467
15mm	1-1/4	.343 (11/32)	**47756**	45469
15mm	1-1/2	.343 (11/32)	**47758**	45470

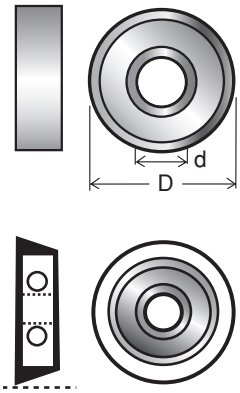


* Teflon® is a registered trademark of the Dupont Co.

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; and 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).

Ød	ØD	Taper/R	Tool No.	Application
3/16	.500 (1/2)	-0-	**47707**	1/2" diameter flush trim, corner rounds, etc. All tools that accept our regular #47706 steel bearing.
1/4	.750 (3/4)	-0-	***47709**	47140, 57154 trim bits, and new style 57118, 57120, 57257.
5/16	1.382 (1-3/8)	-0-	**47727**	Slot cutter assemblies: 1/4" depth of cut; and 53610.
5/16	1.137 (1-9/64)	-0-	**47728**	Slot cutter assemblies: 3/8" depth of cut; and 53610.
5/16		-0-	**47729**	Set of two above: 47727 & 47728.
1/4	.965 (31/32)	10°	***47725**	Old style 57122 bevel bit with 31/32" large diameter.
1/4	.866 (7/8)	10°	***47726**	New style 57122 and other 'solid-surface' type bits.
1/4	.866 (7/8)	10°	***47731**	57156 through 57168 bowl bits only.
1/4	1	12°	***47732**	57129 and 57161
1/4	1	5°	***47733**	New bowl bits.
15mm	1.125 (1-1/8)	-0-	**47737**	New style 57138, 57140 (after 6/95). Old style use 47738.
1/4	27/32	1/2	**47767**	57190
1/4	3/4	3/4	**47768**	57192
1/4	3/4	1	**47769**	57194



NOTE: Outside dimensions are approximate and are given for reference purposes only.

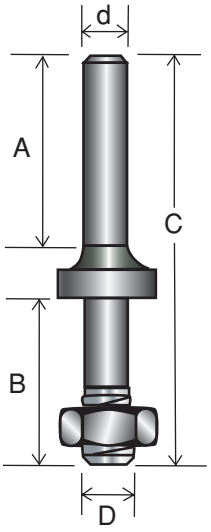
* Includes new Teflon® dust shields.

Gibraltar® is a registered trademark of Wilsonart® International. Delrin®, Corian® and Teflon® are registered trademarks of the Dupont Co. Surell® is a registered trademark of the Formica Corp. Fountainhead® is a registered trademark of the Nevamar Corp. Plexiglas® is a registered trademark of the Rohm & Haas Corp.

ROUTER ARBORS WITH HEX NUT AND WASHERS

ØD	Ød	A	B	Tool No.	C	Application
5/16-24 NF	1/4	1-1/4	7/8	**47600**	2-3/8	2 & 3-Wing slotting assemblies, and single 4-wing trim cutter assemblies.
5/16-24 NF	3/8	1-1/4	7/8	**47602**	2-3/8	
5/16-24 NF	1/2	1-1/2	7/8	**47604**	2-3/8	
5/16-24 NF	1/4	1-1/4	5/8	**47606**	2-1/8	Shorter length than 47600.
5/16-24 NF	1/2	1-1/2	1-3/8	**47612**	3-1/8	Double trim cutters, rail & stile, 53600, 55300, 55320, 55325, 55330, 55400. (Replaces 55360 arbor.)
5/16-24 NF	1/2	1-7/16	2-9/16	**47618**	4-3/16	49730, 49770
5/16-24 NF	1/2	1-3/8	2-1/8	**47620**	3-3/4	49750, 55340, 55392
5/16-24 NF	1/2	1-5/16	1-3/4	**47622**	3-5/16	55420, 55430, 55440
1/4-28 NF	1/4	1-1/4	7/8	**47610**	2-3/8	General purpose.
1/4-28 NF	1/4	1-7/16	1/4	***47611**	1-13/16	Screw Type mortising bits 55250 through 55258.
1/4-28 NF	1/2	1-3/4	1/4	***47614**	1-1/2	Screw Type mortising bits 55250 through 55258.

*Due to application, these arbors are not furnished with hex nut or washers.

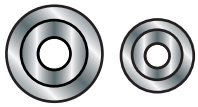


HEX NUTS FOR ROUTER ARBORS

Description	Tool No.	Application
10-32 NF	**67086**	46300, 46304 Spiral Trim bits.
5/16-24 NF	**67088**	All arbors with 5/16-24 NF thread.
1/4-28 NF	**67089**	47610 arbor. "Nova"
5mm x .8mm (10-32)	**67118**	47124-2, 47126-2, 47128-2 Trim bits.
12mm x 1.75mm	**67131**	55460, 55462, 55464

Replacement Parts

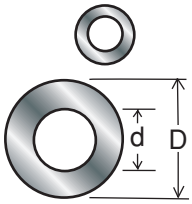
STEEL DUST SHIELDS



Application: Used between ball bearing and router bit to inhibit dust. 'Cone-shaped' end always faces the bearing.

Diameters 'd' Inside x 'D' Outside	Tool No.	Use with Bearing #
3/16 x 1/2	**67098**	47700, 47701, 47706, 47712, 47714, 47718, 47720.
1/8 x 3/8	**67100**	47704
5mm x 16mm	**67103**	47716
1/4 x 5/8	**67116**	47712 (Solid surface bowl bits only).
3/16 x 5/8	**67126**	47712 (Solid surface bowl bits only).

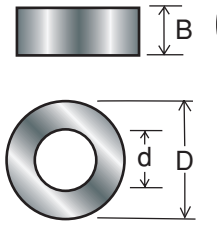
STEEL FLAT LOCK WASHERS



Application: Used between ball bearing & screw head or hex nut to serve as a lock washer. Part No. 67101 is used in place of a dust shield on beading bits #'s 49592 through 49622.

Diameters 'd' Inside x 'D' Outside	Tool No.	Use with Bearing #	Use with Screw #
1/8 x 1/4	**67082**	47703	67080
3/16 x 5/16	**67101**	47702	67094, 69096
12mm x 18.7mm	**67125**	47744	55460, 55462, 55464
12mm x 18.7mm	**67128**	47714	57184 - 57186
1/4 x 3/8	**67132**	47701	'Face Inlay' spacer.
3/32 x 1/4	**67200**	47704	67095
1/8 x 5/16	**67202**	47706	67094, 67096
5/16 x 1/2	**67204**	47708	5/16 thread arbors (for slot cutters).
1/4 x .356	**67206**	47701	'Superabbet' spacer.
3/16 x 5/16	**67208**	47706	Multi-Rabbet spacer.

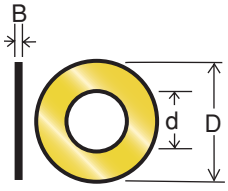
STEEL SPACERS



Application: General purpose arbor spacers used on assembly type tools that require cutter adjustment.

Diameters 'd' Inside x 'D' Outside	Tool No.	'B' Face Width
5/16 x 5/8	**55366**	3.0mm (1/8)
5/16 x 5/8	**55367**	3.4mm (9/64)
5/16 x 5/8	**55368**	6.0mm (1/4)
5/16 x 5/8	**55369**	5.5mm (7/32)
1/2 x 3/4	**55363**	6.0mm (1/4)
1/2 x 18mm	**55371**	5.0mm

STEEL SHIMS



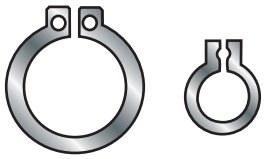
Application: General purpose arbor shims used on assembly type tools that require cutter adjustment. Particularly useful after tool re-sharpening.

Diameters 'd' Inside x 'D' Outside	Tool No.	'B' Shim Thickness
5/16 x 5/8	**55356**	.05mm (.002)
5/16 x 5/8	**55357**	.10mm (.004)
32mm x 3/4	**55358**	.18mm (.007)
5/16 x 5/8	**55402**	1.00mm (.040)
5/16 x 5/8	**55404**	.50mm (.020)
5/16 x 5/8	**55403**	.40mm (.015)

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	Tool No.	Used On Tool No. ('s)
.289 x .375	**47748**	56130, 56148, 49150, 49152, 49154
.542 x .675	**47750**	56140, 56150



Snap Rings

Diameters 'd' Inside x 'D' Outside	Tool No.	Face Thickness	Used On Tool No.('s)
1/4 x 7/16	**47724**	.203 (13/64)	45460, 45461, 45462, 45464, 45750, 45850, 45950, 45988, 54190, 54192, 54194.
3/8 x 5/8	**47730**	.203 (13/64)	45466.
1/2 x 23/32	**47739**	.234 (15/64)	45463, 45465, 45467, 45991.
1/2 x 25/32	**47740**	.234 (15/64)	45468, 45469, 45470, 45990, 45992, 51592, 57138, 57140, 57142, 57144.

Retaining Collars

SOCKET HEAD ALLEN TYPE, TORX® AND PHILLIPS RETAINING SCREWS

CASE HARDENED • BLACK OXIDE FINISH

Type	Description	Tool No.	Use With Key Size	Application
Allen	3.5 x 6mm	**67018**	2.5mm (#5007)	RC-2000
Allen	3 x .5 x 10mm	**67080**	2.5mm (#5007)	'mini' bits
Allen	4 x .7mm x 12mm	**67090**	3mm (#5004)	20200 Adj. C/S
Allen	#10–32 x 3/8 NF	**67093**	5/32 (#5003)	Multi-Use
Allen	#5–40 x 1/2 NC	**67094**	3/32 (#5000)	Multi-Use
Allen	#3–48 x 3/8 NC	**67095**	5/64 (#5001)	Multi-Use
Allen	#5–40 x 3/8 NC	**67096**	3/32 (#5000)	Multi-Use
Allen	#10–32 x 1/2 NF	**67109**	5/32 (#5003)	Multi-Use
Torx®	4 x .7mm x 5mm	**67115**	#T-15 (#5005)	Torx® screw for insert trim & plunge bits
Torx®	3.5 x .6mm x 3mm	**67117**	#T-15 (#5005)	Torx® screw for insert plunge bits
Phillips	#2–56 x 7/32 NC	**67134**	#0 phillips	47090 & 47092 1/4 trim bits
Allen	#10–32 x 3/8 NF	**67146**	1/8 (#5009)	Special

Allen

Phillips

Torx®

ALLEN-TYPE SET SCREWS FLAT (FP) & CUP-POINT (CP)

CASE HARDENED • BLACK-OXIDE FINISH

Description	Tool No.	Use With Key Size	Application
5mm x .8mm (FP)	* **67007**	*S/D Slotted	Boring Bits
6mm x 1.0mm (FP)	**67008**	3mm (#5008)	Rosette Cutterheads
3 x 4mm Special (FP)	**67015**	1.5mm (#5000)	RC-3100
3 x 5mm Special (FP)	**67016**	1.5mm (#5000)	RC-3200 & 3110
3 x 6mm Special (FP)	**67017**	1.5mm (#5000)	RC-3204 & 3307
6mm x 1.0mm (CP)	**67079**	3.0mm (#5004)	Metric Countersinks (6mm to 12mm)
6mm x 1.0mm (FP)	**67083**	3.0mm (#5004)	#55 Countersinks with 1 Screw
5mm x .8mm (CP)	**67087**	2.5mm (#5007)	Metric Countersinks (5mm only)
#5-40 NC (CP)	**67091**	1/16 (#5002)	47724-47752 Collars
#10-24 NC (CP)	**67092**	3/32 (#5000)	#55 Countersinks with 2 Screws
5mm x .8mm (FP)	**67097**	2.5mm (#5007)	Metric Chucks

*#67007 Boring bit adjustment screw is screwdriver slotted.

Slotted

Allen

Replacement Parts

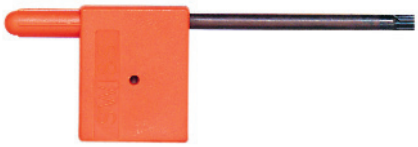
ALLEN-TYPE HEX & TORX® KEYS SHORT ARM

CASE HARDENED • BLACK OXIDE FINISH

Type	Size	Tool No.	Key Screw #(s)	Use With Application
Allen	3/32	**5000**	67094,67096	Multi-Use
Allen	5/64 (2.0mm)	**5001**	67095	Insert plunge
Allen	1/16	**5002**	67091	47724-47730, 47739 collars
Allen	5/32	**5003**	67093,67109	Helix trim & bowl bits
Allen	3mm	**5004**	67090	20200 Adj. C/S
Allen	.050 (1.2mm)	**5006**	67077	Insert plunge RC-2000
Allen	2.5mm	**5007**	67087,67097	Metric C/S & chucks
Allen	1/8	**5009**	67109	Solid surface bits
Allen	3mm	**5012**	67142	Insert Cutterheads
Allen	1.5mm	**5011**	67015,67016,67017	New insert bits RC-2000 & RC-3000 series
Allen	4mm	**5010**	67144	Profile Pro™ Cutterheads
Torx®	*T-25	**5025**	67154	61288, 61292

TORX® & ALLEN KEY

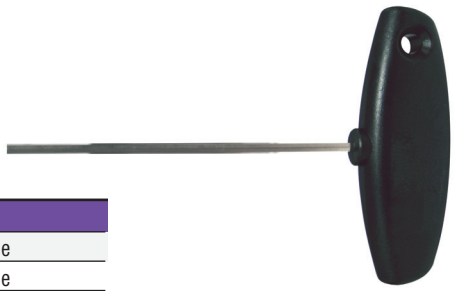
CASE HARDENED • BLACK-OXIDE FINISH



Type	Key Size	Tool No.	Use With Screw #	Application
Torx®	#T-15	**5005**	67115	'RC' Series insert trim bits
Torx®	#T-9	**5090**	67160	Insert cutterheads
Allen	3 mm	**5008**	67008	Rosette Cutterheads-Hex Key

HEX KEY / 'T'- HANDLE

CASE HARDENED • BLACK-OXIDE FINISH



Type	Key Size	Tool No.	Use With Screw #	Application
Allen	2.5mm	**5013**	—	Insert Cutterheads-T Handle
Allen	4mm	**5014**	67144	Insert Cutterheads-T Handle

WRENCH HANDLE

CASE HARDENED • BLACK-OXIDE FINISH

Tool No.	Application
5017	EZ Dial™ Slot Cutters
5015	Nova System™ Router Bits

Torx® is a registered trademark of Camcar Div. of Textron.

10 PIECE BRASS TEMPLATE GUIDE SET

Includes 7 different guides, #ADP-09 adapter and 2 threaded lock collars in a molded plastic case.

Description	Tool No.
10 piece template guide set	**BTG-100**

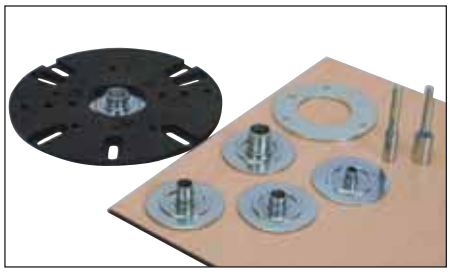
Includes the following sizes: I.D.	O.D.
1/4	5/16
9/32	3/8
11/32	7/16
13/32	1/2
17/32	5/8
21/32	3/4
5/8	51/64

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**

9 PIECE ROUTER TEMPLATE GUIDE SET

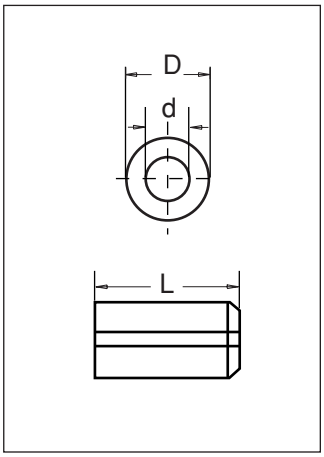


Includes:
Universal base plate, 5 different guides, lock ring, 2 centering pins and mounting screws in a molded plastic case.

Description	Tool No.
9-Piece Bushing Set	**RGB-200**

Includes the following sizes: I.D.	O.D.
1/4	5/16
3/8	7/16
17/32	5/8
3/8	7/16 (long)
17/32	5/8 (long)

ROUTER SHANK REDUCTION BUSHINGS

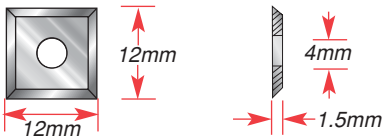
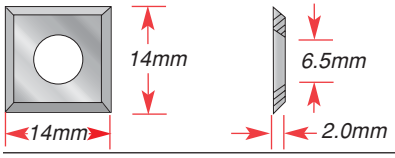
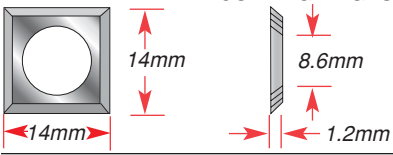
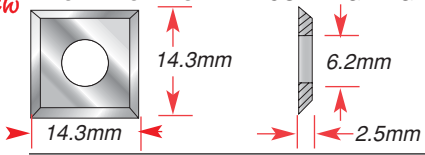
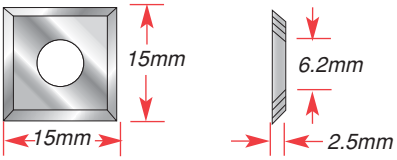
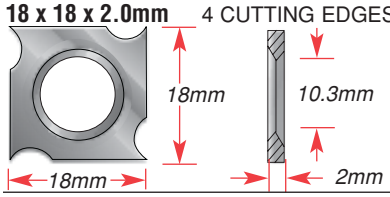
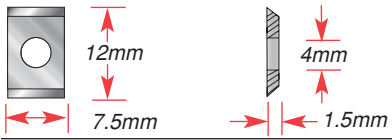
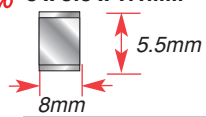
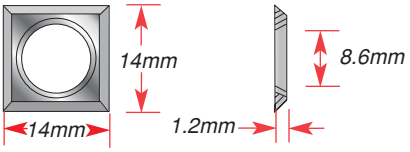


ØD	Ød	Tool No.	L
1/4	3mm	**RB-100**	1
1/4	1/8	**RB-102**	1
8mm	6mm	**RB-104**	1
8mm	1/4	**RB-106**	1
3/8	1/4	**RB-108**	1
10mm	8mm	**RB-110**	1
12mm	6mm	**RB-112**	1
12mm	8mm	**RB-114**	1
1/2	1/4	**RB-116**	1
1/2	8mm	**RB-118**	1
1/2	10mm	**RB-120**	1
1/2	3/8	**RB-122**	1-3/16

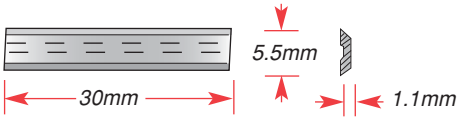
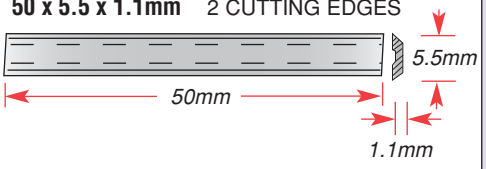
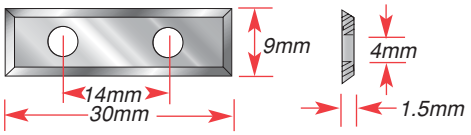
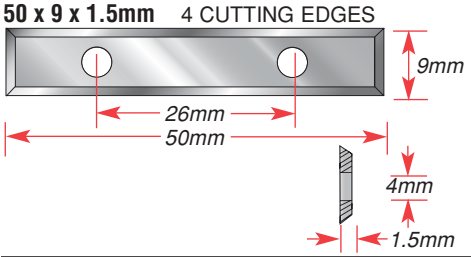
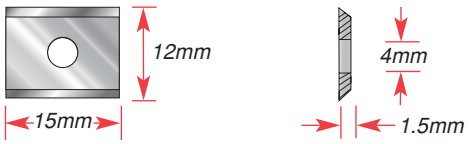
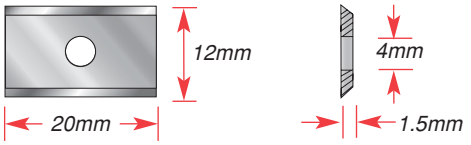
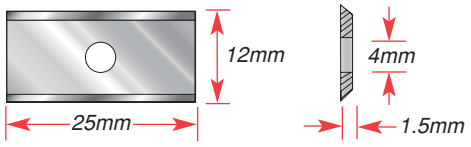
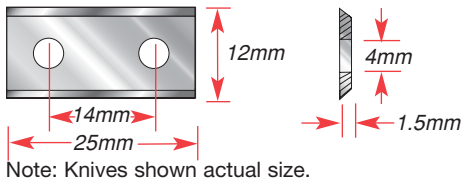
Replacement Parts

STRAIGHT 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.

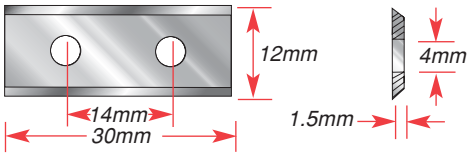
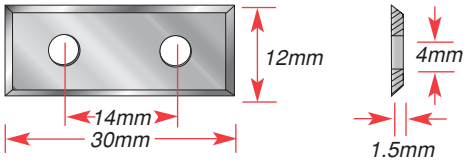
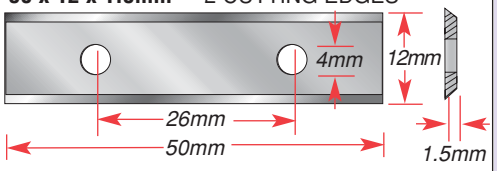
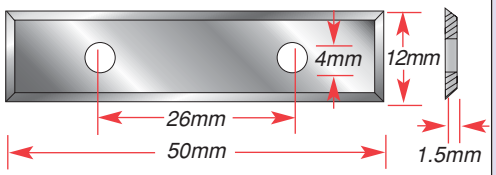
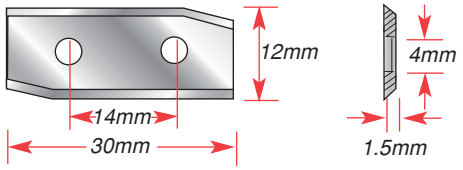
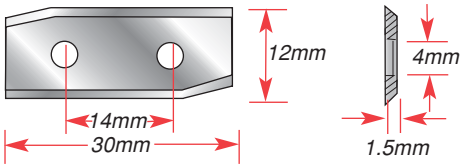
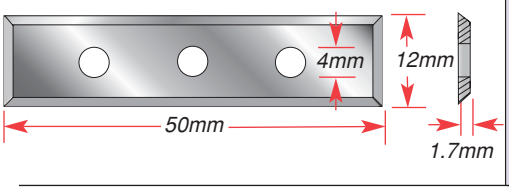
	'G' 35° General Purpose Wood, Chipboard, Plywood	'S' 35° Softwood/ Hardwood	'H' 35° MDF, Chipboard, Solid Surface	'MF' 45° Micro-finish General Purpose	Tool Application
12 x 12 x 1.5mm 4 CUTTING EDGES 	Tool # AMA-12	Tool # SMA-12	Tool # HMA-12	Tool # MFA-12	Insert Trim Bits RC-1000, RC-1008, RC-1010, RC-1012, RC-1014, RC-1024, RC-1026, RC-2257, RC-2258.
14 x 14 x 2.0mm 4 CUTTING EDGES 	Tool # RCK-70	Tool # SCK-70	Tool # HCK-70	—	Insert Cutterheads 61288, 61292, 61340, 61360, 61362, 61460, 61462, 61470, 61472, 61480, 61482.
14 x 14 x 1.2mm 4 CUTTING EDGES 	Tool # RCK-71	—	—	—	Insert Cutterheads 61330, 61350, 61450, 61452.
New **14.3 x 14.3 x 2.5mm** 4 CUTTING EDGES 	Tool # RCK-73	—	—	—	Various
15 x 15 x 2.5mm 4 CUTTING EDGES 	Tool # RCK-15	—	—	—	Various
18 x 18 x 2.0mm 4 CUTTING EDGES 	Tool # RCK-18	—	—	—	Insert Cutterheads 61330, 61350, 61450, 61452.
7.5 x 12 x 1.5mm 2 CUTTING EDGES 	Tool # AMA-17	—	Tool # HCK-17	—	Insert Trim Bits RC-1040, RC-1042, RC-1044. Insert Cutterheads 61360, 61384.
New **8 x 5.5 x 1.1mm** 2 CUTTING EDGES 	Tool # RCK-8	—	—	—	Use on RC-2000
New **14 x 14 x 1.2mm** 4 CUTTING EDGES 	Tool # RCK-75				For Holz-Her System

Note: Knives shown actual size.

	'G' 35° General Purpose Wood, Chipboard, Plywood	'S' 35° Softwood/ Hardwood	'H' 35° MDF, Chipboard, Solid Surface	'MF' 45° Micro-finish General Purpose	Tool Application
20 x 5.5 x 1.1mm 2 CUTTING EDGES	Tool # RCK-32	—	—	—	Insert Straight Bit RC-3100.
30 x 5.5 x 1.1mm 2 CUTTING EDGES 	Tool # RCK-34	—	Tool # HCK-34	—	Insert Straight Bits RC-3110, RC-3200, RC-3204, RC-3260, RC-3300, RC-3305, RC-3310, RC-3312, RC-3318, RC-3320.
50 x 5.5 x 1.1mm 2 CUTTING EDGES 	Tool # RCK-36	—	Tool # HCK-36		Insert Straight Bits RC-3208, RC-3264, RC-3304, RC-3307, RC-3314, RC-3316, RC-3322, RC-3324.
30 x 9 x 1.5mm 4 CUTTING EDGES 	Tool # AMA-30	—	Tool # MDF-30	—	Insert Straight Bits RC-1080, RC-1082, RC-1154, RC-2080, RC-2082, RC-2154.
50 x 9 x 1.5mm 4 CUTTING EDGES 	Tool # AMA-50	—	—	—	Various
15 x 12 x 1.5mm 2 CUTTING EDGES 	Tool # ICK-15	—	Tool # HCK-15	—	Insert Cutterheads 61342, 61362, 61386.
20 x 12 x 1.5mm 2 CUTTING EDGES 	Tool # ICK-20	Tool # SCK-20	Tool # HCK-20	—	Insert Cutterhead 61388.
25 x 12 x 1.5mm 2 CUTTING EDGES 	Tool # AMA-25	—	Tool # HMA-25	—	Various
25 x 12 x 1.5mm 2 CUTTING EDGES 	Tool # ICK-25	—	Tool # HCK-25	—	Various

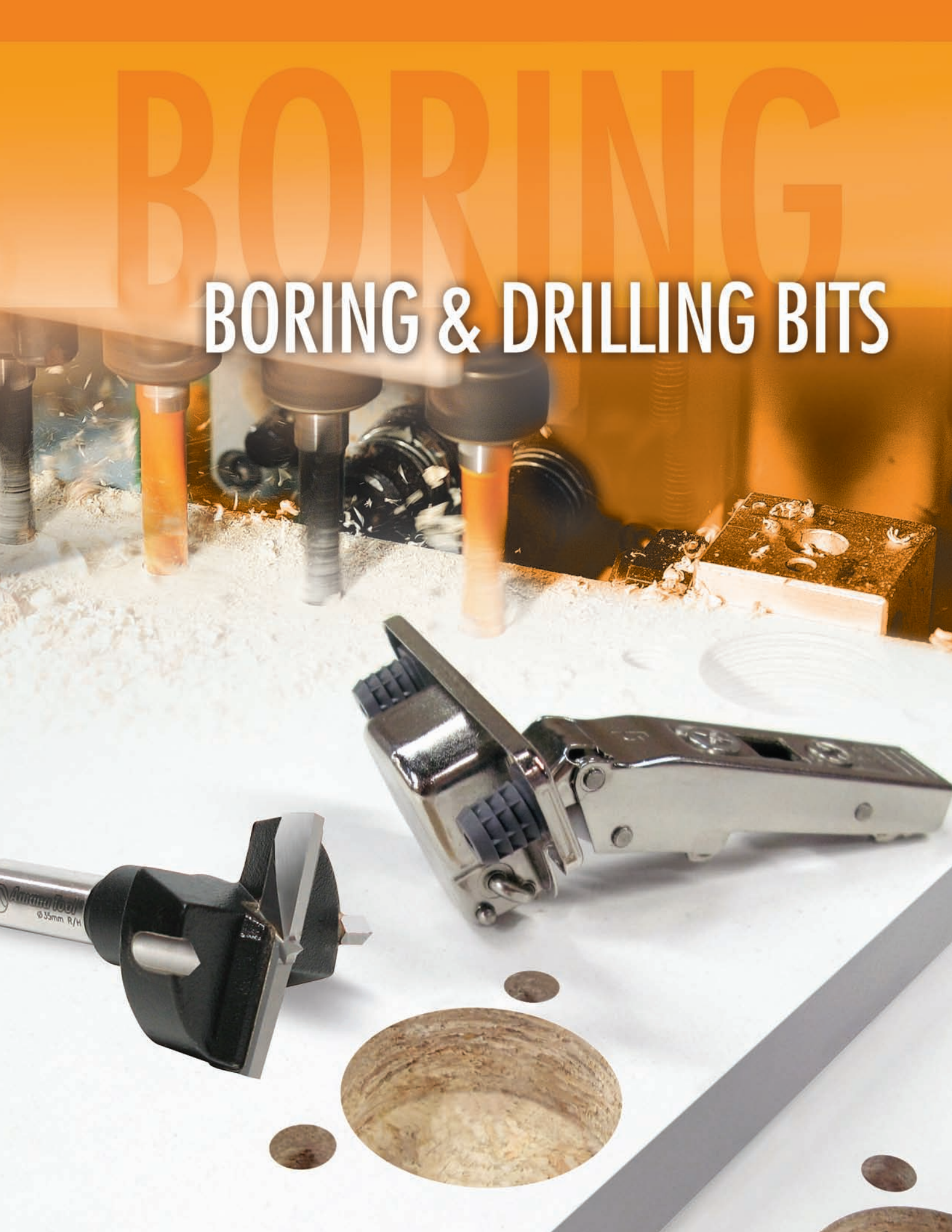
Note: Knives shown actual size.

Replacement Parts

	'G' 35° General Purpose Wood, Chipboard, Plywood	'S' 35° Softwood/ Hardwood	'H' 35° MDF, Chipboard, Solid Surface	'MF' 45° Micro-finish General Purpose	Tool Application
30 x 12 x 1.5mm 2 CUTTING EDGES 	Tool # ICK-30	Tool # SCK-30	Tool # HCK-30	Tool # MFK-30	Insert Trim Bits RC-1002, RC-1004, and general use.
29.5 x 12 x 1.5mm 4 CUTTING EDGES 	Tool # RCK-30	Tool # SRK-30	Tool # HRK-30	—	Insert Straight Bits RC-1084, RC-1086, RC-1088, RC-1090, RC-1156, RC-1160, RC-1164, RC-2084, RC-2086, RC-2088, RC-2090, RC-2156, RC-2160, RC-2164.
50 x 12 x 1.5mm 2 CUTTING EDGES 	Tool # ICK-50	Tool # SCK-50	Tool # HCK-50	—	Insert Cutterheads 61304, 61306, . 61310
50 x 12 x 1.5mm 4 CUTTING EDGES 	Tool # RCK-50	Tool # SRK-50	Tool # HRK-50	—	Insert Cutterheads RC-1158, RC-1162, RC-1166, RC-2158, RC-2162, RC-2164.
30 x 12 x 1.5mm 2 CUTTING EDGES 	Tool # ICK-35RH	—	—		Edgebander trim knives, right hand.
30 x 12 x 1.5mm 2 CUTTING EDGES 	Tool # ICK-35LH	—	—	—	Edgebander trim knives, left hand.
New **50 x 12 x 1.7mm** 4 CUTTING EDGES 	Tool # RCK-151	—	—	—	Use on RC-2400 Use on RC-1006

Note: Knives shown actual size.

BORING & DRILLING BITS

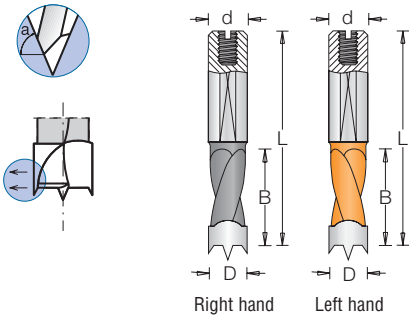


Boring/Drilling

†BRAD POINT BORING

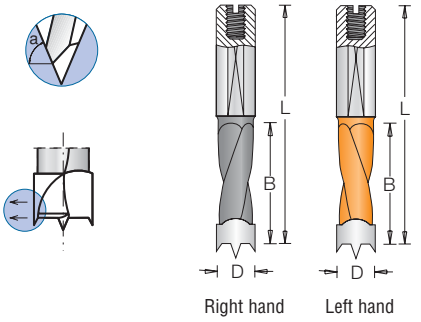
57mm LONG, 10mm X 27mm SHANK

ØD	B	Tool No.- RH	Tool No.- LH	Ød	L
3mm	18mm	*201003	*301003	10mm	57mm
3.2mm	27mm	201032	301032	10mm	57mm
4mm	27mm	201004	301004	10mm	57mm
4.5mm	27mm	201045	301045	10mm	57mm
5mm	27mm	201005	301005	10mm	57mm
5.1mm	27mm	201051	301051	10mm	57mm
5.2mm	27mm	201052	301052	10mm	57mm
5.5mm	27mm	201055	301055	10mm	57mm
6mm	27mm	201006	301006	10mm	57mm
6.5mm	27mm	201065	301065	10mm	57mm
6.7mm	27mm	201067	301067	10mm	57mm
7mm	27mm	201070	301070	10mm	57mm
New 7.5mm	27mm	201075	301075	10mm	57mm
8mm	27mm	201008	301008	10mm	57mm
8.2mm	27mm	201082	301082	10mm	57mm
9mm	27mm	201090	301090	10mm	57mm
10mm	27mm	201010	301010	10mm	57mm
10.5mm	27mm	201105	301105	10mm	57mm
11mm	27mm	201011	301011	10mm	57mm
12mm	27mm	201012	301012	10mm	57mm
14mm	27mm	201014	301014	10mm	57mm
15mm	27mm	201015	301015	10mm	57mm
16mm	27mm	201016	301016	10mm	57mm
17mm	27mm	201017	301017	10mm	57mm
18mm	27mm	201018	301018	10mm	57mm
19mm	27mm	201019	301019	10mm	57mm
20mm	27mm	201020	301020	10mm	57mm
3/16	27mm	201047	301047	10mm	57mm
1/4	27mm	201007	301007	10mm	57mm
3/8	27mm	201009	301009	10mm	57mm
1/2	27mm	201013	301013	10mm	57mm



70mm LONG, 10mm X 35mm SHANK

3mm	18mm	*204003	*304003	10mm	70mm
3.2mm	35mm	204032	304032	10mm	70mm
4mm	35mm	204004	304004	10mm	70mm
4.5mm	35mm	204045	304045	10mm	70mm
5mm	35mm	204005	304005	10mm	70mm
5.1mm	35mm	204051	304051	10mm	70mm
5.2mm	35mm	204052	304052	10mm	70mm
5.5mm	35mm	204055	304055	10mm	70mm
6mm	35mm	204006	304006	10mm	70mm
6.5mm	35mm	204065	304065	10mm	70mm
6.7mm	35mm	204067	304067	10mm	70mm
7mm	35mm	204070	304070	10mm	70mm
7.5mm	35mm	204075	304075	10mm	70mm
8mm	35mm	204008	304008	10mm	70mm
8.2mm	35mm	204082	304082	10mm	70mm
9mm	35mm	204090	304090	10mm	70mm
10mm	35mm	204010	304100	10mm	70mm
11mm	35mm	204011	304011	10mm	70mm
12mm	35mm	204012	304012	10mm	70mm
13mm	35mm	204130	304130	10mm	70mm
14mm	35mm	204014	304014	10mm	70mm
15mm	35mm	204015	304015	10mm	70mm
16mm	35mm	204016	304016	10mm	70mm
17mm	35mm	204017	304017	10mm	70mm
3/16	35mm	204047	304047	10mm	70mm
1/4	35mm	204007	304007	10mm	70mm
3/8	35mm	204009	304009	10mm	70mm
7/16	35mm	204111	304111	10mm	70mm
1/2	35mm	204013	304013	10mm	70mm
5/8	35mm	204113	304113	10mm	70mm



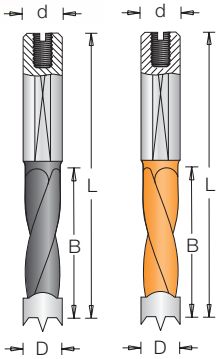
† Application: Not to be used in portable drills or hand held routers *With solid carbide cutting edge.
Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.

Amana Tool®

†BRAD POINT BORING

77mm LONG, 10mm X 44mm SHANK

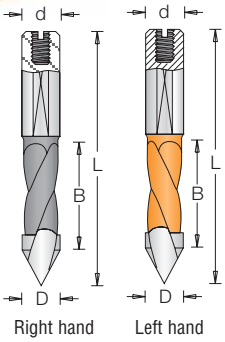
ØD	B	Tool No.- RH	Tool No.- LH	Ød	L
4mm	44mm	202004	302004	10mm	77mm
5mm	44mm	202005	302005	10mm	77mm
5.1mm	44mm	202051	302051	10mm	77mm
5.2mm	44mm	202052	302052	10mm	77mm
6mm	44mm	202006	302006	10mm	77mm
7mm	44mm	202070	302070	10mm	77mm
8mm	44mm	202008	302008	10mm	77mm
8.2mm	44mm	202082	302082	10mm	77mm
9mm	44mm	202090	302090	10mm	77mm
10mm	44mm	202010	302100	10mm	77mm
11mm	44mm	202011	302011	10mm	77mm
12mm	44mm	202012	302012	10mm	77mm



†THROUGH-HOLE ('V' POINT)

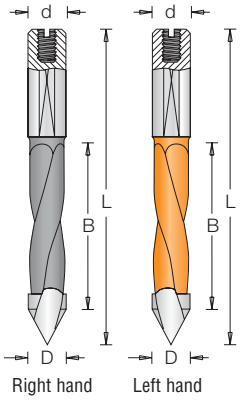
57mm LONG, 10mm X 25mm SHANK

ØD	B	Tool No.- RH	Tool No.- LH	Ød	L
4mm	25mm	313004	413004	10mm	57mm
5mm	25mm	313005	413005	10mm	57mm
6mm	25mm	313006	413006	10mm	57mm
7mm	25mm	313070	413070	10mm	57mm
8mm	25mm	313008	413008	10mm	57mm
9mm	25mm	313090	413090	10mm	57mm
10mm	25mm	313010	413010	10mm	57mm
12mm	25mm	313012	413012	10mm	57mm
1/4	25mm	313007	413007	10mm	57mm
3/8	25mm	313009	413009	10mm	57mm
1/2	25mm	313013	413013	10mm	57mm



70mm LONG, 10mm X 40mm SHANK

ØD	B	Tool No.- RH	Tool No.- LH	Ød	L
4mm	40mm	314004	414004	10mm	70mm
5mm	40mm	314005	414005	10mm	70mm
5.5mm	40mm	314055	414055	10mm	70mm
6mm	40mm	314006	414006	10mm	70mm
7mm	40mm	314070	414070	10mm	70mm
8mm	40mm	314008	414008	10mm	70mm
9mm	40mm	314090	414090	10mm	70mm
10mm	40mm	314010	414010	10mm	70mm
11mm	40mm	314011	414011	10mm	70mm
12mm	40mm	314012	414012	10mm	70mm
14mm	40mm	314014	414014	10mm	70mm
16mm	40mm	314016	414016	10mm	70mm
3/16	40mm	314047	414047	10mm	70mm
1/4	40mm	314007	414007	10mm	70mm
9/32	40mm	314281	414281	10mm	70mm
21/64	40mm	314833	414833	10mm	70mm
11/32	40mm	314343	414343	10mm	70mm
3/8	40mm	314009	414009	10mm	70mm
7/16	40mm	314111	414111	10mm	70mm
1/2	40mm	314013	414013	10mm	70mm
5/8	40mm	314113	414113	10mm	70mm



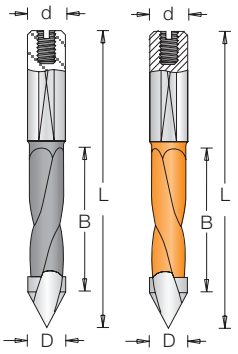
† Application: Not to be used in portable drills or handheld routers.

Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.

Boring/Drilling

†THROUGH-HOLE ('V' POINT)

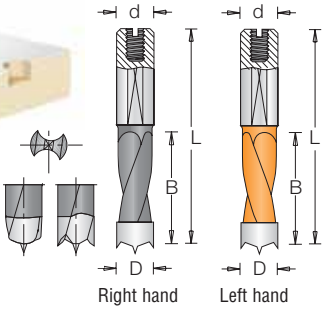
77mm LONG, 10mm X 45mm SHANK



ØD	B	Tool No.- RH	Tool No.- LH	Ød	L
5mm	45mm	315005	415005	10mm	77mm
6mm	45mm	315006	415006	10mm	77mm
7mm	45mm	315070	415070	10mm	77mm
8mm	45mm	315008	415008	10mm	77mm
9mm	45mm	315090	415090	10mm	77mm
10mm	45mm	315010	415010	10mm	77mm

†HIGH PERFORMANCE DITEC™ BRAD POINT BORING

Application: New series of Ditec™ dowel drills with special grinding and high performance carbide for ultra long-lasting applications.

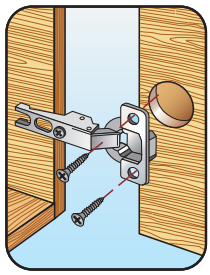


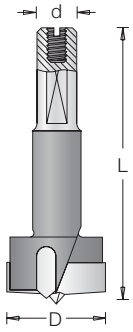
ØD	B	Tool No.- RH	Tool No.- LH	Ød	L
5mm	27mm	205005	305005	10mm	57mm
8mm	27mm	205008	305008	10mm	57mm
5mm	35mm	206005	306005	10mm	70mm
8mm	35mm	206008	306008	10mm	70mm

†HINGE BORING

57mm LONG, 10mm SHANK, 2-WING W/SPURS

Application: Boring machines (10mm shank) and drill presses (3/8" shank)





ØD	Ød	Tool No.- RH	Tool No.- LH	L
15mm	10mm	203151	203155	57mm
16mm	10mm	203161	203165	57mm
18mm	10mm	203181	203185	57mm
20mm	10mm	203201	203205	57mm
22mm	10mm	203221	203225	57mm
25mm	10mm	203251	203255	57mm
26mm	10mm	203261	203265	57mm
28mm	10mm	203281	203285	57mm
30mm	10mm	203301	203305	57mm
32mm	10mm	203321	203325	57mm
35mm	10mm	203351	203355	57mm
38mm	10mm	203381	203385	57mm
40mm	10mm	203401	203405	57mm
3/4	10mm	203751	203755	57mm

70mm LONG, 10mm SHANK, 2-WING W/SPURS

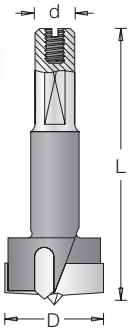
ØD	Ød	Tool No.- RH	Tool No.- LH	L
13mm	10mm	203132	203134	70mm
14mm	10mm	203142	203144	70mm
15mm	10mm	203152	203154	70mm
16mm	10mm	203162	203164	70mm
20mm	10mm	203202	203204	70mm
25mm	10mm	203252	203254	70mm
26mm	10mm	203262	203264	70mm
30mm	10mm	203302	203304	70mm
35mm	10mm	203352	203354	70mm
40mm	10mm	203402	203404	70mm
9/16	10mm	203146	203148	70mm
3/4	10mm	203752	203754	70mm

† Application: Not to be used in portable drills or handheld routers.

Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.

†HINGE BORING

77mm LONG, 10mm SHANK, 2-WING W/SPURS



ØD	Ød	Tool No.- RH	Tool No.- LH	L
25mm	10mm	**203256**	**203258**	77mm
30mm	10mm	**203306**	**203308**	77mm
35mm	10mm	**203356**	**203358**	77mm

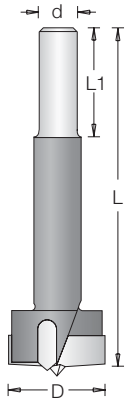
90mm LONG, 2-WING W/SPURS

ØD	Tool No. - Right Hand	Ød	L
16mm	**203166**	10mm	90mm
18mm	**203186**	10mm	90mm
22mm	**203226**	10mm	90mm
28mm	**203286**	10mm	90mm
35mm	**203357**	10mm	90mm
35mm	**203359**	3/8	90mm

†HINGE BORING

10mm ROUND SHANK • 2-WING WITH SPURS

Application: Drill Presses Only / Metric European hinges.



ØD	Ød	Tool No.	L1	L
8mm	10mm	**203008**	30mm	90mm
10mm	10mm	**203010**	30mm	90mm
11mm	10mm	**203011**	30mm	90mm
12mm	10mm	**203012**	30mm	90mm
13mm	10mm	**203013**	30mm	90mm
14mm	10mm	**203014**	30mm	90mm
15mm	10mm	**203015**	30mm	90mm
16mm	10mm	**203016**	30mm	90mm
17mm	10mm	**203017**	30mm	90mm
18mm	10mm	**203018**	30mm	90mm
19mm	10mm	**203019**	30mm	90mm
20mm	10mm	**203020**	30mm	90mm
21mm	10mm	**203021**	30mm	90mm
22mm	10mm	**203022**	30mm	90mm
23mm	10mm	**203023**	30mm	90mm
24mm	10mm	**203024**	30mm	90mm
25mm	10mm	**203250**	30mm	90mm
26mm	10mm	**203260**	30mm	90mm
27mm	10mm	**203027**	30mm	90mm
28mm	10mm	**203028**	30mm	90mm
29mm	10mm	**203029**	30mm	90mm
30mm	10mm	**203300**	30mm	90mm
31mm	10mm	**203031**	30mm	90mm
32mm	10mm	**203032**	30mm	90mm
33mm	10mm	**203033**	30mm	90mm
34mm	10mm	**203034**	30mm	90mm
35mm	10mm	**203350**	30mm	90mm
36mm	10mm	**203036**	30mm	90mm
37mm	10mm	**203037**	30mm	90mm
38mm	10mm	**203380**	30mm	90mm
39mm	10mm	**203039**	30mm	90mm
40mm	10mm	**203040**	30mm	90mm

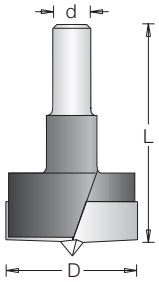
† **Application: Not to be used in portable drills or handheld routers.**

Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.

†HINGE BORING

3/8" SHANK • 2-WING

Application: Drill presses only, right hand rotation. Economical alternative to other 35mm hinge bits.



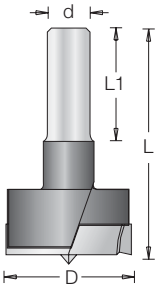
ØD	Ød	Tool No.	L
35mm	3/8	**EB-351**	57mm

NOTE: Right hand tools rotate clockwise. Left hand tools rotate counter-clockwise.

†HINGE BORING FOR ROUTERS

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.



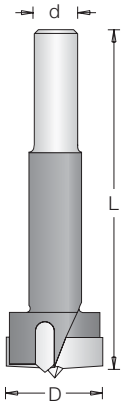
	ØD	Ød	Tool No.	L1	L
28	35mm	1/2	**203431**	30mm	60mm

WARNING: Maximum RPM 28 = 28,000

†FRACTIONAL SIZE BORING

2 & 3 WING • WITH SPURS

Application: 1/2" shank for use in drill presses only.



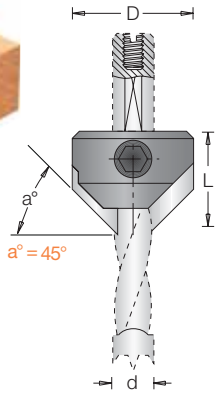
2-wing shown

ØD	Ød	Tool No.	L	Wings
1	1/2	**420108**	4	2
1-1/8	1/2	**420208**	4	2
1-1/4	1/2	**420308**	4	2
1-3/8	1/2	**420408**	4	2
1-1/2	1/2	**420508**	4	2
1-5/8	1/2	**420608**	4	2
1-3/4	1/2	**420708**	4	2
1-7/8	1/2	**420808**	4	2
2	1/2	**420908**	4	3
2-1/8	1/2	**420918**	4	3
2-1/4	1/2	**420998**	4	3

†METRIC COUNTERSINKS

2 FLUTE • CARBIDE-TIPPED

Application: Use with 10mm shank boring bits to drill and countersink for screws in one pass.



ØD	Ød	Tool No.- RH	Tool No.- LH	L
16mm	5mm	**316005**	**416005**	16.5mm
16mm	6mm	**316006**	**416006**	16.5mm
16mm	7mm	**316007**	**416007**	16.5mm
18mm	8mm	**316008**	**416008**	16.5mm
18mm	9mm	**316009**	**416009**	16.5mm
20mm	10mm	**316010**	**416010**	16.5mm
20mm	12mm	**316012**	**416012**	16.5mm

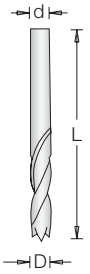
Replacement set screw #67087 (5mm only).
Replacement set screw #67079 (6mm to 12mm).
NOTE: Right hand tools rotate clockwise. Left hand tools rotate counter-clockwise.

† Application: Not to be used in portable drills or handheld routers.

Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.

†METRIC BORING DRILLS SOLID CARBIDE

Application: Boring machines for shelving hardware, etc. Use with adapters or bushings, shown below.

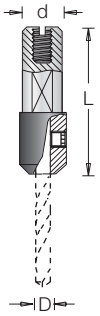


Ød & ØD	Tool No. - RD	Tool No. - LH	L
2mm	**363002**	**463002**	49mm
2.5mm	**363025**	**463025**	55mm
3mm	**363003**	**463003**	55mm
3.2mm	**363032**	**463032**	55mm
3.5mm	**363035**	**463035**	55mm
4mm	**363004**	**463004**	55mm
4.5mm	**363045**	**463045**	55mm
5mm	**363005**	**463005**	55mm

†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.)

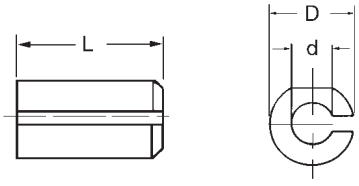


ØD	Ød	Tool No.	L
2mm	10mm	**364020**	38mm
2.3mm	10mm	**364023**	38mm
2.5mm	10mm	**364025**	38mm
3mm	10mm	**364030**	38mm
3.2mm	10mm	**364032**	38mm
3.5mm	10mm	**364035**	38mm
4mm	10mm	**364040**	38mm
4.5mm	10mm	**364045**	38mm
5mm	10mm	**364050**	38mm
1/4"	10mm	**364063**	38mm

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.)

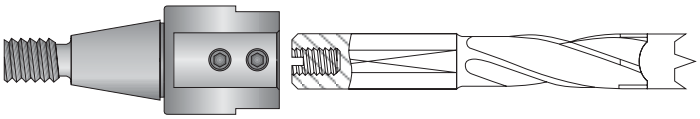


ØD	Ød	Tool No.	L
2mm	10mm	**365020**	23mm
2.5mm	10mm	**365025**	23mm
3mm	10mm	**365030**	23mm
3.2mm	10mm	**365032**	23mm
3.5mm	10mm	**365035**	23mm
4mm	10mm	**365040**	23mm
4.5mm	10mm	**365045**	23mm
5mm	10mm	**365050**	23mm

† Application: Not to be used in portable drills or handheld routers.

Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.

†BORING MACHINE REPLACEMENT CHUCKS FOR 10mm SHANK BORING

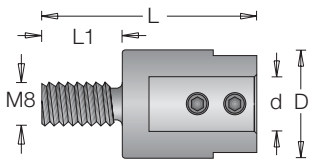


Application: Replace worn or damaged chucks. In stock for immediate delivery.
Meets or exceeds O.E.M. specifications.
Due to many different styles, please order carefully.

CHUCK FOR NOTTMEYER MACHINES

ØD	L1	Tool No.- RH	Tool No.- LH	M	Ød	L
19.5mm	15mm	**310010**	**310105**	8mm	10mm	40mm

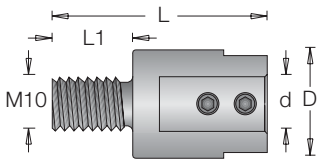
STYLE 310



CHUCK FOR TORWEGGE • AYEN MACHINES

ØD	L1	Tool No.- RH	Tool No.- LH	M	Ød	L
19.5mm	15mm	**302010**	**302105**	10mm	10mm	40mm

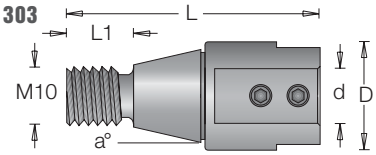
STYLE 302



CHUCK FOR BUSSELATTO • OMPEC MACHINES

ØD	L1	Tool No.- RH	Tool No.- LH	a°	M	Ød	L
19.5mm	11mm	**303010**	**303105**	30°	10mm	10mm	46mm

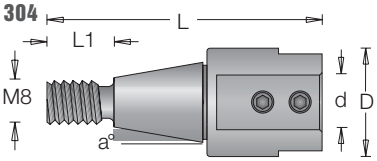
STYLE 303



CHUCK FOR BILEK MACHINES

ØD	L1	Tool No.- RH	Tool No.- LH	a°	M	Ød	L
19.3mm	11mm	**304010**	**304105**	20.8°	8mm	10mm	48mm

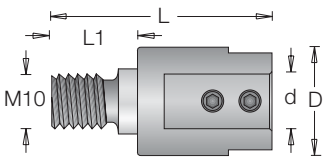
STYLE 304



CHUCK FOR HOLZ-HER • S.C.M.I. • MORBIDELLI • BIESE REIMALL • VITAP • WEEKE MACHINES

ØD	L1	Tool No.- RH	Tool No.- LH	M	Ød	L
19.5mm	16mm	**305010**	**305105**	10mm	10mm	41mm

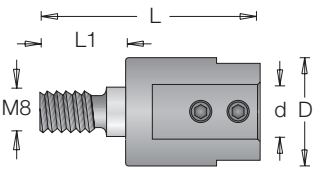
STYLE 305



CHUCK FOR • MORBIDELLI • NOTTMEYER MACHINES

ØD	L1	Tool No.- RH	Tool No.- LH	M	Ød	L
19.3mm	15mm	**358010**	**358105**	8mm	10mm	41mm

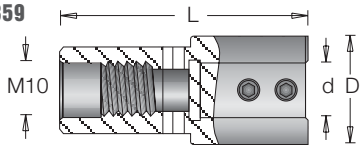
STYLE 358



CHUCK FOR SCHEER MACHINES

ØD	L1	Tool No.- RH	Tool No.- LH	M	Ød	L
19.5mm	—	**359010**	**359105**	10mm	10mm	42mm

STYLE 359



NOTE: Right hand tools rotate clockwise. Left hand tools rotate counter-clockwise.

† **Application: Not to be used in portable drills or handheld routers.**

Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.

ROSETTE CUTTER SYSTEM CARBIDE TIPPED

The only Rosette Cutter featuring replaceable carbide tipped insert knives. Fifteen different standard knife profiles available along with three sizes of blank knives for custom grinding.

The only Rosette Cutter with an optional shaper cutter head to make matching moldings.

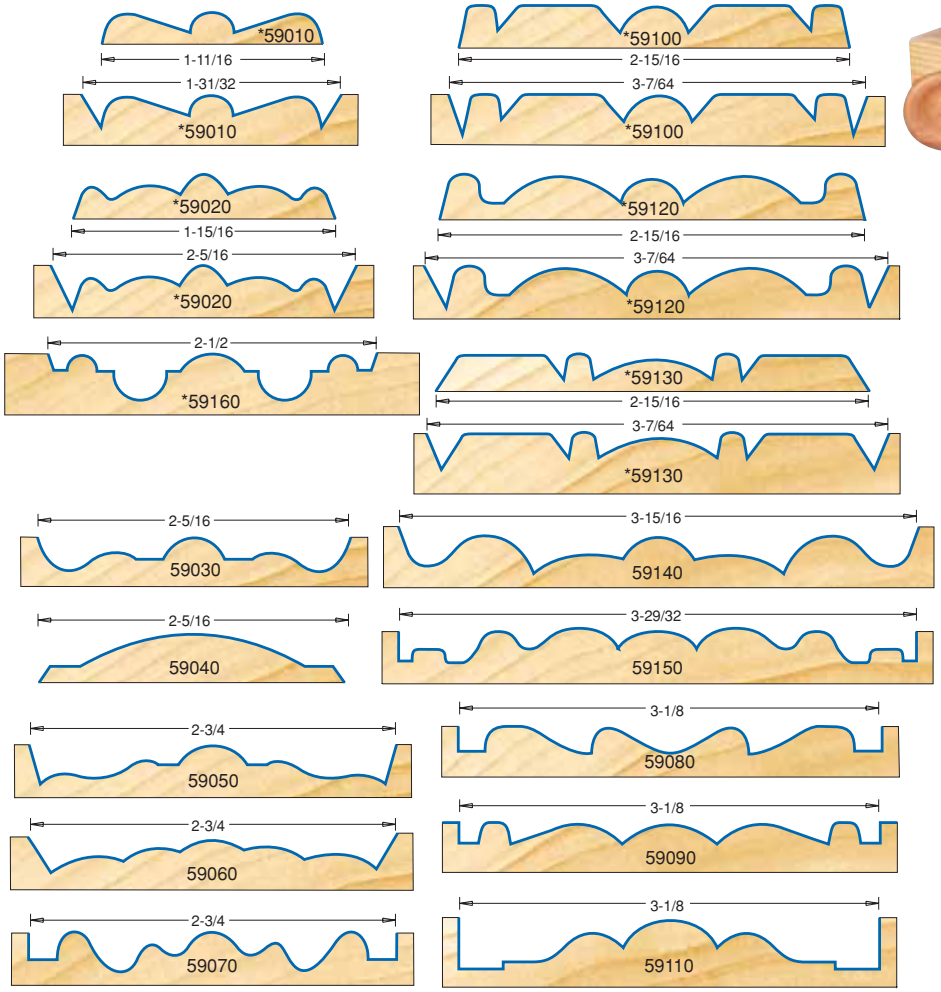
Precision balanced for high speed operation on a heavy-duty drill press, milling machine, lathe or shaper. All cutter bodies are manufactured using the highest quality tool steel.

The Rosette Cutter works well in softwoods, hardwoods, MDF and solid surface materials such as Corian®, Gibraltar®, Surell®, etc.

BLANK CARBIDE TIPPED KNIVES:

59500 1-3/16" width
59510 1-1/2" width
59520 1-15/16" width

Accessories/Parts:
Special 1" x 3/4" shaper cutter bushing - #59700
Replacement 3mm hex key - #5008
Replacement special screw - #67008 (6 required)
Replacement 1/2" shank arbor only - #59702



(Wood profiles not at actual size)

COMPLETE ROSETTE CUTTER SYSTEM

Important Ordering Instructions:
1) Select the desired product number for either the Rosette cutterhead, shaper head, or both.
2) Knives must be ordered separately and you must order two of each of the selected knife for proper operation.
3) The Rosette cutterhead is designed to be used with a heavy-duty drill press, milling machine or lathe. Do not attempt to use this product in a light-duty drill press, portable electric drill or router.
4) Suggested initial speed for a drill press, etc., is 800 RPM with a slow feed rate. Increase RPM if tool is cutting too slowly. Conversely, if burning occurs, decrease RPM.
5) Maximum RPM 5000 (Rosette cutter) and 10,000 (shaper cutterhead only).

* These knife patterns will cut either a standard recessed rosette or a rosette "button". (See photo and illustrations.)

NOTE: All knives are sold individually. Two of each knife are required for proper operation.

SET NO. 59000

Includes:
3-1/8" diameter Rosette Cutter (1/2" shank).
3-3/4" dia. shaper cutterhead (1" bore) hex key & custom wood box. Order knives separately.

Knives not included in set.

SET NO. 59004

Includes:
3-1/8" diameter Rosette Cutter (1/2" shank) hex key & custom wood box. Order knives separately.

Knives not included in set.

NO. 59002

Includes:
3-3/4" diameter shaper cutter only (1" bore). Order knives separately.

Knives not included.

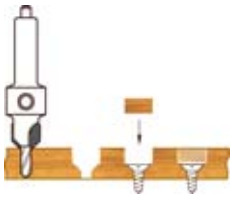
Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.

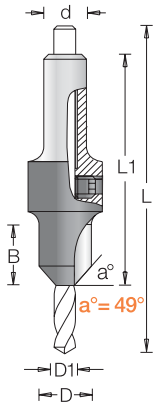
CARBIDE-TIPPED COUNTERSINK

FOR WOOD SCREWS / 2-WING

Wood Screw Size	ØD	ØD1	B	Ød	Tool No.	L1	L	Replacement Drill Bit
#4	11/32	3/32	1/2	5/16	**55200**	1-5/8	2-1/4	630-002
#4	3/8	7/64	1/2	5/16	**55201**	1-5/8	2-3/8	630-098
#6	5/16	1/8	1/2	5/16	**55203**	1-5/8	2-9/16	630-102
#6	3/8	1/8	1/2	5/16	**55202**	1-5/8	2-9/16	630-102
#6	1/2	1/8	1/2	5/16	**55205**	1-5/8	2-9/16	630-102
#6	25/64	9/64	1/2	5/16	**55204**	1-5/8	2-3/4	630-802
#8	25/64	5/32	1/2	5/16	**55206**	1-5/8	2-7/8	630-202
#8	7/16	11/64	1/2	5/16	**55208**	1-5/8	3	630-302
#10	7/16	3/16	1/2	3/8	**55210**	1-3/4	3	630-402
#10	1/2	3/16	1/2	3/8	**55211**	1-3/4	3	630-402
#12	15/32	7/32	1/2	3/8	**55212**	1-3/4	3	630-502
#12	1/2	7/32	1/2	3/8	**55213**	1-3/4	3	630-502
#14	1/2	15/64	1/2	3/8	**55214**	1-3/4	3	630-602
#14	1/2	1/4	1/2	3/8	**55215**	1-3/4	3	630-702
#14	17/32	1/4	1/2	3/8	**55216**	1-3/4	3	630-702

Replacement set screw #67083.





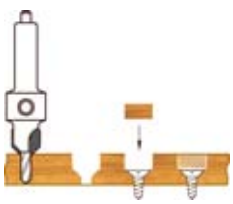
CARBIDE-TIPPED COUNTERSINKS WITH TAPER POINT DRILL

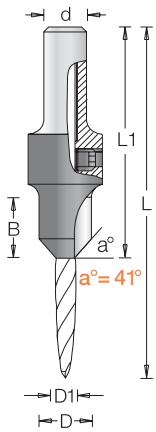
New

FOR WOOD SCREWS / 2-WING

Wood Screw Size	ØD	ØD1	B	Ød	Tool No.	L1	L	Replacement Drill Bit
#4	11/32	3/32	1/2	5/16	**55600**	1-1/2	2-1/4	630-262
#6	3/8	1/8	1/2	5/16	**55602**	1-5/8	2-9/16	630-266
#6	25/64	9/64	1/2	5/16	**55604**	1-5/8	2-3/4	630-268
#8	7/16	11/64	1/2	5/16	**55608**	1-5/8	2-7/8	630-272
#10	7/16	3/16	1/2	3/8	**55610**	1-3/4	3	630-274

Replacement set screw #67083.





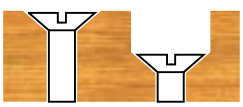
'DI-COUNT'™ ADJUSTABLE COUNTERSINK

Accepts Drills* from 3/32" through 9/32"
(Wood Screw Sizes #2 through #18.)

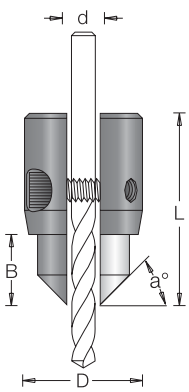
CARBIDE-TIPPED / 2-WING

ØD	a°	Tool No.	B	Ød	L
7/16-19/32	45°	**20200**	7/16	3/32-9/32	1-1/4

Replacement allen screws (2 required) #67090.
Replacement 3mm hex key #5004.
*Drills not included.



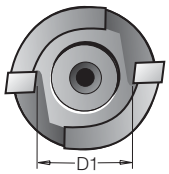
SEE QUICK CHANGE TYPE COUNTERSINKS ON PAGE 174.

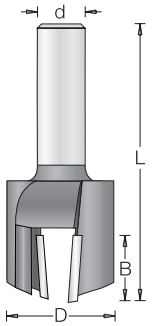


PLUG CUTTER FOR ROUTERS

1/2" SHANK • CARBIDE-TIPPED • 2 FLUTE

ØD	ØD1	B	Tool No.	Ød	L
5/8	3/8	1/2	**55220**	1/2	2-1/2
25/32	1/2	1/2	**55222**	1/2	2-1/2
29/32	5/8	1/2	**55224**	1/2	2-1/2





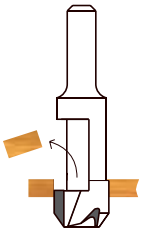
CARBIDE TIPPED COUNTERSINK & PLUG SET

10MM DIAMETER COUNTERSINK & PLUG

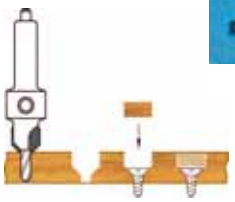
- Drilling & Countersinking with a single tool.
- Concealing of screwheads with plugs which perfectly fit with countersink.
- Designed for portable drills and drill presses.

Drill Dia.	Tool No.	Description
1/8"	**PS-100**	2 Pc. Countersink & Plug Cutter
9/64"	**PS-200**	2 Pc. Countersink & Plug Cutter
5/32"	**PS-300**	2 Pc. Countersink & Plug Cutter
11/64"	**PS-400**	2 Pc. Countersink & Plug Cutter
—	**PS-500**	All 4 Countersinks & drills & 1 Plug Cutter
—	**PLC-100**	Plug Cutter only (10mm dia.)

NOTE: All countersinks are carbide-tipped. The plug cutter and drill bits are high-speed steel. Countersinks have 8mm shank diameter.



PS-500

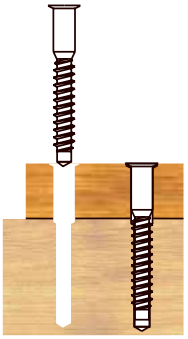


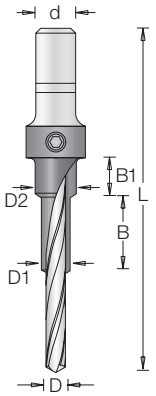
RTA FURNITURE DRILL/COUNTERSINK

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.

ØD	ØD1	ØD2	B	Tool No.	B1	Ød	L
3.5mm	5.0mm	7.0mm	15.0mm	**55102**	5.0mm	10mm	80mm
5.0mm	7.0mm	10.0mm	15.0mm	**55103**	5.0mm	10mm	90mm

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).

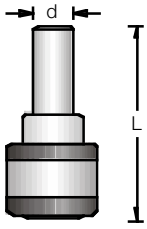




QUICK RELEASE ACCESSORIES

QUICK CHANGE CHUCK

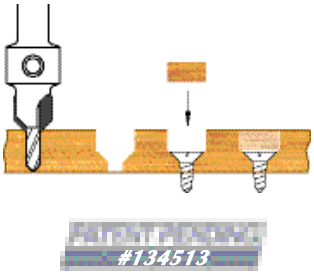
Simply pull sleeve to change drill bits, screwdrivers, countersinks and other power bits. Special long shaft for use with keyless chucks. This is an industrial quality accessory manufactured with exacting tolerances.

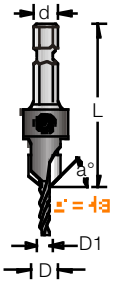


Ød	Tool No.	L
3/8	**55298**	2

CARBIDE TIPPED COUNTERSINKS

Drill pilot hole and tapered countersink for wood screws. Carbide tipped for long lasting results in hardwood, plywood, plastics, etc.





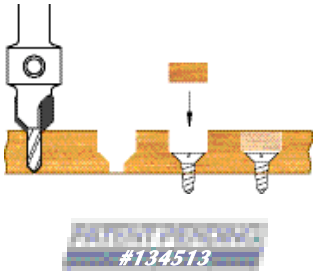
ØD	ØD1	Wood Screw Size	a°	Tool No.	Ød	L	Replacement Drill Bit
3/8	5/64	#4	49°	**55260**	1/4	2-1/8	630-001
3/8	3/32	#6	49°	**55262**	1/4	2-1/8	630-002
3/8	7/64	#8	49°	**55264**	1/4	2-1/8	630-098
3/8	1/8	#10	49°	**55266**	1/4	2-1/8	630-102
1/2	9/64	#12	49°	**55268**	1/4	2-1/8	630-802
1/2	5/32	#12-#14	49°	**55269**	1/4	2-1/8	630-202

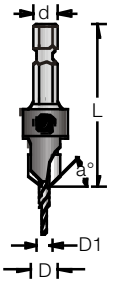
Replacement set screw #67083. Hex key #5009.

CARBIDE TIPPED COUNTERSINKS WITH TAPER POINT DRILL

New

Drill pilot hole and tapered countersink for wood screws. Carbide tipped for long lasting results in hard wood, plywood, plastics, etc.



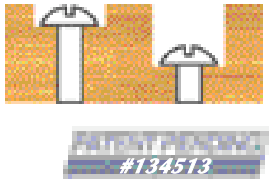


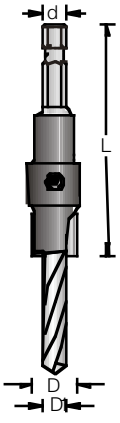
ØD	ØD1	Wood Screw Size	a°	Tool No.	Ød	L	Replacement Drill Bit
3/8	5/64	#4	41°	**55620**	1/4	2-1/8	630-260
3/8	3/32	#6	41°	**55622**	1/4	2-1/8	630-262
3/8	7/64	#8	41°	**55624**	1/4	2-1/8	630-264
3/8	1/8	#10	41°	**55626**	1/4	2-1/8	630-266
1/2	9/64	#12	41°	**55628**	1/4	2-1/8	630-268
1/2	5/32	#12-#14	41°	**55630**	1/4	2-1/8	630-270

Replacement set screw #67083. Hex key #5009.

CARBIDE TIPPED COUNTERBORES

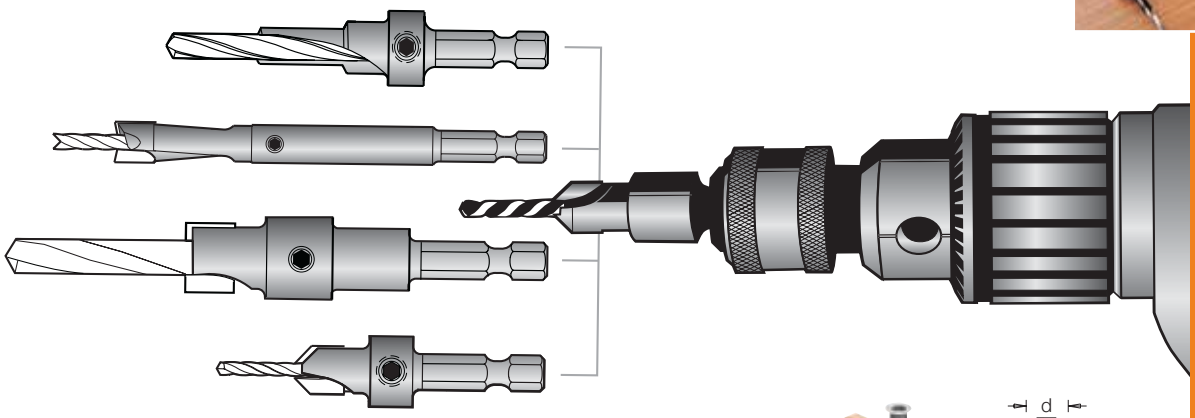
Flat bottom counterbores for using round head screws, hex bolts, etc. Includes pilot drill.





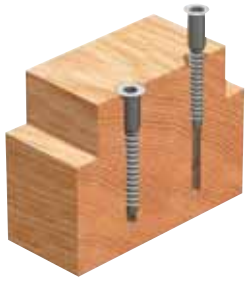
ØD	ØD1	Ød	Tool No.	L	Replacement Drill Bit
3/8	5/32	1/4	**55280**	2-3/16	630-202
3/8	3/16	1/4	**55282**	2-3/16	630-402
1/2	3/16	1/4	**55284**	2-3/4	630-402
1/2	1/4	1/4	**55286**	2-3/4	630-702
5/8	1/4	1/4	**55288**	2-3/4	630-702

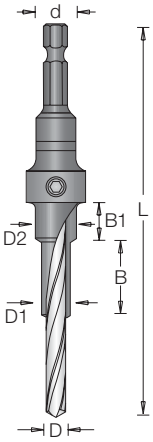
Replacement set screw #67083. Hex key #5009.



RTA FURNITURE DRILL/COUNTERSINK

RTA furniture step drill. Used for drilling pilot hole, clearance hole and countersinking.



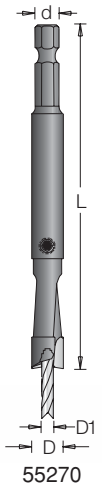


ØD	ØD1	ØD2	Ød	Tool No.	B	B1	L
3.5mm	5.0mm	7.0mm	1/4	**55290**	15.0mm	5.0mm	52.0mm
5.0mm	7.0mm	10.0mm	1/4	**55292**	15.0mm	5.0mm	90.0mm

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).

CARBIDE TIPPED COUNTERBORES FOR FACE FRAME MACHINES W/QUICK SHANK

ØD	Type	Description	Tool No.	ØD1	Ød	L
3/8	1	Counterbore/drill for face frame machines	**55270**	.136	1/4	4
—	—	#29 replacement HSS fish tail drill	**424004**	.136	—	2-7/8
—	—	8-32 NC set screw	**67010**	—	—	—

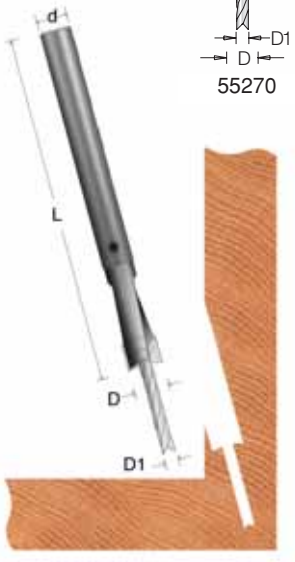


55270

†CARBIDE TIPPED COUNTERBORES FOR FACE FRAME MACHINES

Application: 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. Available for face frame machines (type 1) and drill presses (type 2). Type 1 will fit Evans, Ritter, Unique, Marcon and Norfield face frame machines.

ØD	Type	Description	Tool No.	ØD1	Ød	L
3/8	1	Counterbore/drill for face frame machines	**424000**	.136	3/8	4
3/8	2	Counterbore/drill for drill presses	**424002**	.136	3/8	6
—	—	#29 replacement HSS fishtail drill	**424004**	.136	—	2-7/8
—	—	8-32 NC set screw	**67010**	—	—	—



† **Application: Not to be used in portable drills or handheld routers.**

Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.

FORSTNER PATTERN SETS HIGH CARBON TOOL STEEL

All sets are packed in beautiful, custom-made hardwood cases. Features a sliding, clear acrylic door with sizes imprinted on the front and a pre-drilled bit tray that rotates for easy access to your tools.

Set No. FO-700

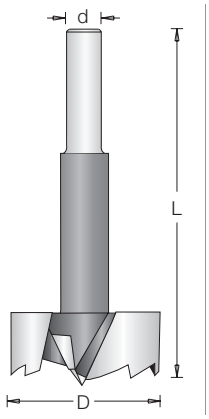
3/8" SHANK

Description	Order #
6-Piece Forstner bit set, 3/8" shank. Sizes: 3/8, 1/2, 5/8, 3/4, 7/8, 1.	**FO-600**
15-Piece Forstner bit set, 3/8" shank. Sizes: All 15 fractional sizes. (3/8 through 2-1/8 in 1/8 increments.)	**FO-700**

Set No. FO-600

MULTI-TOOTH FORSTNER BITS

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.

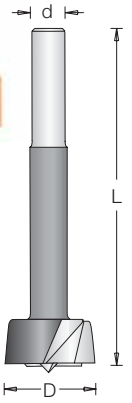


1/2" SHANK HIGH CARBON TOOL STEEL

ØD	Tool No.	Ød	L
2-1/8 (54mm)	**FO-546**	1/2	6
2-1/4 (57mm)	**FO-558**	1/2	6
2-3/8 (60mm)	**FO-562**	1/2	6
3 (76mm)	**FO-574**	1/2	6
3-1/8 (80mm)	**FO-560**	1/2	6

FORSTNER PATTERN BITS

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.



2 WING HIGH CARBON TOOL STEEL

ØD	Ød	Tool No.	L	ØD	Ød	Tool No.	L
1/4	5/16	**FO-080**	3-1/2	1	3/8	**FO-254**	3-1/2
3/8	3/8	**FO-095**	3-1/2	1-1/16	3/8	**FO-269**	3-1/2
5/16	3/8	**FO-079**	3	1-1/8	3/8	**FO-285**	3-1/2
7/16	3/8	**FO-111**	3-1/2	1-1/4	3/8	**FO-317**	3-1/2
1/2	3/8	**FO-127**	3-1/2	1-3/8	3/8	**FO-349**	3-1/2
9/16	3/8	**FO-142**	3-1/2	35mm	3/8	**FO-350**	3-1/2
5/8	3/8	**FO-160**	3-1/2	1-1/2	3/8	**FO-381**	3-1/2
11/16	3/8	**FO-174**	3-1/2	1-5/8	3/8	**FO-413**	3-1/2
3/4	3/8	**FO-190**	3-1/2	1-3/4	3/8	**FO-445**	3-1/2
13/16	3/8	**FO-206**	3-1/2	1-7/8	3/8	**FO-476**	3-1/2
7/8	3/8	**FO-222**	3-1/2	2	3/8	**FO-508**	3-1/2
15/16	3/8	**FO-238**	3-1/2	2-1/8	3/8	**FO-540**	3-1/2

***NOTE:** A small pilot hole used for centering will be present on flat bottom holes.

SAW BLADES

DYNAMIC STRAIGHTNESS
Fully Automated Dynamic Operation Long-Lasting Straightness, Longer Tool Life and Superior Cutting Quality

DYNAMIC BALANCING
Unique balancing procedure according to ISO 1940 performed on special dedicated machines

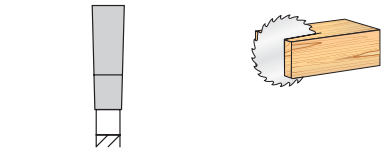
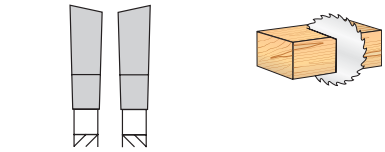
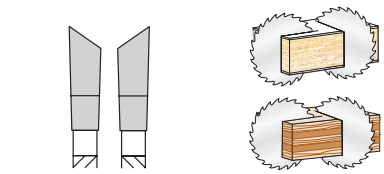
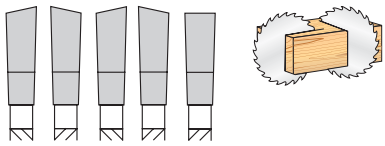
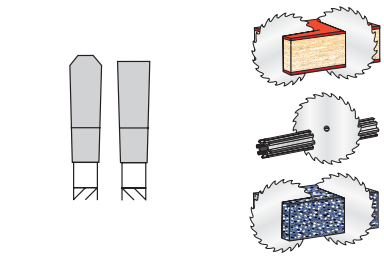
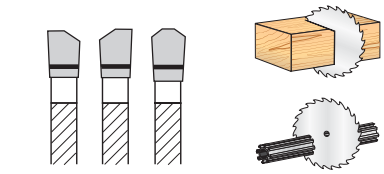
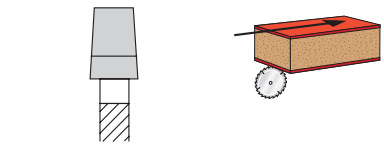
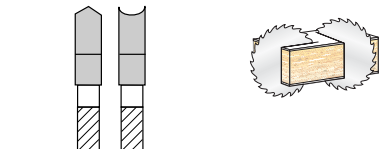
DYNAMIC TENSIONING
Process used to ensure blade stiffness to eliminate dishing and warping

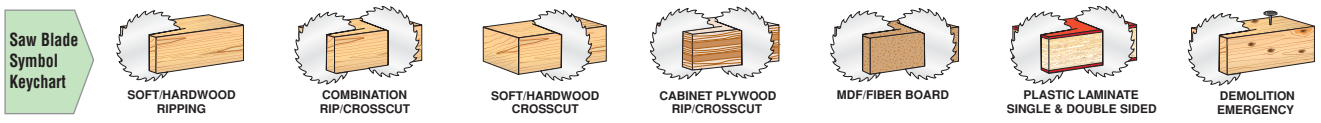
COPPERPLUG
REDUCES NOISE & VIBRATION

Saw Blades

GENERAL INFORMATION

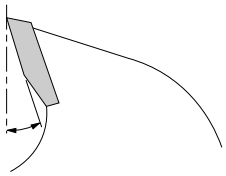
1. TOOTH CONFIGURATIONS

	**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 & 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. Also used on dado sets, only every 6th tooth is flat ground.
	**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.).



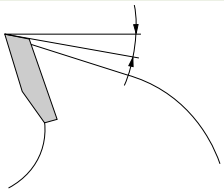
GENERAL INFORMATION

2. TOOTH ANGLES



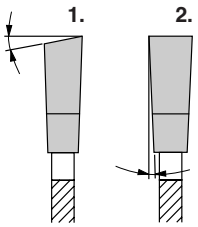
HOOK (RAKE) ANGLE 6° - 22°

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° - 15°

This angle changes according to the hardness of material; 12° for hard and 15° for softer materials.



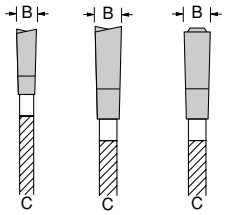
1. TOP BEVEL ANGLE 8° - 12°

Normally 10°, enabling gradual penetration into material.

2. RADIAL SIDE ANGLE 1° - 2°

Allows clearance along the sides of the tooth.

3. GENERAL



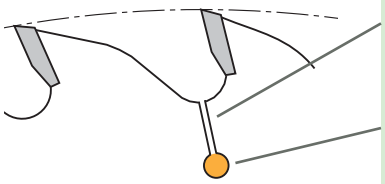
KERF ('B')

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.

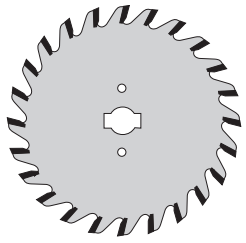


EXPANSION SLOTS

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.
P.H. denotes pin-hole configuration, if applicable.
Example: 2/10/60 = 2 @ 10mm dia. on 60mm circle.

NOTE: A special re-boring service and bushings are available for non-standard sizes. Please see page 188.

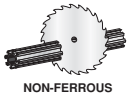
Saw Blade Symbol Keychart

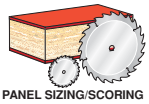
ACRYLIC & NO MELT PLASTIC

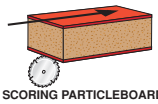
PHENOLIC & HARD PLASTIC

SOLID SURFACE

MELAMINE SINGLE & DOUBLE SIDED


NON-FERROUS ALLOYS


PANEL SIZING/SCORING


SCORING PARTICLEBOARD & DOUBLE SIDED MDF LAMINATE

Saw Blades

INDUSTRIAL SAW BLADE QUICK INDEX 7" THROUGH 10"

† Machine Key: T=Table Saw G=Gang Saw R=Radial Saw M=Miter Saw S=Sliding Table Saw

(C) denotes available with clamshell package.
n denotes new product.
◆ denotes heavy duty plate and kerf for extreme conditions.

	APPLICATION	GRIND	TYPE	CATALOG PAGE #	†MACHINE KEY	7" (180mm) 5/8" BORE	8" (200mm) 5/8" BORE	220mm 30mm BORE	9" (230mm) 5/8" BORE	10" (250mm) 5/8" BORE
WOOD/CABINET PLYWOOD	RIPPING	FT TCG	Standard	182	T,S	RS-710	–	–	–	610200(C)(-30)
			Euro	182	T,S	–	–	–	–	RB1020(C)(-30)
			◆Heavy-duty	183	T,S	–	–	–	–	710200
			Glue Line	183	T,G,S	–	–	–	–	610301
			Gang Rip	184	G					GR1010/GR1018
	GENERAL PURPOSE	ATB	Standard	185	T,S	GP-420	–	220T340	694000	610400(C)(-30)
			Prestige	190				610300(-30)	PR1040	PR1040
			Thin Kerf	186	T,M	–	TB83400	–	–	TB10400
			◆Heavy-duty		T	–	–	–	–	–
	COMBINATION RIP/CROSSCUT	4 & 1	Standard	186	T	–	684004	–	694004	610504(C) 610404(C)
			Radial Arm	197	R,M	– –	– –	– –	– –	RA1024 610720(C)
	CUT-OFF/CROSSCUT TRIM	ATB	Standard	185 187	T,R,M,S	FC-520	684800 FC-530	–	696000	610600(C)(-30)
			◆Heavy-duty	188-189	T,R	–		–	–	–
			Ditec™	199	T,R,M,S	–	–	–	–	DT10600(30)
			Radial Arm	197						
			General	189						
	THIN KERF TRIM/MITER	ATB TCG	Standard	190			TB86400			TB10800
			Miter	191			TB86401			TB10801
										TB10100
										TB10101
	MITER/DOUBLE MITER	C-TCG 4 & 1	Standard	192						MS10600
										MS10800
	FINE CROSSCUT	ATB	Standard	188	T,R,M,S	675600	686400	220T640	–	610800(C)
			◆Heavy-duty		T,R,S	–	–	–	–	–
			Thin Kerf		T, M	–	–	–	–	610800(C)-TS
			Ditec™	199	T,R,M,S	–	–	–	–	DT10800
MDF/CHIPBOARD/LAMINATE	MDF/LAMINATE GENERAL PURPOSE	TCG	Standard		T,R,S	–	–	–	–	610401(C)(-30)
			◆Heavy-duty		T,R	–	–	–	–	–
			Thin Kerf							
	MDF/LAMINATE CUT-OFF	TCG	Standard		T,R,M,S	–	684801	–	696001	610601(C)(-30)
			◆Heavy-duty	199	T,R	–	–	–	–	–
			Ditec™		T,R,M,S	–	–	–	–	DT10601
			Thin Kerf							
	MDF/LAMINATE FINE CROSSCUT	TCG	Standard		T,R,S	–	686401(-30)	220T641	–	610801(C)(-30)
			Heavy-duty		T,R	–	–	–	–	–
			Thin Kerf		T,M	–	TB86401	–	–	610801(C)-TS
			Ditec™		T,R,M,S	–	–	DT220641	–	DT10801(-30)
SPECIALTY	DEMOLITION & NAIL CUTTING	FT	Standard	212						
				213		NC-820				
	MELAMINE	H-ATB	Standard	194	T,S	–	MB86400	MB220T420	–	MB10800(C)(-30)
								DT220T640	–	MSB1080(C)(-30)
			Ditec™	198						DT10720
	HOLLOW GROUND	HG	Negative Hook	193						
			Positive Hook	193				HG220T403		HG10483(-30)
			Pos. HG		T,S	–	–	DT220T640	–	DT10720
			Special HG		T,S	–	–	HG220T420	–	HG10480(-30)
	SOLID SURFACE	TCG	Standard	195	T,S,R,M	–	–	–	–	610721(C)(-30)
			Ditec™	200	T,S	–	DT86401	DT220T643	–	DT10721
	"NO-MELT" ACRYLIC, LEXAN	TCG	Standard	195	T,S,R,M	PC-620	LB86401	LB220T641	–	LB10801(C)(-30)
							PC-630			
	ALUMINUM NON-FERROUS	TCG	Extrusions:							
			Thick Wall	196	T,M	–	584801	–	–	510601(C)(-30)
			Thin Wall	196	T,M	575601	586401	–	596001	510801(C)(-30) 510101(C)
			Miter	192						
			Double Miter	192						CTC10963

*Bore diameter denotes standard size (-30 denotes 30mm bore also available as standard). Reboring, pin-holes and keyways available - please see page 188 for further information.

† Machine Key: T=Table Saw G=Gang Saw R=Radial Saw M=Miter Saw S=Sliding Table Saw

(C) denotes available with clamshell package.
n denotes new product.
◆ denotes heavy duty plate and kerf for extreme conditions.

Saw Blades

INDUSTRIAL SAW BLADE QUICK INDEX 12" THROUGH 20"

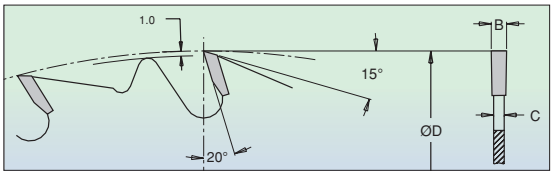
	APPLICATION	GRIND	TYPE	CATALOG PAGE #	†MACHINE KEY	12" (300mm) 1" BORE	14" (350mm) 1" BORE	16" 400mm 1" BORE	18" (450mm) 1" BORE	20" (500mm) 1" BORE
WOOD/CABINET PLYWOOD	RIPPING	FT TCG	Standard	182	T,S	612240(-30)	614280(-30)	616320(-30)	618320	620360
			Euro	182	T,S	RB1224(C)(-30)	RB1428(-30)	RB1628	RB1840	RB2044
			◆Heavy-duty	183	T,S	712240	714280(-30)	716320	–	72360
			Glue Line	183	T,G,S	612401	614401	–	–	–
			Gang Rip	184	G	GR1212/GR1220	GR1414/GR1424	616401		
	GENERAL PURPOSE	ATB	Standard	185	T,S	612360(-30) 612480(C)(-30)	614540(-30) 614420(-30)	616480(-30) 616600(-30)	618540	620600
			Prestige	190		PR1240				
			Thin Kerf	186	T,M	TB12480	TB14540(-30)	–	–	–
			◆Heavy-duty		T			716600		
	COMBINATION RIP/CROSSCUT	4 & 1	Standard	186	T	612604(C) –	614704 –	616804 –	– –	– –
			Radial Arm	197	R,M	RA1236(-30) –	RA1440 RA1442	RA16840 RA1640	– –	– –
	CUT-OFF/CROSSCUT TRIM	ATB	Standard	185 187	T,R,M,S	612600(C)(-30) 612720(C)(-30)	614720(-30) 614840	616960 –	618108(-30) –	620120(-30) –
			◆Heavy-duty	188-189	T,R	712600	714720, 714840		–	–
			Ditec™	199	T,R,M,S	DT12720(-30)	DT14840(-30)	716600	–	–
			Radial Arm	197				716800		
			General	189						
	THIN KERF TRIM/MITER	ATB TCG	Standard	190		TB12960	TB14108			
			Miter	191		TB12961	TB14109			
	MITER/DOUBLE MITER	C-TCG 4 & 1	Standard	192		MS12800-5/8	MS14100			
						MS12100-5/8	MS14100-5/8			
						MS12800				
	FINE CROSSCUT	ATB	Standard	188	T,R,M,S	612960(C)(-30)	614108(-30)	616128	618132	–
			◆Heavy-duty		T,R,S	712960	–	716960	–	–
			Thin Kerf		T, M	612960-TS TB12960	614108-TS TB14108(-30)	– –	– –	– –
			Ditec™	199	T,R,M,S	DT12960(-30)	DT14108(-30)	–	–	–
MDF/CHIPBOARD/LAMINATE	MDF/LAMINATE GENERAL PURPOSE	TCG	Standard		T,R,S	612601(-30)	614541	–	–	–
			◆Heavy-duty		T,R	712601	–	716601, 716801	–	–
			Thin Kerf				714721 714841			
	MDF/LAMINATE CUT OFF	TCG	Standard		T,R,M,S	612721(C)(-30)	614721(-30) 614841	616961	618109(-30)	620121
			◆Heavy-duty	199	T,R	–	714721, 714841	716961	–	–
			Ditec™		T,R,M,S	DT12721(-30) 612961(C)(-30)	DT14841(-30)	–	–	–
			Thin Kerf							
	MDF/LAMINATE FINE CROSSCUT	TCG	Standard		T,R,S	612961(C)(-30)	614109	616129	618133	–
			Heavy-duty		T,R	712961	–	–	–	–
			Thin Kerf		T,M	TB12961	TB14109	–	–	–
			Ditec™		T,R,M,S	DT12961(-30)	DT14109(-30)	–	–	–
SPECIALTY	DEMOLITION & NAIL CUTTING	FT	Standard	212						
				213		300-24-1				
	MELAMINE	H-ATB	Standard	194	T,S	MB12960(C)(-30)	MB14108	MB16120	–	–
						MSB1296(C)(-30)			–	
			Ditec™	198	T,S	DT12840(-30)				
	HOLLOW GROUND	HG	Negative Hook	193		HG12603(-30)				
			Positive Hook	193						
			Pos. HG		T,S	–	–			
			Special HG		T,S	HG12600(-30)	HG14720(-30)			
	SOLID SURFACE	TCG	Standard	195	T,S,R,M	612841(-30)	614461	619109	–	–
			Ditec™	200	T,S	DT12841(-30)	–	–	–	
	"NO-MELT" ACRYLIC, LEXAN	TCG	Standard	195	T,S,R,M	LB12961	LB14108	LB16121	–	–
	ALUMINUM NON-FERROUS	TCG	Extrusions: Thick Wall	196	T,M	512721(C)(-30)	514841	516961	518108	
			Thin Wall	196	T,M	512961(C)(-30)	514108(-30)	516121	518121	520121
			Miter	192		CTC12108				
			Double Miter	192		CTC12108-5/8				

*Bore diameter denotes standard size (-30 denotes 30mm bore also available as standard). Reboring, pin-holes and keyways available - please see page 188 for further information.

Saw Blades

'EURO-RIP' RIPPING WITH COOLING SLOTS AND ANTI-KICKBACK FEATURE

10" TO 20"



20° HOOK • FLAT TOP (FT) GRIND

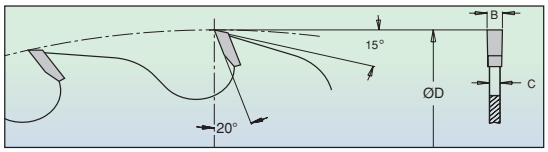
Designed for ripping hardwood and softwood, this exceptional blade cuts fast and smooth. The flat-top grind and the high positive hook angle reduce feed effort. The anti-kickback limits the thickness of chip; taken to offer a safer cut. Cooling slots in the body prevent excessive heat build-up.

ØD Inch	ØD mm	Teeth	Grind	'B' Kerf Inch	Tool No.	'C' Plate Inch	'C' Plate Bore	*P.H.
10	250	20	FT	.126	**RB1020**	.087	5/8	–
10	250	20	FT	.126	**RB1020-30**	.087	30mm	2/7/42 & 2/10/60
12	300	24	FT	.126	**RB1224**	.087	1	–
12	300	24	FT	.126	**RB1224-30**	.087	30mm	2/7/42 & 2/10/60
14	350	28	FT	.126	**RB1428**	.087	1	–
14	350	28	FT	.126	**RB1428-30**	.087	30mm	2/7/42 & 2/10/60
16	400	28	FT	.137	**RB1628**	.098	1	–
18	450	40	FT	.157	**RB1840**	.110	1	–
20	500	44	FT	.173	**RB2044**	.118	1	–

NOTE: *All 30mm bore include the pin-hole arrangements.

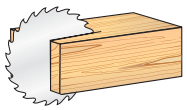
RIPPING STANDARD

10" TO 20"



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 new blade with the 20° hook angle features a thicker plate and cuts a wider kerf. Use in single and gang-rip saws.



ØD Inch	ØD mm	Teeth	Grind	'B' Kerf Inch	Tool No.	'C' Plate Inch	'C' Plate Bore	*P.H.
10	250	24	FT	.142	**610240**	.095	5/8	–
12	300	30	FT	.173	**612300-30**	.110	30mm	2/7/42 & 2/10/60
12	300	30	FT	.160	Δ **612300-70**	.110	70mm	–
12	300	30	FT	.160	**612300**	.110	1	–
14	350	30	FT	.170	**614300-30**	.118	30mm	2/7/42 & 2/10/60
14	350	30	FT	.170	Δ **614300-70**	.118	70mm	–
14	350	30	FT	.170	**614300**	.118	1	–
16	400	36	FT	.173	**616360-30**	.118	30mm	2/7/42 & 2/10/60
18	450	32	FT	.157	**618320**	.110	1	–
20	500	36	FT	.173	**620360**	.110	1	–

Δ 2 Keyways (5mm x 20mm)

18° HOOK

ØD Inch	ØD mm	Teeth	Grind	'B' Kerf Inch	Tool No.	'C' Plate Inch	'C' Plate Bore	*P.H.
10	250	20	FT	.126	**610200**	.087	5/8	–
New 10	250	20	FT	.126	**610200-30**	.087	30mm	2/7/42 & 2/10/60
12	300	24	FT	.126	**612240**	.087	1	–
12	300	24	FT	.126	**612240-30**	.087	30mm	2/7/42 & 2/10/60
14	350	28	FT	.137	**614280**	.098	1	–
14	350	28	FT	.137	**614280-30**	.098	30mm	2/7/42 & 2/10/60
16	400	32	FT	.137	**616320**	.098	1	–
16	400	32	FT	.137	**616320-30**	.098	30mm	2/7/42 & 2/10/60

NOTE: *P.H. denotes pin-hole configuration, if applicable. Example: 2/10/60 = 2 @ 10mm dia. on 60mm circle.

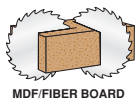
Saw Blade Symbol Keychart

SOFT/HARDWOOD RIPPING

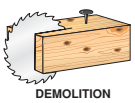
COMBINATION RIP/CROSSCUT

SOFT/HARDWOOD CROSSCUT

CABINET PLYWOOD RIP/CROSSCUT


MDF/FIBER BOARD

PLASTIC LAMINATE SINGLE & DOUBLE SIDED

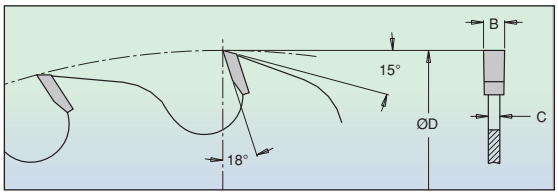

DEMOLITION EMERGENCY

Amana Tool®

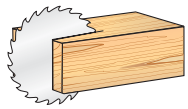
RIPPING HEAVY-DUTY

10" TO 20"

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.

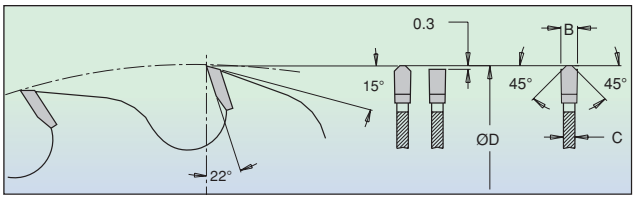


ØD Inch	ØD mm	Teeth	Grind	Tool No.	'B' Kerf Inch	'C' Plate Inch	Bore	*P.H.
10	250	20	FT	**710200**	.150	.095	5/8	–
12	300	24	FT	**712240**	.173	.110	1	–
14	350	28	FT	**714280**	.173	.110	1	–
14	350	28	FT	**714280-30**	.173	.110	30mm	2/10/60
16	400	32	FT	**716320**	.173	.118	1	–
16	400	32	FT	**716320-30**	.173	.118	30mm	2/10/60
20	500	36	FT	**720360**	.173	.118	1	–

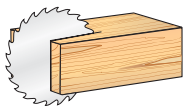
GLUE LINE RIPPING

10" TO 16"

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 & 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.

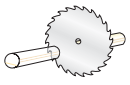


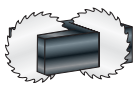
ØD Inch	ØD mm	Teeth	Grind	'B' Kerf Inch	Tool No.	'C' Plate Inch	Bore	*P.H.	Machine
10	250	30	TCG	.145	**610301**	.095	5/8	–	–
12	300	40	TCG	.160	**612401**	.110	1	–	–
12	300	40	TCG	.160	**612401-3-1/8**	.110	3-1/8	–	Mereen-Johnson
12	300	40	TCG	.160	Δ **612401-70**	.110	70mm	–	SCM
14	350	40	TCG	.169	**614401**	.118	1	–	–
14	350	40	TCG	.169	**614401-3-1/8**	.118	3-1/8	–	Mereen-Johnson
14	350	40	TCG	.169	Δ **614401-70**	.118	70mm	–	SCM
16	400	40	TCG	.169	**616401**	.118	1	–	–

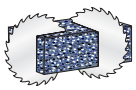
Δ 2 Keyways (20mm Centers x 5mm Dia.)

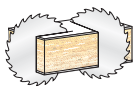
NOTE: *P.H. denotes pin-hole configuration, if applicable. Example: 2/10/60 = 2 @ 10mm dia. on 60mm circle.

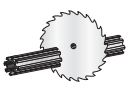
Saw Blade Symbol Keychart


ACRYLIC & NO MELT PLASTIC

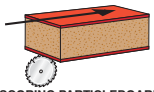

PHENOLIC & HARD PLASTIC


SOLID SURFACE


MELAMINE SINGLE & DOUBLE SIDED


NON-FERROUS ALLOYS

PANEL SIZING/SCORING

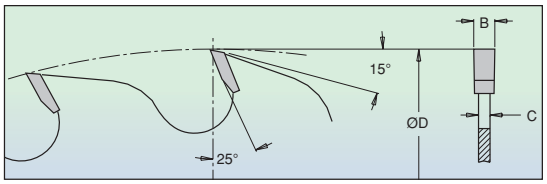

SCORING PARTICLEBOARD & DOUBLE SIDED MDF LAMINATE

Saw Blades

GANG RIP BLADES WITH 2 CARBIDE RAKERS

10" TO 14"

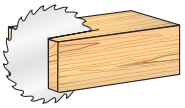
25° HOOK
FLAT TOP (FT) GRIND



For ripping soft or hardwood on gang rip wet or dry. Please pay attention to the keyway.

ØD Inch	ØD mm	Teeth	Grind	Tool No.	'B' Kerf Inch	'C' Plate Inch	Bore
10	250	10+2	FT	■ GR1010	.125	.083	2-3/8
12	300	12+2	FT	◆ GR1212	.125	.083	2-15/16
12	300	12+2	FT	◆ GR1214	.150	.109	2-15/16
14	350	14+2	FT	◆ GR1414	.160	.120	2-1/2
14	350	16+2	FT	● GR1416	.125	.083	4

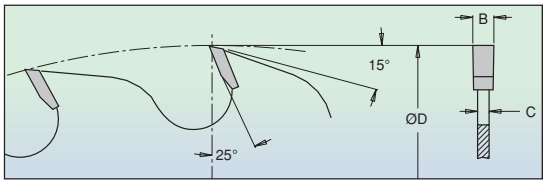
■ 1 square keyway 3/8" x 3/8".
◆ 2 round keyways 3/8" x 3/8" + 1 round keyway 1/2" x 1/2".
● 1 pin-hole 7/16" dia. on 5" bolt circle.



GANG RIP BLADES WITH 2+2 CARBIDE CHIP CLEARANCE RAKERS

10" TO 14"

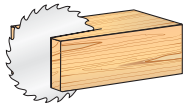
25° HOOK
FLAT TOP (FT) GRIND



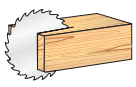
For ripping soft or hardwood on gang rip wet or dry. Please pay attention to the keyway.

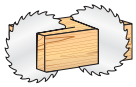
ØD Inch	ØD mm	Teeth	Grind	Tool No.	'B' Kerf Inch	'C' Plate Inch	Bore
10	250	18+2+2	FT	■ GR1018	.174	.110	2-3/8
12	300	20+2+2	FT	◆ GR1220	.197	.125	2-15/16
14	350	24+2+2	FT	◆ GR1424	.197	.125	2-1/2
14	350	24+2+2	FT	● GR1426	.197	.125	4

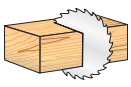
■ 1 square keyway 3/8" x 3/8".
◆ 2 round keyways 3/8" x 3/8" + 1 round keyway 1/2" x 1/2".
● 1 pin-hole 7/16" dia. on 5" bolt circle.

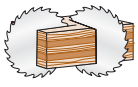


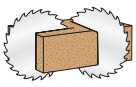
Saw Blade Symbol Keychart


SOFT/HARDWOOD RIPPING

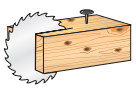

COMBINATION RIP/CROSSCUT


SOFT/HARDWOOD CROSSCUT


CABINET PLYWOOD RIP/CROSSCUT


MDF/FIBER BOARD

PLASTIC LAMINATE SINGLE & DOUBLE SIDED

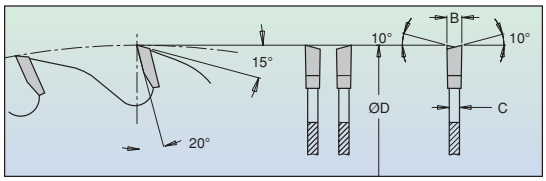

DEMOLITION EMERGENCY

Amana Tool®

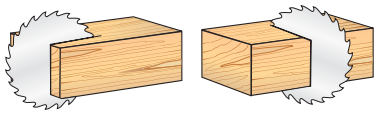
MULTI-USE RIPPING/GENERAL PURPOSE

10" TO 20"

20° HOOK • ALTERNATE TOP BEVEL (ATB) GRIND



This is an excellent and popular general purpose configuration blade. Its low tooth count, high hook angle, and ample gullets make it an aggressive, fast-cutting ripping blade. But its ATB grind allows it to crosscut well. A good choice for all-around use.

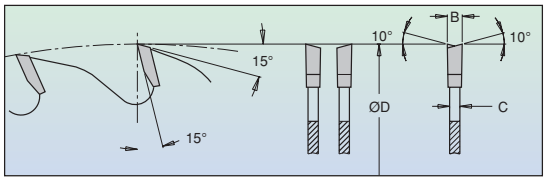


ØD					'B' Kerf	'C' Plate		
Inch	mm	Teeth	Grind	Tool No.	Inch	Inch	Bore	*P.H.
10	250	30	ATB	**610300**	.126	.087	5/8	–
10	250	30	ATB	**610300-30**	.126	.087	30mm	2/7/42 & 2/10/60
12	300	36	ATB	**612360**	.126	.087	1	–
12	300	36	ATB	**612360-30**	.126	.087	30mm	2/7/42 & 2/10/60
14	350	42	ATB	**614420**	.137	.098	1	–
14	350	42	ATB	**614420-30**	.137	.098	30mm	2/7/42 & 2/10/60
16	400	48	ATB	**616480**	.137	.098	1	–
16	400	48	ATB	**616480-30**	.137	.098	30mm	2/7/42 & 2/10/60
18	450	54	ATB	**618540**	.150	.110	1	–
20	500	60	ATB	**620600**	.173	.110	1	–

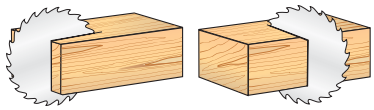
GENERAL PURPOSE CUT-OFF

220mm TO 16"

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 but increases the feed pressure required. This blade is a good choice for general purpose ripping and crosscutting of hardwoods and softwoods in a range of thicknesses, with occasional cutting of plywood and other man-made materials mixed in.



ØD					'B' Kerf	'C' Plate		
Inch	mm	Teeth	Grind	Tool No.	Inch	Inch	Bore	*P.H.
New 8	200	34	ATB	**683400**	.118	.079	5/8	–
–	220	34	ATB	**† 220T340**	.118	.079	30mm	2/7/42
New 9	230	24	ATB	**692400**	.118	.079	5/8	–
9	230	40	ATB	**694000**	.118	.079	5/8	–
10	250	40	ATB	**610400**	.126	.087	5/8	–
10	250	40	ATB	**610400-30**	.126	.087	30mm	2/7/42 & 2/10/60
12	300	48	ATB	**612480**	.126	.087	1	–
12	300	48	ATB	**612480-30**	.126	.087	30mm	2/7/42 & 2/10/60
14	350	54	ATB	**614540**	.137	.098	1	–
14	350	54	ATB	**614540-30**	.137	.098	30mm	2/7/42 & 2/10/60
16	400	60	ATB	**616600**	.137	.098	1	–
16	400	60	ATB	**616600-30**	.137	.098	30mm	2/7/42 & 2/10/60

†NOTE: For Holz-Her 220mm panel saws.

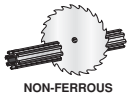
Saw Blade Symbol Keychart

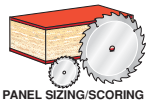
ACRYLIC & NO MELT PLASTIC

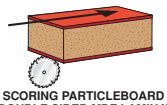
PHENOLIC & HARD PLASTIC

SOLID SURFACE

MELAMINE SINGLE & DOUBLE SIDED


NON-FERROUS ALLOYS


PANEL SIZING/SCORING

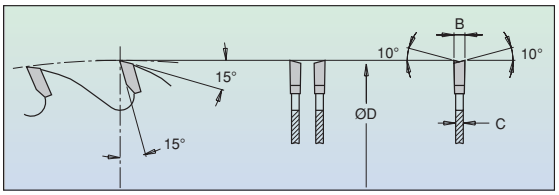

SCORING PARTICLEBOARD & DOUBLE SIDED MDF LAMINATE

Saw Blades

THIN KERF GENERAL PURPOSE

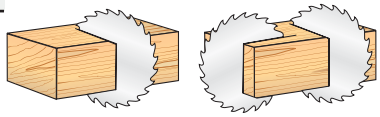
8" TO 15"

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 type of miter saws. The Amana Tool® thin-kerf general purpose blade is not recommended for cutting stock thicker than 3/4" unless stabilizer(s) are used.

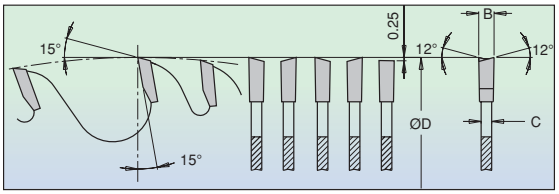
ØD Inch	ØD mm	Teeth	Grind	Tool No.	'B' Kerf Inch	'C' Plate Inch	Bore
8	200	34	ATB	**TB83400**	.090	.062	5/8
10	250	40	ATB	**TB10400**	.090	.062	5/8
12	300	48	ATB	**TB12480**	.090	.062	1
14	350	54	ATB	**TB14540**	.090	.062	1
15	375	48	ATB	**615480**	.104	.079	1



COMBINATION RIPPING & CROSSCUT

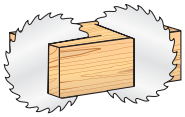
8" TO 16"

15° HOOK
COMBINATION GRIND
4 ATB & 1 RAKER



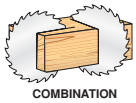
Where one blade must do almost everything — ripping and crosscutting hardwood and softwood, cutting plywood — this blade is a good choice. It is in the traditional combination-blade configuration, with a flat-top tooth and 4 alternate top bevel teeth in groupings of five. The large gullets at the raker tooth allow deep cuts with improved chip ejection.

ØD Inch	ØD mm	Teeth	Grind	Tool No.	'B' Kerf Inch	'C' Plate Inch	Bore
8	200	40	4 & 1	**684004**	.126	.087	5/8
9	230	40	4 & 1	**694004**	.126	.087	5/8
10	250	50	4 & 1	**610504**	.135	.095	5/8
12	300	60	4 & 1	**612604**	.150	.110	1
14	350	70	4 & 1	**614704**	.150	.110	1
16	400	80	4 & 1	**616804**	.158	.118	1



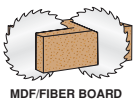
Saw Blade Symbol Keychart

SOFT/HARDWOOD RIPPING

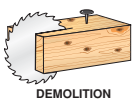

COMBINATION RIP/CROSSCUT

SOFT/HARDWOOD CROSSCUT

CABINET PLYWOOD RIP/CROSSCUT


MDF/FIBER BOARD

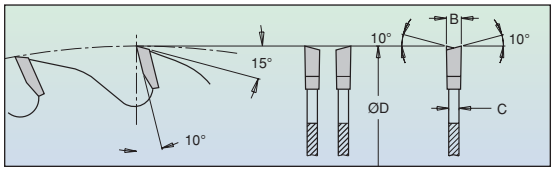
PLASTIC LAMINATE SINGLE & DOUBLE SIDED


DEMOLITION EMERGENCY

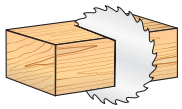
CUT-OFF & CROSSCUT

8" TO 20"

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.



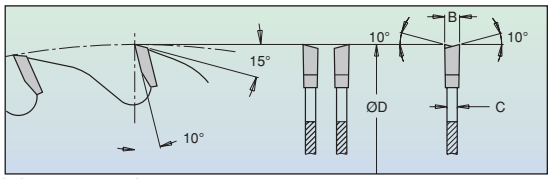
	ØD				'B' Kerf		'C' Plate		
	Inch	mm	Teeth	Grind	Inch	Tool No.	Inch	Bore	*P.H.
	8	200	48	ATB	.118	**684800**	.079	5/8	–
	9	230	60	ATB	.118	**696000**	.079	5/8	–
	10	250	60	ATB	.126	**610600**	.087	5/8	–
	10	250	60	ATB	.126	**610600-30**	.087	30mm	2/7/42 & 2/10/60
	12	300	60	ATB	.126	**612600**	.087	1	–
	12	300	60	ATB	.126	**612600-30**	.087	30mm	2/7/42 & 2/10/60
	12	300	72	ATB	.126	**612720**	.087	1	–
	12	300	72	ATB	.126	**† 612720-30**	.087	30mm	2/7/42 & 2/10/60
New	12	300	72	ATB	.126	**612720-1.25**	.087	1-1/4	–
	14	350	72	ATB	.137	**614720**	.098	1	–
	14	350	72	ATB	.137	**614720-30**	.098	30mm	2/7/42 & 2/10/60
	14	350	84	ATB	.137	**614840**	.098	1	–
	16	400	96	ATB	.137	**616960**	.098	1	–
	18	450	108	ATB	.158	**618108**	.110	1	–
	18	450	108	ATB	.158	**618108-30**	.110	30mm	2/7/42 & 2/10/60
	20	500	120	ATB	.173	**620120**	.110	1	–
	20	500	120	ATB	.173	**620120-30**	.110	30mm	2/7/42 & 2/10/60

†NOTE: For Altendorf, Omega, SCMI, and Striebig sliding table saws.

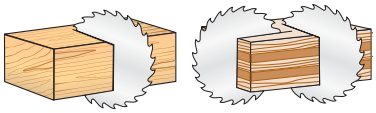
TRIM

7" TO 18"

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 bevel grind and high tooth counts produce excellent, chip-free cuts. The 10° hook angle provides effortless feeding.

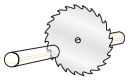


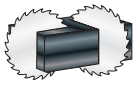
	ØD				'B' Kerf		'C' Plate		
	Inch	mm	Teeth	Grind	Inch	Tool No.	Inch	Bore	*P.H.
	7	180	58	ATB	.118	**675600**	.079	5/8	–
	8	200	64	ATB	.118	**686400**	.079	5/8	–
	—	220	64	ATB	.118	**+ 220T640**	.079	30mm	2/7/42
	10	250	80	ATB	.126	**610800**	.087	5/8	–
New	10	250	80	ATB	.126	**610800-30**	.087	30mm	2/7/42 & 2/10/60
	12	300	96	ATB	.126	**612960**	.087	1	–
	12	300	96	ATB	.126	**612960-30**	.087	30mm	2/7/42 & 2/10/60
	14	350	108	ATB	.137	**614108**	.098	1	–
	14	350	108	ATB	.137	**614108-30**	.098	30mm	2/7/42 & 2/10/60
	16	400	120	ATB	.137	**616128**	.098	1	–
	18	450	132	ATB	.157	**618132**	.110	1	–

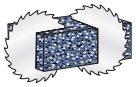
+NOTE: For Holz-Her 220mm Panel Saws.

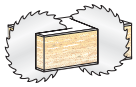
NOTE: *P.H. denotes pin-hole configuration, if applicable. Example: 2/10/60 = 2 @ 10mm dia. on 60mm circle.

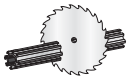
Saw Blade Symbol Keychart

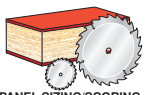

ACRYLIC & NO MELT PLASTIC

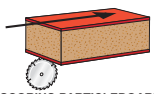

PHENOLIC & HARD PLASTIC


SOLID SURFACE


MELAMINE SINGLE & DOUBLE SIDED


NON-FERROUS ALLOYS

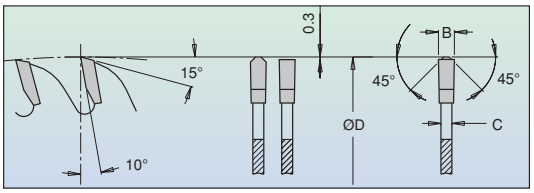

PANEL SIZING/SCORING


SCORING PARTICLEBOARD & DOUBLE SIDED MDF LAMINATE

Saw Blades

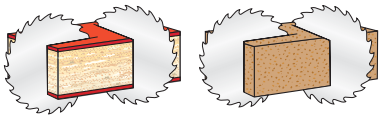
FINE CROSSCUT & CUT-OFF
8" TO 18"

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.

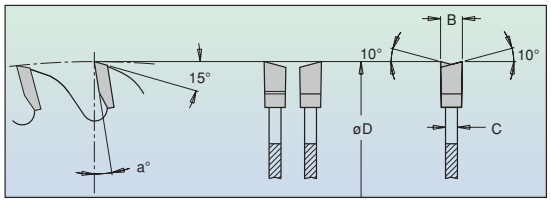
	ØD				'B' Kerf		'C' Plate		
	Inch	mm	Teeth	Grind	Inch	Tool No.	Inch	Bore	*P.H.
	8	200	64	TCG	.118	**686401**	.079	5/8	–
	8	200	64	TCG	.118	**686401-30**	.079	30mm	–
	—	220	64	TCG	.118	**† 220T641**	.079	30mm	2/7/42
	10	250	80	TCG	.126	**610801**	.087	5/8	–
	10	250	80	TCG	.126	**610801-30**	.087	30mm	2/7/42 & 2/10/60
	12	300	96	TCG	.126	**612961**	.087	1	–
	12	300	96	TCG	.126	**612961-30**	.087	30mm	2/7/42 & 2/10/60
	14	350	108	TCG	.137	**614109**	.098	1	–
New	14	350	108	TCG	.137	**614109-30**	.098	30mm	2/7/42 & 2/10/60
	16	400	120	TCG	.137	**616129**	.098	1	–
	18	450	132	TCG	.157	**618133**	.110	1	–



†NOTE: For Holz-Her 220mm Panel Saws.

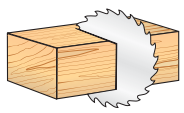
CUT-OFF & CROSSCUT HEAVY-DUTY
12" TO 16"

10° - 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.

	ØD						'B' Kerf	'C' Plate	
	Inch	mm	Teeth	Grind	Tool No.	a°	Inch	Inch	Bore
	12	300	48	ATB	**712480**	10°	.173	.098	1
	12	300	60	ATB	**712600**	15°	.173	.098	1
	12	300	96	ATB	**712960**	10°	.173	.110	1
New	14	350	54	ATB	**714540**	15°	.173	.110	1
	14	350	72	ATB	**714720**	15°	.173	.110	1
	14	350	84	ATB	**714840**	10°	.173	.110	1
	16	400	60	ATB	**716600**	18°	.173	.110	1
	16	400	80	ATB	**716800**	10°	.173	.110	1
	16	400	96	ATB	**716960**	10°	.173	.110	1



NOTE: *P.H. denotes pin-hole configuration, if applicable. Example: 2/10/60 = 2 @ 10mm dia. on 60mm circle.

Saw Blade Symbol Keychart

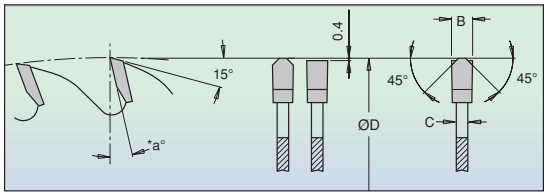
Amana Tool®

CUT-OFF & CROSSCUT HEAVY-DUTY

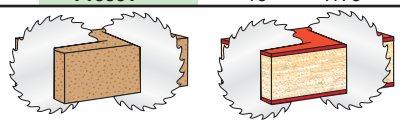
12" TO 16"

TRIPLE CHIP (TC) GRIND

Heavy-duty production blade featuring increased thickness of plate and kerf and more aggressive hook angle. For plastic laminated materials, composition board and plywood.



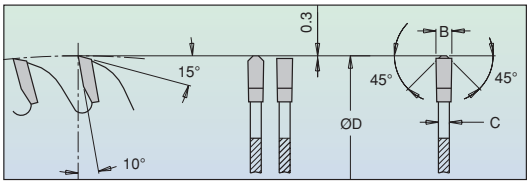
ØD Inch	ØD mm	Teeth	Grind	Tool No.	a°	'B' Kerf Inch	'C' Plate Inch	Bore
12	300	60	TCG	**712601**	15°	.173	.095	1
12	300	96	TCG	**712961**	10°	.173	.098	1
New 14	350	54	TCG	**714541**	15°	.173	.110	1
14	350	72	TCG	**714721**	15°	.173	.110	1
14	350	84	TCG	**714841**	10°	.173	.110	1
16	400	60	TCG	**716601**	10°	.173	.118	1
16	400	80	TCG	**716801**	10°	.173	.118	1
16	400	96	TCG	**716961**	18°	.173	.118	1



GENERAL PURPOSE CUT-OFF

8" TO 20"

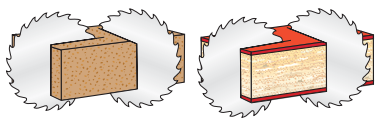
10° HOOK • TRIPLE CHIP (TC) GRIND



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.

*15° Hook Angle (Tool # 694001 Only)

ØD Inch	ØD mm	Teeth	Grind	'B' Kerf Inch	Tool No.	'C' Plate Inch	Bore	*P.H.
8	200	48	TCG	.118	**684801**	.079	5/8	–
New 9	230	40	TCG	.118	* **694001**	.079	5/8	–
9	230	60	TCG	.118	**696001**	.079	5/8	–
10	250	40	TCG	.126	**610401**	.087	5/8	–
10	250	40	TCG	.126	**610401-30**	.087	30mm	2/7/42 & 2/10/60
10	250	60	TCG	.126	**610601**	.087	5/8	–
10	250	60	TCG	.126	**610601-30**	.087	30mm	2/7/42 & 2/10/60
12	300	60	TCG	.126	**612601**	.087	1	–
12	300	60	TCG	.126	**612601-30**	.087	30mm	2/7/42 & 2/10/60
12	300	72	TCG	.126	**612721**	.087	1	–
12	300	72	TCG	.126	† **612721-30**	.087	30mm	2/7/42 & 2/10/60
12	300	72	TCG	.126	+ **612721-1.25**	.087	1-1/4	–
14	350	54	TCG	.137	**614541**	.106	1	–
14	350	72	TCG	.137	**614721**	.098	1	–
14	350	72	TCG	.137	**614721-30**	.098	30mm	2/7/42 & 2/10/60
14	350	84	TCG	.137	**614841**	.098	1	–
16	400	96	TCG	.137	**616961**	.098	1	–
18	450	108	TCG	.158	**618109**	.110	1	–
18	450	108	TCG	.158	**618109-30**	.110	30mm	2/7/42 & 2/10/60
20	500	120	TCG	.173	**620121**	.110	1	–



†NOTE: For Altendorf, Omega, SCMI, and Striebig sliding table saws. **+NOTE:** For Martin sliding table saws.
NOTE: *P.H. denotes pin-hole configuration, if applicable. Example: 2/10/60 = 2 @ 10mm dia. on 60mm circle.

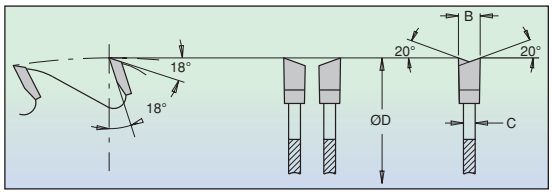
Saw Blade Symbol Keychart

Saw Blades

PRESTIGE™
10" TO 12"

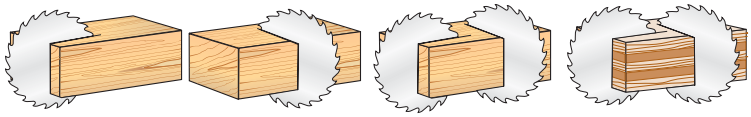
18° HOOK
ALTERNATE TOP BEVEL (ATB) GRIND

PRESTIGE™ Rated "EXCELLENT" for
- ✓ Ripping solid wood
- ✓ Crosscutting solid wood
- ✓ Ripping plywood
- ✓ Crosscutting plywood



Amana Tool's® PRESTIGE™ general-purpose blade cuts smoother and stays sharper longer—in both solid wood and man-made materials. 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 D-10 carbide teeth are individually computer-verified to have minimal runout.

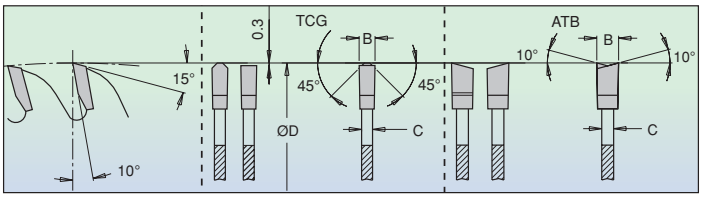
ØD Inch	ØD mm	Teeth	Grind	Tool No.	'B' Kerf Inch	'C' Plate Inch	Bore
10	250	40	ATB	**PR1040**	.134	.102	5/8
12	300	40	ATB	**PR1240**	.134	.102	1



- Massive (.102" thick!) tool-steel plate with copper plugs practically eliminates vibration.
- Precision-ground D-10 carbide teeth (20˚ ATB, 18˚ hook) are individually computer-verified for runout of less than 1/10,000" on all axis.

THIN KERF TRIM
8" TO 14"

10° HOOK
ATB OR TC GRIND



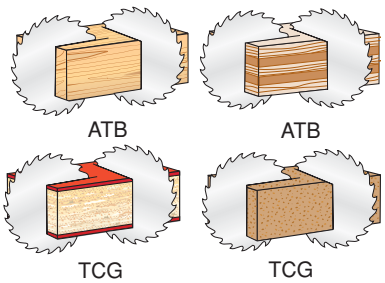
Thin-kerf blades require less power because they have thinner plates and narrower tips. This trim blade is ideal for jobsite table saws and the various miter saws for that reason. Available in either alternate top bevel grind for cutting hardwood, softwood and plywood, or triple-chip grind for chipboard and laminate-covered material. The TC grind is also suitable for cutting thin Plexiglas®, masonite, and plastics. Use of stabilizers is recommended when cutting stock over 3/4" thick.

ALTERNATE TOP BEVEL (ATB) GRIND

ØD Inch	ØD mm	Teeth	Grind	Tool No.	'B' Kerf Inch	'C' Plate Inch	Bore
8	200	64	ATB	**TB86400**	.090	.062	5/8
10	250	80	ATB	**TB10800**	.090	.062	5/8
10	250	100	ATB	**TB10100**	.090	.062	5/8
12	300	96	ATB	**TB12960**	.090	.062	1
14	350	108	ATB	**TB14108**	.090	.062	1

TRIPLE CHIP (TC) GRIND

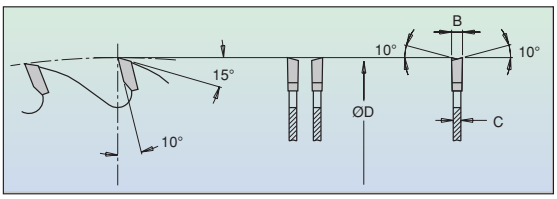
ØD Inch	ØD mm	Teeth	Grind	Tool No.	'B' Kerf Inch	'C' Plate Inch	Bore
8	200	64	TCG	**TB86401**	.090	.062	5/8
10	250	80	TCG	**TB10801**	.090	.062	5/8
10	250	100	TCG	**TB10101**	.090	.062	5/8
12	300	96	TCG	**TB12961**	.090	.062	1
14	350	108	TCG	**TB14109**	.090	.062	1



Saw Blade Symbol Keychart

Amana Tool®

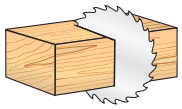
THIN KERF MITER
10" TO 15"
10° HOOK • ATB



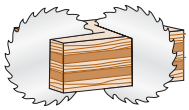
Thin kerf blades are designed for miter smooth cuts; less drag on bearings and brake and reduces stock loss on expensive woods and veneer plywoods. Not recommended to cut stock over 3/4" without the use of a stabilizer. TCG grind can also be used for cutting thin Plexiglas®, masonite and plastics.

ALTERNATE TOP BEVEL (ATB) GRIND

ØD Inch	ØD mm	Teeth	Grind	Tool No.	'B' Kerf Inch	'C' Plate Inch	Bore
10	250	80	ATB	**610800-TS**	.090	.062	5/8
12	300	96	ATB	**612960-TS**	.090	.062	1
14	350	108	ATB	**614108-TS**	.090	.062	1
15	375	100	ATB	**615100-TS**	.104	.079	1

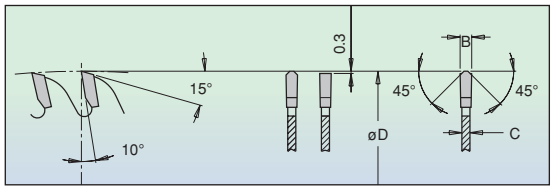


ATB



ATB

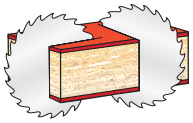
THIN KERF MITER
10"
10° HOOK • TC GRIND



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.

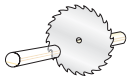
TRIPLE CHIP (TC) GRIND

ØD Inch	ØD mm	Teeth	Grind	Tool No.	'B' Kerf Inch	'C' Plate Inch	Bore
10	250	80	TCG	**610801-TS**	.090	.062	5/8

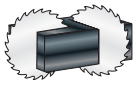


TCG

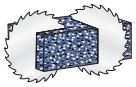
Saw Blade Symbol Keychart



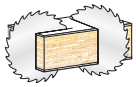
ACRYLIC & NO MELT PLASTIC



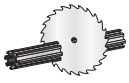
PHENOLIC & HARD PLASTIC



SOLID SURFACE

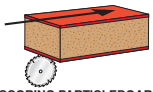


MELAMINE SINGLE & DOUBLE SIDED



NON-FERROUS ALLOYS

PANEL SIZING/SCORING



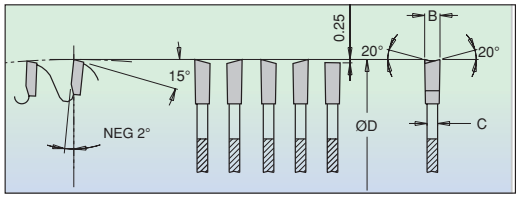
SCORING PARTICLEBOARD & DOUBLE SIDED MDF LAMINATE

Saw Blades

MITER/DOUBLE MITER

8-1/2" TO 15"

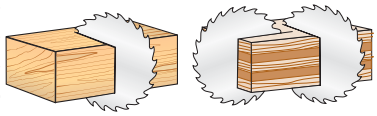
2° NEGATIVE HOOK
4 ATB & 1 RAKER



Designed especially for use on the 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.

*ØD Inch	Teeth	Grind	'B' Kerf Inch	Tool No.	'C' Plate Inch	Bore	Machine Type
8-1/2	48	4&1	.110	**MS85480**	.071	5/8	Hitachi
10	60	4&1	.115	**MS10600**	.087	5/8	All Types
10	80	4&1	.115	**MS10800**	.087	5/8	Makita, Ryobi, Craftsman®
12	100	4&1	.134	**MS12100-5/8**	.110	5/8	Pistorius, CTD, Brevetti
12	80	4&1	.122	**MS12800-5/8**	.110	5/8	Pistorius, CTD, Brevetti
12	80	4&1	.122	**MS12800**	.110	1	Dewalt, Hitachii
14	100	4&1	.150	**MS14100-5/8**	.118	5/8	Pistorius, CTD, Brevetti
14	100	4&1	.150	**MS14100**	.118	1	Makita
15	100	4&1	.118	**MS15100**	.098	1	Hitachi

*True "Imperial" Sizes.

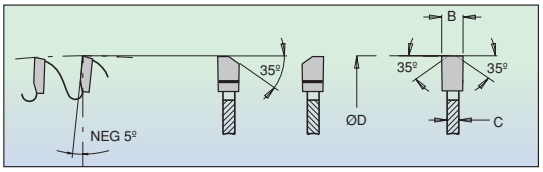


ATB ATB

MITER/DOUBLE MITER

10" TO 12"

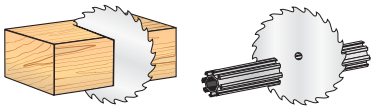
5° NEGATIVE HOOK
CALIFORNIA TRIPLE CHIP (C-TC) GRIND



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, 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.

*ØD Inch	Teeth	Grind	'B' Kerf Inch	Tool No.	'C' Plate Inch	Bore	Machine Type
10	96	C-TCG	.125	**CTC10963**	.100	5/8	Pistorius, CTD, Brevetti
12	90	C-TCG	.135	**CTC12903-5/8**	.110	5/8	Pistorius, CTD, Brevetti
12	108	C-TCG	.135	**CTC12108-5/8**	.110	5/8	Pistorius, CTD, Brevetti
12	108	C-TCG	.135	**CTC12108**	.110	1	Pistorius, CTD, Brevetti

*True "Imperial" Sizes.

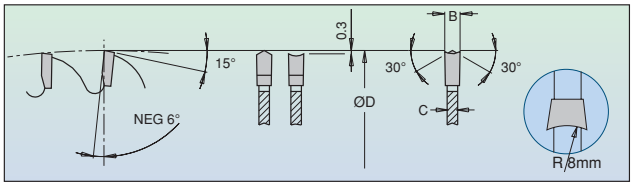


WARNING: NEVER attempt to cut ferrous metals (steel, iron, etc.) with these saw blades. When cutting non-ferrous metals, a coolant or blade wax should be used and proper clamping devices employed.

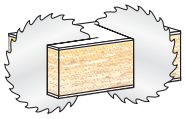
Saw Blade Symbol Keychart

Amana Tool®

HOLLOW GROUND
220mm TO 14"
6° NEGATIVE • HOOK HOLLOW GRIND (HG)



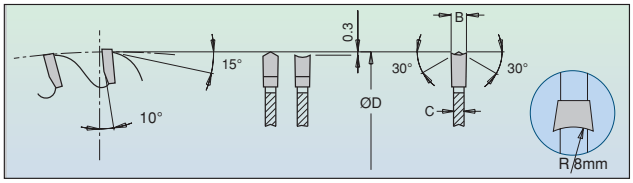
This specially designed saw blade makes exceptionally smooth cuts in melamine and other coated boards, without the need for scoring. The unique hollow grind, which pairs a triple-chip tooth with a raker tooth that's ground to a concave profile, produces crisp, clean cuts. The grind is commonly used in **vertical panel saws**, such as those made by Striebig and Holz-Her. The negative hook angle is particularly suitable for vertical panel saws.



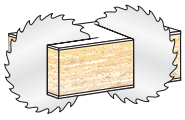
ØD Inch	ØD mm	Teeth	Grind	'B' Kerf Inch	'C' Plate Inch	Tool No.	Bore	*P.H.	Machines
–	220	42	HG	.126	.087	† HG220T420	30mm	2/7/42	Holz-Her
10	253	48	HG	.126	.087	HG10480	5/8	–	
10	253	48	HG	.126	.087	HG10480-30	30mm	2/7/42 & 2/10/60	Holz-Her
12	303	60	HG	.126	.087	HG12600	1	–	
12	305	60	HG	.126	.087	HG12600-5/8	5/8	–	Pistorius
12	303	60	HG	.126	.087	HG12600-30	30mm	2/7/42 & 2/10/60	Holz-Her
14	350	72	HG	.126	.087	HG14720-30	30mm	2/7/42 & 2/10/60	

†NOTE: For Holz-Her 220mm panel saws.

HOLLOW GROUND
220mm TO 12"
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.



ØD Inch	ØD mm	Teeth	Grind	'B' Kerf Inch	Tool No.	'C' Plate Inch	Bore	*P.H.
–	220	42	HG	.126	† HG220T403	.087	30mm	2/7/42
10	253	48	HG	.126	HG10483-30	.087	30mm	2/7/42 & 2/10/60
12	303	60	HG	.126	HG12603-30	.087	30mm	2/7/42 & 2/10/60

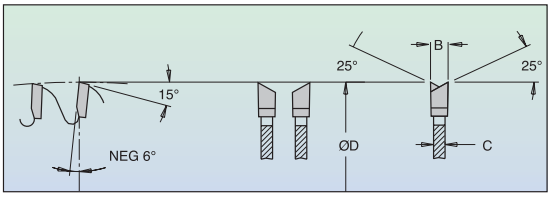
†NOTE: For Holz-Her 220mm panel saws.

NOTE: *P.H. denotes pin-hole configuration, if applicable. Example: 2/10/60 = 2 @ 10mm dia. on 60mm circle.

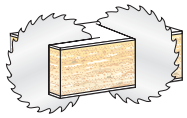
Saw Blades

DOUBLE-FACE MELAMINE & LAMINATE
8" TO 16"

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.



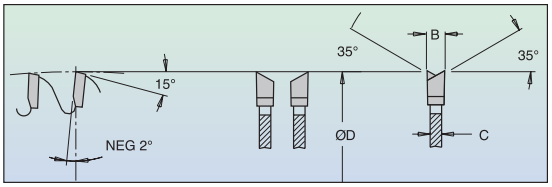
ØD Inch	ØD mm	Teeth	Grind	Tool No.	'B' Kerf Inch	'C' Plate Inch	Bore	*P.H.
8	200	64	H-ATB	**MB86400**	.110	.087	5/8	–
–	220	42	H-ATB	**†MB220T420**	.110	.087	30mm	2/7/42
10	250	80	H-ATB	**MB10800**	.126	.102	5/8	–
10	250	80	H-ATB	**MB10800-30**	.126	.102	30mm	2/7/42 & 2/10/60
12	300	96	H-ATB	**MB12960**	.126	.102	1	–
12	300	96	H-ATB	**MB12960-30**	.126	.102	30mm	2/7/42 & 2/10/60
14	350	108	H-ATB	**MB14108**	.126	.102	1	–
14	350	108	H-ATB	**MB14108-30**	.126	.102	30mm	2/7/42 & 2/10/60
16	400	120	H-ATB	**MB16120**	.150	.126	1	–

NOTE: The 8" blade can be used on vertical type panel saws, such as 'Safety Speed Cut', etc.

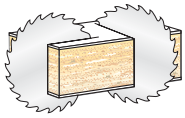
†For 220mm Holz-Her Panel Saws.

DOUBLE-FACE MELAMINE, KORTON & VENEERS
10" TO 12"

2° NEGATIVE HOOK
35° 'HIGH-ATB' GRIND



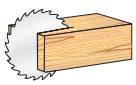
This blade is similar to the one above, alterations to the geometry and plate thickness provide improved results in certain melamine boards. The bevel angle of the ATB grind is far more acute (35°), and the plate is thinner than our standard melamine blades.

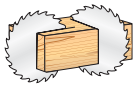


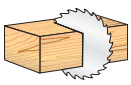
ØD Inch	ØD mm	Teeth	Grind	Tool No.	'B' Kerf Inch	'C' Plate Inch	Bore	*P.H.
10	250	80	H-ATB	**MSB1080**	.118	.087	5/8	–
10	250	80	H-ATB	**MSB1080-30**	.118	.087	30mm	2/7/42 & 2/10/60
12	300	96	H-ATB	**MSB1296**	.118	.087	1	–
12	300	96	H-ATB	**MSB1296-30**	.118	.087	30mm	2/7/42 & 2/10/60

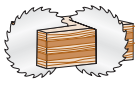
NOTE: *P.H. denotes pin-hole configuration, if applicable. Example: 2/10/60 = 2 @ 10mm dia. on 60mm circle.

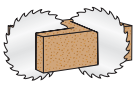
Saw Blade Symbol Keychart


SOFT/HARDWOOD RIPPING

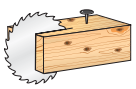

COMBINATION RIP/CROSSCUT


SOFT/HARDWOOD CROSSCUT


CABINET PLYWOOD RIP/CROSSCUT


MDF/FIBER BOARD

PLASTIC LAMINATE SINGLE & DOUBLE SIDED

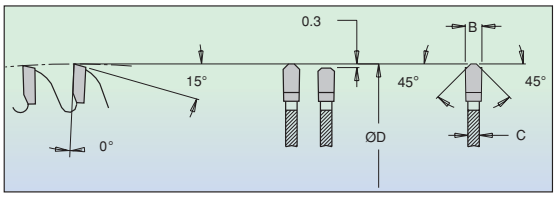

DEMOLITION EMERGENCY

Amana Tool®

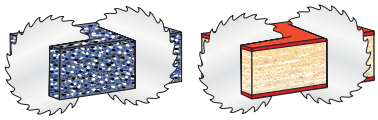
SOLID SURFACE

10" TO 16"

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. Its 0° hook angle virtually eliminates self-feeding when it is used with a radial arm saw.

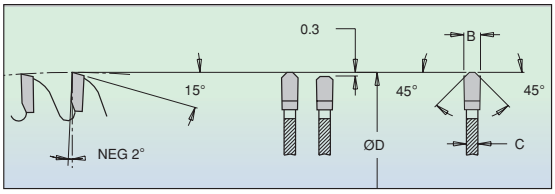


ØD Inch	ØD mm	Teeth	Grind	Tool No.	'B' Kerf Inch	'C' Plate Inch	Bore	*P.H.
10	250	72	MTC	**610721**	.126	.095	5/8	–
10	250	72	MTC	**610721-30**	.126	.095	30mm	2/7/42 & 2/10/60
12	300	84	MTC	**612841**	.126	.095	1	–
12	300	84	MTC	**612841-30**	.126	.095	30mm	2/7/42 & 2/10/60
14	350	96	MTC	**614961**	.126	.102	1	–
16	400	108	MTC	**616109**	.126	.102	1	–

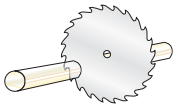
NON-MELT

8" TO 16"

2° NEGATIVE HOOK
MODIFIED TRIPLE CHIP (MTC) GRIND



When cutting acrylics such as Plexiglas®, polycarbonates such as Lexan® and other plastics, "chip-welding"—a melting of the material—is a concern. But not with the Non-Melt blade. With a modified triple-chip grind and a 2° negative hook angle, the blade produces less heat than a standard blade, leaving a crisp, smooth edge.

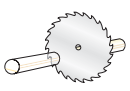


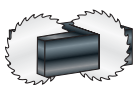
ØD Inch	ØD mm	Teeth	Grind	Tool No.	'B' Kerf Inch	'C' Plate Inch	Bore	*P.H.
8	200	64	MTC	**LB86401**	.098	.070	5/8	–
–	220	64	MTC	**†LB220T641**	.126	.079	30mm	2/7/42
10	250	80	MTC	**LB10801**	.100	.070	5/8	–
10	250	80	MTC	**LB10801-30**	.100	.070	30mm	2/7/42 & 2/10/60
12	300	96	MTC	**LB12961**	.125	.102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

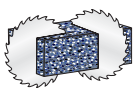
†NOTE: For Holz-Her 220mm panel saws.

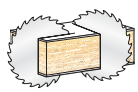
NOTE: *P.H. denotes pin-hole configuration, if applicable. Example: 2/10/60 = 2 @ 10mm dia. on 60mm circle.

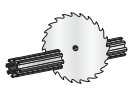
Saw Blade Symbol Keychart


ACRYLIC & NO MELT PLASTIC

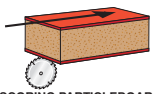

PHENOLIC & HARD PLASTIC


SOLID SURFACE


MELAMINE SINGLE & DOUBLE SIDED


NON-FERROUS ALLOYS

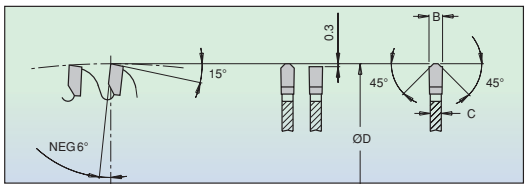
PANEL SIZING/SCORING


SCORING PARTICLEBOARD & DOUBLE SIDED MDF LAMINATE

Saw Blades

NON-FERROUS METAL
8" TO 18"

6° NEGATIVE HOOK
TRIPLE CHIP (TC) GRIND



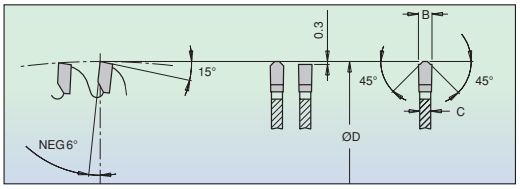
Thanks to its special carbide formulation and blade geometry, this is the ideal blade for cutting relatively **thick-walled** aluminum and non-ferrous metal bars such as copper, brass, bronze and lead. It also is good for cutting extrusions and profiles. The negative hook angle (-6°), triple-chip grind and thick plate combine to produce a superior finish. Use a coolant or blade wax and clamp down the workpiece when cutting non-ferrous metals. The blade can also be used to cut other "difficult" materials such as plastic, PVC tubing and fiberglass.

WARNING: NEVER attempt to cut ferrous metals (steel, iron, etc.) with these saw blades.

ØD Inch	ØD mm	Teeth	Grind	Tool No.	'B' Kerf Inch	'C' Plate Inch	Bore	*P.H.
8	200	48	TCG	**584801**	.110	.087	5/8	–
10	250	60	TCG	**510601**	.126	.102	5/8	–
10	250	60	TCG	**510601-30**	.126	.102	30mm	2/7/42 & 2/10/60
12	300	72	TCG	**512721**	.126	.102	1	–
12	300	72	TCG	**512721-30**	.126	.102	30mm	2/7/42 & 2/10/60
14	350	84	TCG	**514841**	.126	.102	1	–
16	400	96	TCG	**516961**	.150	.126	1	–
18	450	108	TCG	**518108**	.157	.134	1	–

NON-FERROUS METAL
7" TO 20"

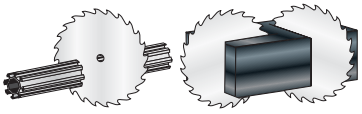
6° NEGATIVE HOOK
TRIPLE CHIP (TC) GRIND



A product of the same design & engineering as the previous blade, this one is specifically for cutting relatively **thin-walled** aluminum and non-ferrous extrusions and frames. Use a coolant or blade wax and clamp down the workpiece when cutting non-ferrous metals.

WARNING: NEVER attempt to cut ferrous metals (steel, iron, etc.) with these saw blades.

ØD Inch	ØD mm	Teeth	Grind	Tool No.	'B' Kerf Inch	'C' Plate Inch	Bore	*P.H.	Machines
7	180	58	TCG	**575601**	.110	.087	5/8	–	
8	200	64	TCG	**586401**	.110	.087	5/8	–	
9	230	60	TCG	**596001**	.110	.087	5/8	–	
10	250	80	TCG	**510801**	.126	.102	5/8	–	
10	250	100	TCG	**510101**	.126	.102	5/8	–	
10	250	100	TCG	**510101-HD**	.134	.110	5/8	–	Pistorious
10	250	80	TCG	**510801-30**	.126	.102	30mm	2/7/42 & 2/10/60	
12	300	96	TCG	**512961-30**	.126	.102	30mm	2/7/42 & 2/10/60	
12	300	96	TCG	**512961**	.126	.102	1	–	
14	350	100	TCG	**514101-5/8HD**	.146	.118	5/8	–	Pistorious
14	350	100	TCG	† **514101-25**	.122	.098	25mm	–	Makita
14	350	108	TCG	**514108**	.126	.102	1	–	
14	350	108	TCG	**514108-30**	.126	.102	30mm	2/7/42 & 2/10/60	
15	375	100	TCG	* **515101**	.120	.098	1	–	Hitachi
16	400	120	TCG	**516121**	.150	.126	1	–	
18	450	120	TCG	**518121**	.150	.126	1	–	
20	500	120	TCG	**520121**	.174	.134	1	–	
20	500	120	TCG	**520121-30**	.174	.152	30mm	2/7/42 & 2/10/60	



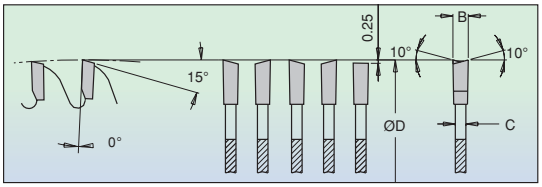
*For Hitachi Miter box (Thin Kerf).
†For Makita Miter box. **NOTE:** P.H. denotes pin-hole configuration, if applicable. Example: 2/10/60 = 2 @ 10mm dia. on 60mm circle.

Saw Blade Symbol Keychart

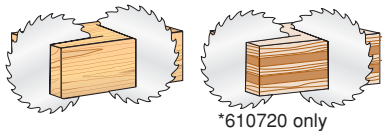
Amana Tool®

RADIAL ARM
10" TO 16"

0° HOOK
– 4 ATB & 1 RAKER
– ATB



Designed especially for radial arm saws, sliding compound miter saws and others with the blade above the workpiece. This blade minimizes the blade's tendency to self-feed. The blade features 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.

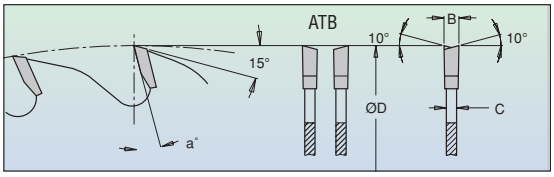


*610720 only

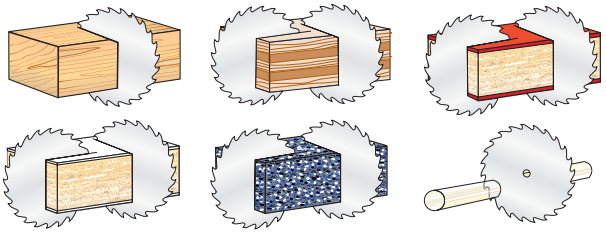
ØD Inch	ØD mm	Teeth	Grind	Tool No.	'B' Kerf Inch	'C' Plate Inch	Bore	*P.H.
10	250	24	ATB	**RA1024**	.134	.095	5/8	–
10	250	72	ATB	***610720**	.126	.095	5/8	–
12	300	36	ATB	**RA1236**	.150	.110	1	–
12	300	36	ATB	**RA1236-30**	.150	.110	30mm	2/7/42 & 2/10/60
14	350	40	4&1	**RA1440**	.165	.110	1	–
14	350	42	ATB	**RA1442**	.165	.110	1	–
16	400	40	4&1	**RA1640**	.165	.118	1	–
16	400	48	ATB	**RA1648**	.165	.118	1	–

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. See table below.



See table below for grind & hook angle.

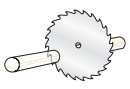


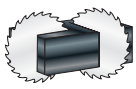
ØD Inch	ØD mm	Teeth	Grind	a°	'B' Kerf Inch	'C' Plate Inch	Tool No.	Bore	*P.H.	Application
-	220	34	ATB	10°	.118	.079	**220T340**	30mm	2/7/42	General purpose
-	220	64	ATB	10°	.118	.079	**220T640**	30mm	2/7/42	Crosscut wood
-	220	64	TCG	10°	.118	.079	**220T641**	30mm	2/7/42	Laminate/MDF
-	220	64	TCG	-2°	.126	.079	**LB220T641**	30mm	2/7/42	Plastic No Melt
-	220	42	HG	-6°	.126	.087	**HG220T420**	30mm	2/7/42	Melamine
-	220	42	H-ATB	-6°	.110	.087	**MB220T420**	30mm	2/7/42	Melamine
New -	220	48	TCG	10°	.118	.078	**220T481**	30mm	2/7/42	Laminate/MDF
-	220	64	H-ATB	0°	.126	.079	**†DT220T640**	30mm	2/7/42	DITEC™ Melamine
-	220	64	TCG	10°	.126	.079	**†DT220T641**	30mm	2/7/42	DITEC™ Laminate/MDF
-	220	64	TCG	0°	.126	.079	**†DT220T643**	30mm	2/7/42	DITEC™ Solid surface

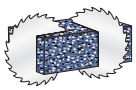
†Denotes high-performance DITEC™ carbide.

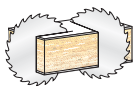
NOTE: *P.H. denotes pin-hole configuration, if applicable. Example: 2/10/60 = 2 @ 10mm dia. on 60mm circle.

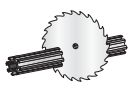
Saw Blade Symbol Keychart


ACRYLIC & NO MELT PLASTIC

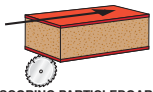

PHENOLIC & HARD PLASTIC


SOLID SURFACE


MELAMINE SINGLE & DOUBLE SIDED


NON-FERROUS ALLOYS

PANEL SIZING/SCORING


SCORING PARTICLEBOARD & DOUBLE SIDED MDF LAMINATE

Saw Blades

DITEC™ SAW BLADES

- ✔ **Exclusive DITEC™ carbide tips**
- ✔ **Higher reliability and lower maintenance**
- ✔ **At least twice the output of conventional C-4 grade carbide**
- ✔ **Low noise level**
- ✔ **New laser cut saw bodies**
- ✔ **Excellent cutting quality**
- ✔ **Economically priced**

Resistance to abrasion is the single most important characteristic of the tungsten carbide used for saw teeth. The newly developed DITEC™ carbide has greater hardness, with no loss of toughness, than any previous formulation.

Using this carbide, Amana Tool® has produced a line of saw blades and other cutters that last two or three times longer than standard carbide formulations. In extensive testing, productivity increases ranging as high as 500% were recorded. The random tests were performed by outside firms running panel saws 2 or 3 shifts per day.

Exceptionally sharp edges are ground and honed on the carbide tips with 400 and 600 grit diamond wheels. The surface quality of the saw teeth is second to none.

The saw bodies are precision-cut using innovative laser technology. Each blade features expansion slots for great stability and low noise levels.

Every saw blade is analyzed by an innovative and sophisticated computerized system to ensure faultless quality control. Runout tolerances are maintained at .002" or less.

Instructions for grinding:

• For maintenance grinding, use fine grit (D400-D600) diamond wheels. To match the factory grind, use a slower than normal feed rate.

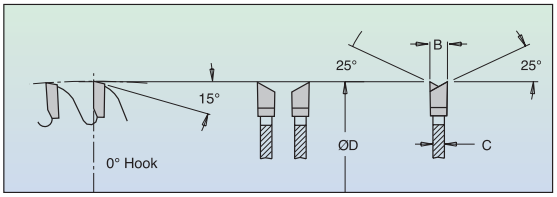
• Damaged teeth can be replaced by any grade of carbide tooth. Replacing of a large number of teeth will, of course, shorten the life of the saw blade.

• Since the carbide in the DITEC™ is harder than other carbides, it is critical that you protect them from "thermal shock" if an adjacent tooth is replaced. Heat absorbed during the brazing process will seriously degrade the DITEC™ carbide.

MELAMINE DITEC™

220MM TO 12"

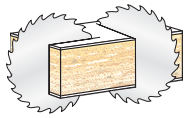
0° HOOK
'HIGH-ATB' GRIND



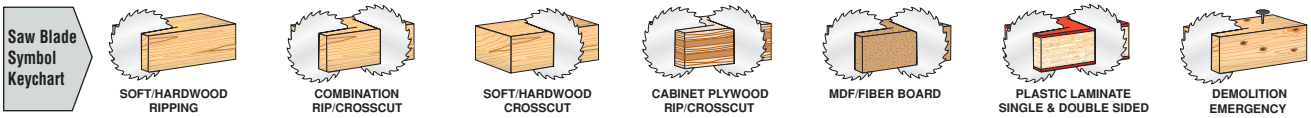
If you cut melamine on a regular basis, this is the blade you should use. It has the same features as our regular melamine blades—the MB series and MSB series (see page 194) — such as a thicker than standard plate, high tooth count, and the H-ATB grind. But this blade has long-lasting DITEC™ carbide tips.

	ØD					'B' Kerf	'C' Plate		
	Inch	mm	Teeth	Grind	Tool No.	Inch	Inch	Bore	*P.H.
	—	220	64	H-ATB	† DT220T640	.126	.079	30mm	2/7/42
	10	250	72	H-ATB	DT10720	.126	.102	5/8	—
New	10	250	72	H-ATB	DT10720-30	.126	.102	30mm	2/7/42 & 2/10/60
	12	300	84	H-ATB	DT12840	.126	.102	1	—
	12	300	84	H-ATB	DT12840-30	.126	.102	30mm	2/7/42 & 2/10/60

†For Holz-Her 220mm panel saws.



NOTE: *P.H. denotes pin-hole configuration, if applicable. Example: 2/10/60 = 2 @ 10mm dia. on 60mm circle.

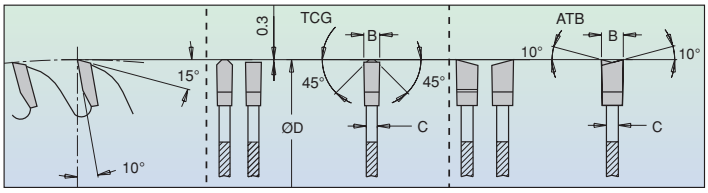


Amana Tool®

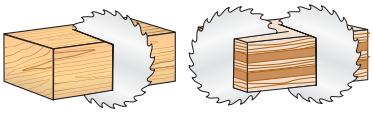
SLIDING TABLE DITEC™

12" TO 14"

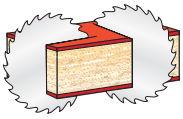
10° HOOK • ATB OR TC GRIND



This high-performance crosscutting blade is designed primarily for use in sliding table saws, such as **Striebig**, Altendorf, SCMI & Delta models. It is suitable for use in regular table saws & radial arm 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. Not least are the long-lasting, super-sharp DITEC™ carbide tips. Choose the ATB grind for solid wood or plywood, the TC grind for MDF, OSB, HDF & single or double-sided melamine & plastic laminated panels.



ATB ATB



TCG

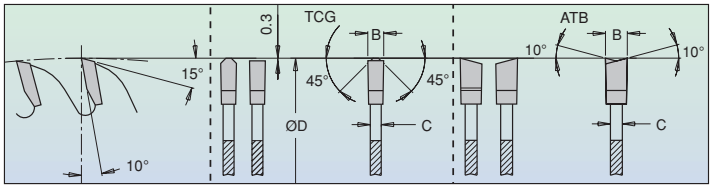
Inch	ØD mm	Teeth	Grind	Tool No.	'B' Kerf Inch	'C' Plate Inch	Bore	*P.H.
12	300	72	ATB	**DT12720**	.126	.087	1	–
12	300	72	ATB	***DT12720-30**	.126	.087	30mm	2/7/42 & 2/10/60
12	300	72	TCG	**DT12721**	.126	.087	1	–
12	300	72	TCG	***DT12721-30**	.126	.087	30mm	2/7/42 & 2/10/60
12	300	96	ATB	**DT12960**	.126	.087	1	–
12	300	96	ATB	***DT12960-30**	.126	.087	30mm	2/7/42 & 2/10/60
12	300	96	TCG	**DT12961**	.126	.087	1	–
12	300	96	TCG	***DT12961-30**	.126	.087	30mm	2/7/42 & 2/10/60
14	350	84	ATB	**DT14840**	.137	.098	1	–
14	350	84	ATB	**DT14840-30**	.137	.098	30mm	2/7/42 & 2/10/60
14	350	84	TCG	**DT14841**	.137	.098	1	–
14	350	84	TCG	**DT14841-30**	.137	.098	30mm	2/7/42 & 2/10/60
14	350	108	ATB	**DT14108**	.137	.098	1	–
14	350	108	ATB	**DT14108-1.25**	.137	.098	1-1/4	–
14	350	108	ATB	**DT14108-30**	.137	.098	30mm	2/7/42 & 2/10/60
14	350	108	TCG	**DT14109**	.137	.098	1	–
14	350	108	TCG	**DT14109-30**	.137	.098	30mm	2/7/42 & 2/10/60

*Fits Striebig vertical panel saw.

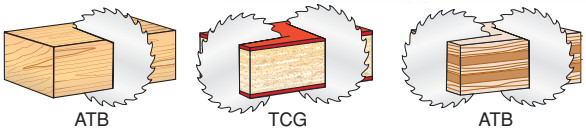
CUT-OFF & TRIM DITEC™

10"

10° HOOK • ATB OR TC GRIND



This series of 10-inch cut-off and trim blades has the same features as our regular cut-off and trim blades, including high tooth count, 10° hook angle and 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. These blades are suitable for table saws, radial arm saws and all miter saws.

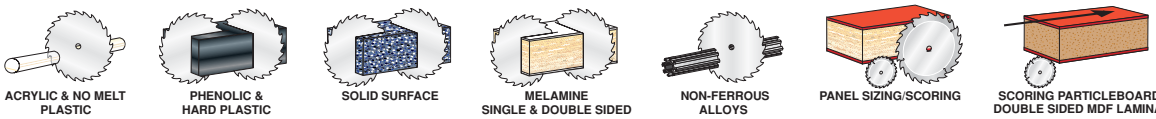


ATB TCG ATB

Inch	ØD mm	Teeth	Grind	Tool No.	'B' Kerf Inch	'C' Plate Inch	Bore	*P.H.
10	250	60	ATB	**DT10600**	.126	.087	5/8	–
10	250	60	ATB	**DT10600-30**	.126	.087	30mm	2/7/42 & 2/10/60
10	250	60	TCG	**DT10601**	.126	.087	5/8	–
10	250	80	ATB	**DT10800**	.126	.087	5/8	–
10	250	80	TCG	**DT10801**	.126	.087	5/8	–
10	250	80	TCG	**DT10801-30**	.126	.087	30mm	2/7/42 & 2/10/60

NOTE: *P.H. denotes pin-hole configuration, if applicable.
Example: 2/10/60 = 2 @ 10mm dia. on 60mm circle.

Saw Blade Symbol Keychart



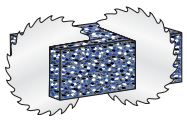
ACRYLIC & NO MELT PLASTIC | PHENOLIC & HARD PLASTIC | SOLID SURFACE | MELAMINE SINGLE & DOUBLE SIDED | NON-FERROUS ALLOYS | PANEL SIZING/SCORING | SCORING PARTICLEBOARD & DOUBLE SIDED MDF LAMINATE

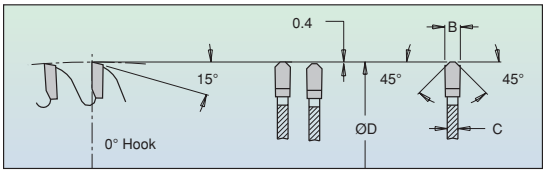
Saw Blades

SOLID SURFACE DITEC™

8" TO 12"

0° HOOK
SPECIAL TC-22 MODIFIED GRIND





This blade is designed for cutting plastic laminate, Plexiglas®, and solid surface materials such as Dupont Corian®, Wilsonart®, Gibraltar® & 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 it is used with a radial arm saw.

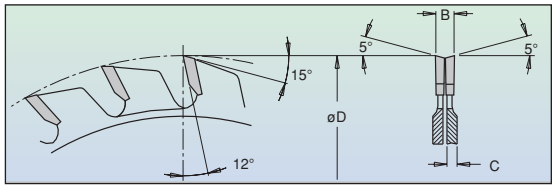
ØD Inch	ØD mm	Teeth	Grind	Tool No.	'B' Kerf Inch	'C' Plate Inch	Bore	*P.H.
8	200	64	S-TCG	**DT86401**	.126	.102	5/8	–
–	220	64	S-TCG	**†DT220T643**	.126	.102	30mm	2/7/42
10	250	72	S-TCG	**DT10721**	.126	.102	5/8	–
12	300	84	S-TCG	**DT12841**	.126	.102	1	–
12	300	84	S-TCG	**DT12841-30**	.126	.102	30mm	2/7/42, 2/10/60

†For Holz-Her 220mm panel saws.

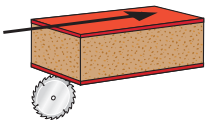
ADJUSTABLE TYPE SCORING SETS DITEC™

100mm-120mm

12° HOOK
ALTERNATE TOP BEVEL (ATB) GRIND



Used on panel saws or sliding table saws with separate scoring units for chip-free cuts on both sides of the material. Adjustable scoring sets consist of two 12-tooth saw blades with shims to adjust the kerf width (2.8mm to 3.6mm). Used in combination with our industrial saw blades with standard kerf (example #612721, #DT12721, etc.).



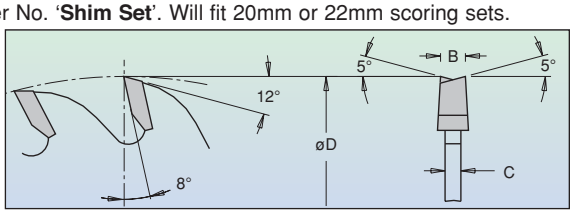
ØD	Teeth	Grind	'B' Kerf Range	Tool No.	'C' Plate	Bore	Machine Application
100mm	12 x 2	ATB	2.8 - 3.6mm	**DT100T14**	2.0mm(x2)	22mm	Altendorf, Delta, Martin
120mm	12 x 2	ATB	2.8 - 3.6mm	**DT120T14**	2.0mm(x2)	22mm	Altendorf, Martin, Mrozek
120mm	12 x 2	ATB	2.8 - 3.6mm	**DT120T14-20**	2.0mm(x2)	20mm	Altendorf, Martin, Mrozek

NOTE: Adjustable scoring sets with **22mm** bore can converted to either **3/4" bore** by ordering two each **#BU-130** bushings, or to **20mm** bore by ordering two each **#BU-140** bushings.
Replacement 5-piece shim set (0.6mm, .10mm, .20mm (2) and 2.8mm) order No. '**Shim Set**'. Will fit 20mm or 22mm scoring sets.

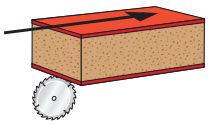
CONICAL TYPE SCORING SETS DITEC™

120mm

8° HOOK
CONICAL ALTERNATE TOP BEVEL (ATB) GRIND



Used on panel saws with separate scoring units for chip-free cuts on both sides of the material. With conical type scoring blades, the kerf width changes with depth of penetration. Used in combination with our industrial saw blades '7' series only (#714721, etc.). Also used in combination with the DITEC™ series Panel saw main blades. Kerf range should match the main blade.



ØD	Teeth	Grind	'B' Kerf Range	Tool No.	'C' Plate	Bore	Machine Application
120mm	24	CONICAL	3.2 - 4.2mm	**DT120T20**	2.2mm	20mm	SCMI, Altendorf
120mm	24	CONICAL	4.4 - 5.4mm	**DT120T24**	2.8mm	20mm	Altendorf, Martin, SCMI

NOTE: *P.H. denotes pin-hole configuration, if applicable. Example: 2/10/60 = 2 @ 10mm dia. on 60mm circle.

Saw Blade Symbol Keychart

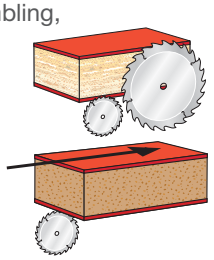
Amana Tool®

EZ DIAL™ SCORING SET SHIM-FREE & ADJUSTABLE

Patent Pending

ADJUSTING THE SCORING SET IS QUICK AND EASY. SIMPLY TURN THE DIAL TO ADJUST THE WIDTH OF THE SCORE.

Adjustments can easily be made while the scoring set is mounted on the machine!
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 - 3.6mm.
- Available in 100, 120 and 125mm diameters with 22, 20, 15mm and 3/4" bores.
- Replacement blades available.
- Fits most machines, including Altendorf, SCM.

RE-SHARPENING ADAPTER

#EZA-08 for 100mm
#EZA-10 for 120 and 125mm

ØD	Kerf	Tool No.	Teeth	Bore	Repl. Set Screws
100mm	2.8-3.6mm	EZ100-24-20	12x2	20mm	67020
100mm	2.8-3.6mm	* EZ100-24-22	12x2	22mm & 3/4"	67020
120mm	2.8-3.6mm	EZ120-24-20	12x2	20mm	67020
+ 120mm	2.8-3.6mm	**EZ120-24-22	12x2	22mm, 3/4" & 15mm	67021
125mm	2.8-3.6mm	EZ125-24-20	12x2	20mm	67020
125mm	2.8-3.6mm	* EZ125-24-22	12x2	22mm & 3/4"	67020

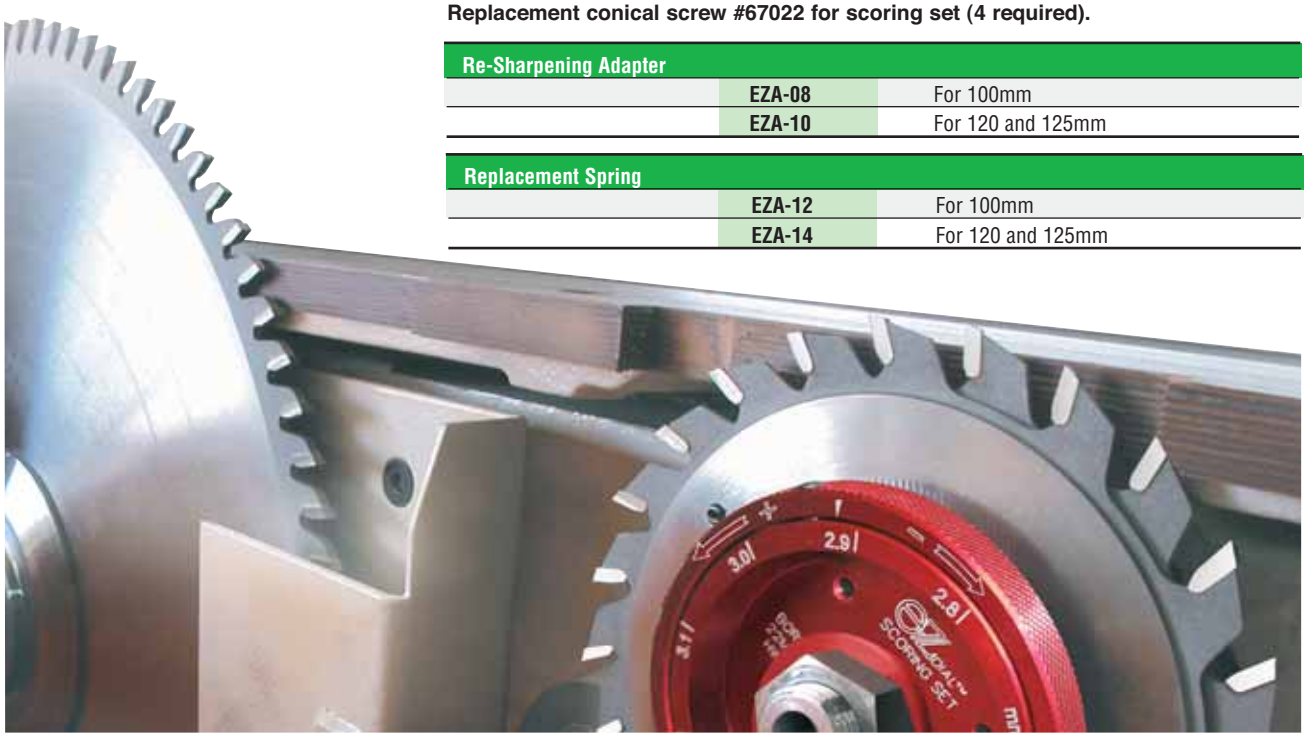
*** Includes bushing part #BEZ-01 from 22mm-3/4".**
****Fits additional machines: Casolin Astra Top, Casadei Shark & Lazzari.**
+ Chamfered dial for SCM machine. BEZ-015 from 22 to 15mm.

Replacement Saw Blades		
100mm	REZ100	12x2
120mm	REZ120	12x2
125mm	REZ125	12x2

Replacement conical screw #67022 for scoring set (4 required).

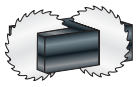
Re-Sharpening Adapter		
	EZA-08	For 100mm
	EZA-10	For 120 and 125mm

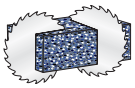
Replacement Spring		
	EZA-12	For 100mm
	EZA-14	For 120 and 125mm

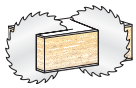


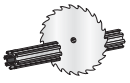
Saw Blade Symbol Keychart

ACRYLIC & NO MELT PLASTIC

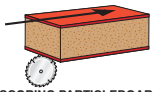

PHENOLIC & HARD PLASTIC


SOLID SURFACE


MELAMINE SINGLE & DOUBLE SIDED


NON-FERROUS ALLOYS

PANEL SIZING/SCORING

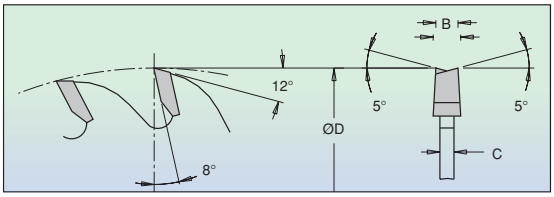

SCORING PARTICLEBOARD & DOUBLE SIDED MDF LAMINATE

Saw Blades

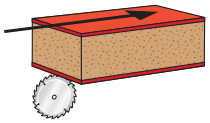
CONICAL TYPE SCORING

120mm TO 200mm

8° HOOK
CONICAL ATB GRIND



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	Teeth	Grind	'B' Kerf Range mm	'B' Kerf Range Inches	Tool No.	'C' Plate mm	'C' Plate Inches	Bore	†Machine Application
100mm	20	ATB	3.2-4.2mm	.125-.165	**SS100T20**	2.2mm	.086	20mm	Various
120mm	24	ATB	3.2-4.2mm	.125-.165	**SS120T20**	2.2mm	.086	20mm	Various
125mm	24	ATB	4.4-5.4mm	.173-.212	**SS125T24**	2.8mm	.110	20mm	Martin, Mayer-Lombach, Giben
150mm	24	ATB	4.0-5.0mm	.157-.196	**SS150T24**	2.8mm	.110	20mm	Various
150mm	36	ATB	4.4-5.4mm	.173-.212	**SS150T36**	2.8mm	.110	20mm	Shelling, Holzma
160mm	36	ATB	4.4-5.4mm	.173-.212	**SS160T36**	2.8mm	.110	20mm	Gabbiani
200mm	36	ATB	4.4-5.4mm	.173-.212	**SS200T36**	2.8mm	.110	20mm	Shelling, Holzma

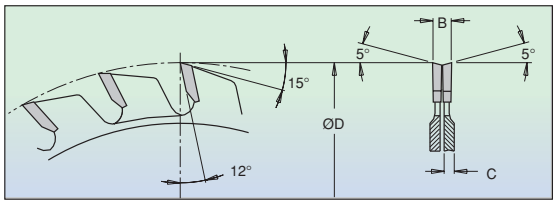
NOTE: Standard bore is 20mm. Other kerf sizes available, please inquire.

Saw Blade Symbol Keychart

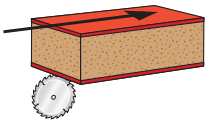
ADJUSTABLE TYPE SCORING SETS

100mm TO 125mm

12° HOOK
ATB GRIND



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	Tool No.	'C' Plate mm	'C' Plate Inches	Bore	†Machine Application
100mm	12x2	ATB	2.8-3.6mm	.110-.142	**SS100T12**	2.0mm(x2)	.078(x2)	20mm	Shelling
100mm	12x2	ATB	2.8-3.6mm	.110-.142	**SS100T14**	2.0mm(x2)	.078(x2)	*22mm	Altendorf, Delta, Martin, Mrozek, Panhans
120mm	12x2	ATB	2.8-3.6mm	.110-.142	**SS120T12**	2.0mm(x2)	.078(x2)	20mm	SCMI
120mm	12x2	ATB	2.8-3.6mm	.110-.142	**SS120T14**	2.0mm(x2)	.078(x2)	*22mm	Altendorf, Martin, Mrozek
125mm	12x2	ATB	2.8-3.6mm	.110-.142	**SS125T14**	2.0mm(x2)	.078(x2)	20mm	Griggio

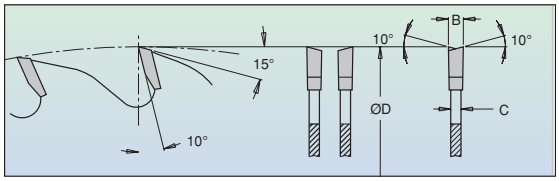
***NOTE:** Adjustable scoring sets with **22mm** bore can be converted to either **3/4" bore** by ordering two each **#BU-130** bushings, or to **20mm** bore by ordering two each **#BU-140** bushings.
Replacement 5-piece shim set (0.6MM, .10MM, .20MM (2) and 2.8mm) order No. **'Shim Set'**. Will fit 20mm or 22mm scoring sets.

†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.).

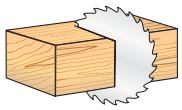
EDGEBANDER TRIM SAW

150mm & 180mm

10° HOOK
ALTERNATE TOP BEVEL
(ATB) GRIND



Replacement trim saw blades for edgebanding machines feature alternate top bevel grind on the teeth, 10° hook angle, and standard thickness plates. Most machines require two blades.

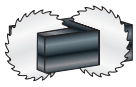


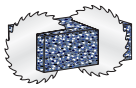
ØD mm	Teeth	Grind	Tool No.	'B' Kerf Inch	'C' Plate Inch	Bore
150mm	30	ATB	* **663000**	.126	.087	30mm
180mm	58	ATB	∞ **663010**	.126	.087	20mm

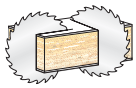
For IDM-137 and Ocmac Chica 290 edgebanders, and others.
†For Olimpic Nova-2 edgebanders, and others.

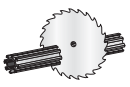
Saw Blade Symbol Keychart

ACRYLIC & NO MELT PLASTIC

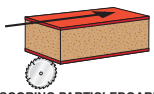

PHENOLIC & HARD PLASTIC


SOLID SURFACE


MELAMINE SINGLE & DOUBLE SIDED


NON-FERROUS ALLOYS

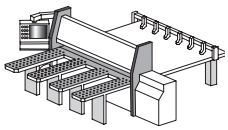
PANEL SIZING/SCORING


SCORING PARTICLEBOARD & DOUBLE SIDED MDF LAMINATE

Saw Blades

DYNAMIC PANEL SAWING

- **TCG (TRIPLE CHIP GRIND)**
- **EXTENDED LIFE**

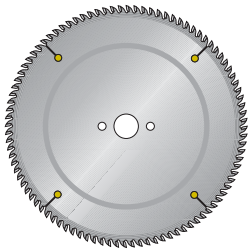


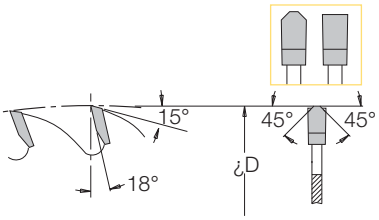
Manufacturing Technology:

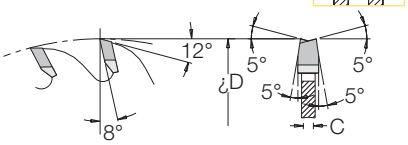
Dynamic Balancing

Dynamic Straightness

Pressure







MAIN SAW FOR PANEL SIZING LAMINATED BOARDS

Machine Style	ØD mm	Teeth Count	Tool No.	Kerf/Plate mm	Bore mm	*Pin-holes
Anthon LNA	400	72	**DT400T721-60**	4.4/3.2	60	2/11/85
Gabbiani	355	72	**DT355T721-80**	4.4/3.0	80	4/9/100, 2/7/110
	380	60	**DT380T601-60**	4.4/3.2	60	4/9/100
	400	60	**DT400T601-80**	4.4/3.2	80	4/9/100, 2/7/110
	400	72	**DT400T721-80**	4.4/3.2	80	4/9/100, 2/7/110
	500	72	**DT500T721-80A**	4.8/3.5	80	2/8/110 & 2/10/130
Giben	450	72	**DT450T721-75**	4.4/3.2	75	
Giben	500	72	**DT500T721-75B**	5.0/3.5	75	
Giben	550	72	**DT550T721-100B**	5.0/3.5	100	
Giben Junior	305	60	**DT305T601-75**	4.4/3.2	75	
Giben Trend	355	54	**DT355T541-75**	4.4/3.2	75	
Giben Trend	355	72	**DT355T721-75**	4.4/3.2	75	
Giben Trend	400	60	**DT400T601-75**	4.4/3.2	75	4/15/105
Holz-her	220	64	**DT220T641**	3.0/2.2	30	2/7/42
Holzma	355	72	**DT355T721-60**	4.4/3.2	60	
	380	60	**DT380T601-60**	4.4/3.2	60	4/9/100
	420	72	**DT420T721-60**	4.4/3.2	60	
	420	72	**DT420T721-60A**	4.8/3.5	60	
	450	72	**DT450T721-60**	4.4/3.2	60	
	450	72	**DT450T721-60A**	4.8/3.5	60	2/14/125
	500	60	**DT500T601-60A**	4.8/3.5	60	
	500	72	**DT500T721-60A**	4.8/3.5	60	
	500	72	**DT500T721-60B**	5.0/3.5	60	
	520	72	**DT520T721-60**	4.8/3.5	60	
	600	72	**DT600T721-60**	5.8/4.0	60	2/19/120, 02/11/115
Mayer	355	54	**DT355T541-30**	4.4/3.0	30	
	355	72	**DT355T721-30**	4.4/3.0	30	
	400	72	**DT400T721-30**	4.4/3.2	30	
New Sigma115	400	72	**DT400T721-80**	4.4/3.2	80	
New Sigma 90	355	54	**DT355T541-30**	4.4/3.2	30	
Panhans	305	48	**DT305T481-30**	4.4/3.2	30	
	355	54	**DT355T541-30**	4.4/3.2	30	
	355	72	**DT355T721-30**	4.4/3.0	30	

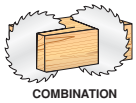
SCORER FOR PANEL SIZING

ØD mm	Teeth Count	Tool No.	Fits Main Saw Kerf	Bore mm	*Pin-holes
180	30	**DT180T30-20**	4.4/5.4	20	
200	36	**DT200T36-65**	4.4/5.4	65	4/9/110
160	36	**DT160T36-55**	4.4/5.4	55	3/7/66
200	36	**DT200T36-65A**	4.8/5.8	65	2/9/100
200	36	**DT200T36-65A**	4.8/5.8	65	2/9/100
160	36	**DT160T36-55**	4.4/5.4	55	3/7/66
125	24	**DT125T24-45**	4.4/5.4	45	
125	24	**DT125T24-45**	4.4/5.4	45	
125	24	**DT125T24-45**	4.4/5.4	45	
125	24	**DT125T24-45**	4.4/5.4	45	
180	30	**DT180T30-45**	4.4/5.4	45	
200	36	**DT200T36-65**	4.4/5.4	65	4/9/110
200	36	**DT200T36-45**	4.4/5.4	45	
200	36	**DT200T36-45A**	4.8/5.8	45	
200	36	**DT200T36-45**	4.4/5.4	45	
200	36	**DT200T36-45A**	4.8/5.8	45	
200	36	**DT200T36-45A**	4.8/5.8	45	
200	36	**DT200T36-45A**	4.8/5.8	45	
200	36	**DT200T36-45A**	4.8/5.8	45	
200	36	**DT200T36-45A**	4.8/5.8	45	
200	36	**DT200T36-45B**	5.8/6.8	45	
200	36	**DT200T36-80A**	4.4/5.4	80	2/14/110
160	36	**DT160T36-55**	4.4/5.4	55	3/7/66
180	30	**DT180T30-30**	4.4/5.4	30	
180	30	**DT180T30-30**	4.4/5.4	30	
180	30	**DT180T30-30**	4.4/5.4	30	

NOTE: *P.H. denotes pin-hole configuration, if applicable. Example: 2/10/60 = 2 @ 10mm dia. on 60mm circle.

Saw Blade Symbol Keychart

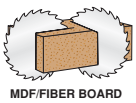
SOFT/HARDWOOD RIPPING



COMBINATION RIP/CROSSCUT

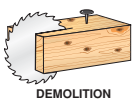
SOFT/HARDWOOD CROSSCUT

CABINET PLYWOOD RIP/CROSSCUT



MDF/FIBER BOARD

PLASTIC LAMINATE SINGLE & DOUBLE SIDED

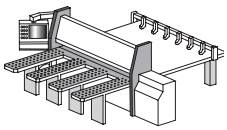


DEMOLITION EMERGENCY

Amana Tool®

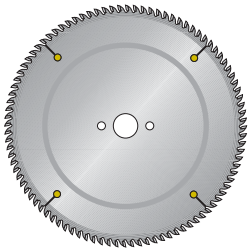
DYNAMIC PANEL SAWING

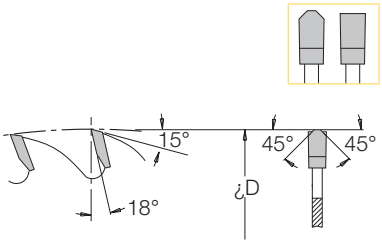
- TCG (TRIPLE CHIP GRIND)
- EXTENDED LIFE

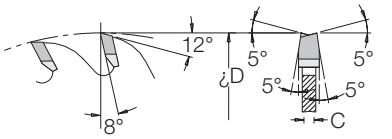


Manufacturing Technology:

Dynamic Balancing | Dynamic Straightness | Pressure







MAIN SAW FOR PANEL SIZING LAMINATED BOARDS

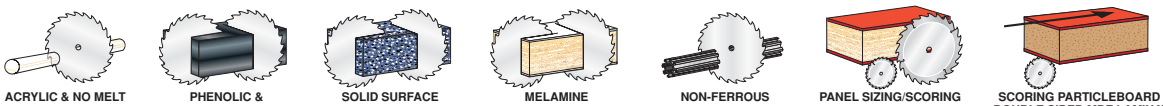
Machine Style	ØD mm	Teeth Count	Tool No.	Kerf/Plate mm	Bore mm	*Pin-holes
Prismatic No.1	400	72	DT400T721-75	4.4/3.2	75	4/15/105
Prismatic No.1	400	72	DT400T721-75PH	4.4/3.2	75	4/15/115
Prismatic No.2	430	96	DT430T961-75	4.4/3.2	75	4/15/105
Prismatic No.2	430	96	DT430T961-50	4.4/3.2	50	3/15/80
Prismatic No.3	470	96	DT470T961-75	4.4/3.2	75	4/15/105
Prismatic No.3	500	72	DT500T721-75	4.4/3.2	75	
Prismatic No.3	500	72	DT500T721-75A	4.8/3.5	75	
Prismatic No.3	550	72	DT550T721-100B	5.0/3.5	100	
Schelling	350	72	DT350T721-30	4.4/3.2	30	
	355	72	DT355T721-30	4.4/3.2	30	
	370	72	DT370T721-30	4.4/3.2	30	
	400	60	DT400T601-30	4.4/3.2	30	
	400	72	DT400T721-30	4.4/3.2	30	
	450	72	DT450T721-30	4.4/3.2	30	2/12/94
	460	72	DT460T721-30	4.4/3.2	30	2/12/94
	480	80	DT480T801-30	4.4/3.2	30	
	550	72	DT550T721-40	5.0/3.5	40	
Selco	355	72	DT355T721-80	4.4/3.2	80	4/9/100
	400	72	DT400T721-80	4.4/3.2	80	4/19/120, 2/9/130
	400	72	DT400T721-2PH	4.4/3.2	80	2/8/130
	430	72	DT430T721-80	4.4/3.2	80	4/19/120, 2/9/130
	450	72	DT450T721-80	4.4/3.2	80	4/19/120, 2/9/130
	450	72	DT450T721-80A	4.8/3.5	80	4/19/120, 2/9/130
Sigma65K	300	72	DT305T721-80	4.4/3.2	80	4/9/100 2/14/110, 2/7/110
Sigma65K	380	72	DT380T721-80	4.4/3.5	80	4/9/100 2/14/110, 2/7/110
Sigma90	355	72	DT355T721-30	4.4/3.0	30	
Various	305	60	DT305T601-30	4.4/3.2	30	
Various	380	72	DT380T721-75	4.4/3.2	75	
Various	380	72	DT380T721-60A	4.8/3.5	60	
Various	430	72	DT430T721-30	4.4/3.2	30	
Various	450	72	DT450T721-80A	4.8/3.5	80	
Various	480	72	DT480T721-80A	4.8/3.5	80	4/19/120
Various	550	72	DT550T721-40	5.0/3.5	40	

SCORER FOR PANEL SIZING

ØD mm	Teeth Count	Tool No.	Fits Main Saw Kerf	Bore mm	*Pin-holes
160	36	DT160T36-45	4.4/5.4	45	3/17/170
215	42	DT215T42-50	4.4/5.4	50	3/15/80
215	42	DT215T42-50	4.4/5.4	50	3/15/80
125	24	DT125T24-45	4.4/5.4	45	
125	24	DT125T24-45A	4.8/5.8	45	
180	30	DT180T30-55	5.0/6.0	55	
200	36	DT200T36-20	4.4/5.4	20	
200	36	DT200T36-20	4.4/5.4	20	
200	36	DT200T36-20	4.4/5.4	20	
200	36	DT200T36-20	4.4/5.4	20	
200	36	DT200T36-20	4.4/5.4	20	
200	36	DT200T36-20	4.4/5.4	20	
200	36	DT200T36-20A	5.0/6.0	20	
200	36	DT200T36-65	4.4/5.4	65	4/9/110
200	36	DT200T36-65	4.4/5.4	65	4/9/110
200	36	DT200T36-65	4.4/5.4	65	4/9/110
200	36	DT200T36-65	4.4/5.4	65	4/9/110
200	36	DT200T36-65A	4.8/5.8	65	4/9/110
160	36	DT160T36-55	4.4/5.4	55	3/7/66
160	36	DT160T36-55	4.4/5.4	55	3/7/66
160	36	DT160T36-55	4.4/5.4	55	3/7/66

NOTE: *P.H. denotes pin-hole configuration, if applicable. Example: 2/10/60 = 2 @ 10mm dia. on 60mm circle.

Saw Blade Symbol Keychart

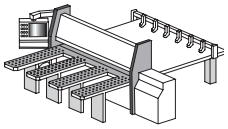


ACRYLIC & NO MELT PLASTIC | PHENOLIC & HARD PLASTIC | SOLID SURFACE | MELAMINE SINGLE & DOUBLE SIDED | NON-FERROUS ALLOYS | PANEL SIZING/SCORING | SCORING PARTICLEBOARD & DOUBLE SIDED MDF LAMINATE

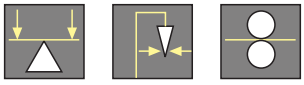
Saw Blades

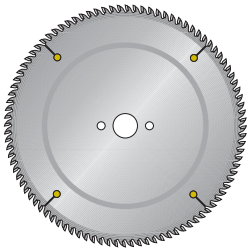
DYNAMIC PANEL SAWING

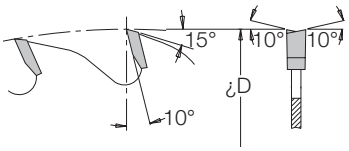
- ATB (ALTERNATE TOP BEVEL)
- EXTENDED LIFE

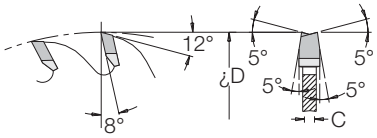


Manufacturing Technology:









MAIN SAW FOR PANEL SIZING LAMINATED BOARDS

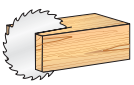
Machine Style	ØD mm	Teeth Count	Tool No.	Kerf/Plate mm	Bore mm	*Pin-holes
Gabbiani	355	72	**DT355T720-80**	4.4/3.0	80	4/9/100 & 2/7/110
	400	72	**DT400T720-80**	4.4/3.2	80	4/9/100 2/7/110 & 2/14/110
Giben	355	72	**DT355T720-75**	4.4/3.0	75	
	400	60	**DT400T600-75**	4.4/3.2	75	
	400	72	**DT400T720-75**	4.4/3.2	75	4/15/115
Giben Trend	355	54	**DT355T540-75**	4.4/3.0	75	
Holzma	400	72	**DT400T720-60**	4.4/3.2	60	
Mayer	305	48	**DT305T480-30**	4.4/3.0	30	
Panhans	305	60	**DT305T600-30**	4.4/3.0	30	
	355	54	**DT355T540-30**	4.4/3.0	30	
	355	72	**DT355T720-30**	4.4/3.0	30	2/10/60
	450	72	**DT450T720-30**	4.4/3.2	30	2/10/60
Schelling	400	60	**DT400T600-30**	4.4/3.2	30	
Various	430	72	**DT430T720-30**	4.4/3.2	30	

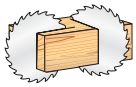
SCORER FOR PANEL SIZING

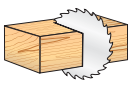
ØD mm	Teeth Count	Tool No.	Fits Main Saw Kerf	Bore mm	*Pin-holes
160	36	**DT160T36-55**	4.4/5.4	55	3/7/66
160	36	**DT160T36-55**	4.4/5.4	55	3/7/66
125	24	**DT125T24-45**	4.4/5.4	45	
125	24	**DT125T24-45**	4.4/5.4	45	
125	24	**DT125T24-45**	4.4/5.4	45	
200	36	**DT200T36-45**	4.4/5.4	45	
125	24	**DT125T24**	4.4/5.4	20	
125	24	**DT125T24**	4.4/5.4	20	
125	24	**DT125T24**	4.4/5.4	20	
125	24	**DT125T24**	4.4/5.4	20	
200	36	**DT200T36-20**	4.4/5.4	20	

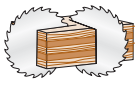
NOTE: *P.H. denotes pin-hole configuration, if applicable. Example: 2/10/60 = 2 @ 10mm dia. on 60mm circle.

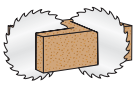
Saw Blade Symbol Keychart


SOFT/HARDWOOD RIPPING

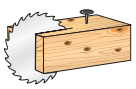

COMBINATION RIP/CROSSCUT


SOFT/HARDWOOD CROSSCUT


CABINET PLYWOOD RIP/CROSSCUT


MDF/FIBER BOARD

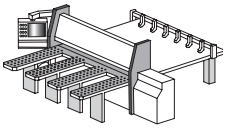
PLASTIC LAMINATE SINGLE & DOUBLE SIDED

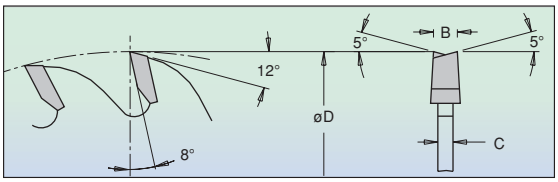

DEMOLITION EMERGENCY

SAW BLADES

Amana Tool®

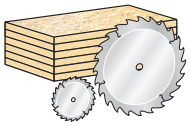
DITEC™ CONICAL TYPE SCORING SAW





100MM-300MM
8° HOOK CONICAL 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 new DITEC™ series Panel saw main blades on pages 204 & 205. Kerf range should match the main blade.



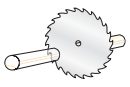
Machine Style	ØD mm	Teeth Count	Tool No.	'B' Kerf mm	'C' Plate	Bore mm	*Pin-holes
Giben	125	24	DT125T24-45	4.4 - 5.4	3.2	45	
	125	24	DT125T24-45A	4.8 - 5.8	3.2	45	
	180	30	DT180T30-55	5.2 - 6.2	3.5	55	
	300	48	DT300T48-50	4.4 - 5.4	3.2	50	3/15/80
Giben Prismatic	160	36	DT160T36-45	4.4 - 5.4	3.2	45	3/15/70
	215	42	DT215T42-50	4.4 - 5.4	3.2	50	3/15/80
Holzma	175	28	DT175T28-45	4.4 - 5.4	3.2	45	
	175	28	DT175T28-45A	4.8 - 5.8	3.2	45	
	180	30	DT180T30-45	4.4 - 5.4	3.2	45	
	200	36	DT200T36-45	4.4 - 5.4	3.2	45	
	200	36	DT200T36-45A	4.8 - 5.8	3.5	45	
Martin	125	24	DT125T24-22	4.4 - 5.4	3.2	22	
Mayer	150	24	DT150T24-30	4.4 - 5.4	3.2	30	
Panhans	180	30	DT180T30-30	4.4 - 5.4	3.2	30	
	200	36	DT200T36-30	4.4 - 5.4	3.2	30	
Schelling	150	24	DT150T24-20	4.4 - 5.4	3.2	20	
	180	30	DT180T30-20	4.4 - 5.4	3.2	20	
	200	36	DT200T36-20	4.4 - 5.4	3.2	20	
	200	36	DT200T36-20A	5.0 - 6.0	3.5	20	
	300	48	DT300T48-30	4.4 - 5.4	3.2	30	
SCMI	150	24	DT150T24-32	4.4 - 5.4	3.2	1-1/4"	
Selco	200	36	DT200T36-65	4.4 - 5.4	3.5	65	2/8/110 & 2/10/110
Various	100	24	DT100T24	3.2 - 4.2	2.2	20	
	125	24	DT125T24	4.4 - 5.4	2.8	20	
	150	36	DT150T36	4.4 - 5.4	2.8	20	
	160	36	DT160T36-55	4.4 - 5.4	3.5	55	
	180	30	DT180T30-45A	4.8 - 5.8	3.5	45	
	200	36	DT200T36-45B	5.8 - 6.6	3.5	45	
	200	36	DT200T36-65A	4.8 - 5.8	3.5	65	

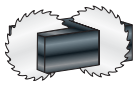
NOTE: Please specify if your application requires 22mm, 30mm, 45mm bore, etc. Due to many different scoring machine sizes (particularly arbor sizes), it is advisable to measure both the scoring and main blades that are presently on your machine (diameter, bore, kerf, etc.).

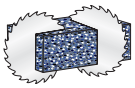
BUSHINGS & STABILIZERS available, see page 213.
RE-BORING Services, see page 214.

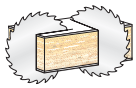
NOTE: *P.H. denotes pin-hole configuration, if applicable. Example: 2/10/60 = 2 @ 10mm dia. on 60mm circle.

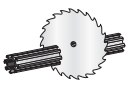
Saw Blade Symbol Keychart


ACRYLIC & NO MELT PLASTIC

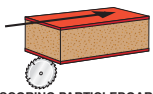

PHENOLIC & HARD PLASTIC


SOLID SURFACE


MELAMINE SINGLE & DOUBLE SIDED


NON-FERROUS ALLOYS

PANEL SIZING/SCORING


SCORING PARTICLEBOARD & DOUBLE SIDED MDF LAMINATE

Saw Blades

DADO SETS

A stacking dado set is an ideal tool for cutting dadoes, grooves and tenons for strong mortise-and-tenon joinery.

PRESTIGE™ SUPER FINE DADO SETS WITH SIX 4-WING CHIPPERS

New

1/4" TO 29/32" • ATB GRIND
PACKED IN A HANDY BLACK MOLDED CARRYING CASE

Our Prestige™ dado sets the standard for smooth, flat-bottom cuts both along and across the grain. This dado set is part of the renowned "Prestige™" line of superior performance blades. This dado set cuts smooth, flat-bottom grooves that are free of splinters or rough edges.

Like all of the blades in our Prestige™ lineup, this super-smooth cutting Prestige™ dado set features the latest in cutting tool technology including massive steel tool-steel plates and precision ground D-10 carbide teeth. The 8" diameter, 24-tooth outside plates are hollow ground for proper clearance and feature 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 accomodates today's undersized plywoods.***

Each of the six interior chippers features four teeth and the standard width capacity is 1/8" through 13/16". 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 209) is also available for use with plywood and melamine.

ØD	Hook Angle	*Teeth	Chippers	Tool No.	Grind	Kerf Range	Bore
8	-10°	24	(4)1/8" (1)3/32" (1)1/16"	**658060**	ATB	1/4"- 29/32"	5/8
8	-10°	24	(4)1/8" (1)3/32" (1)1/16"	**658060-1**	ATB	1/4"- 29/32"	1

***NOTE: Teeth** refers to the number of teeth for each outside saw blade.

Perfect for Crosscutting & Ripping these materials:

Melamine/Laminate

Veneered Plywood

Hardwood

FREE shim set
Included for fine adjustments

Dado Set Applications

TENONS

HALF LAP

GROOVES & RABBETS

END LAPS

Amana Tool®

DADO SETS
6" TO 12"

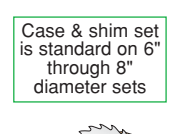
1/8" TO 13/16" GROOVE
ATB AND FT GRIND

Dado's (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 1/8" 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.

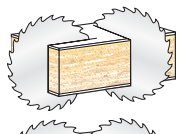
ØD	Hook Angle	*Teeth	Tool No.	Grind	Kerf Range	Bore
6	+15°	18	**656030**	ATB/FT	1/8 - 13/16	5/8
8	–5°	24	**658030**	ATB/FT	1/8 - 13/16	5/8
8	–5°	24	**658030-1**	ATB/FT	1/8 - 13/16	1
8	+15°	24	▼ **658030-AK**	ATB/FT	1/8 - 13/16	5/8
8	–5°	46	† **658040**	ATB/FT	1/8 - 13/16	5/8
8	–5°	46	† **658040-1**	ATB/FT	1/8 - 13/16	1
10	+15°	24	**651030**	ATB/FT	1/8 - 13/16	5/8
10	+15°	24	**651030-1**	ATB/FT	1/8 - 13/16	1
12	+15°	24	**651230**	ATB/FT	1/8 - 13/16	1

† 8" x 46T set for super smooth cuts in cabinet grade plywoods and melamine.
▼ 'Anti-Kickback' design. ***NOTE: Teeth** refers to the number of teeth for each outside saw blade.

Case & shim set is standard on 6" through 8" diameter sets



18, 24 & 36 teeth



46 teeth only

Rated excellent by:

American Woodworker

Fine WoodWorking

DADO COMBINATIONS

Max. Width of Groove	Number of Chippers required 1/16	1/8	1/4
13/16	1	2	1
1-1/16	1	2	2
1-9/16	1	2	4
2-1/16	1	2	6
3-1/16	1	2	10
4-1/16	1	2	14

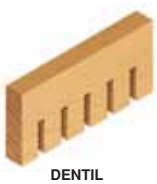
DADO SHIM SETS

The perfect accessory for any dado set with 5/8" or 1" bore is this set of plastic shims. Use them to adjust the dado set for precisely sized cuts. Four different thicknesses are included, each thickness coded by color. Shims are especially useful when cutting plywood and other materials that are slightly under or oversized.

Set includes the following: Quantity Shims	Inch	mm	Color
4	.002	.05mm	Gold
2	.004	.10mm	Yellow
4	.010	.25mm	Clear
4	.020	.50mm	White

SHIM SETS
DSS-100 (5/8" Bore)
DSS-101 (1" Bore)

Dado Set Applications



DENTIL

BOX JOINTS

HALF LAP

SHIP LAP

Saw Blades

Individual Dado Set Components:

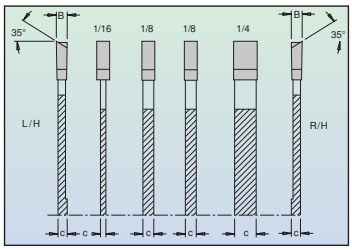
DADO CHIPPERS

6" TO 12"

3/32" KERF AVAILABLE

FLAT TOP (FT) GRIND • TWO TEETH PER CHIPPER

Amana Tool® has a full range of replacement parts for our dado sets, including chippers and outside blades. This allows you to replace damaged cutters and to expand the range of a standard set. These parts are manufactured to the same exacting standards as the full sets.



Order Number Chipper Thickness:					
ØD	Bore	'B' 1/16	'B' 1/8	'B' 1/4	'B' 3/32
6	5/8	651660	651860	651460	—
8	5/8	651680	651880	651480	651280
8	5/8	▼651680-AK	▼651880-AK	▼651480-AK	—
8	1	651680-1	651880-1	651480-1	—
10	5/8	651610	651810	651410	—
10	1	651610-1	651810-1	651410-1	—
12	1	651612	651812	651412	—

▼ 8" 'Anti-Kickback' chippers.

OUTSIDE BLADES

6" TO 12"

ATB/FT GRIND

ØD	Bore	Order No. L/H	Order No. R/H	Teeth	Kerf
6	5/8	656010	656010-R	18	.126
8	5/8	658010	658010-R	24	.126
8	5/8	▼658010-AK	▼658010-AK-R	24	.126
8	1	658010-1	658010-1-R	24	.126
8	5/8	658020	658020-R	46	.126
8	1	658020-1	658020-1-R	46	.126
10	5/8	651010	651010-R	24	.126
10	1	651010-1	651010-1-R	24	.126
12	1	651210	651210-R	24	.126

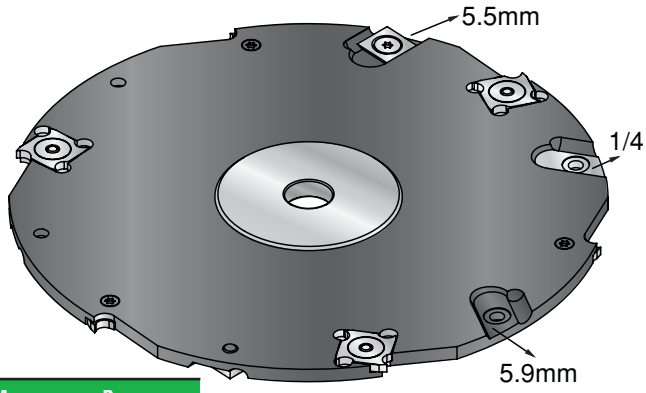
▼ 8" 'Anti-kickback' outside blades.

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. See illustration above for description.

8" STEP ADJUSTABLE GROOVER FOR TABLE SAW

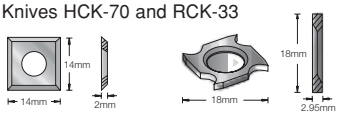
New

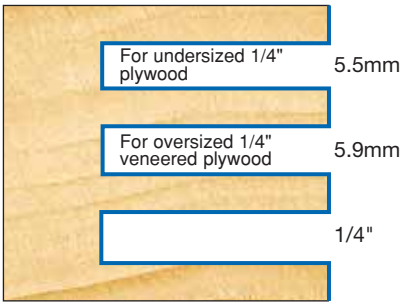
Amana Tools® latest innovation is a groove cutter which allows you to cut three different size grooves simply by switching the location of the knives. The 8" diameter cutter allows you to cut grooves in three widths, 5.5mm, 5.9mm or 1/4".



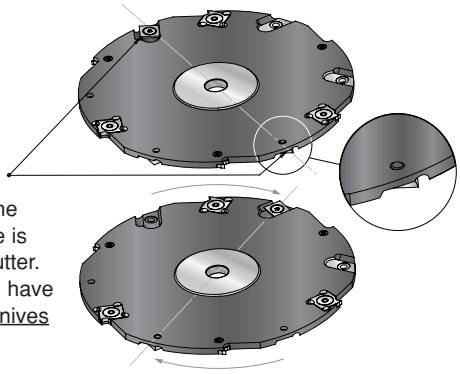
ØD	Teeth	Kerf	Tool No.	Max RPM	Bore
8	6	5.5, 5.9mm & 1/4"	61363	3,800-6,500	5/8
8	6	5.5, 5.9mm & 1/4"	61363-1	3,800-6,500	1

Knives HCK-70 and RCK-33





TO ADJUST THE GROOVE WIDTH SIMPLY CHANGE THE LOCATION OF THE KNIVES



USER INSTRUCTIONS

The pair of knives determines the cutting width of the cutter. There is one knife on each side of the cutter. To change the cutting width you have to change the location of both knives (FRONTSIDE and BACKSIDE).

Saw Blade Symbol Keychart

Amana Tool®

PLATE JOINTER
100mm DIAMETER

This plate jointer blade is 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	Tool No.	Kerf	Bore
100mm	6	**LAM400T6**	4.0mm	22mm

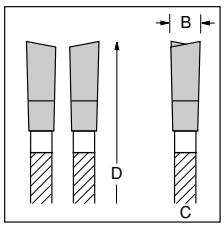
SPECIAL ‘FACE-FRAME’ PLATE JOINTER
3-1/16"

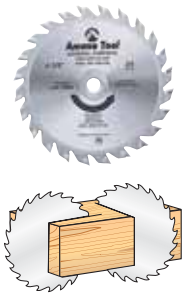
Cut blind right-angle biscuit joints in stock as narrow as 1-3/4" with this smaller diameter blade that fits most biscuit jointers, including Lamello, Virutex, Freud, Kaiser, and DeWalt. A simple depth adjustment on your machine allows the use of this blade.

ØD	Description	Tool No.	Teeth	Kerf	Bore
3-1/16	Standard ‘Face-Frame’	† **LAM300T4**	4	3mm	22mm
3-1/16	Ryobi ‘Face-Frame’	* **RY300T4**	4	3mm	7/8

†LAM300T4 (22mm bore) will fit Lamello, Virutex, Freud, Kaiser, Elu, DeWalt and others. *RY300T4 (7/8" bore) will fit Ryobi Model #JM-100K. Will not work with Porter-Cable biscuit joint machines. Packaged in a re-usable protective foam sleeve.

GENERAL PURPOSE
4-3/8" & 5-1/2"
ALTERNATE TOP BEVEL (ATB) GRIND
POSITIVE HOOK



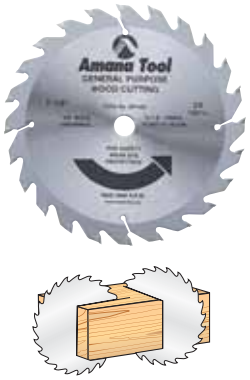


This carbide-tipped trim-saw blade is the ideal upgrade (or replacement blade) for Porter-Cable, Makita, and other brands of portable trim saws. The alternate top bevel grind ensures high-quality crosscuts in solid wood and sizing cuts in plywood.

ØD	Teeth	‘B’ Kerf	Tool No.	‘C’ Plate	Bore
4-3/8	30	.072	**RM-438**	.052	20mm - 3/8
5-1/2	30	.072	**RM-550**	.052	1/2 - 5/8 - 10mm

RM-438 fits Porter-Cable and Makita portable trim saws. **RM-550** fits Makita 5-1/2" saw and others. Replacement bushing for RM-438: #BU-120. (20mm x 3/8). Replacement bushing for RM-550: #BU-110. (5/8 x 1/2). Replacement bushing for RM-550: #BU-125. (5/8 x 10mm)

GENERAL PURPOSE
7-1/4"
ALTERNATE TOP BEVEL (ATB) GRIND
POSITIVE HOOK



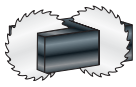
Here is the mainstay cutter in the construction trades and home improvement realm. Get fast, clean, burn-free cuts in framing and pressure-treated stock and in plywood and other construction-grade sheet goods. Use in any brand or model of circular saw.

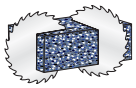
ØD	Teeth	‘B’ Kerf	Tool No.	‘C’ Plate	Bore
7-1/4	24	.120	**GP-420**	.078	*5/8 - univ.

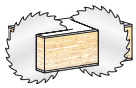
***NOTE:** All blades marked with ‘*’ have a universal bore with 5/8" diameter arbor hole and diamond knock-out. All other blades are as noted.

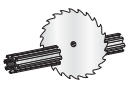
Saw Blade Symbol Keychart

ACRYLIC & NO MELT PLASTIC

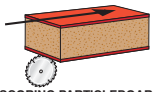

PHENOLIC & HARD PLASTIC


SOLID SURFACE


MELAMINE SINGLE & DOUBLE SIDED


NON-FERROUS ALLOYS

PANEL SIZING/SCORING


SCORING PARTICLEBOARD & DOUBLE SIDED MDF LAMINATE

Saw Blades

FINE-CUTTING

6-1/2" TO 8-1/2"

ALTERNATE TOP BEVEL (ATB) GRIND
POSITIVE HOOK

For crosscutting and mitering with portable circular saws and small sliding compound miter saws, choose this blade. High tooth counts and alternate top bevel grinds produce smooth, crisp cuts. Blade #250-60 is intended for use in small SCM saws and has a 5° negative hook.

ØD	Teeth	'B' Kerf	Tool No.	'C' Plate	Bore
6-1/2	40	.120	FC-500	.078	*5/8 - univ.
7-1/4	40	.120	FC-520	.078	*5/8 - univ.
8-1/4	40	.120	FC-530	.083	*5/8 - univ.
8-1/2	60	.120	† 250-60	.083	5/8 only

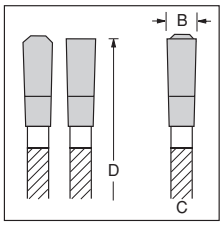
† 5° negative hook blade for Hitachi compound miter saw.

PLYWOOD & PLASTIC CUTTING

7-1/4" & 8"

TRIPLE CHIP (TC) GRIND
POSITIVE HOOK

This blade produces quality cuts when sizing plywood & other sheet goods with a portable circular saw. The blade can also be used for cutting plastics.



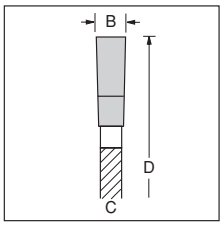
ØD	Teeth	'B' Kerf	Tool No.	'C' Plate	Bore
7-1/4	40	.120	PC-620	.078	*5/8 - univ.
8	40	.120	PC-630	.083	5/8

NAIL-CUTTING & DEMOLITION

7-1/4"

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.



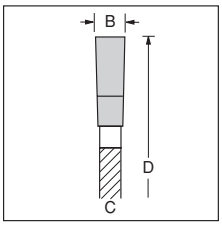
ØD	Teeth	'B' Kerf	Tool No.	'C' Plate	Bore
7-1/4	14	.120	NC-820	.078	5/8

***NOTE:** All blades marked with '*' have a universal bore with 5/8" diameter arbor hole and diamond knock-out. All other blades are as noted.
Packaging: All blades are clamshell packaged for hang-up display.

RIP BLADES

6-1/2" & 7"

FLAT TOP (FT) GRIND
POSITIVE HOOK



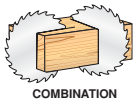
ØD	Teeth	'B' Kerf	Tool No.	'C' Plate	Bore
6-1/2	12	.120	RS-700	.078	*5/8 - univ.
7	12	.120	RS-710	.078	*5/8 - univ.

***NOTE:** All blades marked with '*' have a universal bore with 5/8" diameter arbor hole and diamond knock-out. All other blades are as noted.

Packaging: All blades except #300-24(-1) are clamshell packaged for hang-up display.

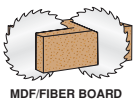
Saw Blade Symbol Keychart

SOFT/HARDWOOD RIPPING

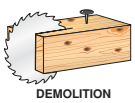

COMBINATION RIP/CROSSCUT

SOFT/HARDWOOD CROSSCUT

CABINET PLYWOOD RIP/CROSSCUT


MDF/FIBER BOARD

PLASTIC LAMINATE SINGLE & DOUBLE SIDED


DEMOLITION EMERGENCY

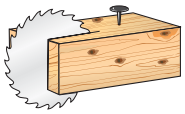
Amana Tool®

DEMOLITION "FIREMAN'S BLADE"

11-3/4"

FLAT TOP (FT) GRIND
15° NEGATIVE HOOK

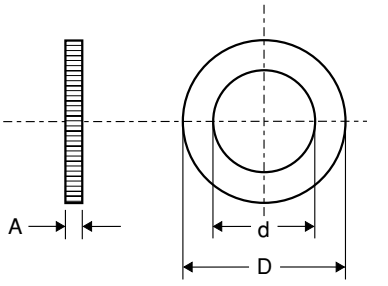
This unusual blade is intended for fire emergency demolition use in gasoline-powered saws. It was designed for the job by experts in one of the world's largest municipal fire departments. The blade has a 15° negative hook angle and specially designed C-1 (90% tungsten, 10% cobalt) carbide that is more shock resistant and less brittle than harder grades, and thus ideal for demolition use.

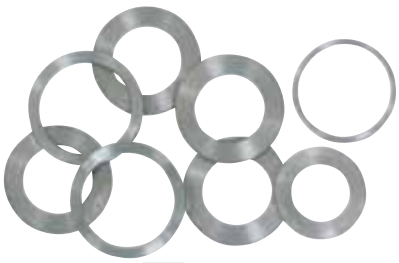


ØD	Teeth	'B' Kerf	Tool No.	'C' Plate	Bore
11-3/4	24	.165	**300-24-1**	.093	1

SAW BLADE BORE REDUCTION BUSHINGS

	ØD	Tool No.	Ød	A
	5/8	**BU-125**	10mm	.053
	5/8	**BU-110**	1/2	.060
	3/4	**BU-150**	5/8	.062
	20mm	**BU-120**	3/8	.060
	22mm	**BU-130**	3/4	.062
	22mm	**BU-140**	20mm	.070
	1	**BU-100**	5/8	.086
	1	**BU-225**	7/8	.097
New	1	**BU-250**	7/8	.110
	1	**BU-200**	3/4	.075
	1	**BU-122**	20mm	.097
	1-1/8	**BU-300**	1	.086
	1-1/4	**BU-400**	1	.086
	1-1/4	**BU-500**	1-1/8	.075
	1-1/4	**BU-450**	30mm	.086
	30mm	**BU-515**	5/8	.070
	30mm	**BU-520**	3/4	.070
	30mm	**BU-530**	25mm	.070
	30mm	**BU-525**	1	.070

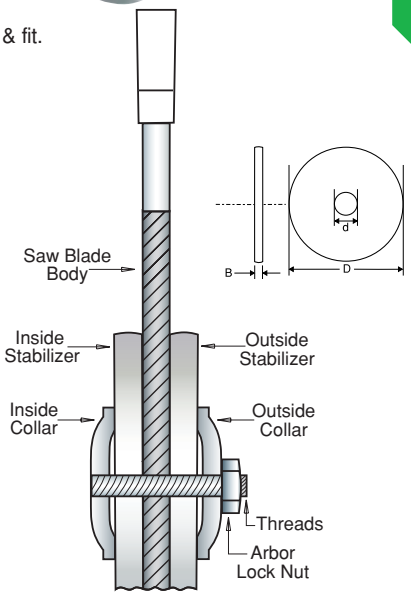




NOTE: Most saw blade bushings have serrations on the outside diameter edge to provide a better grip & fit.

SAW BLADE STABILIZERS / STIFFENERS

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.

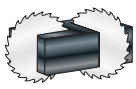


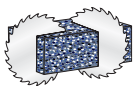
ØD	Ød	Tool No.	B	Use With Saw Blade Diameter(s)
4	5/8	**STF-4**	.098 (x2)	8 - 12
4	1	**STF-4-1**	.098 (x2)	8 - 12
4	30mm	† **STF-4-30**	.098 (x2)	8 - 12
6	1	**STF-6**	.098 (x2)	14 - 20

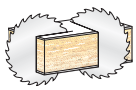
†Includes 2/10/60 pin-holes.

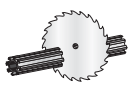
Saw Blade Symbol Keychart

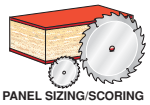
ACRYLIC & NO MELT PLASTIC

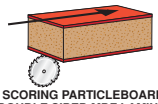

PHENOLIC & HARD PLASTIC


SOLID SURFACE


MELAMINE SINGLE & DOUBLE SIDED


NON-FERROUS ALLOYS


PANEL SIZING/SCORING


SCORING PARTICLEBOARD & DOUBLE SIDED MDF LAMINATE

Saw Blades

RE-BORING SERVICE

Most Amana Tool® Saw Blades, Scoring Saws and Dado Sets can be re-bored to fit special size arbors.

Example: If you needed a 12" x 40 tooth TCG blade (#612401) re-bored to 30mm (Bore-2), order as follows:

Quantity	Item No.	Description
1 each	**612401**	12" x 40T TCG
1 each	**Bore-2**	Re-bore above #612401 to 30mm

NOTE: For **special boring** requests (pin-holes, keyways, etc.) please see page 294 for a detailed drawing to show bore specifications and arrangement.

Example:

Blade: #612401

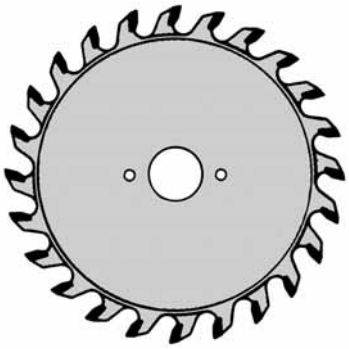
Main Bore: 30mm diameter

Pin-holes (2): 10mm diameter each

Pin-hole location: 30mm from center of main bore to center of each pin-hole (60mm circle).

Delivery: Please allow 7-10 working days to process your order.

Guarantee: Blades carry the same **Amana Tool®** quality guarantee. However, blades are **not returnable** once re-bored except for defects in material or workmanship.



	Item No.	Bore Range
	Bore	3/4" to 1-3/8"
	Bore-1	1-1/2" to 3-1/2"
	Bore-2	20mm to 35mm
	Bore-3	36mm to 75mm
	Bore Keyway	
	Bore Pin-Hole	
	Bore - Dado	3/4" to 30mm

Larger sizes available on request.

IMPORTANT NOTE:

*Due to the many different size scoring saw arbors on the market, please order carefully. **For example:** If you were to assume that the arbor hole needed was **1-3/16" (1.187")** and it was actually **30mm (1.181"),** the difference of only **.006"** (6/1000th of one inch) is enough that the blade would not fit onto the arbor properly. (1-3/16" is too large to fit on 30mm arbors and will have excessive vibration and run-out and will not run concentrically.) Conversely, if the arbor hole is **too small**, you could do damage to the arbor, blade and tensioning if you attempt to **force** the blade onto the arbor.

SHAPING

SHAPER CUTTERS

TONGUE & GROOVE CUTTERS
PAGE 238

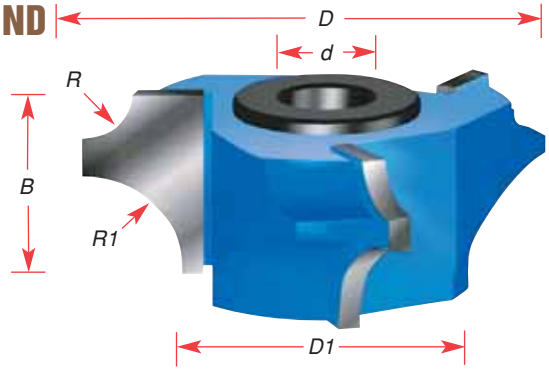
Shaper Cutters

CARBIDE-TIPPED SHAPER CUTTERS

Over 100 different cutters for all your shaping needs. Extra-thick carbide tips offer many resharpenings and longer tool life. RPM rating: 12,000 and under.

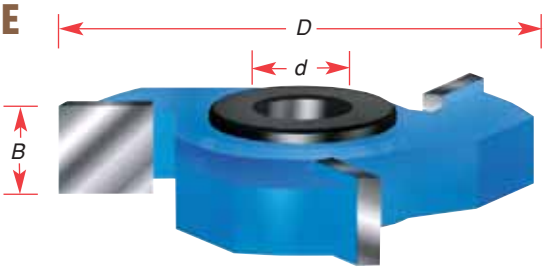
Cutters are furnished with either 1/2", 3/4" or 1-1/4" bore.
Cutters with 3/4" bore include 2 reduction bushings (1/2" x 3/4") which will reduce the bore to 1/2".
Cutters with 1-1/4" bore include 2 reduction bushings (1" x 1-1/4") which will reduce the bore to 1".

CORNER ROUND CUTTER



	ØD	ØD1	B	Tool No.	R	R1	Ød	Rub Collar
	2-5/8	1-5/8	15/16	**905**	1/4	1/2	1/2 & 3/4	C-005** C011**
New	3-5/32	2-5/32	15/16	**SC680**	1/4	1/2	1 & 1-1/4	C051***

STRAIGHT EDGE CUTTER



	ØD	B	Tool No.	Ød
New	1-7/8	1/4	**SC672**	1/2 & 3/4
	2	1/4	**SC612**	1/2
New	2-1/2	1/4	**SC674**	1 & 1-1/4
	2-5/8	1/4	* **918**	1/2 & 3/4
New	2-3/4	1/4	**SC671**	1/2 & 3/4
New	2-7/8	1/4	**SC611**	1/2 & 3/4
New	2-7/8	1/4	**SC613**	1 & 1-1/4
	3-1/8	1/4	** **917**	1/2 & 3/4
New	3-3/8	1/4	**SC673**	1 & 1-1/4
New	3-9/16	1/4	**SC615**	1 & 1-1/4
	2-5/8	3/8	* **953**	1/2 & 3/4
	2	1/2	**SC614**	1/2
	2-1/2	1/2	**948**	1/2 & 3/4
	2-5/8	1/2	**954**	1/2 & 3/4
	2-5/8	3/4	**912**	1/2 & 3/4
	2	1	**SC610**	1/2
	2-5/8	1	**955**	1/2 & 3/4
	2-5/8	1-1/2	**956**	1/2 & 3/4
	2-5/8	2	**SC632**	1/2 & 3/4

*Due to size, furnished with only one 1/2" x 3/4" bushing.
**Cabinet set replacement cutter, no bushing is furnished.

NOTE: For heavy duty larger diameter straight edge shaper cutters see page 232.

For rub collars & bushings
See pages 280 - 282.

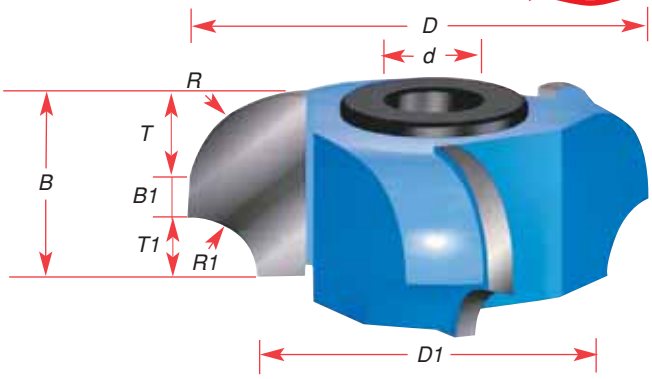
*Rub collar for 1/2" arbor only! **Rub collar for 3/4" arbor only! ***Rub collar for 1-1/4" arbor only!

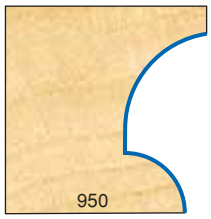
Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

Amana Tool®

COVE & CORNER ROUND CUTTER

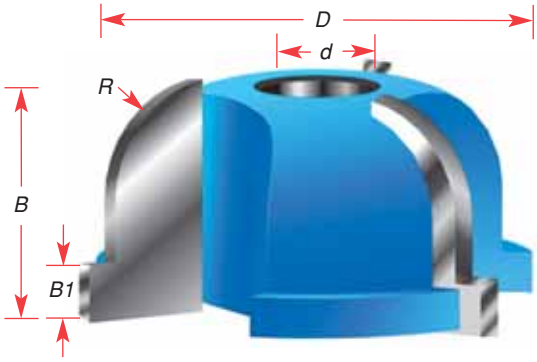
New SIZES





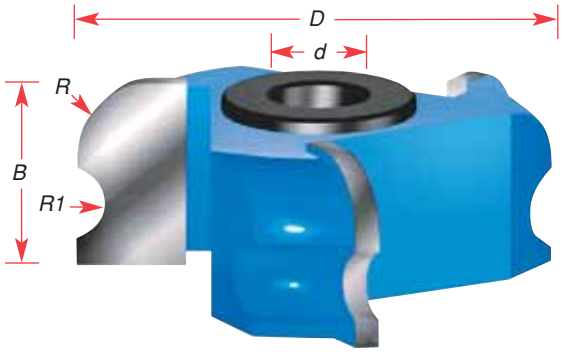
ØD	ØD1	B	B1	T	T1	Tool No.	R	R1	Ød	Rub Collar
2-5/8	2	15/16	1/8	1/2	5/16	**950**	1/2	5/16	1/2 & 3/4	C-005**
2-3/4	1-3/4	1-3/8	3/8	1/2	1/2	**SC410**	1/2	1/2	1/2 & 3/4	C-006**
3	1-3/4	1-9/16	5/16	5/8	5/8	**SC412**	5/8	5/8	1/2 & 3/4	C-006**
3-1/4	1-3/4	1-7/8	3/8	3/4	3/4	**SC414**	3/4	3/4	1/2 & 3/4	C-006**
3-3/4	1-3/4	2-1/4	1/4	1	1	**SC416**	1	1	1/2 & 3/4	C-006**

FLUTE & COVE CUTTER



ØD	B	B1	Tool No.	R	Ød	Rub Collar
2	1	1/4	**SC600**	1/2	1/2	C-001*

5/16" COVE & 3/8" BEAD CUTTER



ØD	B	R	Tool No.	R1	Ød	Rub Collar
2-5/8	1	3/8	**951**	5/16	1/2 & 3/4	C-010**

For rub collars & bushings
See pages 280 - 282.

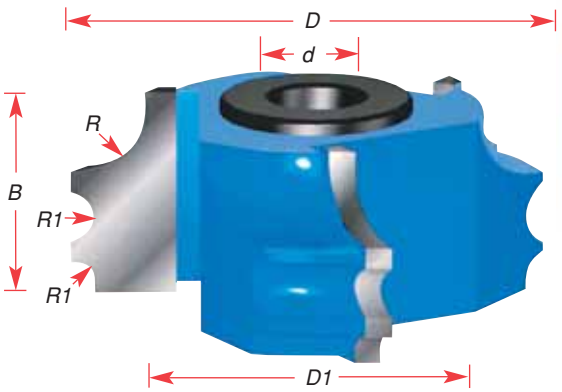
Replacement 'T' bushing(s) #BU-550.

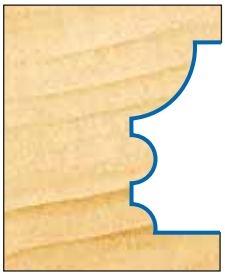
*Rub collar for 1/2" arbor only! **Rub collar for 3/4" arbor only! ***Rub collar for 1-1/4" arbor only!

Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

Shaper Cutters

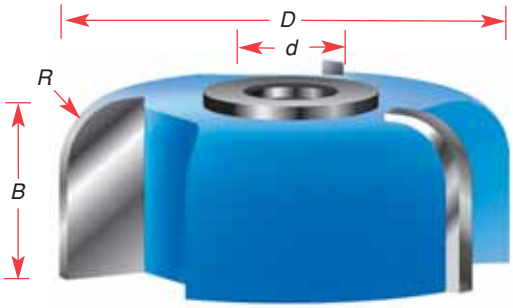
1/8" - 3/8" CORNER ROUND & 1/4" BEAD CUTTER

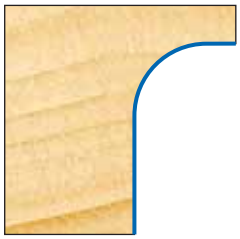




ØD	ØD1	B	Tool No.	R	R1	Ød	Rub Collar
2	1-1/4	1	**SC602**	3/8	1/8	1/2	C-002*
2-5/8	1-7/8	15/16	**952**	3/8	1/8	1/2 & 3/4	C-008**

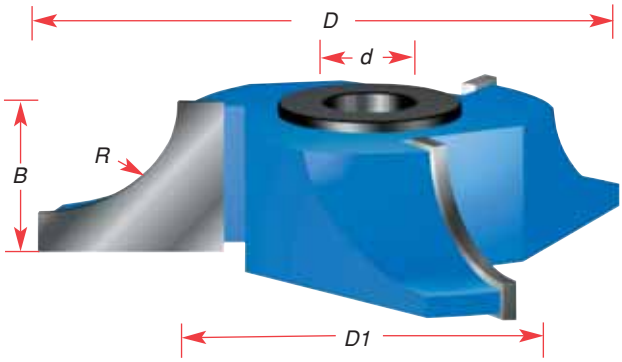
DROP LEAF COVE CUTTER

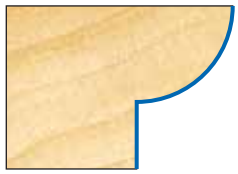




ØD	B	R	Tool No.	Ød	Rub Collar
2-5/8	1	3/8	**SC634**	1/2 & 3/4	C-008**

3/4" RADIUS CORNER ROUND CUTTER





Description	ØD	ØD1	Tool No.	B	R	Ød	Rub Collar
Corner Round	3-5/8	2-1/8	**959**	1	3/4	1/2 & 3/4	C-011**
Drop Leaf-Bead	2-5/8	1-5/8	**SC636**	1	1/2	1/2 & 3/4	C-005**

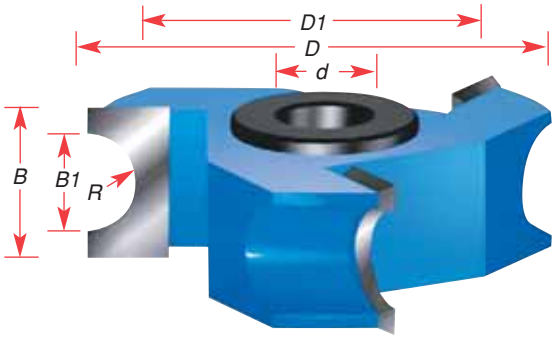
Replacement 'T' bushing(s) #BU-550.

*Rub collar for 1/2" arbor only! **Rub collar for 3/4" arbor only! ***Rub collar for 1-1/4" arbor only!

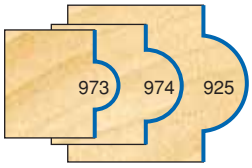
For rub collars & bushings
See pages 280 - 282.

Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

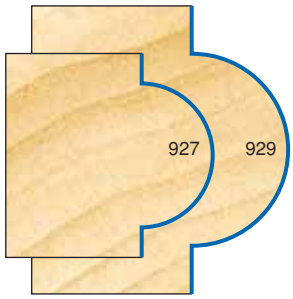
BULL NOSE CUTTER



NOTE: For heavy duty larger diameter bull nose shaper cutters see page 233.

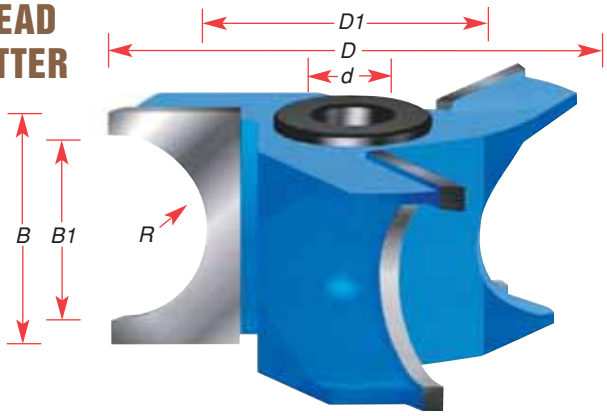


	Description	ØD	ØD1	B	Tool No.	B1	R	Ød	Rub Collar
	1/4 Bead	2-5/8	2-3/8	9/16	* 973	1/4	1/8	1/2 & 3/4	C-015**
	3/8 Bead	2-5/8	2-1/4	5/8	974	3/8	3/16	1/2 & 3/4	C-025**
	1/2 Bead	2-5/8	2-1/8	13/16	925	1/2	1/4	1/2 & 3/4	C-011**
New	5/8 Bead	2-5/8	2	15/16	923	5/8	5/16	1/2 & 3/4	C-010**
	3/4 Bead	2-5/8	1-7/8	1-1/16	927	3/4	3/8	1/2 & 3/4	C-008**
	1 Bead	2-5/8	1-5/8	1-1/2	929	1	1/2	1/2 & 3/4	C-005**
New	1-1/4 Bead	3-9/16	2-5/16	1-5/8	SC570	1-1/4	5/8	1 & 1-1/4	C-040***
New	1-1/2 Bead	3-13/16	2-5/16	2	SC572	1-1/2	3/4	1 & 1-1/4	C-040***
New	2 Bead	4-5/16	2-5/16	2-1/2	SC574	2	1	1 & 1-1/4	C-040***



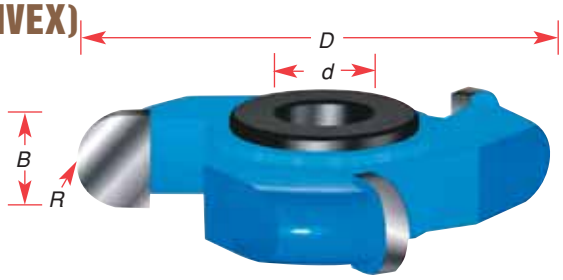
*Due to size, furnished with only one 1/2" x 3/4" bushing.

STAIR TREAD NOSE CUTTER

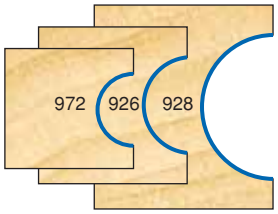


ØD	ØD1	B	Tool No.	B1	R	Ød	Rub Collar
3-3/8	1-7/8	1-1/2	932	1-1/8	9/16	1/2 & 3/4	C-008**

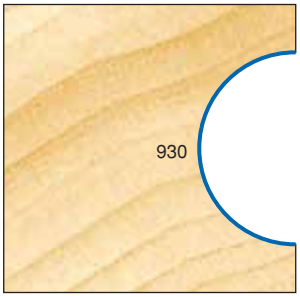
FLUTE (CONVEX) CUTTER



NOTE: For heavy duty larger diameter flute (convex) shaper cutters see page 232.



	Description	ØD	B	Tool No.	R	Ød	Rub Collar
	1/4 Flute	2-5/8	1/4	* 971	1/8	1/2 & 3/4	C-015**
	3/8 Flute	2-5/8	3/8	* 972	3/16	1/2 & 3/4	C-025**
	1/2 Flute	2-5/8	1/2	926	1/4	1/2 & 3/4	C-011**
	3/4 Flute	2-5/8	3/4	928	3/8	1/2 & 3/4	C-008**
	1 Flute	2-5/8	1	930	1/2	1/2 & 3/4	C-005**
New	1-1/4 Flute	3-1/4	1-1/4	SC532	5/8	1 & 1-1/4	C-050***
New	1-1/2 Flute	3-1/2	1-1/2	SC534	3/4	1 & 1-1/4	C-050***
New	2 Flute	4	2	SC536	1	1 & 1-1/4	C-050***



*Due to size, furnished with only one 1/2" x 3/4" bushing.

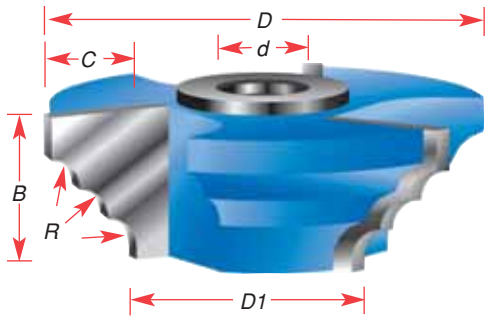
*Rub collar for 1/2" arbor only! **Rub collar for 3/4" arbor only! ***Rub collar for 1-1/4" arbor only!

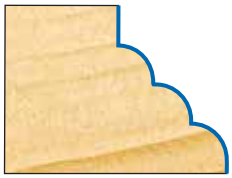
Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

For rub collars & bushings
See pages 280 - 282.

Shaper Cutters

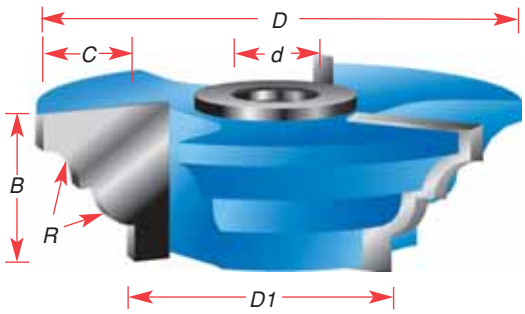
CORNER TRIPLE BEAD CUTTER

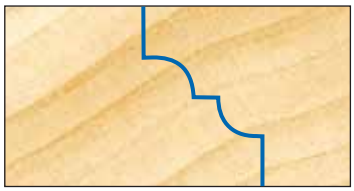




ØD	ØD1	B	Tool No.	C	R	Ød	Rub Collar
2-5/8	1-1/2	7/8	**SC624**	9/16	3/16	1/2 & 3/4	C-043**

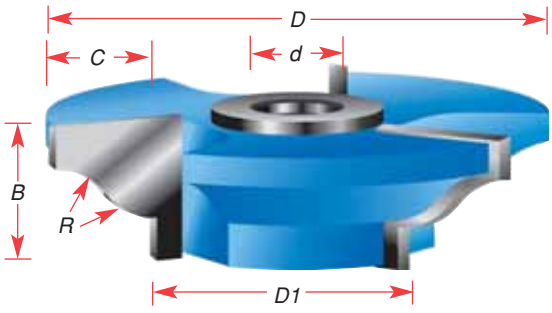
MATCHED / REVERSIBLE DETAIL BEAD & COVE CUTTER

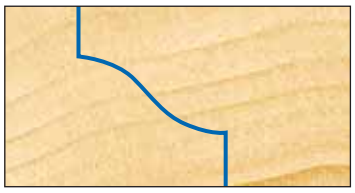




ØD	ØD1	B	Tool No.	C	R	Ød	Rub Collar
3	1-3/4	15/16	**SC646**	5/8	1/4	1/2 & 3/4	C-006**

MATCHED / REVERSIBLE CORNER BEAD CUTTER



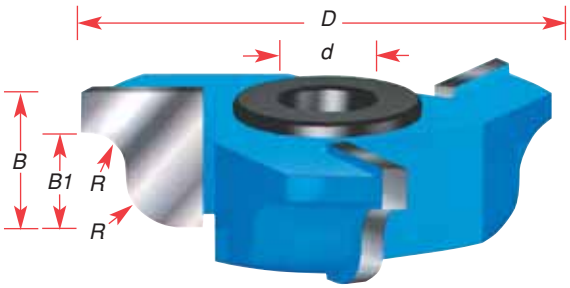


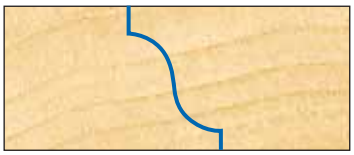
ØD	ØD1	B	Tool No.	C	R	Ød	Rub Collar
3-3/8	1-7/8	15/16	**SC648**	3/4	1/2	1/2 & 3/4	C-008**

For rub collars & bushings
See pages 280 - 282.

*Rub collar for 1/2" arbor only! **Rub collar for 3/4" arbor only! ***Rub collar for 1-1/4" arbor only!
Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

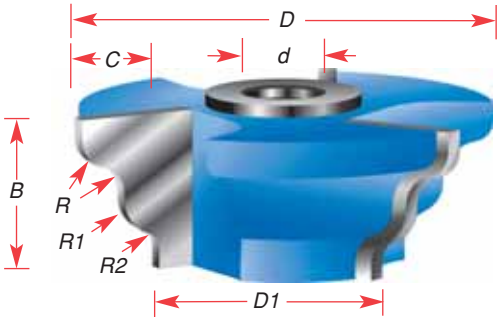
MATCHED / REVERSIBLE OGEE CUTTER





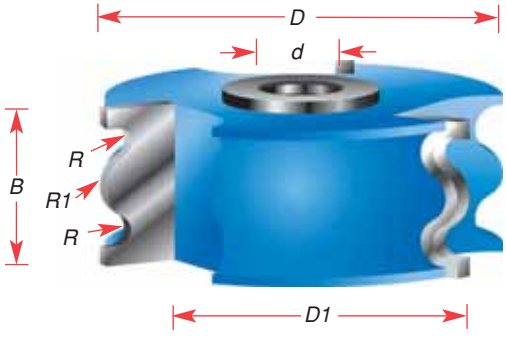
	ØD	B	B1	Tool No.	R	Ød	Rub Collar
	2-5/8	3/4	1/2	**906**	1/4	1/2 & 3/4	C-005**
New	3-1/8	3/4	1/2	**SC682**	1/4	1 & 1-1/4	C-051***

WAVE EDGE CUTTER



ØD	ØD1	B	C	Tool No.	R	R1	R2	Ød	Rub Collar
2-3/4	1-5/8	1	9/16	**SC626**	3/16	1/4	1/8	1/2 & 3/4	C-005**

ROUNDED FLUTE CUTTER

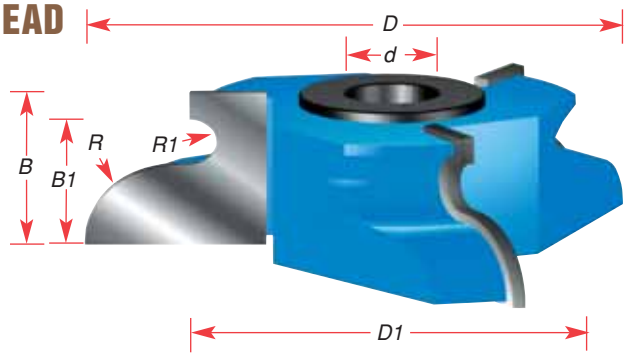


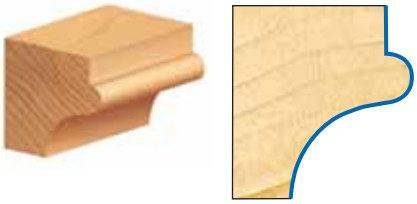
ØD	ØD1	B	Tool No.	R	R1	Ød	Rub Collar
2-5/8	2-5/16	1	**SC628**	3/32	7/32	1/2 & 3/4	C-013**

For rub collars & bushings
See pages 280 - 282.

*Rub collar for 1/2" arbor only! **Rub collar for 3/4" arbor only! ***Rub collar for 1-1/4" arbor only!
Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

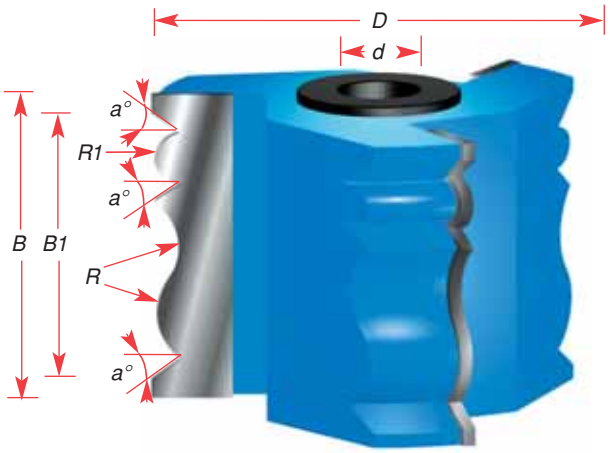
OGEE & BEAD CUTTER

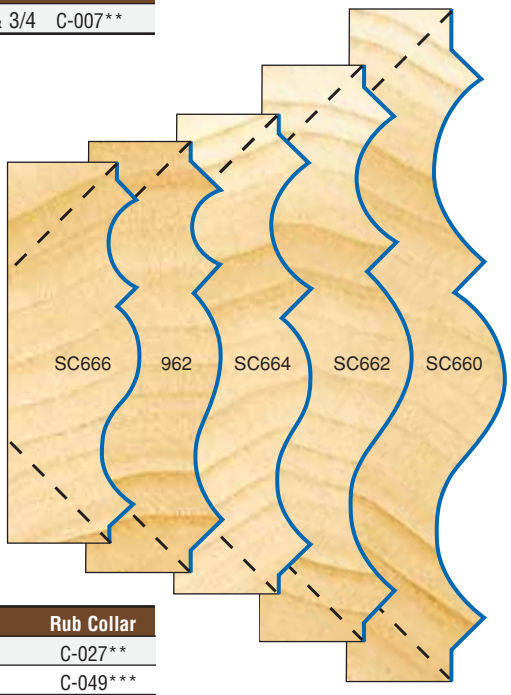




Description	ØD	ØD1	B	Tool No.	B1	R	R1	Ød	Rub Collar
Ogee & Bead Table Edge	3-1/4	2-1/8	1	**958**	3/4	1/8	1/2	1/2 & 3/4	C-007**

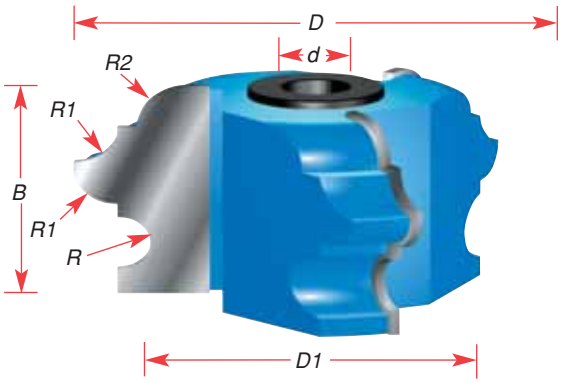
CROWN MOLDING CUTTER

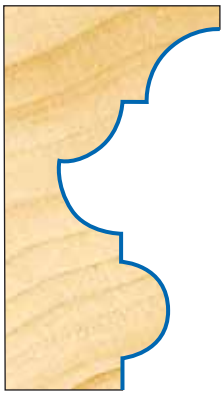




ØD	B	B1	a°	R	Tool No.	R1	Ød	Rub Collar
2-3/4	2-1/4	2	45°	1/2	**962**	3/16	1/2 & 3/4	C-027**
3-1/2	2	1-3/4	45°	11/32	**SC666**	1/4	1	C-049***
3-1/2	2-1/2	2-1/4	45°	13/32	**SC664**	11/32	1 & 1-1/4	C-048***
3-1/2	3	2-3/4	45°	17/32	**SC662**	11/32	1 & 1-1/4	C-047***
3-1/2	3-1/2	3-1/4	45°	9/16	**SC660**	1/2	1 & 1-1/4	C-046***

MULTI-FORM CUTTER





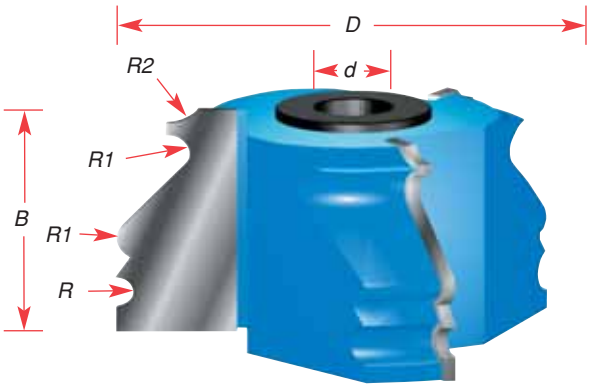
ØD	ØD1	B	R	Tool No.	R1	R2	Ød	Rub Collar
3-1/2	2-7/8	1-7/8	1/4	**965**	5/16	3/8	1/2 & 3/4	C-007**

For rub collars & bushings
See pages 280 - 282.

*Rub collar for 1/2" arbor only! **Rub collar for 3/4" arbor only! ***Rub collar for 1-1/4" arbor only!

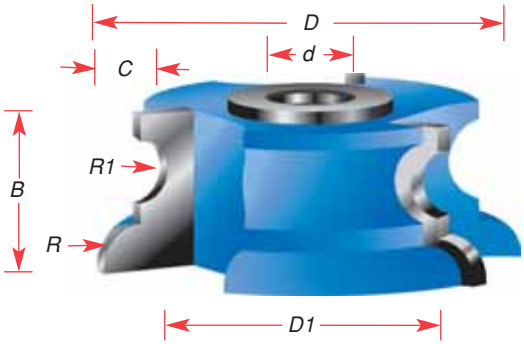
Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

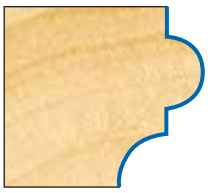
MOLDING CUTTER



ØD	B	R	Tool No.	R1	R2	Ød	Rub Collar
3	1-3/4	1/8	**966**	5/32	1/4	1/2 & 3/4	C-010**

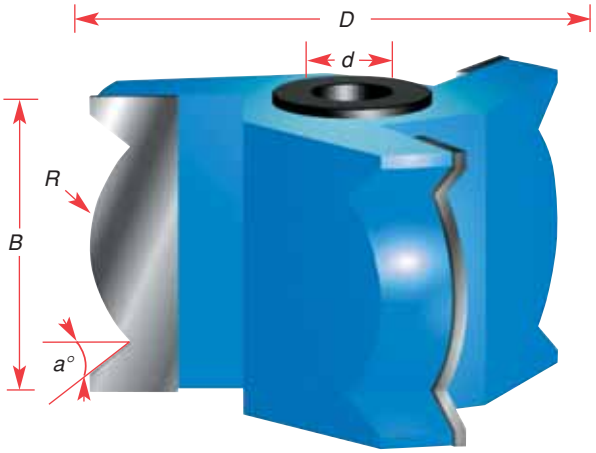
MOLDING CUTTER





ØD	ØD1	B	C	Tool No.	R	R1	Ød	Rub Collar
2-5/8	1-3/4	15/16	7/16	**SC630**	1/4	3/16	1/2 & 3/4	C-006**

CROWN MOLDING CUTTER



ØD	B	a°	Tool No.	R	Ød	Rub Collar
3-1/4	2-1/4	45°	**967**	1-1/4	1/2 & 3/4	C-030**

For rub collars & bushings
See pages 280 - 282.

Replacement 'T' bushing(s) #BU-550.

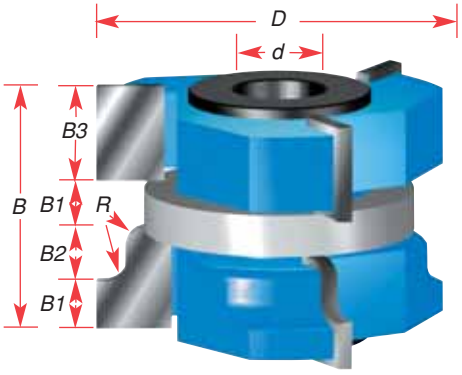
*Rub collar for 1/2" arbor only! **Rub collar for 3/4" arbor only! ***Rub collar for 1-1/4" arbor only!

Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

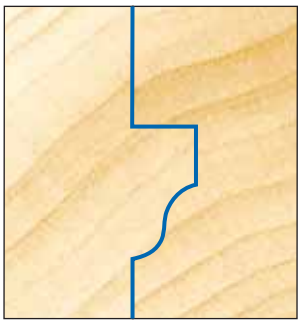
Shaper Cutters

WINDOW SASH CUTTER

WITH BALL BEARING RUB COLLAR



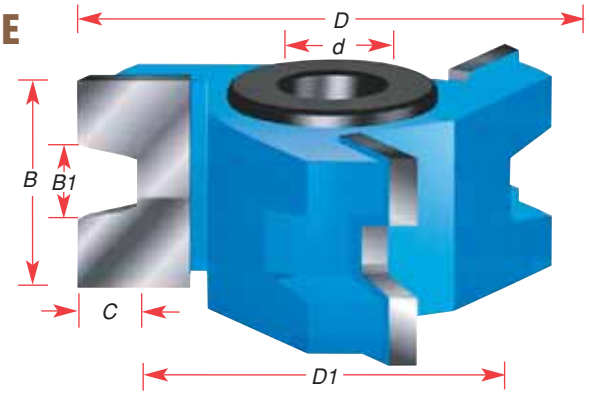
For this profile use bottom cutter and rub collar only.

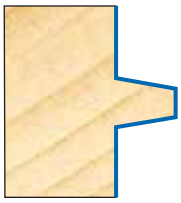


ØD	B	B1	Tool No.	B2	B3	R	Ød	Rub Collar
2	1-5/8	5/16	**939**	3/8	5/8	1/4	1/2 & 3/4	C-043**

JOINERY CUTTERS

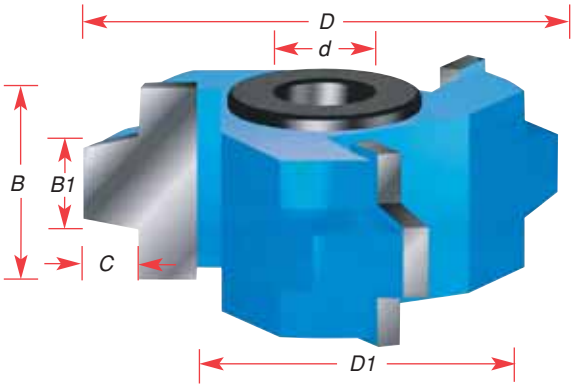
WEDGE TONGUE & GROOVE





SC606

ØD	ØD1	B	Tool No.	B1	C	Ød	Rub Collar
2	1-3/8	1	**SC606**	1/4	5/16	1/2	C-002*
2-5/8	2	15/16	**903**	11/32	–	1/2 & 3/4	C-010**



SC604

ØD	ØD1	B	Tool No.	B1	C	Ød	Rub Collar
2	1-3/8	1	**SC604**	1/4	5/16	1/2	C-002*
2-5/8	2	15/16	**904**	11/32	–	1/2 & 3/4	C-010**

Replacement 'T' bushing(s) #BU-550.

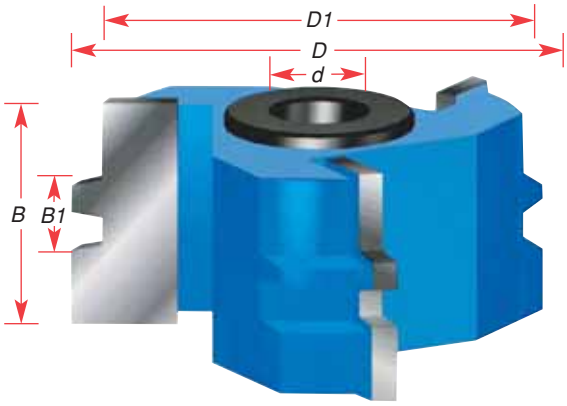
For rub collars & bushings See pages 280 - 282.

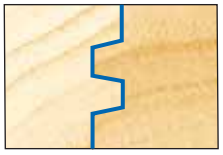
*Rub collar for 1/2" arbor only! **Rub collar for 3/4" arbor only! ***Rub collar for 1-1/4" arbor only!

Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

Shaper Cutters

GLUE JOINT

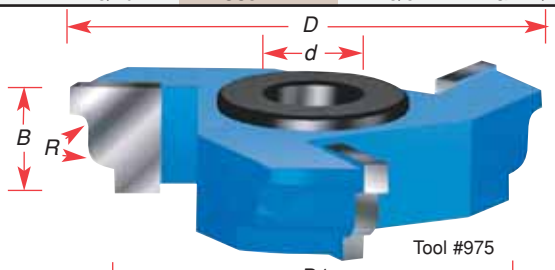




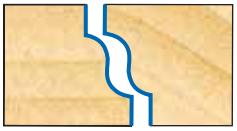
SC616

ØD	ØD1	B	Tool No.	B1	Ød	Rub Collar
2-5/8	2-5/16	3/4	**SC616**	–	1/2 & 3/4	C-014**
2-5/8	2-1/4	1-3/16	**911**	3/8	1/2 & 3/4	C-026**
2-13/16	2-1/2	1-3/16	**SC617**	3/8	1 & 1-1/4	C-017**

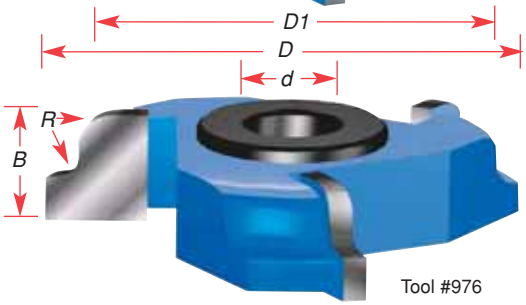
SASH



Tool #975



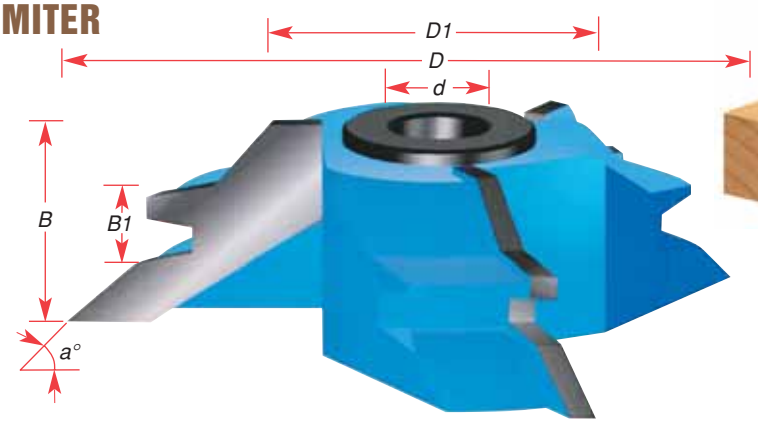
975 976

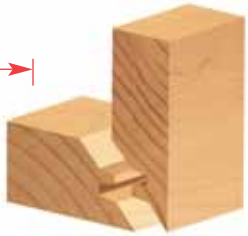


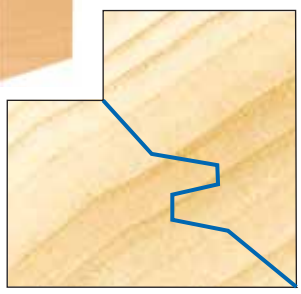
Tool #976

Description	ØD	ØD1	B	Tool No.	R	Ød	Rub Collar
Female Sash	2-5/8	2-1/8	5/8	**975**	1/8	1/2 & 3/4	C-024**
Male Sash	2-5/8	2-1/8	5/8	**976**	1/8	1/2 & 3/4	C-024**

LOCK MITER







ØD	ØD1	B	Tool No.	B1	a°	Ød	Rub Collar
3-3/4	2	1	**998**	3/8	45°	1/2 & 3/4	C-006**
4-17/32	2-31/64	1	**SC619**	3/8	45°	1 & 1-1/4	C-017***

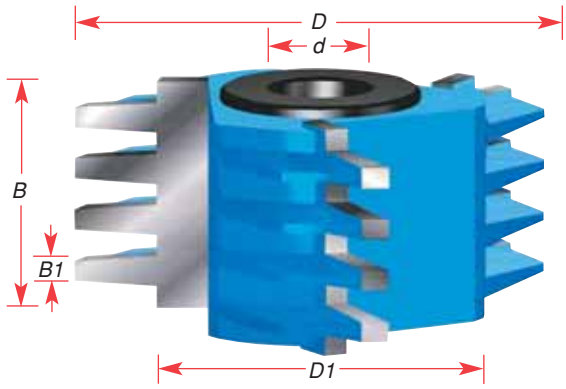
Replacement 'T' bushing(s) #BU-550.
*Rub collar for 1/2" arbor only! **Rub collar for 3/4" arbor only! ***Rub collar for 1-1/4" arbor only!

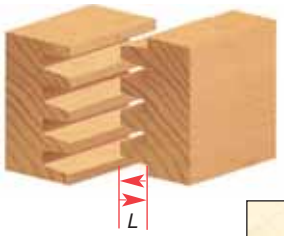
Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

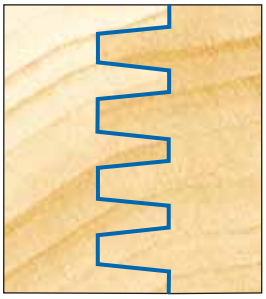
For rub collars & bushings
See pages 280 - 282.

Shaper Cutters

FINGER JOINT

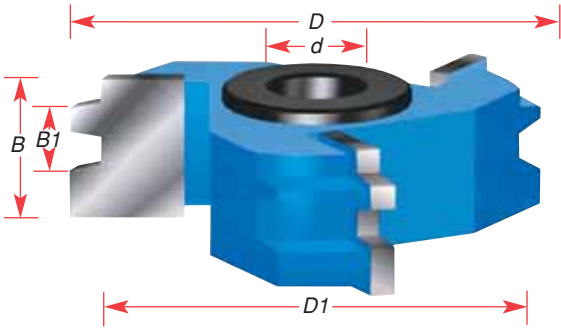


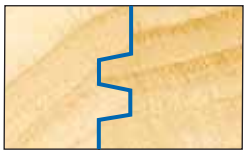




Description	ØD	ØD1	B	Tool No.	B1	L	Ød	Rub Collar
Finger Joint	2-7/8	2-1/8	1-1/2	**999**	13/64	3/8	1/2 & 3/4	C-011**

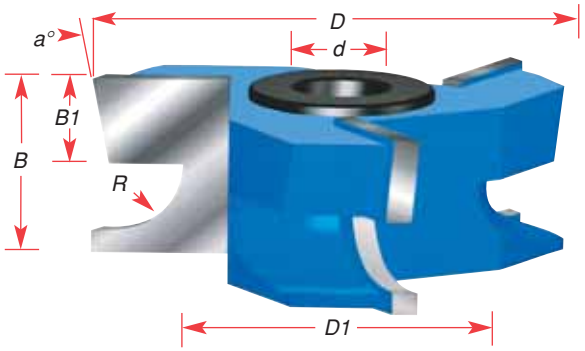
REVERSIBLE GLUE JOINT





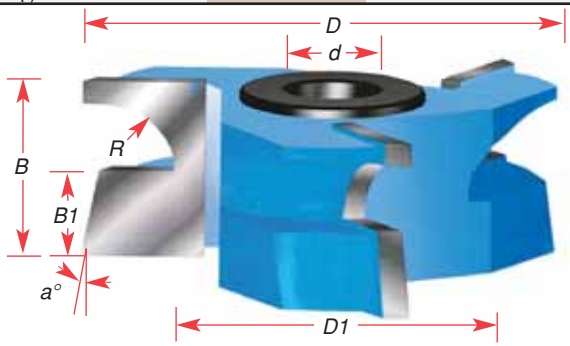
Description	ØD	ØD1	Tool No.	B	B1	Ød	Rub Collar
Reversible Glue Joint	2-5/8	2-3/8	**933**	3/4	11/32	1/2 & 3/4	C-014**

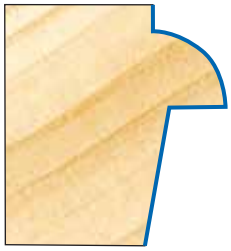
DOOR LIP



Description	ØD	ØD1	B	Tool No.	B1	R	a°	Ød	Rub Collar
Corner Round & Rabbet (counter-clockwise, rabbet up)	2-5/8	1-3/4	1-3/16	**900**	5/8	3/8	10°	1/2 & 3/4	C-006**

DOOR LIP





Description	ØD	ØD1	B	Tool No.	B1	R	a°	Ød	Rub Collar
Corner Round & Taper Rabbet (counter-clockwise, rabbet down)	2-5/8	1-3/4	1-1/4	**901**	11/16	3/8	10°	1/2 & 3/4	C-006**

For rub collars & bushings See pages 280 - 282.

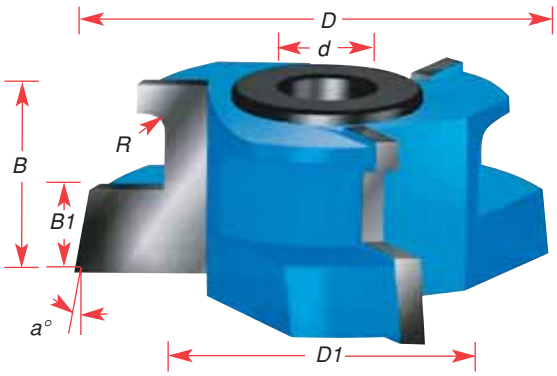
Replacement 'T' bushing(s) #BU-550.

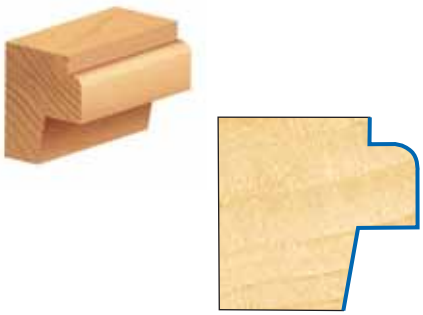
*Rub collar for 1/2" arbor only! **Rub collar for 3/4" arbor only! ***Rub collar for 1-1/4" arbor only!

Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.

For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

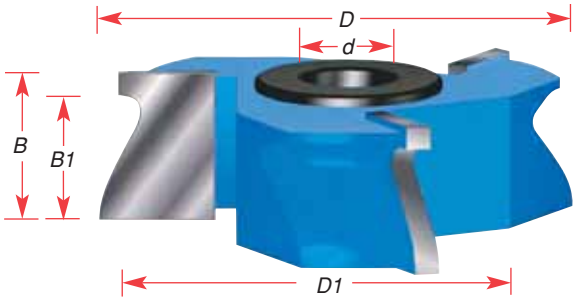
DOOR LIP

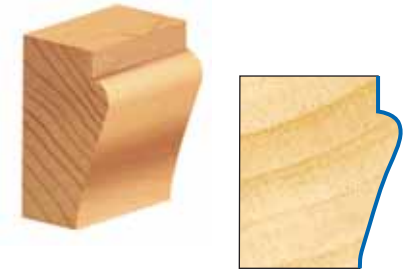




Description	ØD	ØD1	B	Tool No.	B1	R	a°	Ød	Rub Collar
Corner Round & Taper Rabbet (counter-clockwise, rabbet down)	2-5/8	2	1	**991**	7/16	1/8	10°	1/2 & 3/4	C-006**

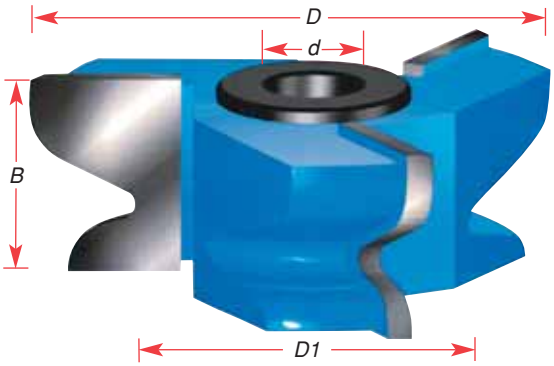
DOOR LIP

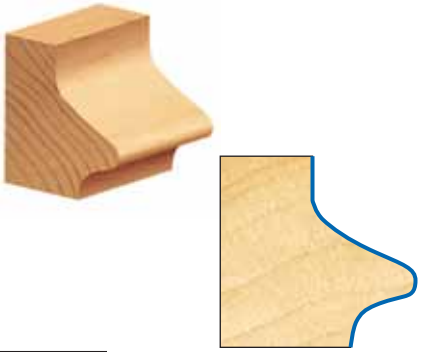




Description	ØD	ØD1	Tool No.	B	B1	Ød	Rub Collar
Corner Round & Ogee	2-5/8	2-1/4	**992**	1	13/16	1/2 & 3/4	C-023**

DOOR LIP





Description	ØD	ØD1	Tool No.	B	Ød	Rub Collar
Ogee & Cove	2-5/8	1-1/2	**993**	1	1/2 & 3/4	47806**

For rub collars & bushings
See pages 280 - 282.

*Rub collar for 1/2" arbor only! **Rub collar for 3/4" arbor only! ***Rub collar for 1-1/4" arbor only!
Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
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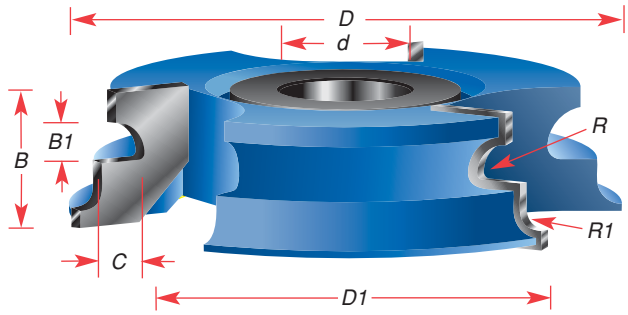
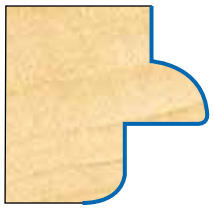
Shaper Cutters

DOOR LIP

New

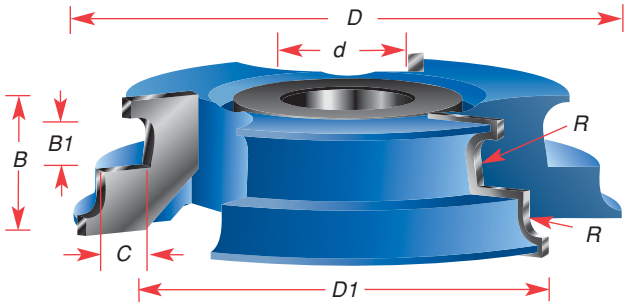


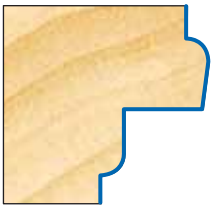


Description	ØD	ØD1	B	B1	Tool No.	C	R	R1	Ød	Rub Collar
Ogee & Cove	4-5/16	3-1/8	1-1/32	9/32	**SC462**	3/8	1/4	1/8	1 & 1-1/4	C-049***

DOOR LIP

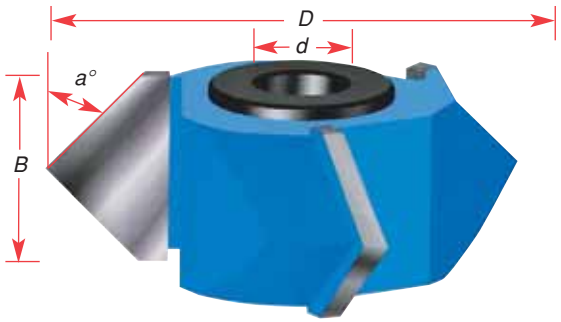
New





Description	ØD	ØD1	B	B1	Tool No.	C	R	Ød	Rub Collar
Ogee & Cove	4-5/16	3-1/8	1-1/32	3/8	**SC464**	13/32	1/8	1 & 1-1/4	C-048***

90° 'V' GROOVE



Description	ØD	B	Tool No.	a°	Ød	Rub Collar
90° 'V' Groove	2-5/8	15/16	**957**	45°	1/2 & 3/4	47810**

For rub collars & bushings
See pages 280 - 282.

Replacement 'T' bushing(s) #BU-550.

*Rub collar for 1/2" arbor only! **Rub collar for 3/4" arbor only! ***Rub collar for 1-1/4" arbor only!
Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
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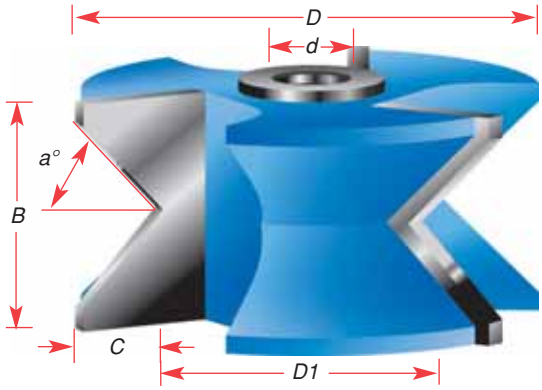
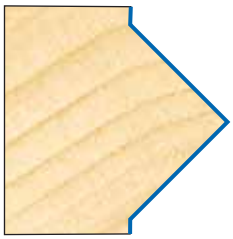
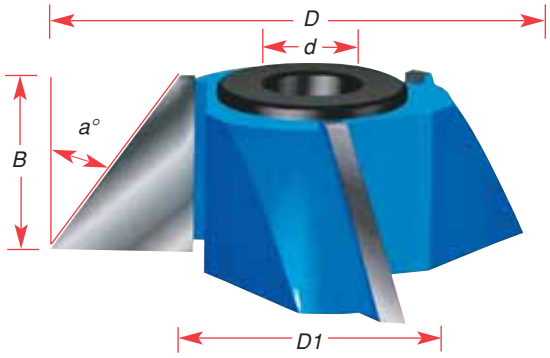
BEVEL

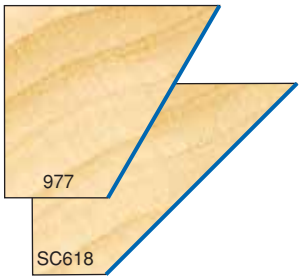




Description	ØD	ØD1	B	Tool No.	a°	C	Ød	Rub Collar
90° Double Bevel	2-5/8	1-11/16	1-3/16	**SC638**	45°	1/2	1/2 & 3/4	C-005**

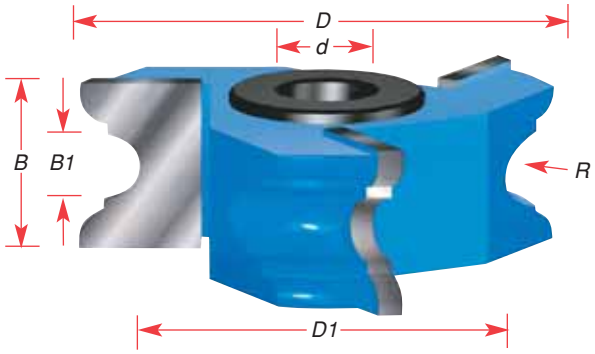
BEVEL

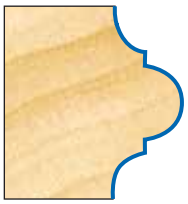




Description	ØD	ØD1	B	Tool No.	a°	Ød	Rub Collar
30° Bevel	2-5/8	1-3/8	1	**977**	30°	1/2 & 3/4	C-044**
45° Bevel	3-1/2	1-1/2	1	**SC618**	45°	1/2 & 3/4	C-011**

CLASSICAL





ØD	ØD1	B	Tool No.	B1	R	Ød	Rub Collar
2-5/8	2	1	**964**	3/8	3/16	1/2 & 3/4	C-004**

For rub collars & bushings
See pages 280 - 282.

*Rub collar for 1/2" arbor only! **Rub collar for 3/4" arbor only! ***Rub collar for 1-1/4" arbor only!
Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
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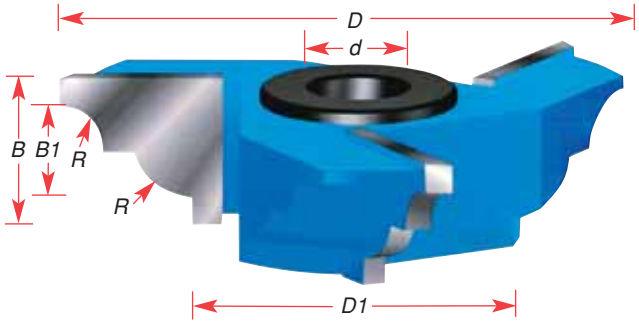
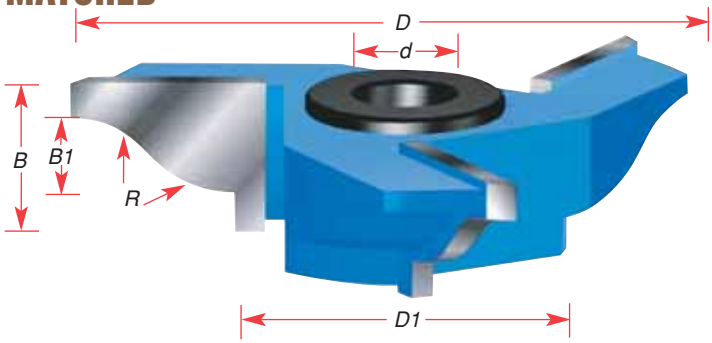
Shaper Cutters

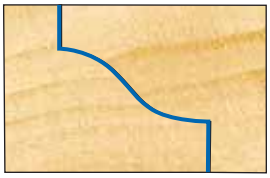
REVERSIBLE / MATCHED COVE & BEAD



ØD	ØD1	B	B1	Tool No.	R	Ød	Rub Collar
3	1-3/4	3/4	1/2	**968**	15/64	1/2 & 3/4	C-006**

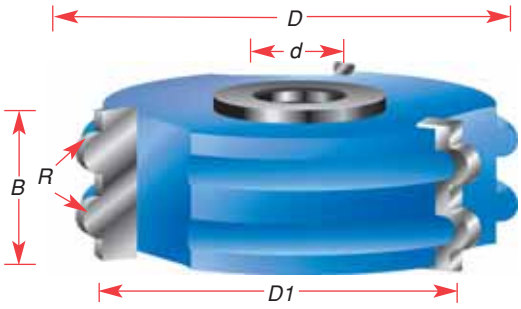
REVERSIBLE / MATCHED OGEE





ØD	ØD1	B	B1	Tool No.	R	Ød	Rub Collar
3-1/4	1-3/4	7/8	3/8	**969**	1/2	1/2 & 3/4	C-006**

DOUBLE FLUTE COVE



ØD	ØD1	B	Tool No.	R	Ød	Rub Collar
2-5/8	2-3/8	7/8	**SC620**	1/8	1/2 & 3/4	C-015**

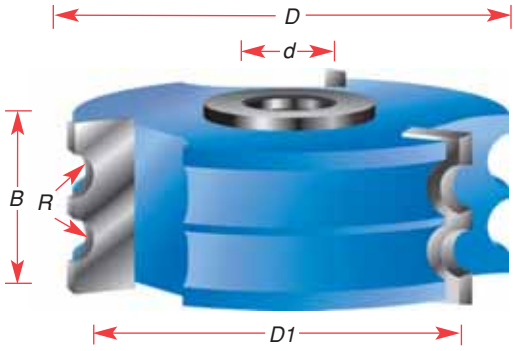
Replacement 'T' bushing(s) #BU-550.

For rub collars & bushings
See pages 280 - 282.

*Rub collar for 1/2" arbor only! **Rub collar for 3/4" arbor only! ***Rub collar for 1-1/4" arbor only!
Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

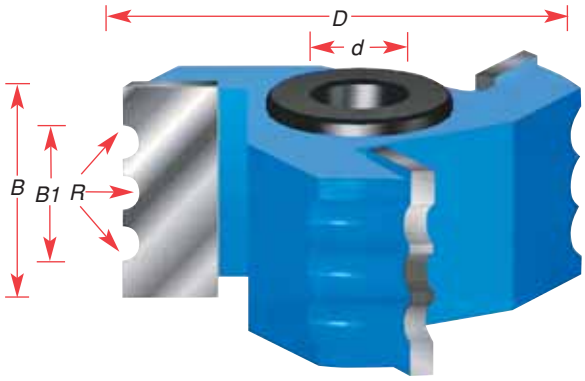
Amana Tool®

DOUBLE FLUTE BEAD



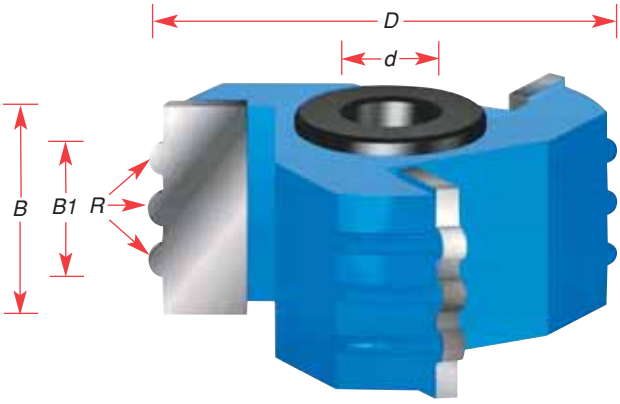
ØD	ØD1	B	Tool No.	R	Ød	Rub Collar
2-5/8	2-3/8	1	**SC622**	1/8	1/2 & 3/4	C-015**

3 WING TRIPLE BEAD CUTTER



ØD	B	B1	Tool No.	R	Ød	Rub Collar
2-5/8	1	5/8	**960**	5/64	1/2 & 3/4	C-015**, C-028**

TRIPLE FLUTING CUTTER



ØD	B	B1	Tool No.	R	Ød	Rub Collar
2-5/8	1	5/8	**961**	5/64	1/2 & 3/4	C-015**, C-028**

For rub collars & bushings
See pages 280 - 282.

Replacement 'T' bushing(s) #BU-550.

*Rub collar for 1/2" arbor only! **Rub collar for 3/4" arbor only! ***Rub collar for 1-1/4" arbor only!
Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
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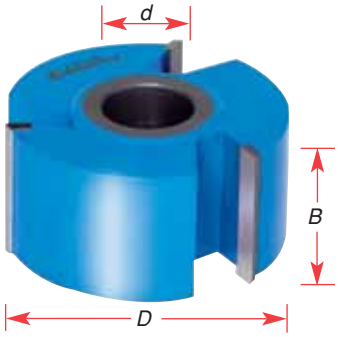
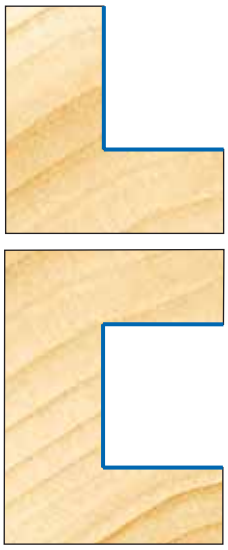
Shaper Cutters

HEAVY-DUTY CARBIDE-TIPPED SHAPER CUTTERS

3 WING

STRAIGHT EDGE

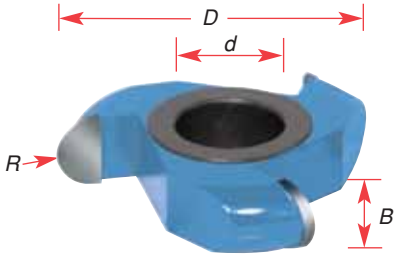




ØD	B	Tool No.	Ød
4	1/4	A-27-100	1-1/4
4	3/8	A-27-102	1-1/4
4	1/2	A-27-104	1-1/4
4	3/4	A-27-106	1-1/4
4	1	A-27-108	1-1/4
4	1-1/4	A-27-110	1-1/4
4	1-1/2	A-27-112	1-1/4
4	1-3/4	A-27-114	1-1/4
4	2	A-27-116	1-1/4

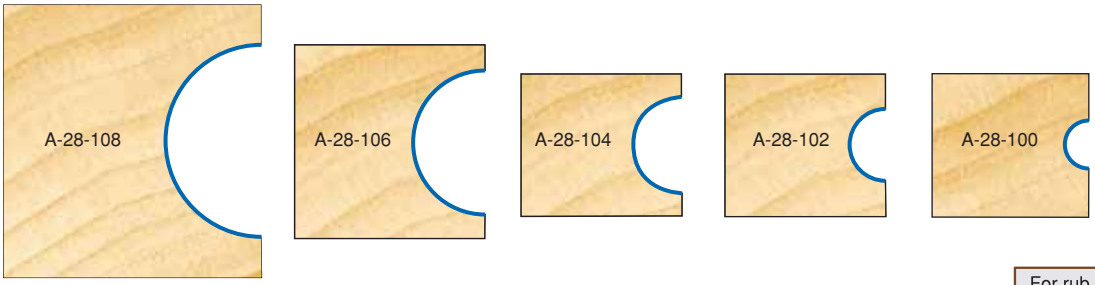
NOTE:
For additional sizes
please see page 216

HEAVY DUTY FLUTE (CONVEX)



ØD	R	Tool No.	B	Ød	Rub Collar
4	1/8	A-28-100	1/4	1-1/4	C-038
4	3/16	A-28-102	3/8	1-1/4	C-037
4	1/4	A-28-104	1/2	1-1/4	C-035
4	3/8	A-28-106	3/4	1-1/4	C-033
4	1/2	A-28-108	1	1-1/4	C-032

NOTE:
For additional sizes
please see page 219



For rub collars & bushings
See pages 280 - 282.

*Rub collar for 1/2" arbor only! **Rub collar for 3/4" arbor only! ***Rub collar for 1-1/4" arbor only!
Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
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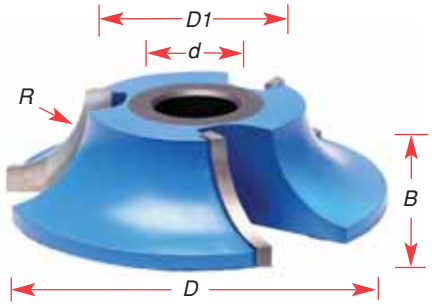
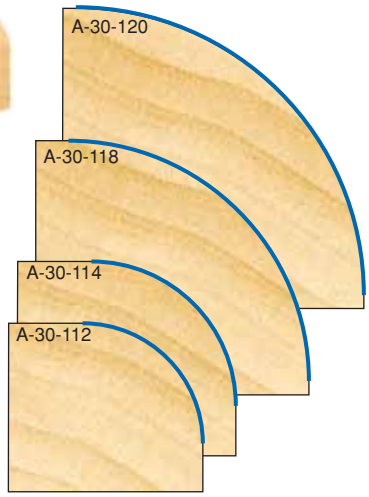
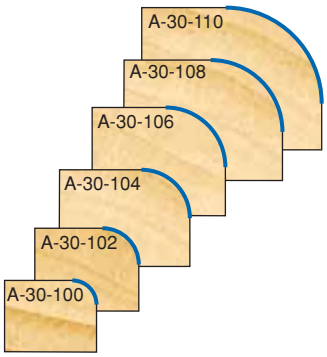
CORNER ROUND



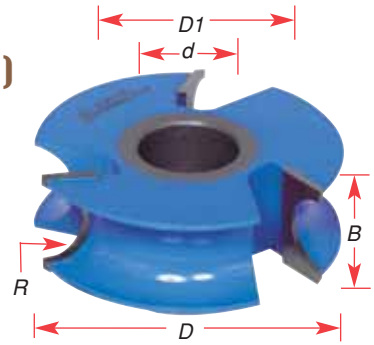
Counter-clockwise rotation: Wood face-down



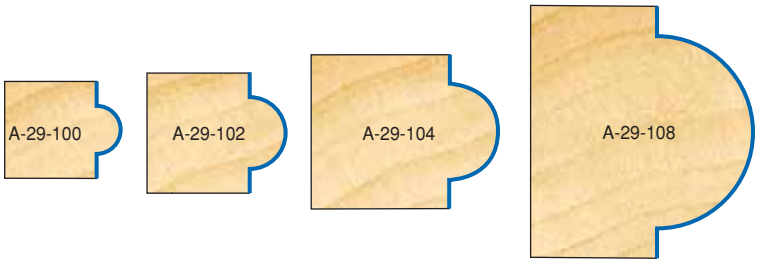


ØD	ØD1	R	Tool No.	B	Ød	Rub Collar
4	3-3/4	1/8	**A-30-100**	3/8	1-1/4	C-038
4	3-5/8	3/16	**A-30-102**	7/16	1-1/4	C-037
4	3-1/2	1/4	**A-30-104**	1/2	1-1/4	C-035
4	3-3/8	5/16	**A-30-106**	9/16	1-1/4	C-034
4	3-1/4	3/8	**A-30-108**	5/8	1-1/4	C-033
4	3	1/2	**A-30-110**	3/4	1-1/4	C-032
4	2-3/4	5/8	**A-30-112**	7/8	1-1/4	C-031
4	2-1/2	3/4	**A-30-114**	1	1-1/4	C-017
4-1/2	2-1/2	1	**A-30-116**	1-1/4	1-1/4	C-017
4-1/2	2-1/2	1-1/4	**A-30-118**	1-1/2	1-1/4	C-017
5-1/2	2-1/2	1-1/2	**A-30-120**	1-3/4	1-1/4	C-017

HEAVY DUTY BEAD (BULL NOSE)



ØD	ØD1	R	B	Tool No.	B1	Ød	Rub Collar
4	3-3/4	1/8	1/2	**A-29-100**	1/4	1-1/4	C-038
4	3-5/8	3/16	5/8	**A-29-102**	3/8	1-1/4	C-037
4	3-1/2	1/4	13/16	**A-29-104**	1/2	1-1/4	C-035
4	3-1/4	3/8	1-1/8	**A-29-106**	3/4	1-1/4	C-033
4	3	1/2	1-5/16	**A-29-108**	1	1-1/4	C-032



NOTE:
For additional sizes please see page 219

For rub collars & bushings
See pages 280 - 282.

*Rub collar for 1/2" arbor only! **Rub collar for 3/4" arbor only! ***Rub collar for 1-1/4" arbor only!
Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
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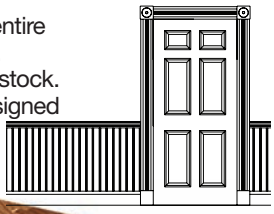
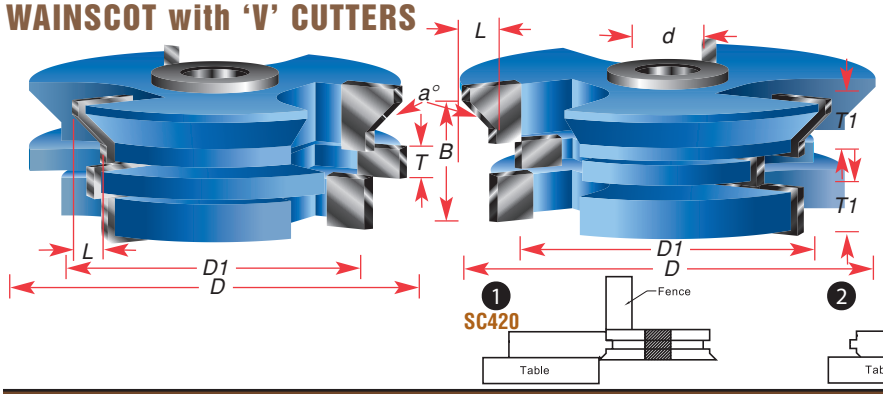
New

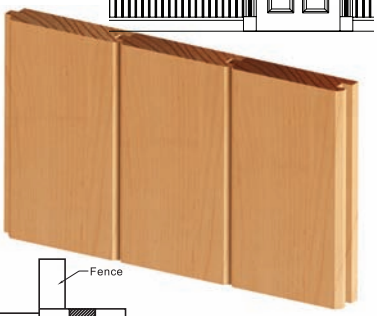
WAINSCOT/PANELING CUTTERS BY *Lonnie Bird* FOR 3/4" MATERIAL

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 three styles of profiles to choose from. The first, wainscot with a vee, provides a simple forty-five degree vee profile along the edges of the stock. The other two sets create a 5/16" diameter bead along the edges of the stock. All three sets are designed for 3/4" thick stock and create an interlocking 1/4" tongue-and-groove joint for ease of assembly.

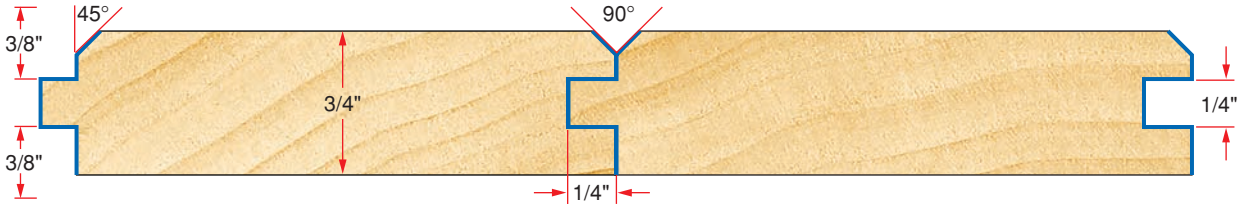


WAINSCOT with 'V' CUTTERS

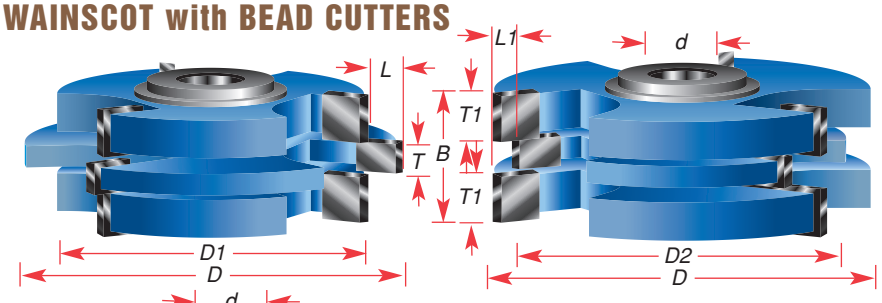


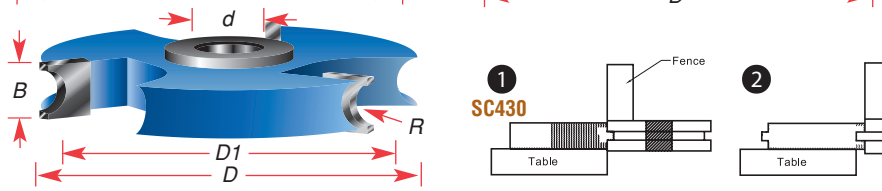


ØD	ØD1	B	a°	Tool No.	T	T1	L	Ød	Rub Collar
3-1/2	3	1	45°	SC420 (SET)	1/4	3/8	1/4	1/2 & 3/4	C-017**

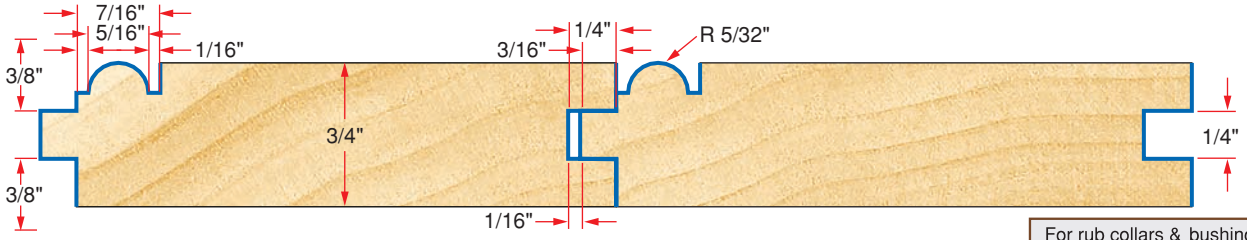


WAINSCOT with BEAD CUTTERS





ØD	ØD1	ØD2	B	Tool No.	T	T1	R	L	L1	Ød	Rub Collar
3	2-1/2	2-5/8	1	SC430 (SET)	1/4	3/8	—	1/4	3/16	1/2 & 3/4	47822**
3	2-11/16	—	7/16	SC424	1/16	5/16	5/32	—	—	1/2 & 3/4	C-019**



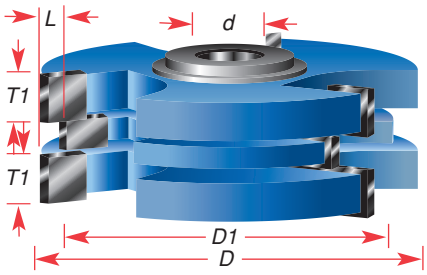
For rub collars & bushings
See pages 280 - 282.

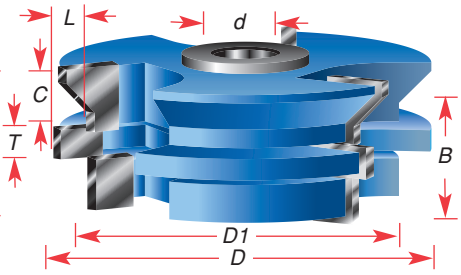
*Rub collar for 1/2" arbor only! **Rub collar for 3/4" arbor only! ***Rub collar for 1-1/4" arbor only!
Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

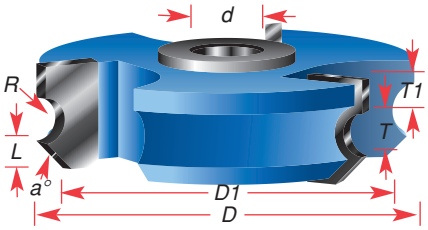
New

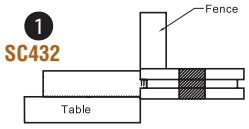
WAINSCOT /PANELING CUTTERS BY *Lonnie Bird* FOR 3/4" MATERIAL

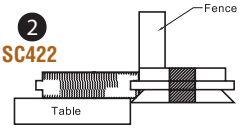
WAINSCOT with 'V' & BEAD CUTTERS

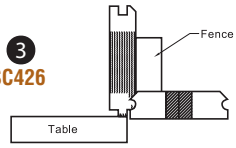




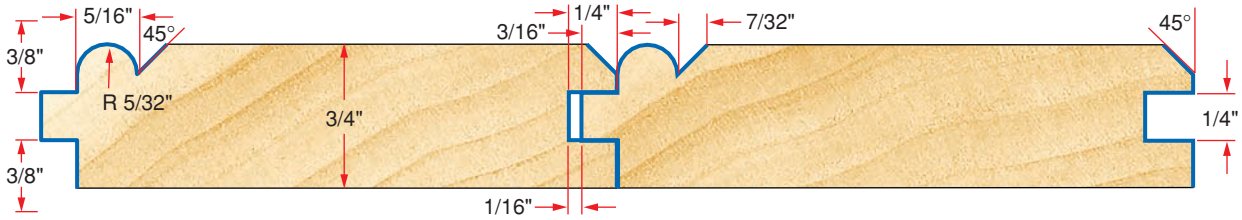








ØD	ØD1	B	a°	Tool No.	T	T1	R	L	Ød	Rub Collar
3	2-5/8	1	—	**SC432**	1/4	3/8	—	3/16	1/2 & 3/4	47822**
3	2-1/2	1	45°	**SC422**	3/8	1/4	—	1/4	1/2 & 3/4	C-017**
2-13/16	2-3/8	25/32	45°	**SC426**	5/16	1/4	5/32	7/32	1/2 & 3/4	C-017**



For rub collars & bushings
See pages 280 - 282.

*Rub collar for 1/2" arbor only! **Rub collar for 3/4" arbor only! ***Rub collar for 1-1/4" arbor only!
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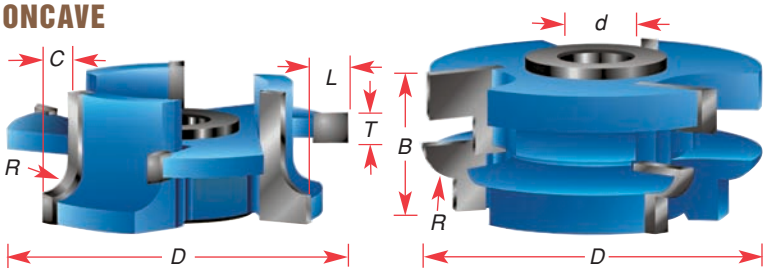
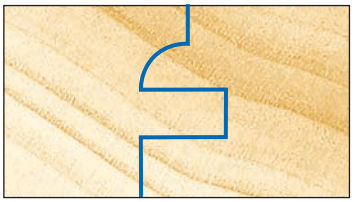
Shaper Cutters

3 WING STILE & RAIL CABINET DOOR CUTTER SETS FOR 3/4" MATERIAL

These Stile & Rail sets are great for making cabinet doors.

CONCAVE

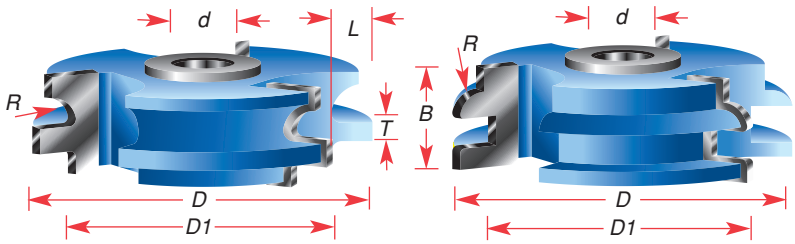


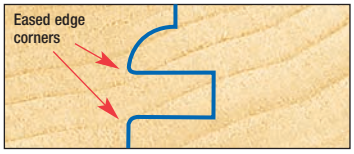


ØD	C	B	T	L	Tool No.	R	Ød	Rub Collar
2-7/16	1/4	1	1/4	7/16	SC440	1/4	1/2 & 3/4	C-009**
3-9/16	1/4	1	1/4	7/16	SC540	1/4	1 & 1-1/4	C-019, C-021***

3 WING STILE & RAIL EASED EDGE SET

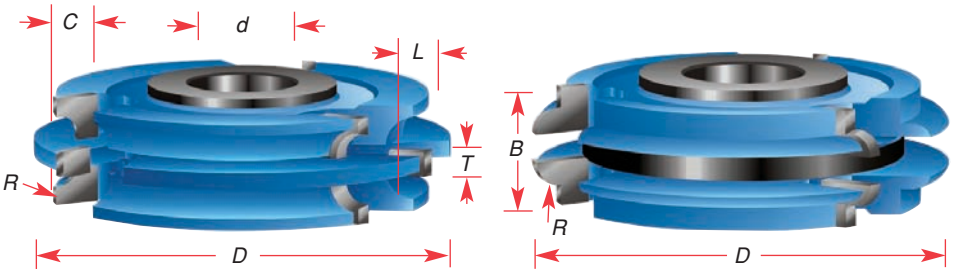
New

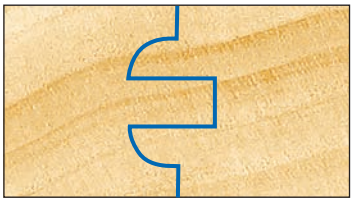




ØD	ØD1	B	T	L	Tool No.	R	Ød	Rub Collar
3	2-9/32	3/4	1/4	11/32	SC441	1/4	1/2 & 3/4	C-014**

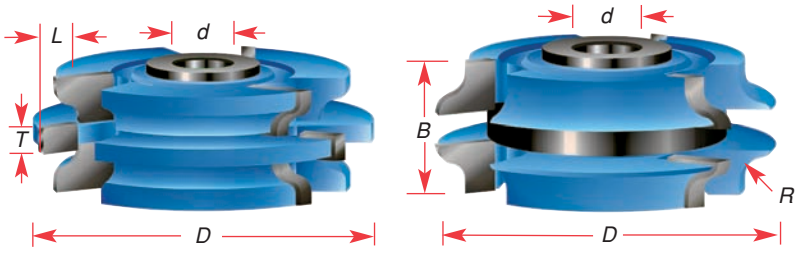
CONCAVE

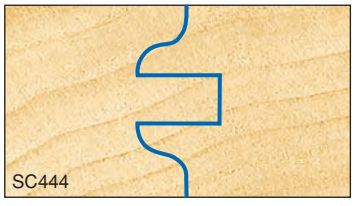




ØD	C	B	T	L	Tool No.	R	Ød	Rub Collar
3-9/16	1/4	1	1/4	7/16	SC550	13/64	1 & 1-1/4	C-019, C-021***

OGEE





ØD	B	T	L	Tool No.	R	Ød	Rub Collar
2-11/16	1	1/4	7/16	SC444	1/8	1/2 & 3/4	C-007, C-012**
3-9/16	1-1/16	1/4	7/16	SC544	1/8	1 & 1-1/4	C-019, C-021***

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Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
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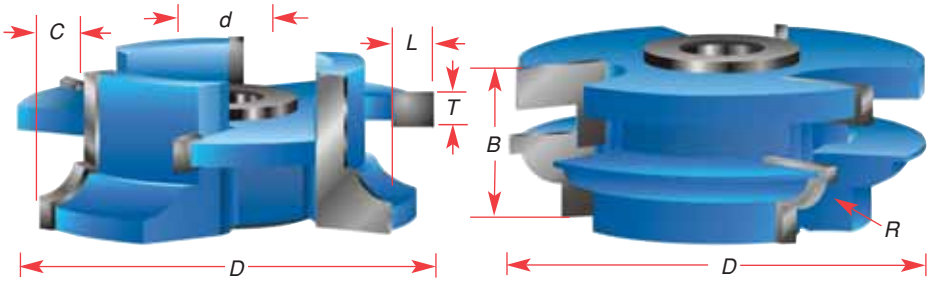
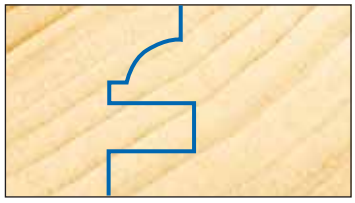
STILE & RAIL CABINET DOOR CUTTER SETS FOR 3/4" MATERIAL

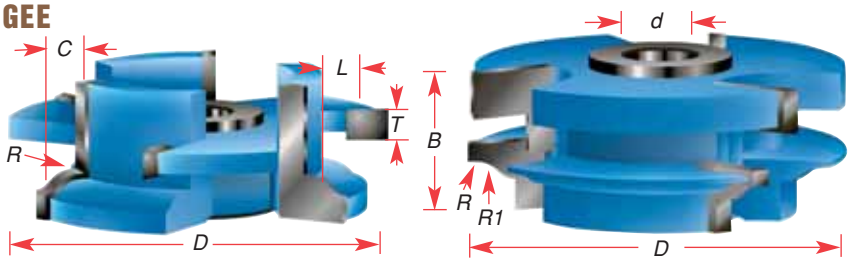
BEAD

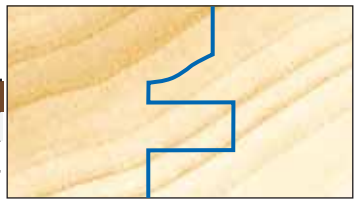




ØD	C	B	T	L	Tool No.	R	Ød	Rub Collar
2-11/16	3/8	1	1/4	7/16	SC446	9/32	1/2 & 3/4	C-007, C-010**
3-9/16	3/8	1	1/4	7/16	SC546	9/32	1 & 1-1/4	C-019, C-020***

OGEE



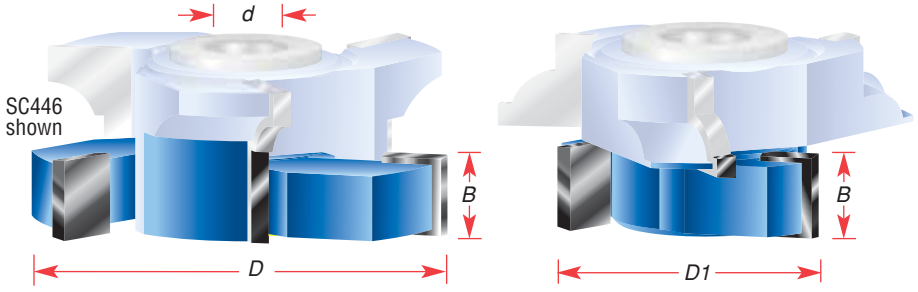


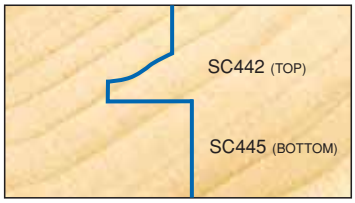
ØD	C	B	T	L	Tool No.	R	R1	Ød	Rub Collar
2-11/16	3/8	1	1/4	7/16	SC442	5/16	3/16	1/2 & 3/4	C-007, C-010**
3-9/16	3/8	15/16	1/4	7/16	SC542	1/4	3/16	1 & 1-1/4	C-019, C-020***

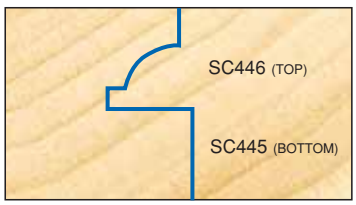
GLASS DOOR & MULLION FOR SC442 AND SC446

New

Used in conjuction with cutter SC442 and SC446 to make rabbets for the back of doors for glass door panels or mullions. Glass must be secured later on in place with moulding.

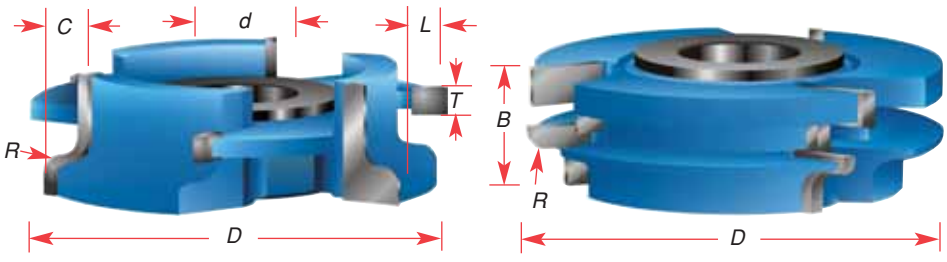


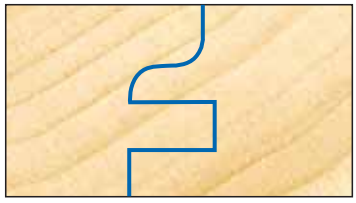




ØD	ØD1	Tool No.	B	Ød
2-7/8	1-13/16	SC445	1/2	3/4

OGEE





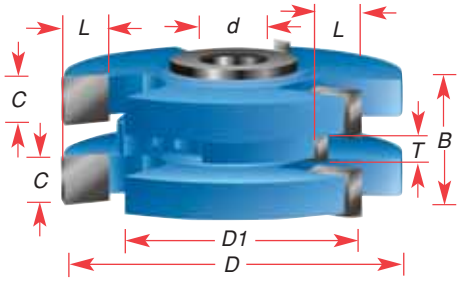
ØD	C	B	T	L	Tool No.	R	Ød	Rub Collar
3-9/16	3/8	1	1/4	7/16	SC548	9/64	1 & 1-1/4	C-019, C-020***

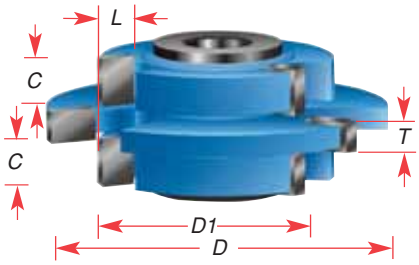
*Rub collar for 1/2" arbor only! **Rub collar for 3/4" arbor only! ***Rub collar for 1-1/4" arbor only!
Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

Shaper Cutters

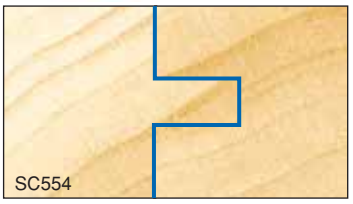
TONGUE & GROOVE CABINET DOOR CUTTER SET

MISSION STYLE - SHAKER AND ARTS & CRAFTS





ØD	ØD1	B	C	T	L	Tool No.	Ød	Rub Collar	For Material
2-3/4	1-7/8	1	3/8	1/4	7/16	**SC554**	1/2 & 3/4	C-008**	1
3-3/8	2-1/2	1-1/8	7/16	1/4	7/16	**SC556**	1 & 1-1/4	C-017***	1-1/8
New 2-3/4	1-7/8	1-3/4	11/16	3/8	7/16	**SC558**	1/2 & 3/4	C-008**	1-1/2 & 1-3/4
New 3-1/4	2-3/8	1-3/4	11/16	3/8	7/16	**SC557**	1 & 1-1/4	C-041***	1-1/2 & 1-3/4
New 3-1/2	2-1/2	2-1/8	13/16	1/2	1/2	**SC559**	1 & 1-1/4	C-017***	1-7/8 & 2-1/8



instile™ & RAIL SYSTEM

ADJUSTABLE TONGUE & GROOVE CABINET DOOR CUTTER SET

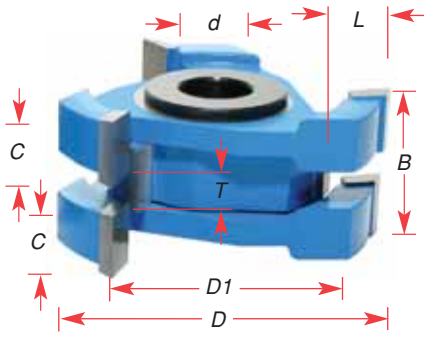
5/8" & 1-1/4" MATERIAL

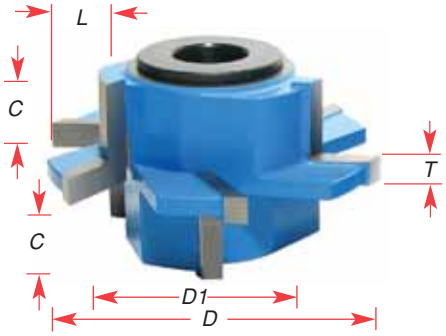
MISSION STYLE SHAKER AND ARTS & CRAFTS

New

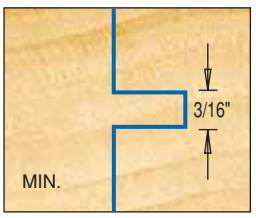
FLAT PANEL CABINET DOOR MAKING SET

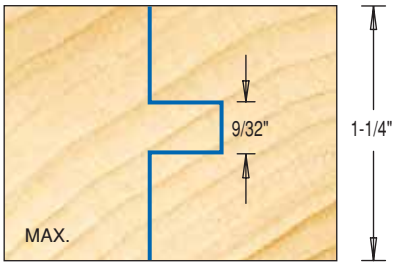
- Designed to cut precise grooves to provide undersized plywood veneered panels with a snug rattle free fit.
- Adjust the panel groove width 3/16" to 9/32" for 1/4" plywood.
- 5.5mm for undersized 1/4" plywood and 5.9mm for oversized 1/4" veneered plywood.





ØD	ØD1	B	C	Tool No.	T	L	Ød	Rub Collar
2-3/8	1-5/8	1-1/4	7/16	**SC555**	3/16 to 9/32	3/8	1/2 & 3/4	C-005**



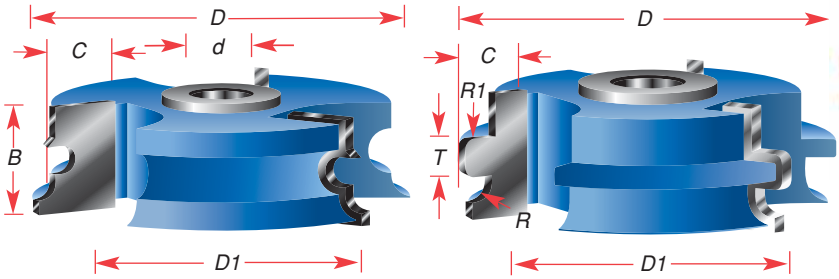


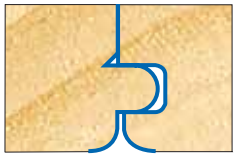
*Rub collar for 1/2" arbor only! **Rub collar for 3/4" arbor only! ***Rub collar for 1-1/4" arbor only!
Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

Amana Tool®

FLOORING SET WITH NAIL SLOT FOR 5/8"- 3/4" MATERIAL

New

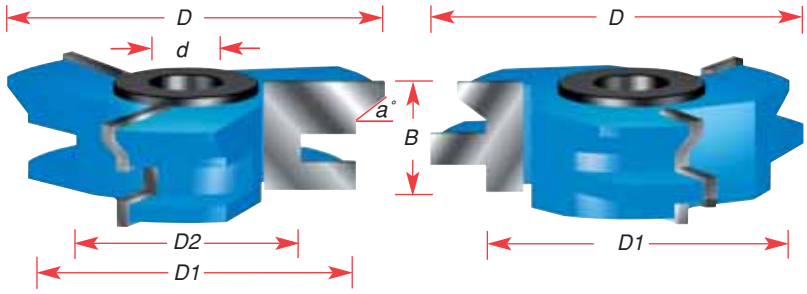


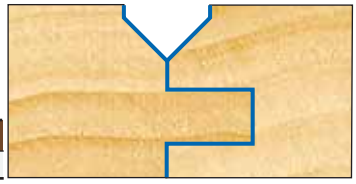


ØD	ØD1	B	T	Tool No.	R	R1	Ød	Rub Collar
3-1/4	2-5/16	7/8	1/4	**SC450**	1/8	1/16	1/2 & 3/4	C-029, C-014

'V' PANELING 2 PIECE CUTTER SETS

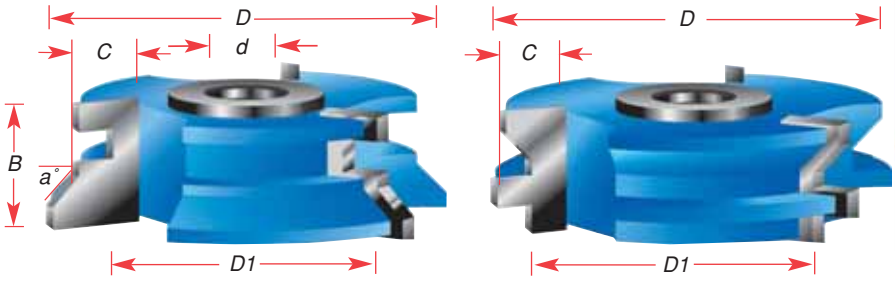
'V' PANELING 2 PIECE SET WITH 1/4"W X 3/8"D TONGUE & GROOVE



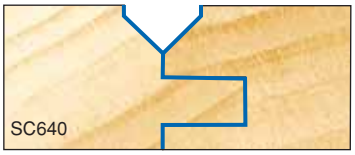


ØD	ØD1	ØD2	Tool No.	B	a°	Ød	Rub Collar
2-5/8	2-1/4	1-1/2	**938**	29/32	45°	1/2 & 3/4	C-008**

1/2 'V' PANELING CUTTER SET



ØD	ØD1	B	C	a°	Tool No.	Ød	Rub Collar	For Material
2-5/8	1-1/8	3/4	7/16	45°	**SC640**	1/2 & 3/4	C-006, C-011**	1/2
2-3/4	2	1	5/8	45°	**SC642**	1/2 & 3/4	C-010, C-043*	3/4
2-3/4	2	1-3/16	5/8	45°	**SC644**	1/2 & 3/4	C-010**	1

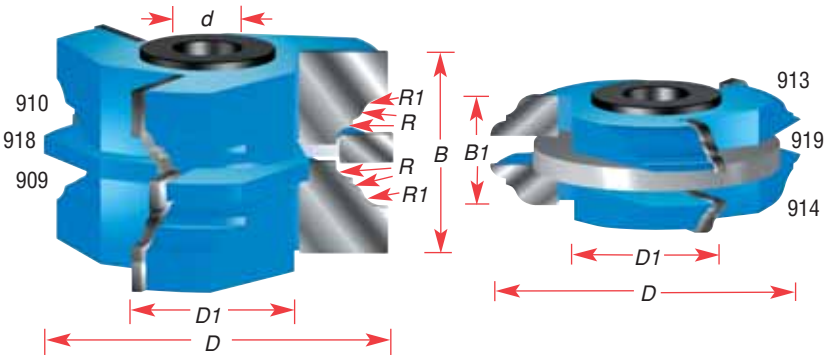


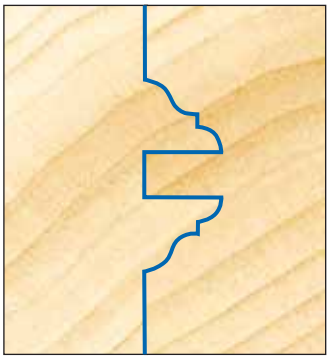
*Rub collar for 1/2" arbor only! **Rub collar for 3/4" arbor only! ***Rub collar for 1-1/4" arbor only!
Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

STILE & RAIL CABINET DOOR CUTTER SETS FOR 1"-1-3/4" MATERIAL

3/4" BORE WITH 1/2" BUSHINGS 3-WING

CABINET MOLDING SET
WITH 1/4"W X 3/8"D TONGUE & GROOVE

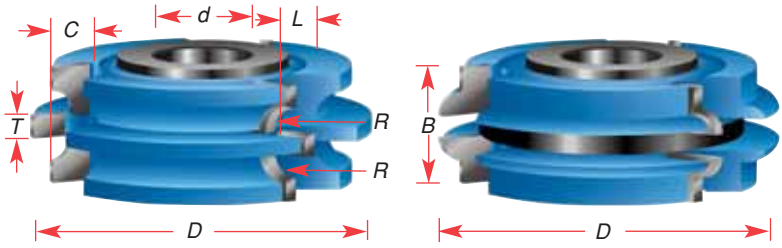


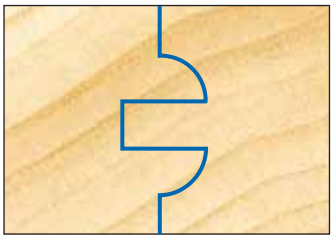


ØD	ØD1	B	B1	Tool No.	R	R1	Ød	Rub Collar
2-5/8	1-7/8	1-13/16	1	**921**	1/8	5/32	1/2 & 3/4	C-008**

Includes:	
909	Cabinet R.H. female
910	Cabinet L.H. female
913	Cabinet L.H. male
914	Cabinet R.H. male
918	1/4" Straight
919	Steel spacer
BU-550	'T' bushing, 1/2" x 3/4" (4 pcs.)
BU-900	Sleeve bushing, 1/2" x 3/4" x 1/2" long
BU-930	Sleeve bushing, 1/2" x 3/4" x 1-1/8" long

CONCAVE



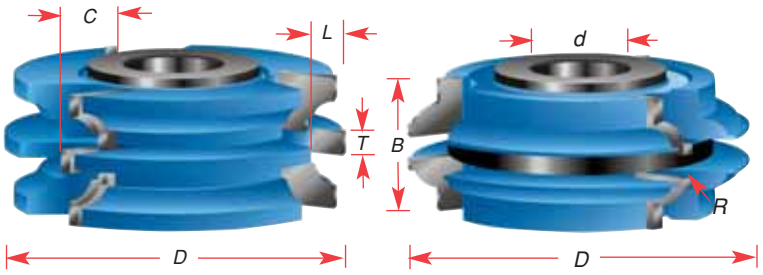


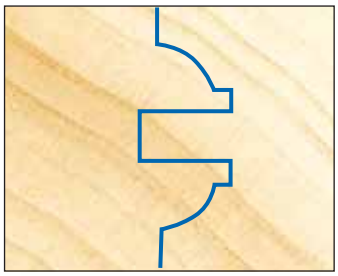
ØD	C	B	T	Tool No.	L	R	Ød	Rub Collar
2-7/8	1/4	1-3/16	1/4	**SC460**	7/16	15/64	1/2 & 3/4	C-009**
3-9/16	1/4	1-3/16	1/4	**SC560**	7/16	15/64	1 & 1-1/4	C-019***

*Rub collar for 1/2" arbor only! **Rub collar for 3/4" arbor only! ***Rub collar for 1-1/4" arbor only!
Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

STILE & RAIL CABINET DOOR CUTTER SETS FOR 1" MATERIAL

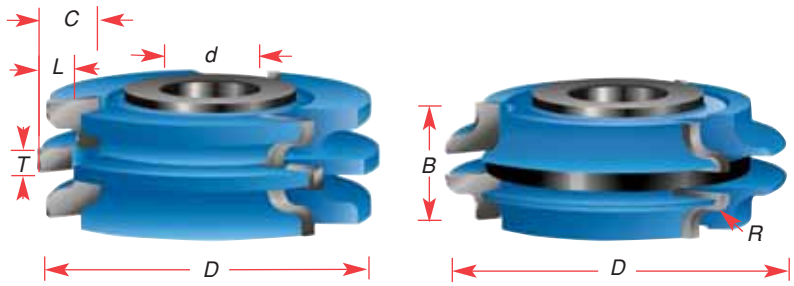
BEAD

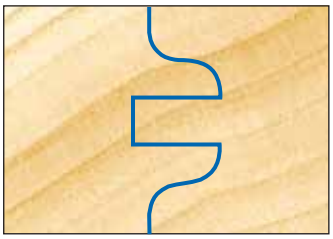




ØD	C	B	T	Tool No.	L	R	Ød	Rub Collar
3-9/16	3/8	1-3/8	1/4	**SC562**	7/16	9/32	1 & 1-1/4	C-019***

OGEE

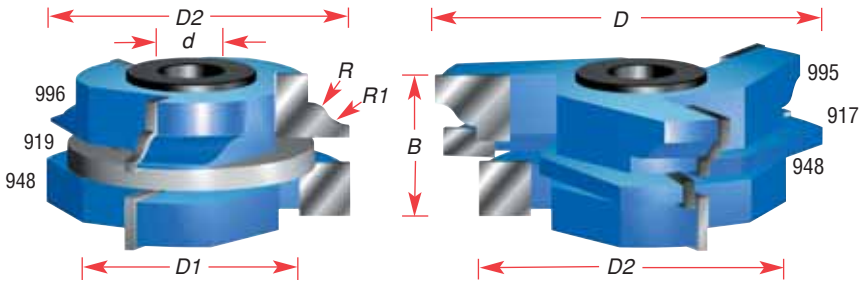


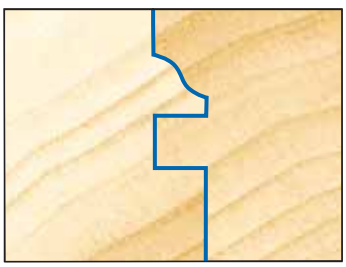


ØD	C	B	T	Tool No.	L	R	Ød	Rub Collar
3-9/16	3/8	1-3/16	1/4	**SC564**	7/16	5/32	1 & 1-1/4	C-019***

STILE & RAIL CABINET DOOR CUTTER SETS FOR 1-5/16" MATERIAL

OGEE STILE & RAIL SET WITH 1/4"W X 5/16"D TONGUE & GROOVE





ØD	D1	D2	B	Tool No.	R	R1	Ød	Rub Collar
3-1/8	1-7/8	2-1/2	1-5/16	**994**	3/16	5/32	1/2 & 3/4	C-008, C-016**

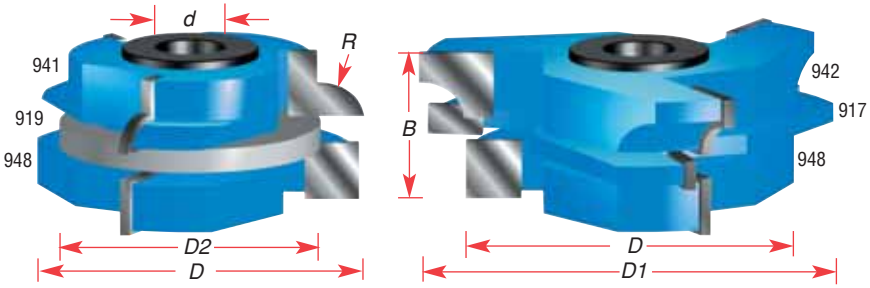
Includes:	
948	1/2" straight (2 pcs.)
917	1/4" straight
919	Steel spacer
995	Ogee stile
996	Rail for ogee stile
BU-550	'T' bushing, 1/2" x 3/4" (4 pcs.)
BU-910	Sleeve bushing, 1/2" x 3/4" x 3/4" long (2 pcs.)

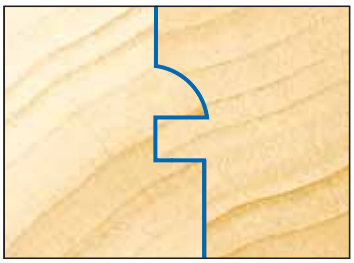
*Rub collar for 1/2" arbor only! **Rub collar for 3/4" arbor only! ***Rub collar for 1-1/4" arbor only!
Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

Shaper Cutters

STILE & RAIL CABINET DOOR CUTTER SETS FOR 1-5/16" MATERIAL

CONCAVE STILE & RAIL SET WITH 1/4"W X 5/16"D TONGUE & GROOVE



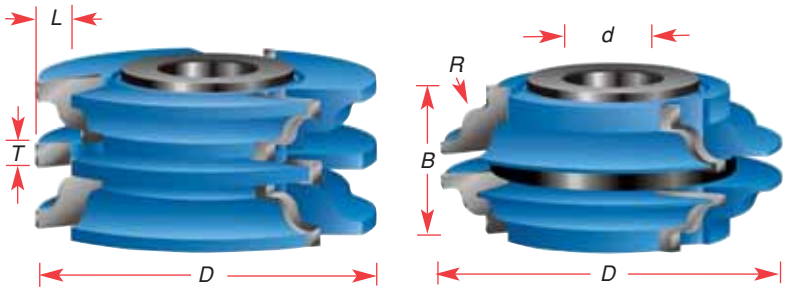


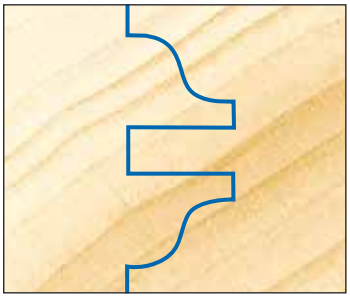
ØD	D1	D2	B	Tool No.	R	Ød	Rub Collar
2-1/2	1-7/8	3-1/8	1-17/64	**940**	5/16	1/2 & 3/4	C-008**,C-016**

Includes:			
941	Concave stile	**919**	Steel spacer
942	Rail for concave stile	**BU-550**	'T' bushing, 1/2" x 3/4" (4 pcs.)
948	1/2" straight (2 pcs.)	**BU-910**	Sleeve bushing, 1/2" x 3/4" x 3/4" long (2 pcs.)
917	1/4" straight		

STILE & RAIL CABINET DOOR CUTTER SETS FOR 1-3/8" MATERIAL

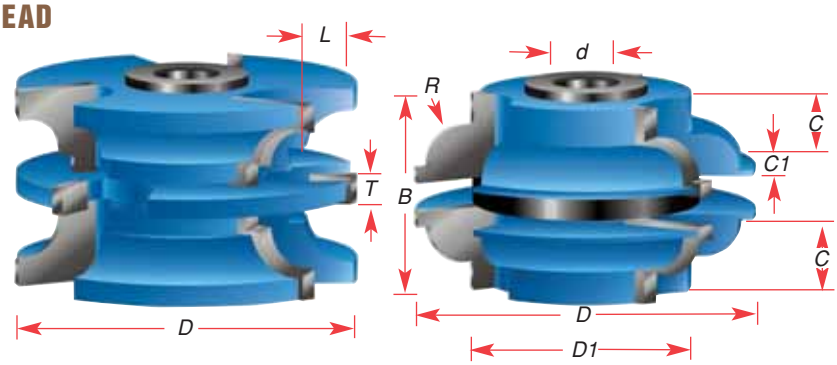
OGEE

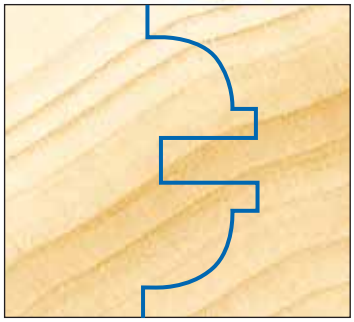




ØD	B	T	L	Tool No.	R	Ød	Rub Collar
3-9/16	1-1/2	1/4	9/16	**SC580**	3/16	1 & 1-1/4	C-017***

BEAD



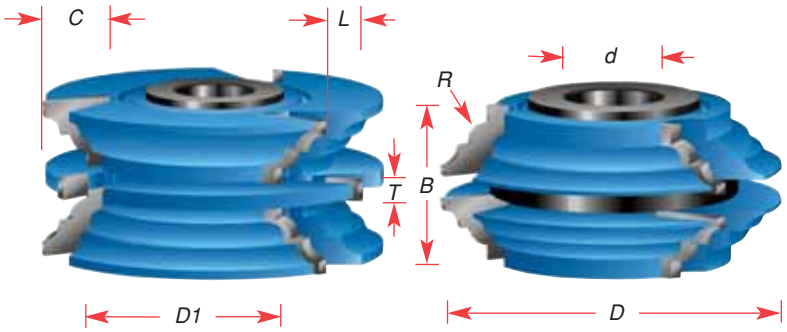


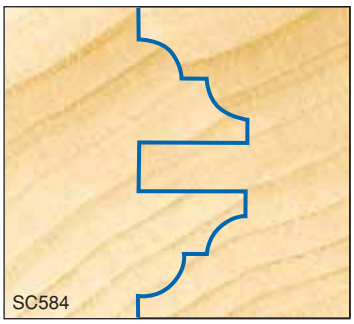
ØD	D1	B	L	C	C1	Tool No.	R	Ød	T	Rub Collar
2-27/32	1-27/32	1-9/16	1/2	17/32	1/8	**SC582**	5/16	1/2 & 3/4	7/32	C-007**
New 3-9/16	2-9/16	1-9/16	1/2	17/32	1/8	**SC583**	5/16	1 & 1-1/4	7/32	C-018***

*Rub collar for 1/2" arbor only! **Rub collar for 3/4" arbor only! ***Rub collar for 1-1/4" arbor only!
Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

STILE & RAIL CABINET DOOR CUTTER SETS FOR 1-3/8" MATERIAL

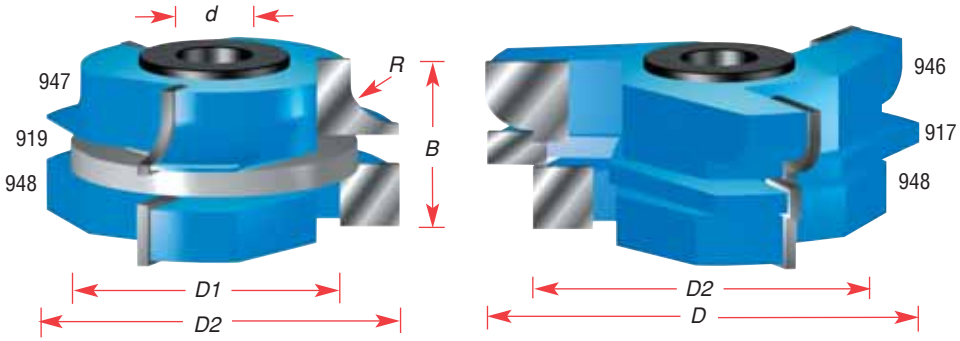
BEAD & COVE

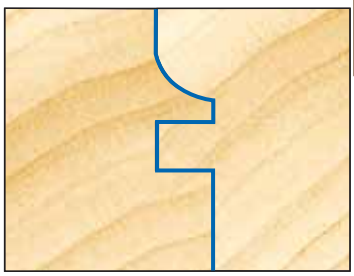




ØD	ØD1	C	B	T	Tool No.	L	R	Ød	Rub Collars
New 3-1/16	2-1/32	33/64	1-9/16	1/4	**SC585**	9/16	3/16	1/2 & 3/4	C-039**
3-9/16	–	7/8	1-5/8	1/4	**SC584**	9/16	13/64	1 & 1-1/4	C-018***

CONVEX STILE & RAIL SET WITH 1/4"W X 5/16"D TONGUE & GROOVE 3-WING





ØD	ØD1	ØD2	B	Tool No.	R	Ød	Rub Collars
3-1/8	1-7/8	2-1/2	1-23/64	**945**	5/16	1/2 & 3/4	C-008, C-016**

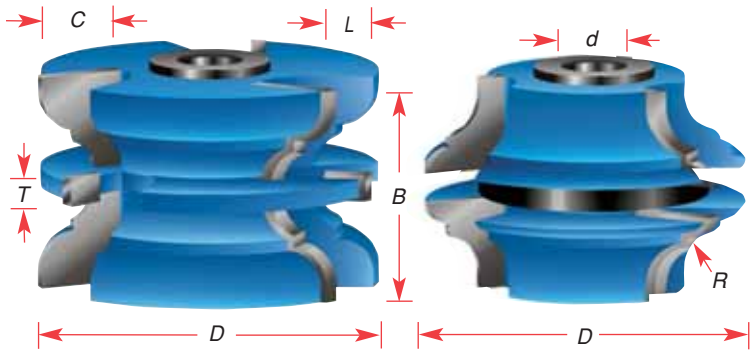
Includes:	
946	Convex stile
947	Rail for convex stile
948	1/2" straight (2 pcs.)
917	1/4" straight
919	Steel spacer
BU-550	'T' bushing, 1/2" x 3/4" (4 pcs.)
BU-910	Sleeve bushing, 1/2" x 3/4" x 3/4" long (2 pcs.)

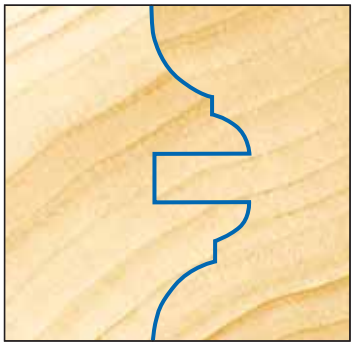
*Rub collar for 1/2" arbor only! **Rub collar for 3/4" arbor only! ***Rub collar for 1-1/4" arbor only!
Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

Shaper Cutters

STILE & RAIL EXTERIOR DOOR CUTTER SETS FOR 1-3/4" MATERIAL

BEAD & COVE

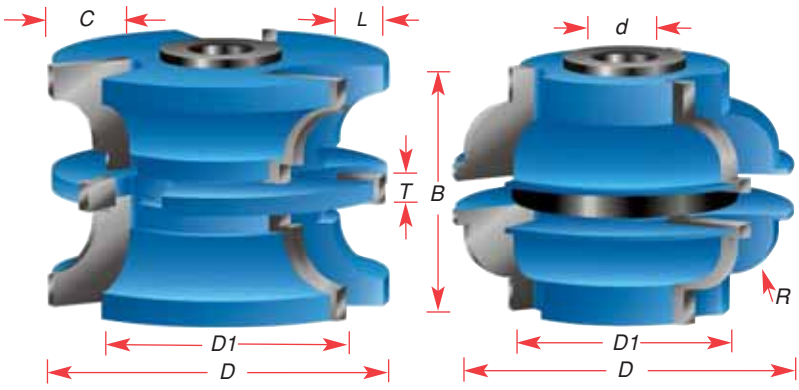




ØD	C	B	T	L	Tool No.	R	Ød	Rub Collar
2-7/8	1/2	1-3/4	1/4	1/2	**SC590**	21/64	1/2 & 3/4	C-008**

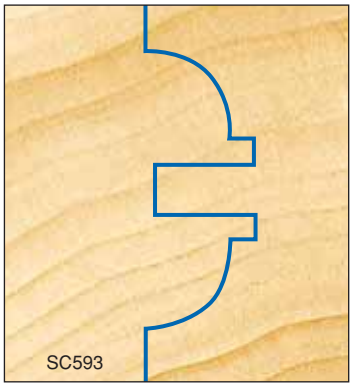
STILE & RAIL EXTERIOR DOOR CUTTER SETS FOR 1-3/4" - 2-1/8" MATERIAL

BEAD



ØD	ØD1	C	B	T	L	Tool No.	R	Ød	Rub Collar
2-7/8	13/16	17/32	2	1/4	9/16	**SC592**	25/64	1/2 & 3/4	C-007**
New 3-11/32	2-5/16	33/64	1-31/32	1/4	9/16	**SC593**	25/64	1 & 1-1/4	C-040***
New 3-17/32	2-17/32	1/2	2-1/8	1/2	1/2	**SC596**	25/64	1 & 1-1/4	C-018***

SC592


SC593

SC596

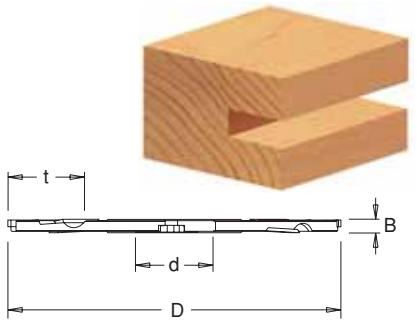
*Rub collar for 1/2" arbor only! **Rub collar for 3/4" arbor only! ***Rub collar for 1-1/4" arbor only!
Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

INSERT

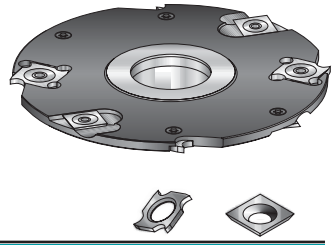
SHAPER CUTTERS

INSERT GROOVING CUTTER WITH SCORER 4-6MM

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.



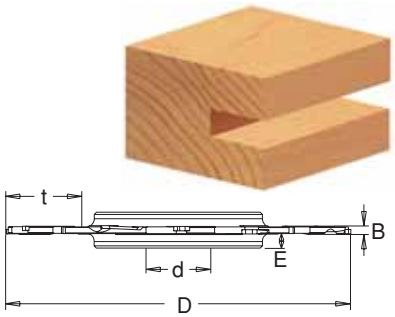
EN847-1 EN847-2 | Hand Feed



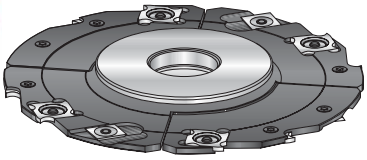
ØD	B	Teeth	Ød	Tool No.	Max. t	RPM	Repl. T.C. Knife	
125(5")	4(5/32")	4+4	1-1/4"	**61451**	35(1-3/8")	6,100-10,500	RCK-18	RCK-71
125(5")	5(3/16")	4+4	1-1/4"	**61453**	35(1-3/8")	6,100-10,500	RCK-19	RCK-71
125(5")	6(15/64")	4+4	1-1/4"	**61454**	35(1-3/8")	6,100-10,500	RCK-33	RCK-71
New 125(5")	(1/4")	4+4	1-1/4"	**61466**	35(1-3/8")	6,100-10,500	RCK-33	RCK-71
150(5-7/8")	4(5/32")	4+4	1-1/4"	**61455**	45(1-3/4")	5,200-8,900	RCK-18	RCK-71
150(5-7/8")	5(3/16")	4+4	1-1/4"	**61456**	45(1-3/4")	5,200-8,900	RCK-19	RCK-71
150(5-7/8")	6(15/64")	4+4	1-1/4"	**61457**	45(1-3/4")	5,200-8,900	RCK-33	RCK-71
180(7-1/16")	4(5/32")	8+8	1-1/4"	**61458**	55(2-5/32")	4,200-7,200	RCK-18	RCK-71
180(7-1/16")	5(3/16")	8+8	1-1/4"	**61459**	55(2-5/32")	4,200-7,200	RCK-19	RCK-71
180(7-1/16")	6(15/64")	8+8	1-1/4"	**61461**	55(2-5/32")	4,200-7,200	RCK-33	RCK-71

INSERT ADJUSTABLE GROOVING CUTTER WITH SCORER 4-7.5MM

Hard wearing steel body complete with tungsten carbide knives & 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 steps by using supplied spacer rings.



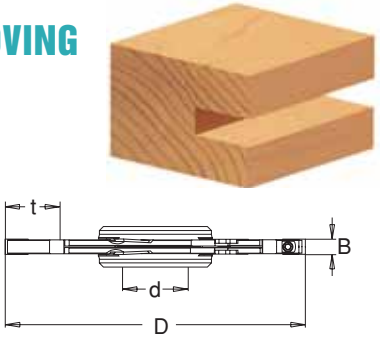
EN847-1 EN847-2 | Hand Feed



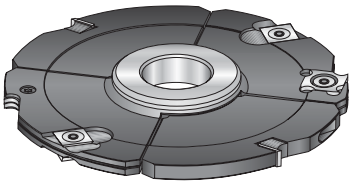
ØD	B	Teeth	E	Tool No.	Ød	Max. t	RPM	Repl. T.C. Knife	
160(6-5/16")	4.0-7.5(5/32-19/64")	8+4	6.35(1/4")	**61350**	1-1/4"	30(1-3/16")	4,800-8,300	RCK-18	RCK-71
180(7-1/16")	4.0-7.5(5/32-19/64")	8+4	6.35(1/4")	**61352**	1-1/4"	40(1-1/2")	4,300-7,500	RCK-18	RCK-71

3 PART INSERT ADJUSTABLE GROOVING CUTTER WITH SCORER 4-15.5MM

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 steps by using supplied spacer rings.



EN847-1 EN847-2 | Hand Feed

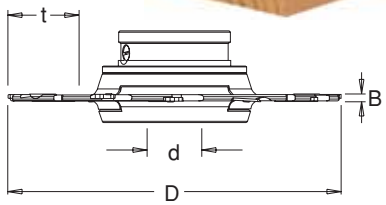


ØD	B	Teeth	Tool No.	Ød	Max. t	RPM	Repl. T.C. Knife		
150(5-7/8")	4.0-15.5(5/32"-5/8")	2+4+4	**61354**	1-1/4"	45(1-3/4")	5,500-8,500	AMA-17	RCK-18	RCK-71

Illustrations not shown actual size. To print 1:1 wood samples visit www.amanatool.com.
For a complete replacement parts listing for the above cutters please refer to our website: ***www.amanatool.com***

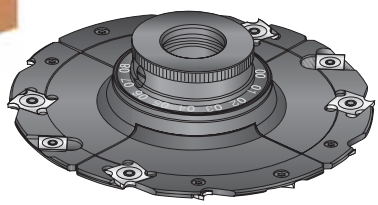
INSERT ADJUSTABLE GROOVING CUTTER WITH SCORER AND RING NUT

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 steps by special threaded bushing and scale without removing the cutter from the spindle.



EN847-1
EN847-2

Hand Feed



WITH SCORER AND RING NUT 4-7.5MM

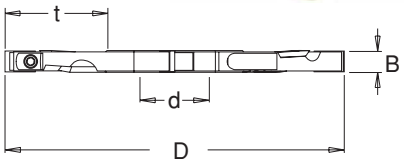
ØD	B	Teeth	Tool No.	Ød	Max. t	RPM	Repl. T.C. Knife	
130(5-1/8")	4.0-7.5(5/32"-19/64")	8+4	**61330**	1-1/4"	20(7/8")	5,900-9,800	RCK-18	RCK-71
160(6-5/16")	4.0-7.5(5/32"-19/64")	8+4	**61345**	1-1/4"	30(1-3/16")	4,800-8,300	RCK-18	RCK-71
180(7-1/16")	4.0-7.5(5/32"-19/64")	8+4	**61346**	1-1/4"	40(1-1/2")	4,300-7,500	RCK-18	RCK-71

WITH SCORER AND RING NUT 8-24MM

ØD	B	Teeth	Tool No.	Ød	Max. t	RPM	Repl. T.C. Knife	
160(6-5/16")	8.0-15.0(5/16-19/32")	4+4	**61340**	1-1/4"	30(1-3/16")	4,800-8,300	AMA-17	RCK-70
160(6-5/16")	12.5-24.0(1/2-15/16")	4+4	**61342**	1-1/4"	30(1-3/16")	4,800-8,300	AMA-19	RCK-70
180(7-1/16")	8.0-15.0(5/16-19/32")	4+4	**61343**	1-1/4"	40(1-1/2")	4,300-7,500	AMA-17	RCK-70
180(7-1/16")	12.5-24.0(1/2-15/16")	4+4	**61344**	1-1/4"	40(1-1/2")	4,300-7,500	AMA-19	RCK-70

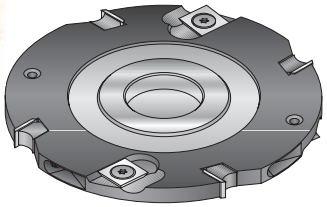
INSERT GROOVING CUTTER WITH SCORER 8-12MM

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.



EN847-1
EN847-2

Hand Feed

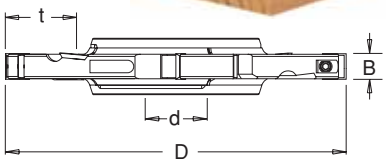


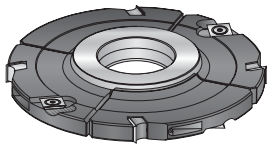
ØD	B	Teeth	Tool No.	Ød	Max. t	RPM	Repl. T.C. Knife	
125(5")	8(5/16")	4+4	**61411**	1-1/4"	35(1-3/8")	6,100-10,500	AMA-17	RCK-70
125(5")	10(13/32")	4+4	**61412**	1-1/4"	35(1-3/8")	6,100-10,500	AMA-18	RCK-70
125(5")	12(15/32")	4+4	**61413**	1-1/4"	35(1-3/8")	6,100-10,500	AMA-19	RCK-70
New 125(5")	(1/2")	4+4	**61422**	1-1/4"	35(1-3/8")	6,100-10,500	AMA-12	RCK-70
150(5-7/8")	8(5/16")	4+4	**61414**	1-1/4"	45(1-3/4")	5,200-8,900	AMA-17	RCK-70
150(5-7/8")	10(13/32")	4+4	**61415**	1-1/4"	45(1-3/4")	5,200-8,900	AMA-18	RCK-70
150(5-7/8")	12(15/32")	4+4	**61416**	1-1/4"	45(1-3/4")	5,200-8,900	AMA-19	RCK-70
180(7-1/16")	8(5/16")	4+8	**61417**	1-1/4"	55(2-5/32")	4,200-7,200	AMA-17	RCK-70
180(7-1/16")	10(13/32")	4+8	**61418**	1-1/4"	55(2-5/32")	4,200-7,200	AMA-18	RCK-70
180(7-1/16")	12(15/32")	4+8	**61419**	1-1/4"	55(2-5/32")	4,200-7,200	AMA-19	RCK-70

INSERT ADJUSTABLE GROOVING CUTTER WITH SCORER 8-24MM

EN847-1 EN847-2 | Hand Feed

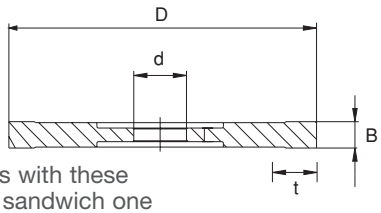
Hard wearing steel body complete with tungsten carbide knives and scorer for improved finish. Suitable for producing various thickness grooves and slots in softwood, hardwood and man-made boards (with or without coating) on a spindle molder. Cutting width can be adjusted in 0.1mm steps by using supplied spacer rings.

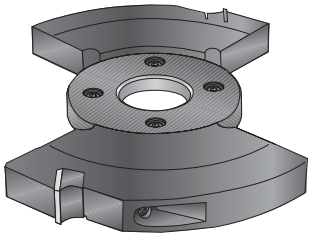




ØD	B	Teeth	Tool No.	Ød	Max. t	RPM	Repl. T.C. Knife	
160(6-5/16")	8.0-15.0(5/16"-19/32")	4+4	**61360**	1-1/4"	30(1-3/16")	4,800-8,300	AMA-17	RCK-70
160(6-5/16")	12.5-24.0(1/2"-15/16")	4+4	**61362**	1-1/4"	30(1-3/16")	4,800-8,300	AMA-19	RCK-70
180(7-1/16")	8.0-15.0(5/16"-19/32")	4+4	**61364**	1-1/4"	30(1-3/16")	4,300-7,500	AMA-17	RCK-70
180(7-1/16")	12.5-24.0(1/2"-15/16")	4+4	**61366**	1-1/4"	30(1-3/16")	4,300-7,500	AMA-19	RCK-70

INTERMEDIATE STACKABLE CUTTER 7MM, 15MM AND 20MM KERFS





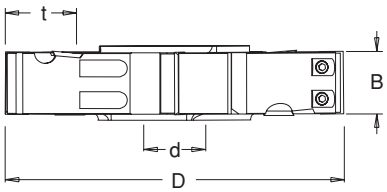
Expand the range of the shim-type adjustable groovers with these intermediate cutters. Works like a stackable dado set: sandwich one or more of the intermediate cutters between a pair of the groovers (model #'s 61350, 61360, 61362). Find the coarse groove width by stacking the appropriate selection of cutters on the shaper spindle, and fine-tune the width by shimming the outside groovers.

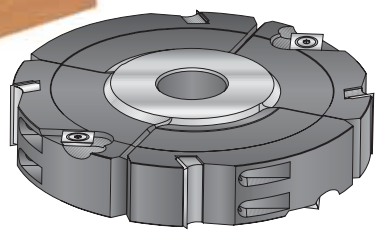
ØD	B	Teeth	Tool No.	Ød	Max. t	RPM	Repl. T.C. Knife
160(6-5/16")	7(9/32")	2	**61384**	1-1/4"	30(1-3/16")	4,800-8,300	AMA-17
160(6-5/16")	15(19/32")	2	**61386**	1-1/4"	30(1-3/16")	4,800-8,300	ICK-15
180(7-1/16")	20(25/32")	2	**61388**	1-1/4"	30(1-3/16")	4,300-7,500	ICK-20

INSERT ADJUSTABLE GROOVING AND RABBETING CUTTER WITH SCORER 20.6-100MM

EN847-1 EN847-2 | Hand Feed

Hard wearing steel body complete with tungsten carbide knives & 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 steps by using supplied spacer rings.





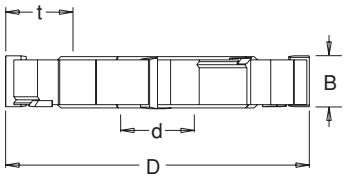
ØD	B	Teeth	Tool No.	Ød	Max. t	RPM	Repl. T.C. Knife	
160(6-5/16")	20.6-40(13/16-19/16")	4+4	**61355**	1-1/4"	40(1-1/2")	4,800-8,000	ICK-20	RCK-70
160(6-5/16")	30.6-60(1-7/32-2-3/8")	4+4	**61356**	1-1/4"	40(1-1/2")	4,800-8,000	RCK-30	RCK-70
160(6-5/16")	50.6-100(2"-3-15/16")	4+4	**61357**	1-1/4"	40(1-1/2")	4,800-8,000	ICK-50	RCK-70
200(7-7/8")	20.6-40(13/16-19/16")	4+4	**61358**	1-1/4"	50(2")	4,000-6,500	ICK-20	RCK-70
200(7-7/8")	30.6-60(1-7/32-2-3/8")	4+4	**61359**	1-1/4"	50(2")	4,000-6,500	RCK-30	RCK-70
200(7-7/8")	50.6-100(2"-3-15/16")	4+4	**61361**	1-1/4"	50(2")	4,000-6,500	ICK-50	RCK-70

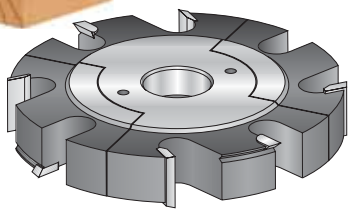
Illustrations not shown actual size. To print 1:1 wood samples visit www.amanatool.com.
For a complete replacement parts listing for the above cutters please refer to our website: ***www.amanatool.com***

CARBIDE TIPPED ADJUSTABLE GROOVING AND RABBETING CUTTERS WITH SCORER 25-49.5MM

STL Steel | Hand Feed

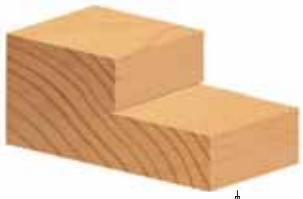
Hard wearing steel body complete with tungsten carbide knives and scorer for improved finish. Suitable for producing various thickness grooves and rabbets in softwood, hardwood and man-made boards (with or without coating) on a spindle molder. Cutting width can be adjusted in 0.1mm steps by using supplied spacer rings.





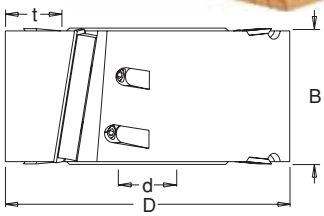
ØD	B	Teeth	Tool No.	Ød	Max. t	RPM
150(5-7/8")	25.0-49.5(1"-1-15/16")	4+4	61367	1-1/4"	27(1-1/16")	5,200-9,000

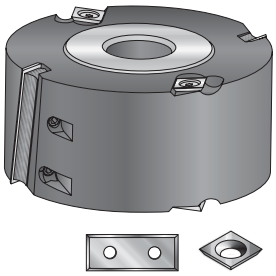
INSERT SHEAR RABBETING CUTTER



EN847-1 EN847-2 | Hand Feed

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.





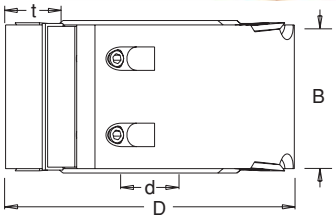
ØD	B	Teeth	Tool No.	Ød	Max. t	RPM	Repl. T.C. Knife	
125(5")	30(1-3/16")	4+4	61480	1-1/4"	27(1-1/16")	6,100-10,300	RCK-30	RCK-70
125(5")	50(2")	4+4	61482	1-1/4"	27(1-1/16")	6,100-10,300	ICK-50	RCK-70
125(5")	60(2-3/8")	2+4	* 61484	1-1/4"	27(1-1/16")	6,100-10,300	ICK-60	RCK-70
150(5-7/8")	60(2-3/8")	2+4	* 61485	1-1/4"	40(1-1/2")	5,200-8,600	ICK-60	RCK-70

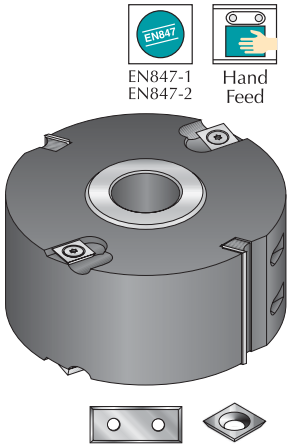
*Aluminum

INSERT RABBETING CUTTER

EN847-1 EN847-2 | Hand Feed

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.



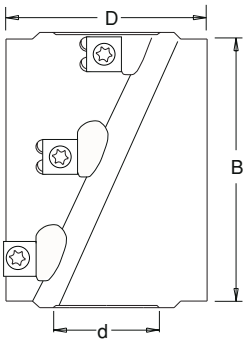


ØD	B	Teeth	Tool No.	Ød	Max. t	RPM	Repl. T.C. Knife
85(3-3/8")	50(2")	2+4	61463	1-1/4"	8(5/16")	9,000-15,000	RCK-50RCK-70
90(3-9/16")	40(1-1/2")	2+4	* 61464	1-1/4"	15(19/32")	8,500-12,000	RCK-40RCK-70
100(4")	30(1-3/16")	2+4	* 61460	1-1/4"	20(7/8")	7,600-12,900	RCK-30RCK-70
100(4")	50(2")	2+4	* 61462	1-1/4"	20(7/8")	7,600-12,900	RCK-50RCK-70
125(5")	30(1-3/16")	2+4	61470	1-1/4"	30(1-3/16")	6,100-10,000	RCK-30RCK-70
125(5")	50(2")	2+4	61472	1-1/4"	30(1-3/16")	6,100-10,000	RCK-50RCK-70
125(5")	50(2")	2+4	* 61465	1-1/4"	30(1-3/16")	6,100-10,000	RCK-50RCK-70
125(5")	60(2-3/8")	2+4	61467	1-1/4"	30(1-3/16")	6,100-10,000	ICK-60RCK-70

*Aluminum

Illustrations not shown actual size. To print 1:1 wood samples visit www.amanatool.com.
For a complete replacement parts listing for the above cutters please refer to our website: ***www.amanatool.com***

INSERT SPIRAL JOINTING CUTTER



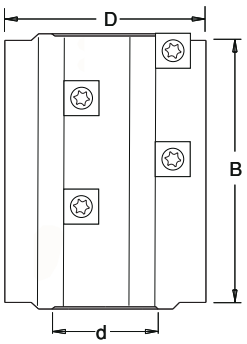
ALU Aluminum | Hand Feed

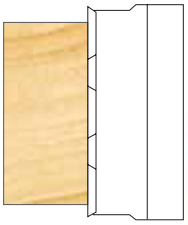
Hard wearing aluminum body complete with spiral positioned tungsten carbide knives. Suitable for planing and jointing in softwood, hardwood and man-made boards on a spindle molder. Can be used with a bearing guide and ring fence for planing and routing curved work pieces with a template.

ØD	B	Teeth	Tool No.	Ød	RPM	Repl. T.C. Knife	Rub Collar
62(2-1/2")	80(3-1/8")	12	**61292**	1-1/4"	8,000-12,000	RCK-70	61596

INSERT JOINTING CUTTER

Hard wearing aluminum body complete with 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.





ALU Aluminum | Hand Feed

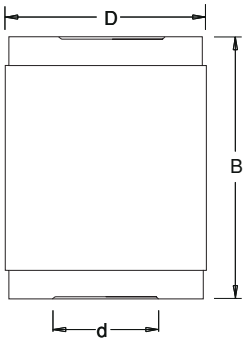
ØD	B	Teeth	Tool No.	Ød	RPM	Repl. T.C. Knife	Rub Collar
62(2-1/2")	80(3-1/8")	12	**61288**	1-1/4"	8,000-12,000	RCK-70	61596

SANDING DRUM

New

For sanding rough workpieces by means of template under use of a ball bearing as a rub collar.

Abrasive Material = AB61293 (9"x3")



ØD	B	Ød	Tool No.	RPM	Abrasive Replacement	Rub Collar
60(2-3/8")	100(4")	1-1/4"	**61293**	4,500	AB61293	61596

Illustrations not shown actual size. To print 1:1 wood samples visit www.amanatool.com.
For a complete replacement parts listing for the above cutters please refer to our website: ***www.amanatool.com***

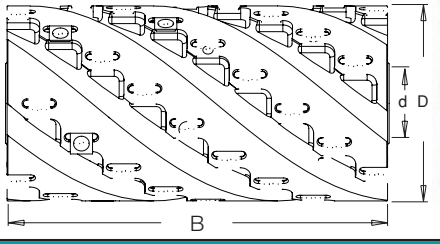
Insert Shaper Cutters

ROUGHING SPIRAL PLANER

New

Hard wearing aluminum body complete with positioned tungsten carbide knives. Suitable to remove large volumes of all types of wood with a high feed rate.

ALU Aluminum | Hand Feed

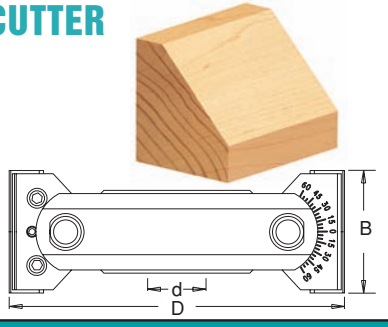


ØD	B	Flutes	Tool No.	Teeth	Ød	Max. RPM	Repl. T.C. Knife
125(5")	80(3-1/8")	6	**61282**	18	1-1/4"	9,000	HCK-70
125(5")	100(4")	6	**61283**	24	1-1/4"	9,000	HCK-70
125(5")	130(5-1/8")	6	**61284**	30	1-1/4"	9,000	HCK-70
125(5")	190(7-1/2")	6	**61285**	45	1-1/4"	9,000	HCK-70
125(5")	210(8-1/4")	6	**61286**	48	1-1/4"	9,000	HCK-70
125(5")	240(9-1/2")	6	**61287**	54	1-1/4"	9,000	HCK-70
80-200	20-250	6	**Custom Design**		30-50		

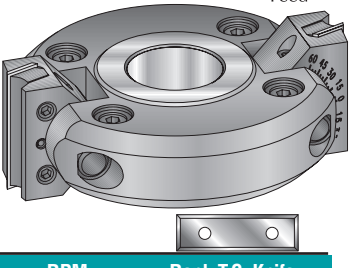
Replacement Torx® Screw #67154

INSERT ADJUSTABLE CHAMFER CUTTER

Cutterhead bodies available in hard wearing aluminum or steel, complete with tungsten carbide knives. Suitable for producing chamfer cuts at various angles in softwood, hardwood and man-made boards on a spindle molder. Cutting angle can be adjusted in 7.5˚ steps by using notched scale. Fine adjustment of 1˚ is also possible.



EN847 EN847-1 EN847-2 | Hand Feed

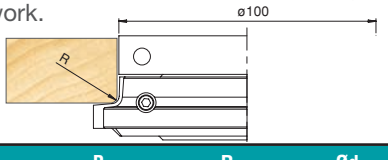


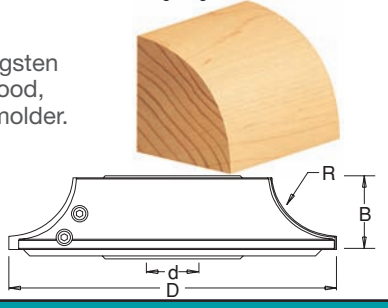
ØD	B	a°	Tool No.	Ød	RPM	Repl. T.C. Knife
110(4-11/32")	40(1-1/2")	-45.0° → +45.0°	**61303**	1-1/4"	7,000-9,000	RCK-40
120(4-3/4")	40(1-1/2")	-45.0° → +45.0°	* **61304**	1-1/4"	6,000-8,500	RCK-40
130(5-1/8")	50(2")	-67.5° → +67.5°	**61306**	1-1/4"	5,000-8,500	ICK-50
150(5-7/8")	50(2")	-90.0° → +90.0°	**61307**	1-1/4"	5,100-7,400	ICK-50
160(6-1/4")	50(2")	-90.0° → +90.0°	†* **61310**	1-1/4"	4,800-6,000	ICK-50

*Aluminum † Tool has special mechanism to enable fine tuning angle of 1˚

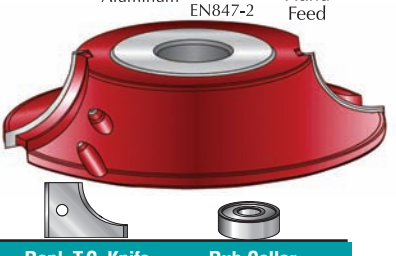
INSERT ROUNDING OVER CUTTER

Hard wearing aluminum body complete with tungsten carbide knives. Suitable for rounding over softwood, hardwood and man-made boards on a spindle molder. Can be used with 100mm diameter bearing for shaping work.





ALU Aluminum | EN847 EN847-1 EN847-2 | Hand Feed



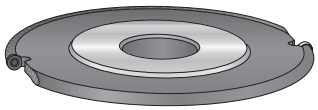
ØD	B	R	Ød	Tool No.	RPM	Repl. T.C. Knife	Rub Collar
120(4-3/4")	20(7/8")	3(1/8")	1-1/4"	**61140**	6,400-10,000	RCK-100	61613
120(4-3/4")	20(7/8")	4(5/32")	1-1/4"	**61141**	6,400-10,000	RCK-102	61613
120(4-3/4")	20(7/8")	5(3/16")	1-1/4"	**61142**	6,400-10,000	RCK-104	61613
120(4-3/4")	20(7/8")	6(1/4")	1-1/4"	**61143**	6,400-10,000	RCK-106	61613
120(4-3/4")	20(7/8")	8(5/16")	1-1/4"	**61144**	6,400-10,000	RCK-108	61613
120(4-3/4")	20(7/8")	10(13/32")	1-1/4"	**61145**	6,400-10,000	RCK-110	61613
130(5-1/8")	20(7/8")	15(19/32")	1-1/4"	**61146**	5,400-9,000	RCK-114	61613
140(5-1/2")	25(1")	20(7/8")	1-1/4"	**61147**	5,400-9,000	RCK-116	61613
150(5-7/8")	30(1-3/16")	25(1")	1-1/4"	**61148**	5,400-9,000	RCK-118	61613
160(6-1/4")	35(1-3/8")	30(1-3/16")	1-1/4"	**61149**	5,400-9,000	RCK-120	61613

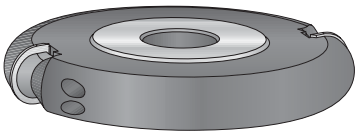
Illustrations not shown actual size. To print 1:1 wood samples visit www.amanatool.com.
For a complete replacement parts listing for the above cutters please refer to our website: ***www.amanatool.com***

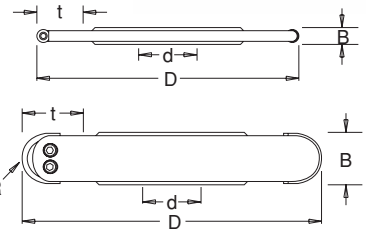
INSERT RADIUS PROFILE CUTTER

Cutterhead bodies in hard wearing aluminum or steel, complete with tungsten carbide knives. Suitable for producing various radii coves or rule joints in softwood, hardwood and man-made boards on a spindle molder. All cutterheads can be used with a 120mm bearing for cutting uniform depth profiles.

EN847-1 EN847-2 | Hand Feed







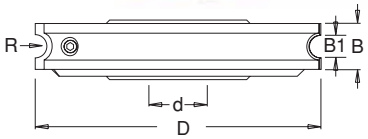
ØD	B	R	Ød	Tool No.	Max. t	RPM	Repl. T.C. Knife	Rub Collar
126(5")	6(1/4")	3(1/8")	1-1/4"	**61160**	28(1-1/8")	4,500-10,600	RCK-121	61619
128(5-1/16")	8(5/16")	4(5/32")	1-1/4"	**61161**	29(1-5/32")	4,500-10,600	RCK-122	61619
130(5-1/8")	10(13/32")	5(3/16")	1-1/4"	**61162**	30(1-3/16")	4,500-10,600	RCK-123	61619
132(5-1/4")	12(15/32")	6(1/4")	1-1/4"	* **61163**	31(1-1/4")	5,700-10,100	RCK-124	61619
136(5-3/8")	16(5/8")	8(5/16")	1-1/4"	* **61164**	33(1-5/16")	5,600-8,400	RCK-125	61619
140(5-1/2")	20(7/8")	10(13/32")	1-1/4"	* **61165**	35(1-3/8")	5,400-9,500	RCK-126	61619
144(5-11/16")	24(15/16")	12(15/32")	1-1/4"	* **61166**	37(1-15/32")	5,300-9,200	RCK-127	61619
150(5-7/8")	30(1-3/16")	15(19/32")	1-1/4"	* **61167**	40(1-1/2")	5,000-8,900	RCK-128	61619
160(6-1/4")	40(1-1/2")	20(7/8")	1-1/4"	* **61168**	45(1-3/4")	4,700-8,000	RCK-129	61619

⚠ *Aluminum

INSERT BEADING PROFILE CUTTER

Cutterhead body in hard wearing aluminum complete with tungsten carbide knives. Suitable for producing beads of various radii in softwood, hardwood and man-made boards on a spindle molder.

ALU Aluminum | EN847-1 EN847-2 | Hand Feed



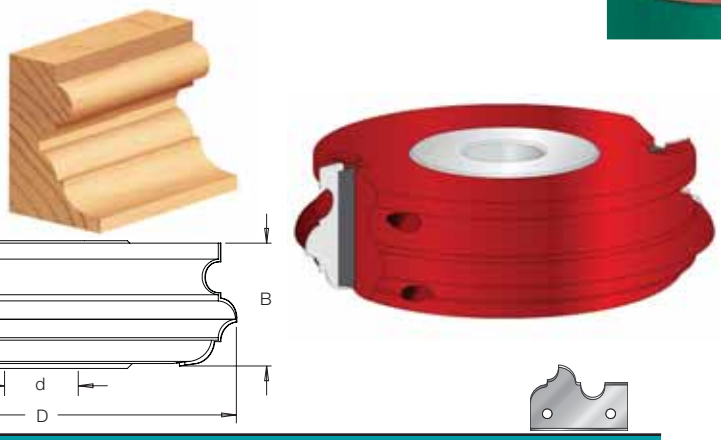
ØD	B	B1	Tool No.	R	Ød	RPM	Repl. T.C. Knife
125(5")	15(19/32")	6(1/4")	**61120**	3(1/8")	1-1/4"	6,000-10,000	RCK-140
125(5")	15(19/32")	8(5/16")	**61121**	4(5/32")	1-1/4"	6,000-10,000	RCK-142
125(5")	20(7/8")	10(13/32")	**61122**	5(3/16")	1-1/4"	6,000-10,000	RCK-144
125(5")	20(7/8")	12(15/32")	**61123**	6(1/4")	1-1/4"	6,000-10,000	RCK-146
125(5")	30(1-3/16")	16(5/8")	**61124**	8(5/16")	1-1/4"	6,000-10,000	RCK-148
125(5")	30(1-3/16")	20(7/8")	**61125**	10(13/32")	1-1/4"	6,000-10,000	RCK-150
125(5")	30(1-3/16")	24(15/16")	**61126**	12(15/32")	1-1/4"	6,000-10,000	RCK-152
125(5")	40(1-1/2")	30(1-3/16")	**61127**	15(19/32")	1-1/4"	6,000-10,000	RCK-154
135(5-5/16")	50(2")	40(1-1/2")	**61128**	20(7/8")	1-1/4"	5,500-9,000	RCK-156

Illustrations not shown actual size. To print 1:1 wood samples visit www.amanatool.com.
For a complete replacement parts listing for the above cutters please refer to our website: ***www.amanatool.com***

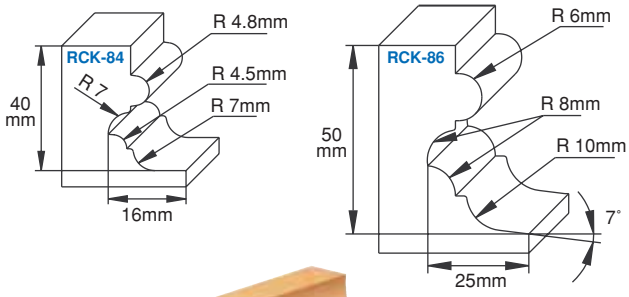
Insert Shaper Cutters

MULTI PROFILE CUTTER

Aluminum alloy heads with special multi-radii replaceable carbide knives. A very versatile cutter for moldings such as beads, corner rounds, classical or a combination of each. Multiple passes and depth settings will give even further combinations. Two different sizes available. Standard bore is 1-1/4". Includes 3mm T-Handle hex key.

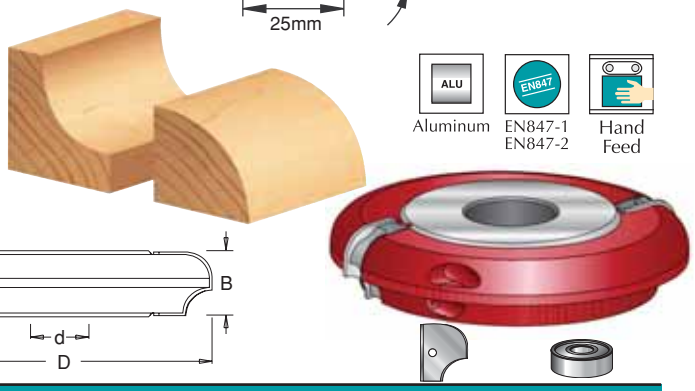


ØD	B	Tool No.	Ød	RPM	Repl. T.C. Knife
120(4-3/4")	40(1-1/2")	**61276**	1-1/4"	6,400-10,000	RCK-84
160(6-1/4")	50(2")	**61280**	1-1/4"	4,800-8,000	RCK-86

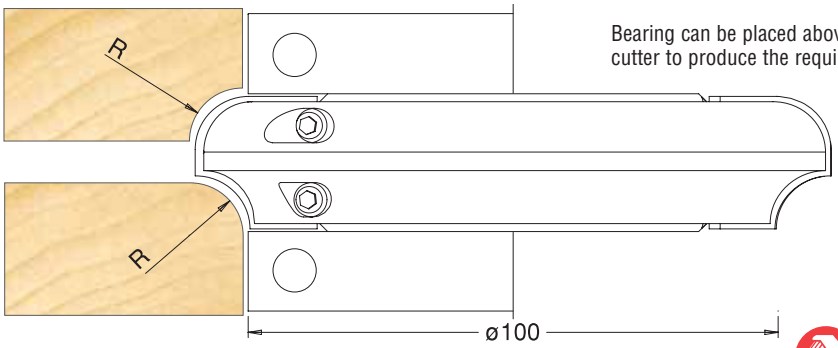


INSERT CORNER ROUND/COVE CUTTER

Cutterhead body in hard wearing aluminum, complete with tungsten carbide knives. Suitable for rounding over and producing matching cove joints in softwood, hardwood and man-made boards on a spindle molder. All cutterheads can be used with a 100mm bearing for cutting uniform depth profiles.



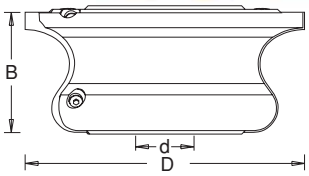
ØD	B	R	Tool No.	Ød	RPM	Repl. T.C. Knife	Rub Collar
106(4-3/16")	20(7/8")	3(1/8")	**61312**	1-1/4"	7,300-10,100	RCK-176	61613
110(4-11/32")	20(7/8")	5(3/16")	**61314**	1-1/4"	7,000-9,900	RCK-177	61613
112(4-7/16")	20(7/8")	6(1/4")	**61316**	1-1/4"	6,900-9,700	RCK-178	61613
116(4-9/16")	20(7/8")	8(5/16")	**61318**	1-1/4"	6,600-9,500	RCK-179	61613
120(4-3/4")	25(1")	10(13/32")	**61320**	1-1/4"	6,400-10,000	RCK-74	61613
124(4-7/8")	30(1-3/16")	12(15/32")	**61324**	1-1/4"	6,200-9,800	RCK-76	61613
130(5-1/8")	35(1-3/8")	15(19/32")	**61326**	1-1/4"	5,900-9,500	RCK-182	61613
140(5-1/2")	50(2")	20(7/8")	**61327**	1-1/4"	5,500-9,000	RCK-183	61613
150(5-7/8")	60(2-3/8")	25(1")	**61328**	1-1/4"	5,100-6,000	RCK-184	61613
153(6")	60(2-3/8")	≈30(1-3/16")	**61329**	1-1/4"	4,900-5,800	RCK-185	61613



Bearing can be placed above or below the cutter to produce the required profile.

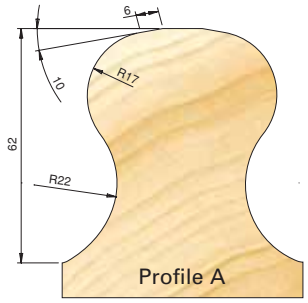
INSERT HANDRAIL CUTTER

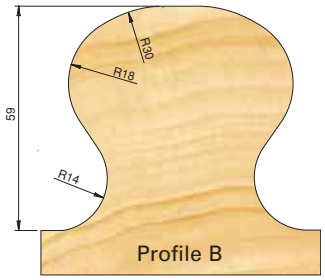
Cutterhead bodies in hard wearing aluminum, complete with tungsten carbide knives. Suitable for producing two different handrail profiles for stairs and banisters in solid softwood or hardwood on a spindle molder.



ALU Aluminum | EN847 EN847-1 EN847-2 | Hand Feed

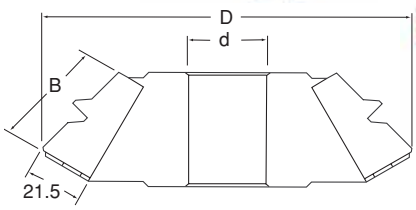
ØD	B	Profile	Tool No.	Ød	RPM	Repl. T.C. Knife
130(5-1/8")	73(2-7/8")	A	**61130**	1-1/4"	5,800-7,700	RCK-168
160(6-1/4")	73(2-7/8")	B	**61132**	1-1/4"	4,700-7,200	RCK-170





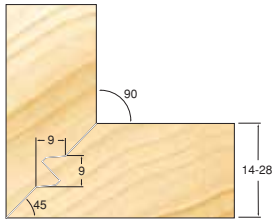
INSERT 45° LOCK MITER CUTTER

Hard wearing aluminum body 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.



ALU Aluminum | EN847 EN847-1 EN847-2 | Hand Feed

ØD	B	d	Tool No.	RPM	Repl. T.C. Knife
170(6-11/16")	40(1-1/2")	1-1/4"	**61290**	5,500-10,000	RCK-90



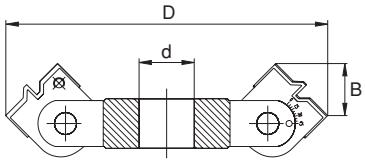
Illustrations not shown actual size. To print 1:1 wood samples visit www.amanatool.com.
For a complete replacement parts listing for the above cutters please refer to our website: ***www.amanatool.com***

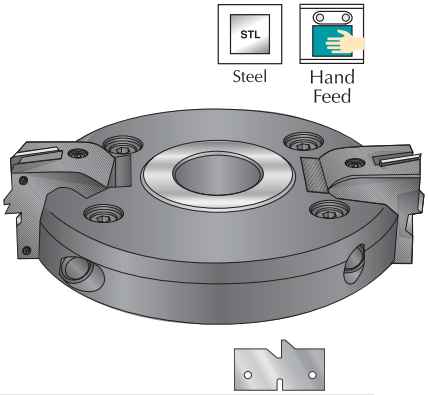
Amana Tool®

Insert Shaper Cutters

INSERT ADJUSTABLE LOCK MITER CUTTER

This tool cuts the 45° lock miter and other angles as well. It's the ideal cutter for joining polygon shapes, such as hexagons (6-sided) and octagons (8-sided). The cutter has a solid steel body with replaceable carbide knives. An exclusive adjustment system is used that features positive stops at 7.5° increments for precise indexing of angles.

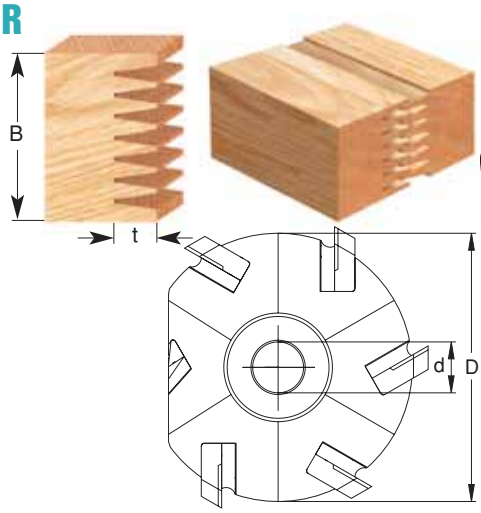


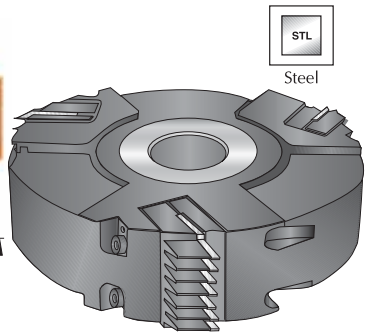


ØD	B	a°	Tool No.	Ød	Max. RPM	Repl. T.C. Knife
170(6-11/16")	40(1-1/2")	-45° ⇢ +45	**61298**	1-1/4"	6,000	RCK-90

INSERT FINGER JOINT CUTTER

This stackable finger-jointing tool is an open-design cutter with no limitation on chip size. As such, it's a high-production, high-performance tool to be used only with an automatic or power feed. The tool features a 3-wing solid-steel cutterhead that takes replaceable carbide knives. Each cutter will cut up to 40mm high and 10mm deep. Stack two or more cutterheads on the spindle to increase the cut height capacity.

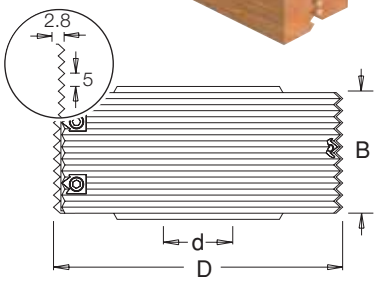


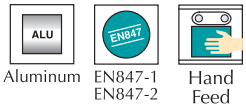


ØD	B	Ød	Tool No.	Max. t	RPM	Repl. T.C. Knife
170(6-11/16")	40(1-1/2")	1-1/4"	**61270**	10(13/32")	7,000	RCK-92

INSERT 'V' TYPE GLUE JOINT CUTTER

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.



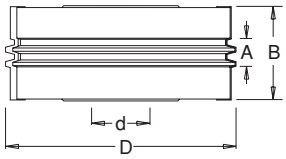


ØD	B	Ød	Tool No.	RPM	Repl. T.C. Knife
90(3-1/2")	50(2")	1-1/4"	**61296**	8,500-12,000	RCK-72
120(4-3/4")	50(2")	1-1/4"	**61297**	6,100-10,000	RCK-72

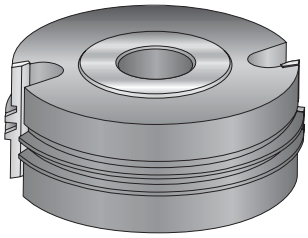
Illustrations not shown actual size. To print 1:1 wood samples visit www.amanatool.com.
For a complete replacement parts listing for the above cutters please refer to our website: ***www.amanatool.com***

CARBIDE TIPPED GLUE JOINT CUTTER

Cutterhead bodies available in hard wearing steel, complete with tungsten carbide tips. Suitable for producing 'finger style' reversible glue joints in softwood, hardwood and man-made boards on a spindle molder.



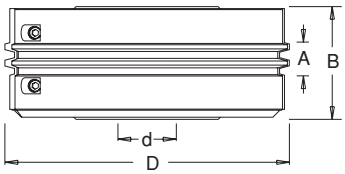
STL Steel | Hand Feed



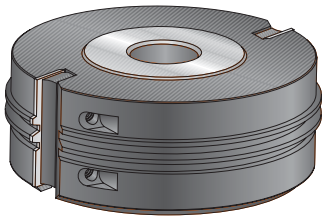
ØD	B	A	Tool No.	Ød	RPM
125(5")	50(2")	15(19/32")	**61070**	1-1/4"	6,100-10,500

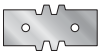
INSERT GLUE JOINT CUTTER

Cutterhead bodies in hard wearing steel and aluminum complete with tungsten carbide knives. Suitable for producing 'finger style' reversible glue joints in softwood, hardwood and man-made boards on a spindle molder.



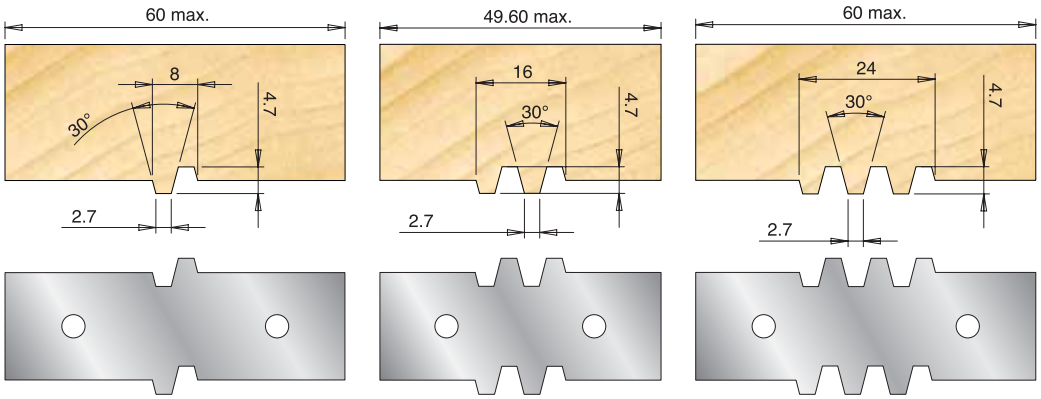
EN847 EN847-1 EN847-2 | Hand Feed





ØD	B	Profile	A	Tool No.	Ød	RPM	Repl. T.C. Knife
120(4-3/4")	60(2-3/8")	1	7.7(5/16")	* **61258**	1-1/4"	6,500-9,500	RCK-83
140(5-1/2")	50(2")	2	15.4(5/8")	**61264**	1-1/4"	5,400-8,800	RCK-85
140(5-1/2")	60(2-3/8")	3	23.0(15/16")	**61268**	1-1/4"	5,400-8,800	RCK-87

⚠ *Aluminum



Profile 1
RCK-83

Profile 2
RCK-85

Profile 3
RCK-87

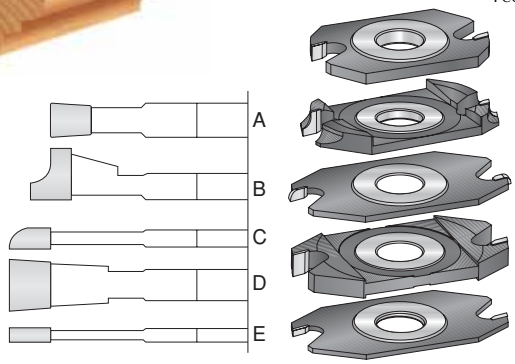
Illustrations not shown actual size. To print 1:1 wood samples visit www.amanatool.com.
For a complete replacement parts listing for the above cutters please refer to our website: ***www.amanatool.com***

CARBIDE TIPPED MULTICUT SET

Five piece tungsten carbide tipped cutterhead set, complete with spacer rings. Suitable for producing multiple profiles, profile/counter profiles, in single or multiple passes in softwood, hardwood and man-made boards on a spindle molder.

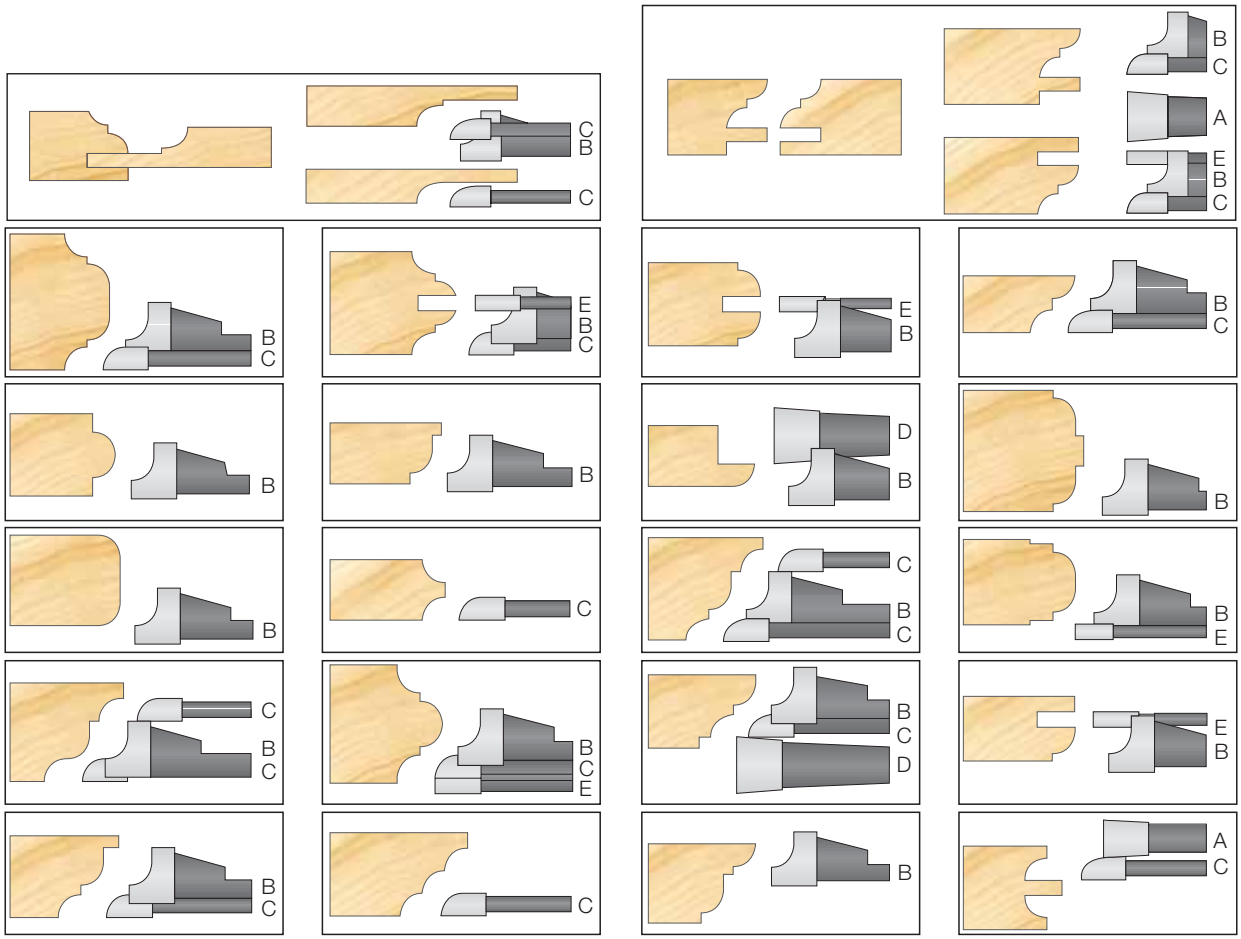
EN847-1
EN847-2

Hand Feed



ØD	Width	Tool No.	Cutter	Ød	RPM
Set of 5 cutters and distance rings		**61390**	Set	1-1/4"	5,500-9,600
116(4-9/16")	10(13/32")	**61391**	A	1-1/4"	5,500-9,600
128(5-1/16")	15(19/32")	**61392**	B	1-1/4"	5,500-9,600
140(5-1/2")	7(9/32")	**61393**	C	1-1/4"	5,500-9,600
140(5-1/2")	15(19/32")	**61394**	D	1-1/4"	5,500-9,600
140(5-1/2")	4(5/32")	**61395**	E	1-1/4"	5,500-9,600

Replacement Spacer Set use #55406.



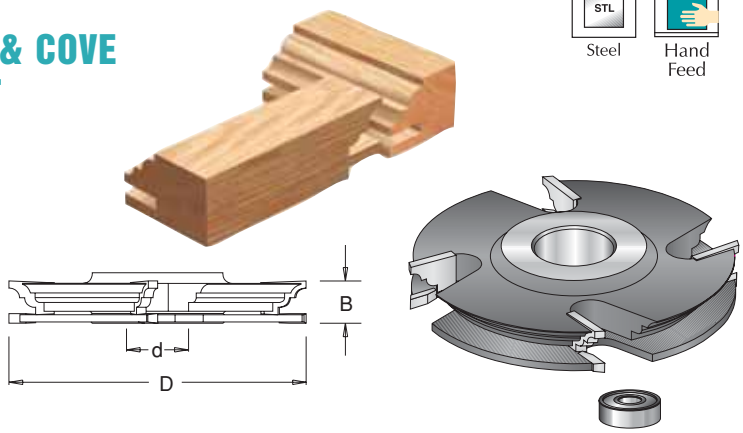
INSERT SHAPER CUTTERS

Illustrations not shown actual size. To print 1:1 wood samples visit www.amanatool.com.
For a complete replacement parts listing for the above cutters please refer to our website: ***www.amanatool.com***

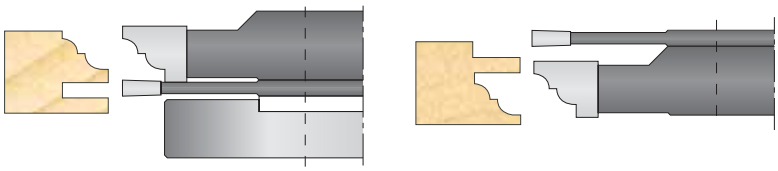
CARBIDE TIPPED PROFILE - BEAD & COVE 4-WING STILE & RAIL CUTTER SET

STL Steel — Hand Feed

Two piece steel cutterhead set complete with four tungsten carbide tips. Suitable for producing complete 'stile and rail' joints in softwood, hardwood and man-made boards on a spindle molder. Reversing the cutters on the spindle molder (see illustration) makes both the stile and rail. Set comes with necessary washer and ball bearing guide.



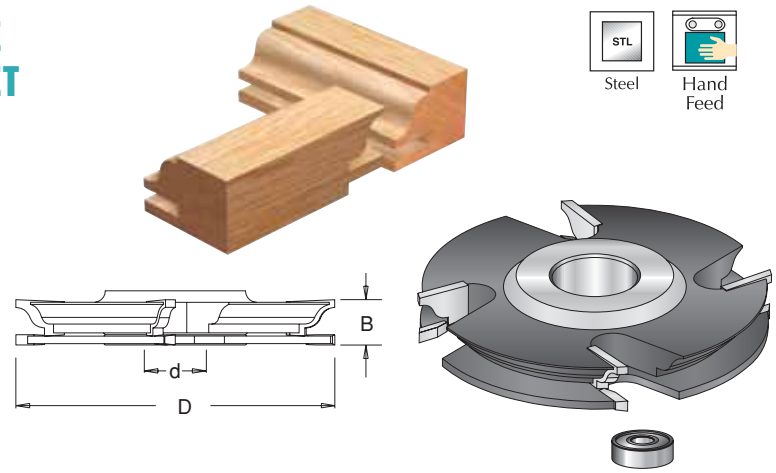
ØD	B	Tool No.	Ød	RPM	Repl. Rub Collar
125(5")	20(7/8")	**61550**	1-1/4"	6,100-10,500	61611



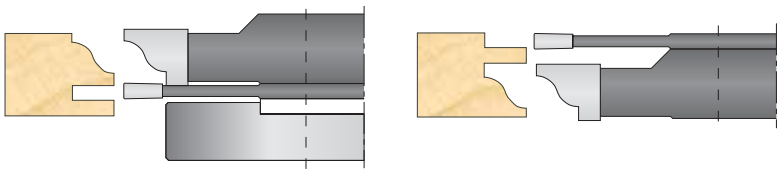
CARBIDE TIPPED PROFILE - OGEE 4-WING STILE & RAIL CUTTER SET

STL Steel — Hand Feed

Two piece steel cutterhead set complete with four tungsten carbide tips. Suitable for producing complete 'stile and rail' joints in softwood, hardwood and man-made boards on a spindle molder. Reversing the cutters on the spindle molder (see illustration) makes both the stile and rail. Set comes with necessary washer and ball bearing guide.



ØD	B	Tool No.	Ød	RPM	Repl. Rub Collar
125(5")	20(7/8")	**61560**	1-1/4"	6,100-10,500	61611

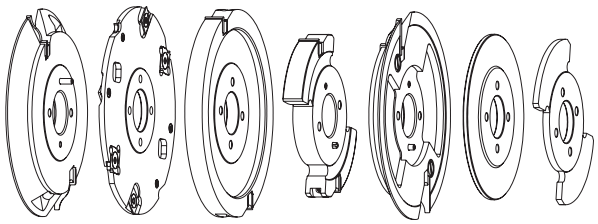


Illustrations not shown actual size. To print 1:1 wood samples visit www.amanatool.com.
For a complete replacement parts listing for the above cutters please refer to our website: ***www.amanatool.com***

INSERT PROFILE - COUNTER/PROFILE CUTTER SET

Cutterhead set in hard wearing aluminum, complete with tungsten carbide knives. Suitable for producing various profile / counter profile joints in softwood, hardwood and man-made boards by using combinations of the supplied cutters.

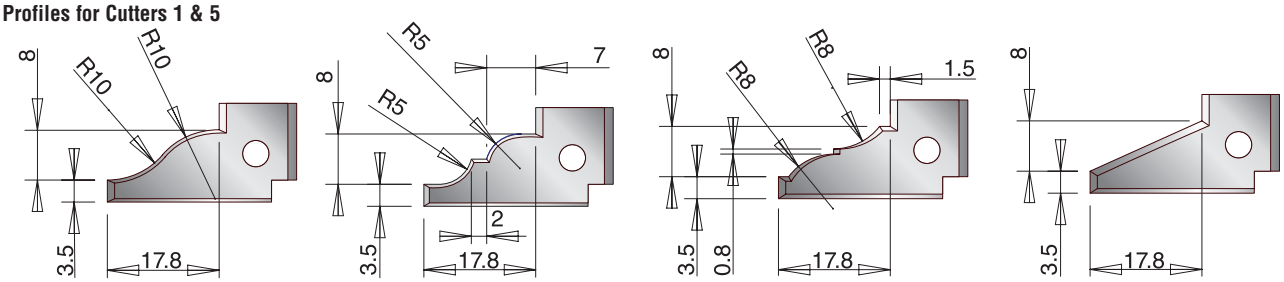
ALU Aluminum | EN847 EN847-1 EN847-2 | Hand Feed



Sets

ØD	Set No.	Cutters	Profile	Tool No.	Ød	B	Profile Type	RPM
150(5-7/8")	1	1,2,3,4,2x6,7	1	**61750**	1-1/4	20-35(5/8"-1-3/8")	A,B	5,000-9,000
150(5-7/8")	1	1,2,3,4,2x6,7	2	**61752**	1-1/4	20-35(5/8"-1-3/8")	A,B	5,000-9,000
150(5-7/8")	1	1,2,3,4,2x6,7	3	**61754**	1-1/4	20-35(5/8"-1-3/8")	A,B	5,000-9,000
150(5-7/8")	1	1,2,3,4,2x6,7	4	**61756**	1-1/4	20-35(5/8"-1-3/8")	A,B	5,000-9,000
150(5-7/8")	2	1,2,3,4,5,2x6,2x7	1	**61758**	1-1/4	20-35(5/8"-1-3/8")	A,B,C	5,000-9,000
150(5-7/8")	2	1,2,3,4,5,2x6,2x7	2	**61760**	1-1/4	20-35(5/8"-1-3/8")	A,B,C	5,000-9,000
150(5-7/8")	2	1,2,3,4,5,2x6,2x7	3	**61762**	1-1/4	20-35(5/8"-1-3/8")	A,B,C	5,000-9,000
150(5-7/8")	2	1,2,3,4,5,2x6,2x7	4	**61764**	1-1/4	20-35(5/8"-1-3/8")	A,B,C	5,000-9,000

Profiles for Cutters 1 & 5



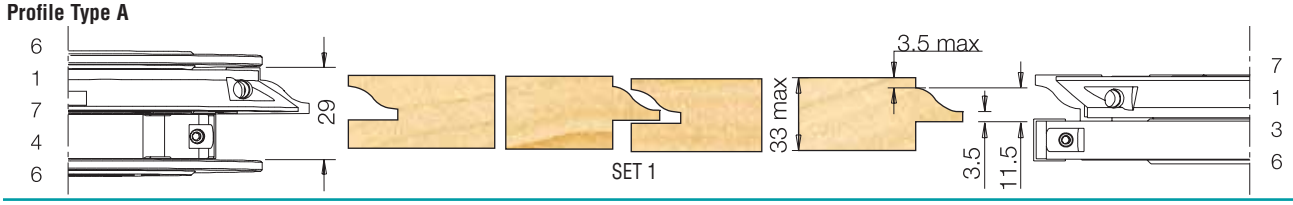
Profile 1 RCK-302 RCK-302L

Profile 2 RCK-300 RCK-300L

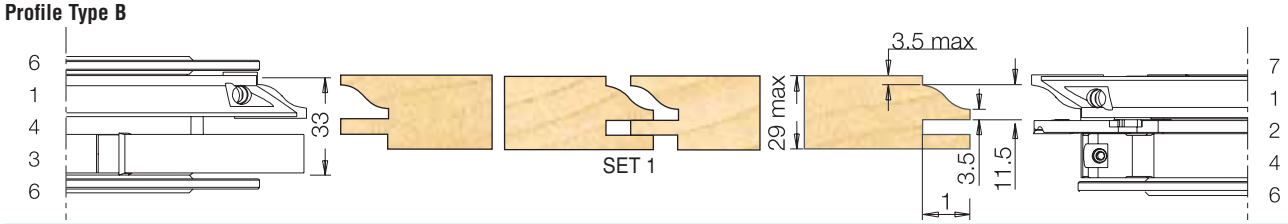
Profile 3 RCK-304 RCK-304L

Profile 4 RCK-306 RCK-306L

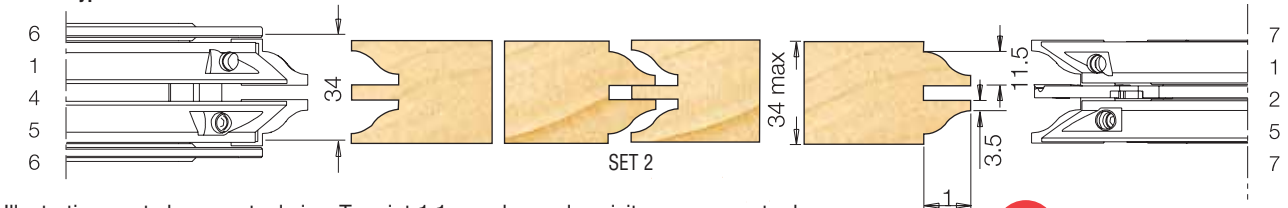
Profile Type A



Profile Type B



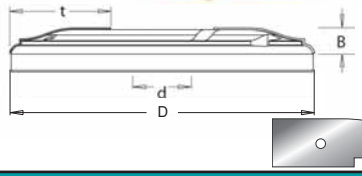
Profile Type C



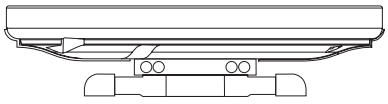
Illustrations not shown actual size. To print 1:1 wood samples visit www.amanatool.com.
For a complete replacement parts listing for the above cutters please refer to our website: ***www.amanatool.com***

INSERT RAISED PANEL CUTTER & BACKCUTTER

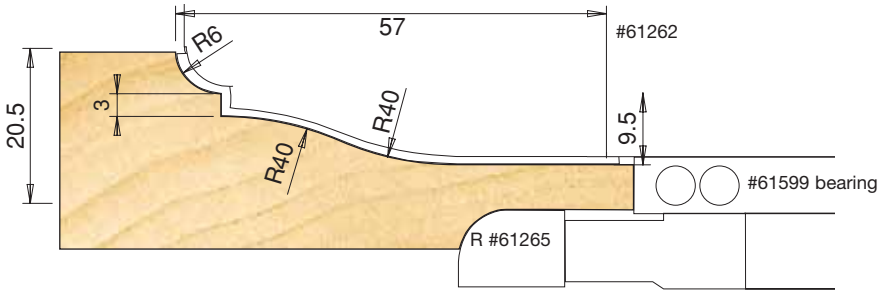
Cutterhead in hard wearing aluminum, complete with tungsten carbide knives. Suitable for producing raised panel profiles in softwood, hardwood and man-made boards on a spindle molder.



ØD	R	B	Ød	Max. t	Tool No.	RPM	Repl. T.C. Knife	Repl. Rub Collar	Description
180(7-1/16")	—	25(1")	1-1/4"	57(2-1/4")	**61262**	4,500-7,500	RCK-78	61599	Raised Panel
New 104(4-3/32")	5/16"	18(23/32")	1-1/4"	—	**61265**	7,600-10,000	RCK-132	—	Back Cutter

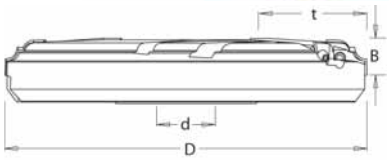


#61262 with back cutter #61265 and bearing #61599

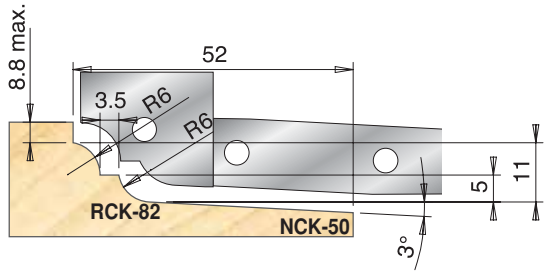


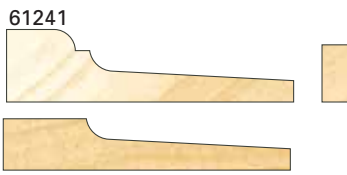
INSERT RAISED PANEL CUTTER

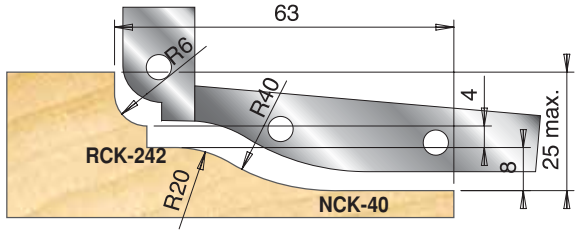
Cutterheads in hard wearing aluminum, complete with two tungsten carbide knives and two scribes. Suitable for producing various raised panel profiles in softwood, hardwood and man-made boards. Raising or lowering the cutterhead on the spindle molder produces different profiles.

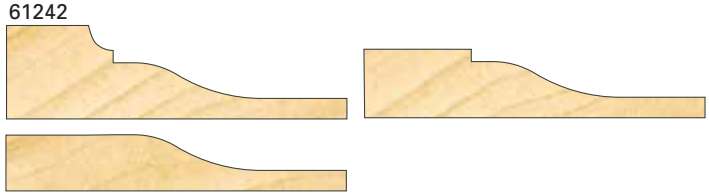


ØD	B	Teeth	Ød	Tool No.	Max. t	RPM	Repl. T.C. Knife	
200(7-7/8")	20(7/8")	2+2	1-1/4"	**61241**	52(2-1/16")	3,800-6,500	RCK-82	NCK-40
200(7-7/8")	24(15/16")	2+2	1-1/4"	**61242**	63(2-1/2")	3,800-6,500	RCK-242	NCK-50









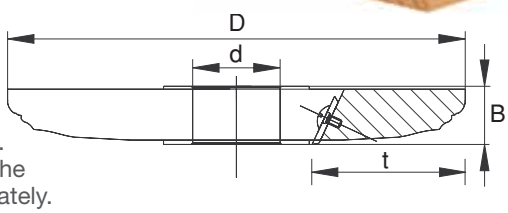
Illustrations not shown actual size. To print 1:1 wood samples visit www.amanatool.com.
For a complete replacement parts listing for the above cutters please refer to our website: ***www.amanatool.com***

Insert Shaper Cutters

INSERT RAISED PANEL CUTTER

Three different carbide knife profiles for raised panels are available for this aluminum alloy cutterhead. Knives have two cutting edges each. In the standard package, the Traditional profile knives (No. RCK-42) are furnished with the cutterhead. Only a regular flat-blade screwdriver is required to change knives. To cut the Ogee or Cove profiles, order the cutterhead and the desired knives separately.

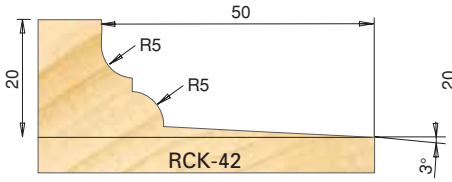
Aluminum | EN847-1 EN847-2 | Hand Feed

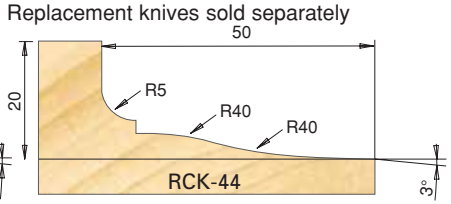


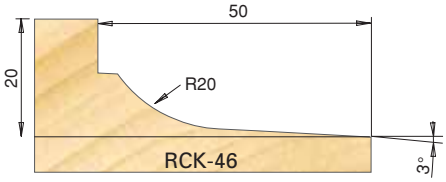
ØD	B	Teeth	Ød	Tool No.	Max. t	RPM
160(6-1/4")	22(7/8")	2+2	1-1/4"	* **61260**	50(2")	4,800-8,000

*RCK-42 included.

Replacement knives sold separately



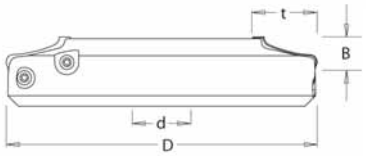


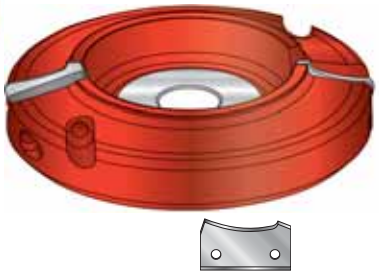


INSERT DOOR EDGE CUTTER

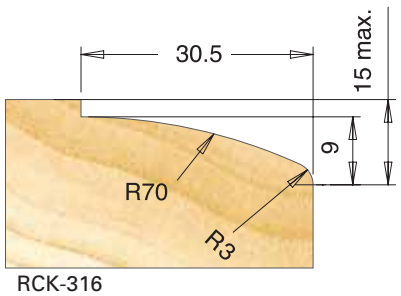
Cutterhead in hard wearing aluminum, complete with two tungsten carbide knives. Suitable for profiling door edges in softwood, hardwood and man-made boards on a spindle molder. Same tool body accepts all five different profiles.

Aluminum | EN847-1 EN847-2 | Hand Feed

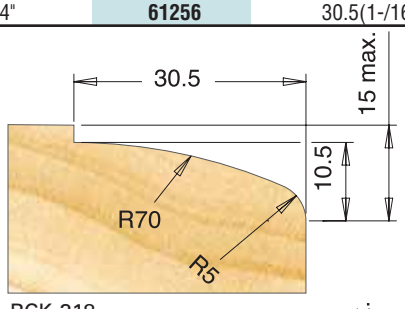




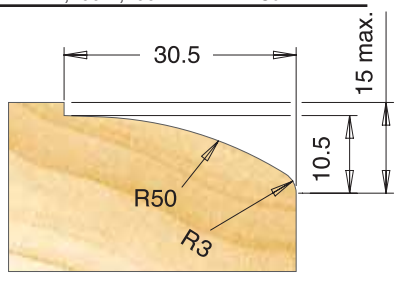
ØD	B	Ød	Tool No.	Max. t	RPM	Repl. T.C. Knife
180(7-1/16")	40(1-1/2")	1-1/4"	**61251**	30.5(1-/16")	4,200-7,400	RCK-310
180(7-1/16")	40(1-1/2")	1-1/4"	**61252**	30.5(1-/16")	4,200-7,400	RCK-312
180(7-1/16")	40(1-1/2")	1-1/4"	**61253**	30.5(1-/16")	4,200-7,400	RCK-314
180(7-1/16")	40(1-1/2")	1-1/4"	**61254**	30.5(1-/16")	4,200-7,400	RCK-316
180(7-1/16")	40(1-1/2")	1-1/4"	**61255**	30.5(1-/16")	4,200-7,400	RCK-318
180(7-1/16")	40(1-1/2")	1-1/4"	**61256**	30.5(1-/16")	4,200-7,400	Set



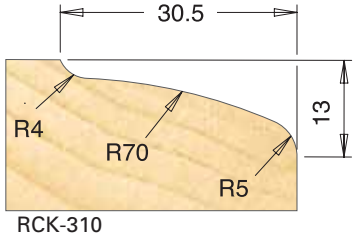
RCK-316



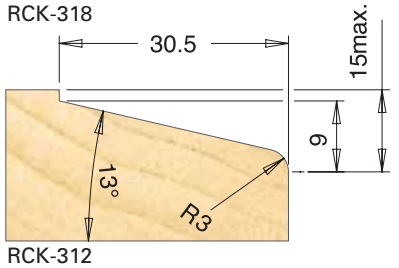
RCK-318



RCK-314



RCK-310



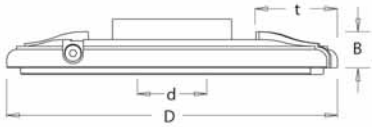
RCK-312

Illustrations not shown actual size. To print 1:1 wood samples visit www.amanatool.com.
For a complete replacement parts listing for the above cutters please refer to our website: ***www.amanatool.com***

INSERT PANEL RAISED CUTTERHEAD

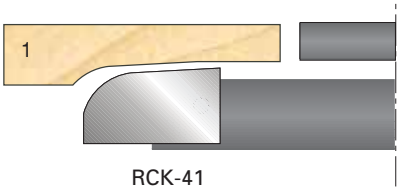
Aluminum | EN847-1 EN847-2 | Hand Feed

Cutterhead in hard wearing aluminum, complete with tungsten carbide knives. Suitable for producing various raised panel profiles in softwood, hardwood and man-made boards on a spindle molder. Same tool body accepts all three different profiles.

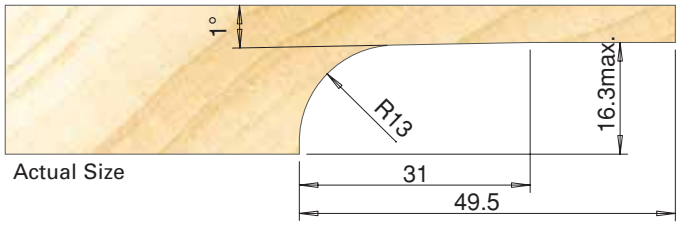


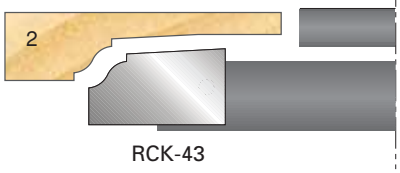
ØD	B	Profile	Ød	Tool No.	Max. t	RPM	Repl. T.C. Knife
156(6-5/32")	17(11/16")	1	1-1/4"	**61170**	49.5(2")	5,000-9,000	RCK-41
156(6-5/32")	17(11/16")	2	1-1/4"	**61172**	49.5(2")	5,000-9,000	RCK-43
156(6-5/32")	17(11/16")	3	1-1/4"	**61174**	49.5(2")	5,000-9,000	RCK-45
Set	17(11/16")	Set	1-1/4"	**61173**	49.5(2")	5,000-9,000	RCK-41, RCK-43, RCK-45

Note: Ball Bearing #61599 does not come with cutter, needs to be ordered separately.

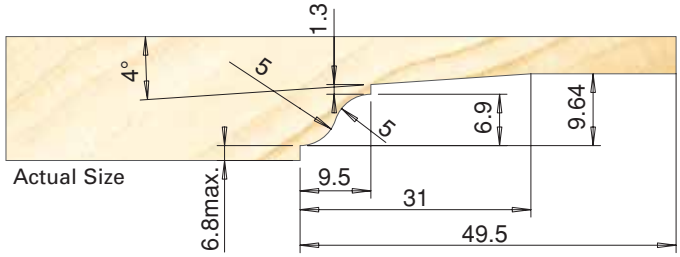


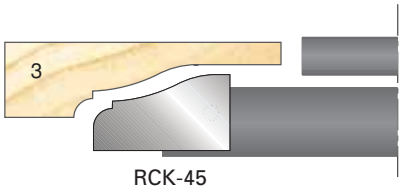
RCK-41



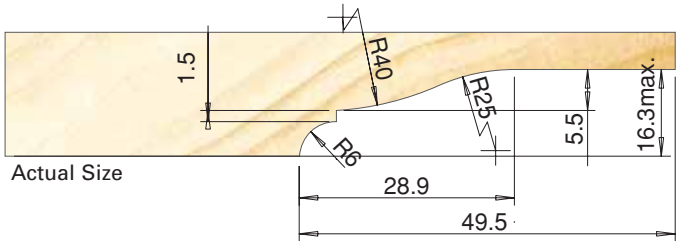


RCK-43





RCK-45



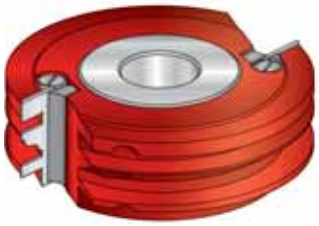
INSERT SHAPER CUTTERS

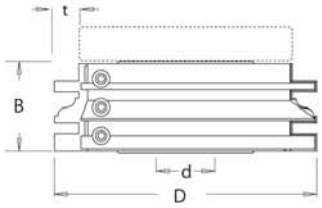
Illustrations not shown actual size. To print 1:1 wood samples visit www.amanatool.com.
For a complete replacement parts listing for the above cutters please refer to our website: ***www.amanatool.com***

INSERT STILE & RAIL CUTTER

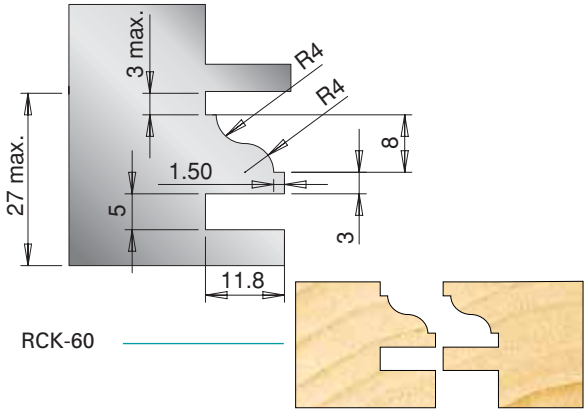
Cutterhead in hard wearing aluminum alloy with one-sided reversible tungsten carbide knives, utilizing the same knives for both stile and rail cuts by simply adjusting the spindle height of your shaper. Same tool body accepts all four different profiles. 3mm T-handle hex key included. To change profiles order individual knives separately. All patterns are designed for 7/8" through 1" thick materials.

Aluminum | EN847-1 EN847-2 | Hand Feed

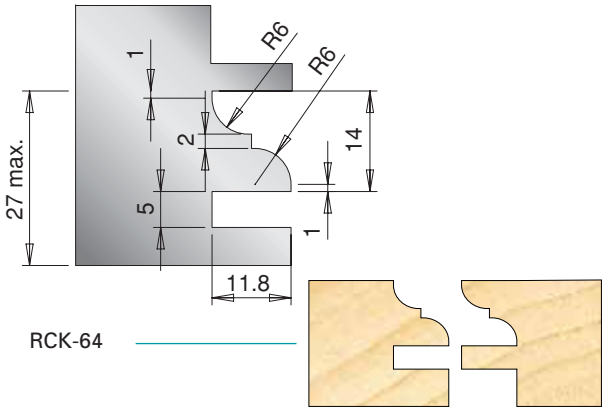




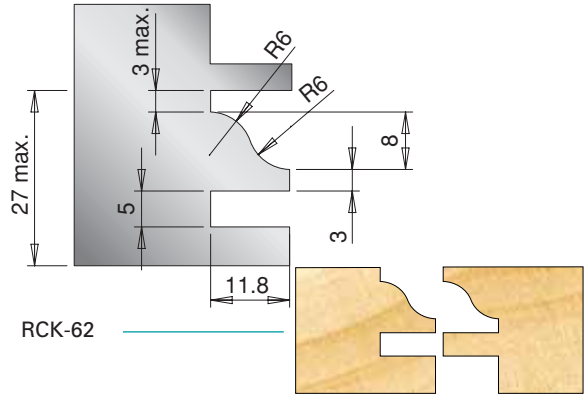
ØD	B	Teeth	Ød	Tool No.	Max. t	RPM	Repl. T.C. Knife
120(4-3/4")	40(1-1/2")	2	1-1/4"	**61272**	11.8(15/32")	6,400-8,400	RCK-60
120(4-3/4")	40(1-1/2")	2	1-1/4"	**61273**	11.8(15/32")	6,400-8,400	RCK-64
120(4-3/4")	40(1-1/2")	2	1-1/4"	**61274**	11.8(15/32")	6,400-8,400	RCK-62
120(4-3/4")	40(1-1/2")	2	1-1/4"	**61275**	11.8(15/32")	6,400-8,400	RCK-66



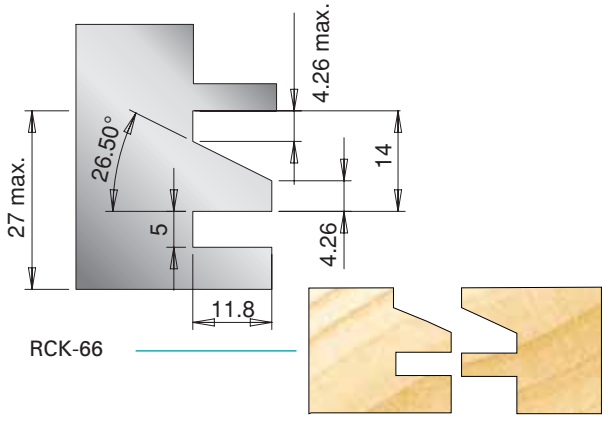
RCK-60



RCK-64



RCK-62



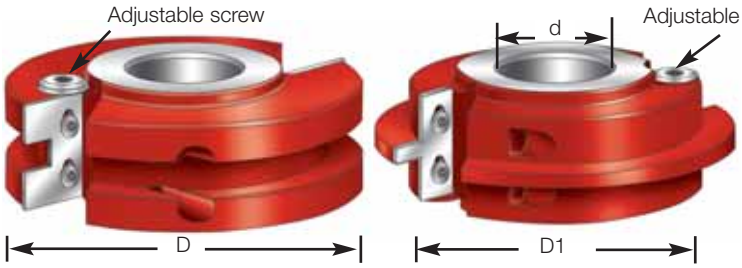
RCK-66

INSERT SHAPER CUTTERS

Knife and wood samples not shown actual size.

MISSION STYLE

FLAT PANEL CABINET DOOR MAKING SET



ADJUSTABLE TONGUE & GROOVE INSERT CUTTER SET

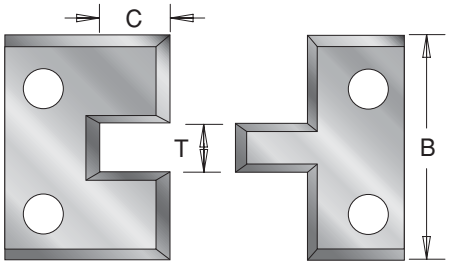
New

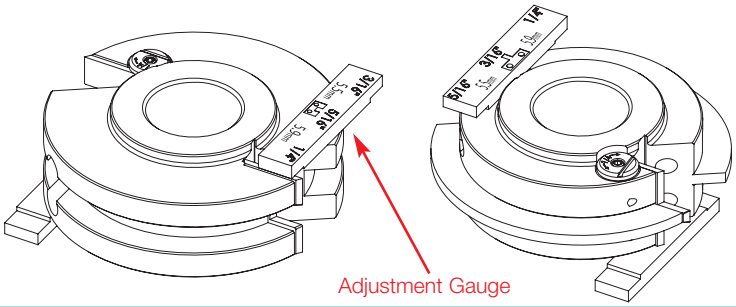
PATENT PENDING

The perfect fix for undersized plywood flat panel "Mission Style, Arts & Crafts and Shaker" cabinet doors.
Set includes unique adjustment system & 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 1-1/2" in thickness.**

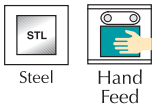
ØD	ØD1	T	C	B	Tool No.	Ød	RPM	Repl. T.C. Knife	Rub Collar
4"	3-1/4"	4.7-7.9 (3/16"-5/16")	3/8"	1-1/2"	**61218**	1-1/4"	12,900	RCK-236 RCK-238	C-033

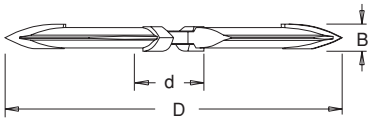


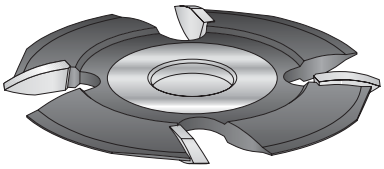


LAMELLO® - CARBIDE TIPPED RESIN POCKET CUTTER

Hard wearing steel tool body complete with four tungsten carbide tips. Suitable for producing grooves & slots in softwood & hardwood for hiding ugly resin spots or knots.



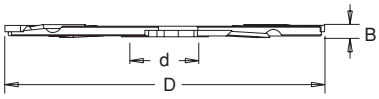


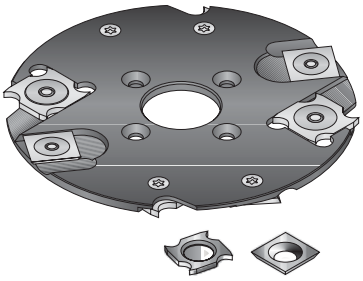


ØD	B	Teeth	Tool No.	Ød	RPM
100(4")	8(5/16")	4	**61108**	7/8"	7,700-15,000
100(4")	15(19/32")	4	**61109**	7/8"	7,500-13,400

LAMELLO® - INSERT BISCUIT JOINT CUTTER

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	Tool No.	Ød	RPM	Repl. T.C. Knife
100(4")	4(5/32")	2+2	**61450**	7/8"	7,700-15,000	RCK-18 RCK-71
100(4")	4(5/32")	4+4	**61452**	7/8"	7,700-15,000	RCK-18 RCK-71

Illustrations not shown actual size. To print 1:1 wood samples visit www.amanatool.com.
For a complete replacement parts listing for the above cutters please refer to our website: ***www.amanatool.com***

Amana Tool®

PROFILE PRO™ SHAPER CUTTERS

12 Popular Profiles Now Available Carbide Tipped

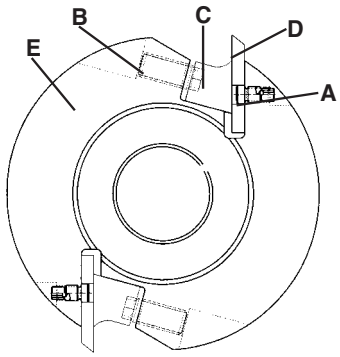
P. 277 & 278

Note: Machine safety guards have been removed for photo clarity.

The Profile Pro™ Universal Shaper Cutter System from Amana Tool®.
Designed for professionals, the Profile Pro™ features over 135 different interchangeable steel knife patterns, ranging from molding to joinery to door sets, which can all be used with a single cutterhead. Blank (unground) knives are also available for custom patterns.

Above: Aluminum-alloy **Profile Pro™** shaper head

The Profile Pro™ features a unique system of fixed steel pins (A), screws (B) and a wedge block (C) that simultaneously indexes and secures the knives (D) to the head (E). This enables fast, accurate set-ups and eliminates the tedious task of adjusting the knives. This type of system also offers greater safety over other types of cutterheads.



The Profile Pro™ cutterheads are 100mm, 110mm and 120mm black-oxide finished solid steel or 68mm, 88mm, 100mm and 120mm anodized lightweight aluminum alloy. The steel cutterheads are recommended for heavy-duty type shapers with 3 horsepower or more. The aluminum heads, which are 60% less weight than their steel counterparts, are recommended for all spindle shapers, especially smaller machines with 2 horsepower or less.

Above: Solid steel **Profile Pro™** shaper head

When selecting the diameter, choose a cutterhead that will properly fit within the table insert rings of your shaper. The diameters shown are for the head only, so you must add from 14mm to 38mm to the diameter to allow for the knives. (Example: Cutterhead #61100 or SCS-1000 (88mm) with #64F000 straight knives (add 14mm) = 102mm total outside diameter.)

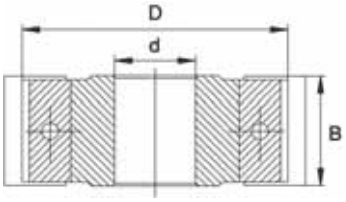
PROFILE PRO™ MULTI-SHAPER STARTER SETS

All sets include the basic 68mm & 88mm diameter aluminum alloy cutterhead and seven pairs of interchangeable profile knives. Also included is a custom hardwood storage box, hex key and color poster showing many of the different available knife profiles. Look over the following pages for a full line of aluminum and steel cutterheads in 3/4", 1", 1-1/4" and 30mm bores, a wide array of additional knives, T-bushings for 1/2" and 3/4" diameter arbors, and empty hardwood storage boxes.

ØD	B	Set No.	Ød	RPM Ideal/max.
68mm (2-11/16)	40mm (1-1/2)	* SCS-1106	3/4-1/2	7000/9000
88mm (3-1/2)	40mm (1-1/2)	SCS-1000	1	7000/9000
88mm (3-1/2)	40mm (1-1/2)	SCS-1002	30mm	7000/9000
88mm (3-1/2)	40mm (1-1/2)	SCS-1004	1-1/4	7000/9000

ØD	B	Set No.	Ød	RPM Ideal/max.
68mm (2-11/16)	40mm (1-1/2)	* SCS-1108	3/4-1/2	7000/9000
88mm (3-1/2)	40mm (1-1/2)	SCS-1100	30mm	7000/9000
88mm (3-1/2)	40mm (1-1/2)	SCS-1102	1	7000/9000
88mm (3-1/2)	40mm (1-1/2)	SCS-1104	1-1/4	7000/9000

*Includes 2 Bushings (#BU-561) 3/4"-1/2"

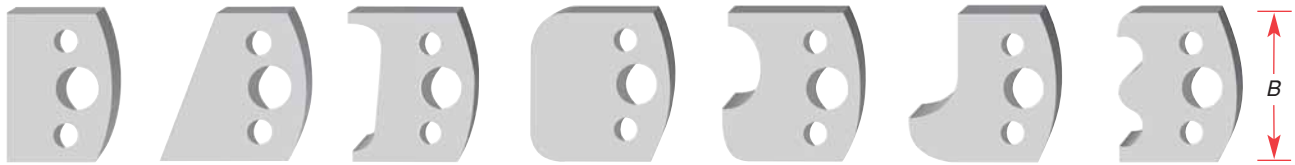


Replacement Parts:

Description	Tool No.	Size	Qty. Required
Wedge blocks	WB-40	For 40mm knives	2
Allen socket knife screws	67144	8x16mm	2
'L' shaped allen key	5010	4mm	1
Wood storage box	62282	For 6 pair of knives	1
Bushing	BU-561	3/4"-1/2"	2
Knife set pins	67153	–	4

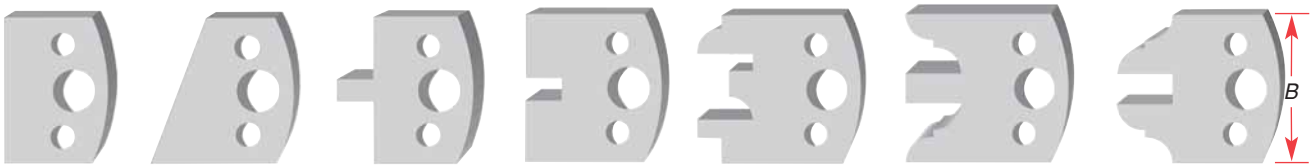
The following 40mm knives are included in each set:

SCS-1000/1002/1004/1106



64F000 64F001 64F002 64F003 64F004 64F005 64F006

SCS-1100/1102/1104/1108



64F000 64F001 *64F016 *64F017 64F096 64F098 64F099

***Note:** Part #'s 64F016 and 64F017 available carbide tipped, see page 277 for more information.

Knives shown at approx. 50% of actual size. See pages 277-278 for larger selection of knives.

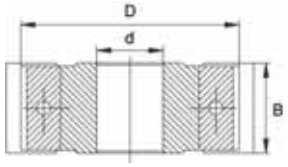
Illustrations not shown actual size. To print 1:1 wood samples visit ***www.amanatool.com***.

PROFILE PRO™ SHAPER CUTTERS

ALUMINUM CUTTERHEADS (for 40mm Knife System)

Profile Pro™ red anodized aluminum alloy cutterheads in 68, 88, 100 or 120mm diameters.

ØD	B	Tool No.	Ød	RPM Ideal/Max.
68mm	40mm (1-1/2)	*61068	3/4	7000/9000
88mm (3-1/2)	40mm (1-1/2)	61100	30mm	7000/9000
88mm (3-1/2)	40mm (1-1/2)	61102	1	7000/9000
88mm (3-1/2)	40mm (1-1/2)	61104	1-1/4	7000/9000
100mm (4)	40mm (1-1/2)	61200	1	5800/9000
100mm (4)	40mm (1-1/2)	61204	30mm	5800/9000
100mm (4)	40mm (1-1/2)	61208	1-1/4	5800/9000
120mm (4-3/4)	40mm (1-1/2)	61228	1	5100/7900
120mm (4-3/4)	40mm (1-1/2)	61232	30mm	5100/7900
120mm (4-3/4)	40mm (1-1/2)	61236	1-1/4	5100/7900



See page 229 for reducing 'T' bushings. *Includes 2 Bushings (BU-561) 3/4"-1/2".

ØD	B	Tool No.	Ød	RPM Ideal/Max.
120mm	50mm	+61237	1-1/4	4500/6600

+**WARNING!:** Fits only blank knives 5.5mm thick #65RM127 and #HSSRM127 found on page 276.

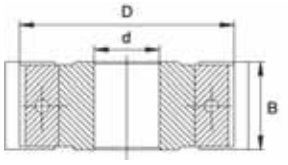
STEEL CUTTERHEADS (for 40mm Knife System)

Profile Pro™ black oxide solid steel cutterheads in 100 or 120mm diameters.

ØD	B	Tool No.	Ød	RPM Ideal/Max.
100mm (4)	40mm (1-1/2)	61212	1	5800/9000
100mm (4)	40mm (1-1/2)	61216	30mm	5800/9000
100mm (4)	40mm (1-1/2)	61220	1-1/4	5800/9000
120mm (4-3/4)	40mm (1-1/2)	61240	1	5100/7900
120mm (4-3/4)	40mm (1-1/2)	61244	30mm	5100/7900
120mm (4-3/4)	40mm (1-1/2)	61248	1-1/4	5100/7900

Replacement Parts:

Description	Tool No.	Size	Qty. Required
Allen socket screws	67144	8x16mm	2
Wedge blocks	WB-40	For 40mm knives	2
'L' shaped allen key	5010	4mm	1
Knife set pins	67153		4



See page 281 for reducing 'T' bushings.

STEEL CUTTERHEADS (for 60mm Knife System)

Profile Pro™ black oxide solid steel cutterhead.

ØD	B	Tool No.	Ød	RPM Ideal/Max.
110mm (4)	60mm (2-3/8)	**61249**	1-1/4	4200/6000

Blank unground knife may be found below.
Profile knives may be found on bottom of page 278.

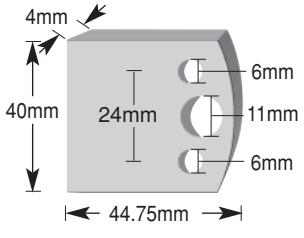
HARDWOOD STORAGE BOXES

Beautifully made custom hardwood storage boxes will accommodate either 6, 12, 24 or 36 pairs of 40mm knives along with one Profile-Pro™ cutterhead. Order knives and cutterhead separately.

Description	Tool No.	Max. Head Dia.
Empty hardwood box for 6 pr. 40mm knives	**62282**	100mm
Empty hardwood box for 12 pr. 40mm knives	**62284**	120mm
Empty hardwood box for 24 pr. 40mm knives	**62286**	120mm
Empty hardwood box for 36 pr. 40mm knives	**62288**	120mm

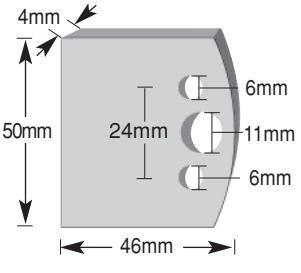
BLANK (UNGROUND) KNIVES FOR CUSTOM GRINDING

64RM193



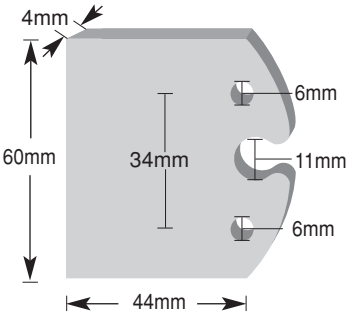
40mm

64RM599



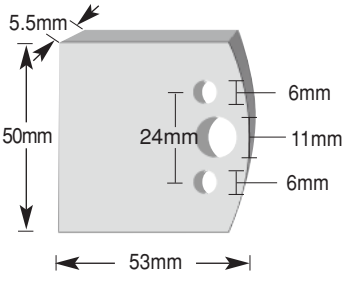
50mm

****66RM600**



60mm

***65RM127**
***HSSRM127** (High Speed Steel)



50mm

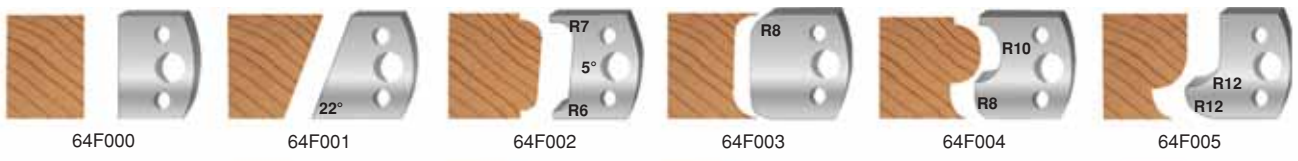
***WARNING!:** Fits only on special cutter head #61237, page 275.
****Fits only on special cutter head #61249

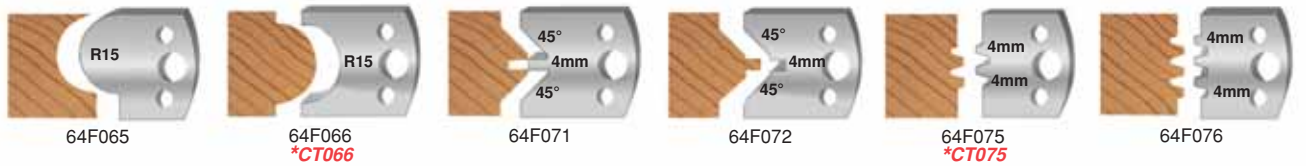
Illustrations not shown actual size. To print 1:1 wood samples visit ***www.amanatool.com***.

Insert Shaper Cutters

40mm STEEL KNIVES

*12 Popular Profiles Now Available Carbide Tipped





***Note:** Part #'s beginning with "CT" and marked in red are carbide tipped.

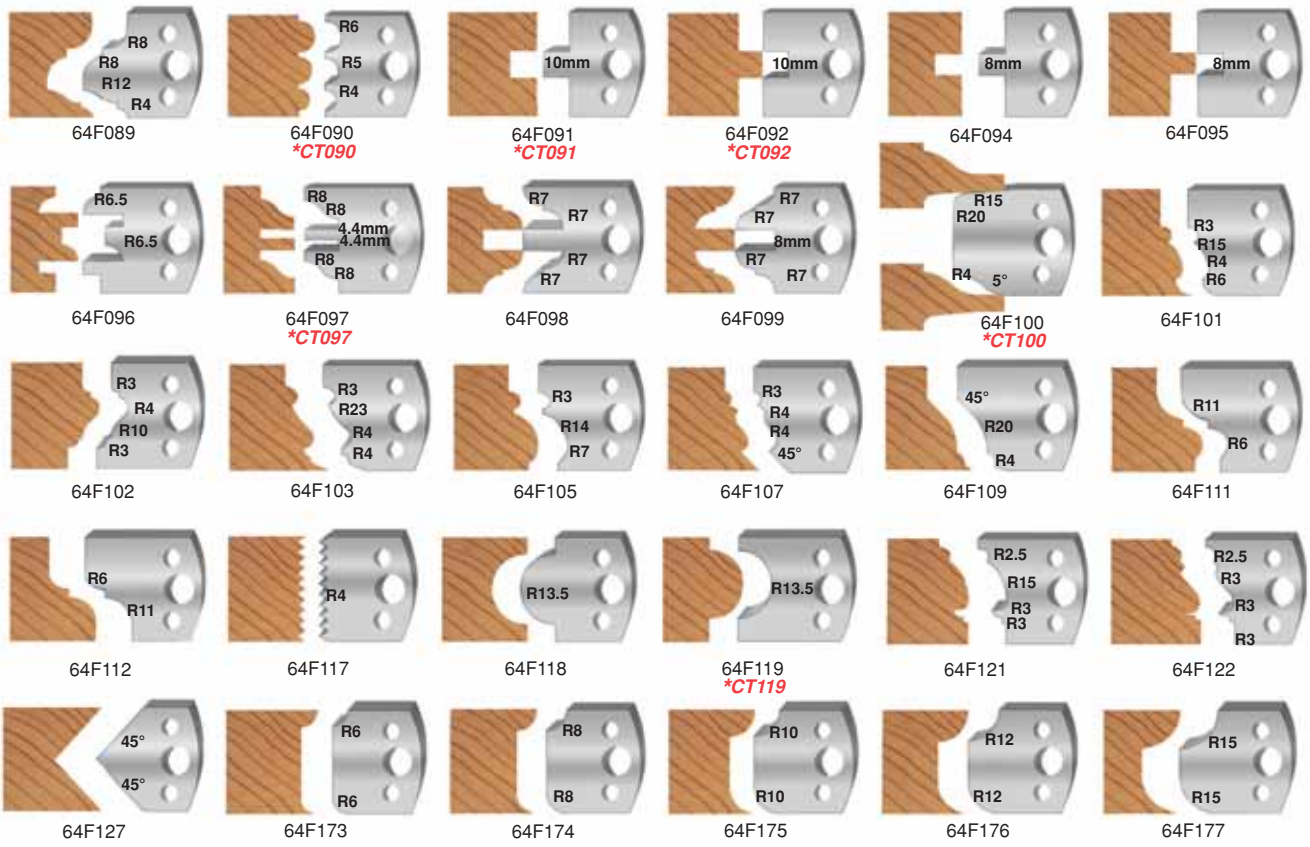
Note: All knives are 40mm and are not shown at actual size. Each part # consists of one pair.
See page 276 for blank (unground) knives.

Specifications shown ('R8', 'R10' etc.) are in millimeters.
Illustrations not shown actual size. For additional profiles or to print 1:1 wood samples visit www.amanatool.com.

More Profiles Available On Our Website
www.amanatool.com

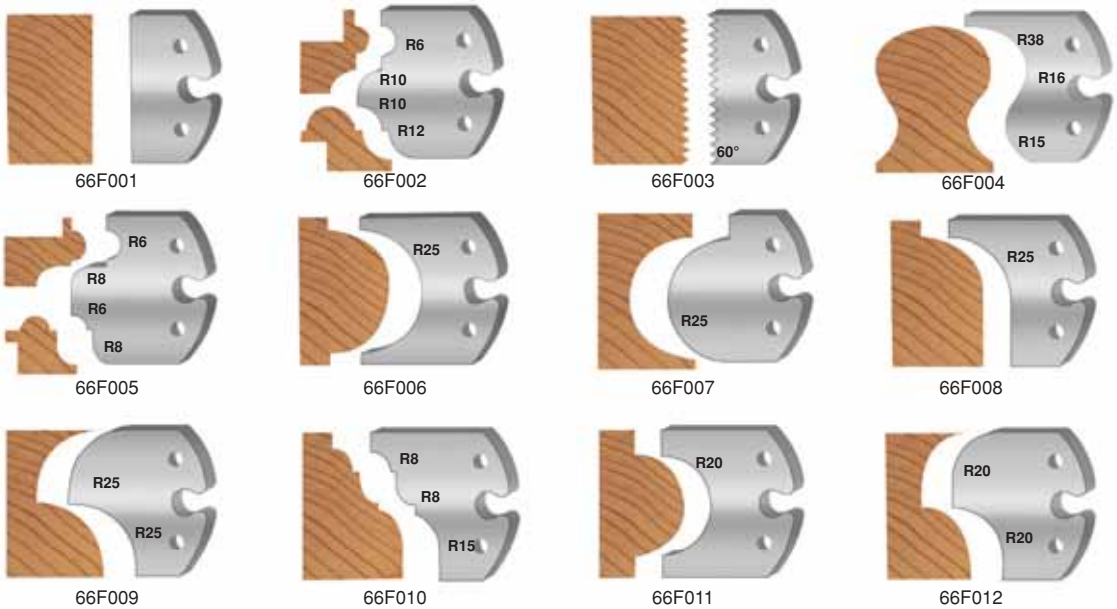
40mm STEEL KNIVES

***12 Popular Profiles Now Available Carbide Tipped**



+60mm STEEL KNIVES

(Limiters Included)



***Note:** Part #'s beginning with "CT" and marked in red are carbide tipped.

Note: All knives are 40mm and are not shown at actual size. Each part # consists of one pair. See page 276 for blank (unground) knives.

More Profiles Available On Our Website
www.amanatool.com

Specifications shown ('R8', 'R10' etc.) are in millimeters.
Illustrations not shown actual size. For additional profiles or to print 1:1 wood samples visit *www.amanatool.com*.

Insert Shaper Cutters

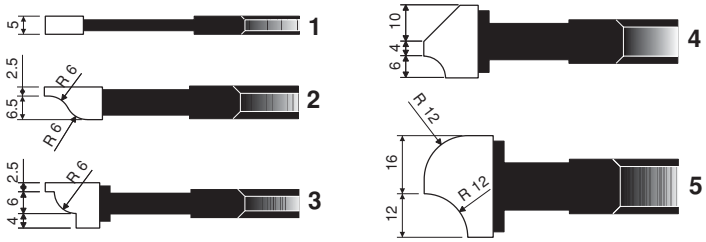
MULTIPRO™ SHAPER CUTTERS

ENDLESS POSSIBILITIES are yours when you purchase this set of 5 Carbide Tipped 2-Wing Cutters allowing you to execute countless profiles and shapes.

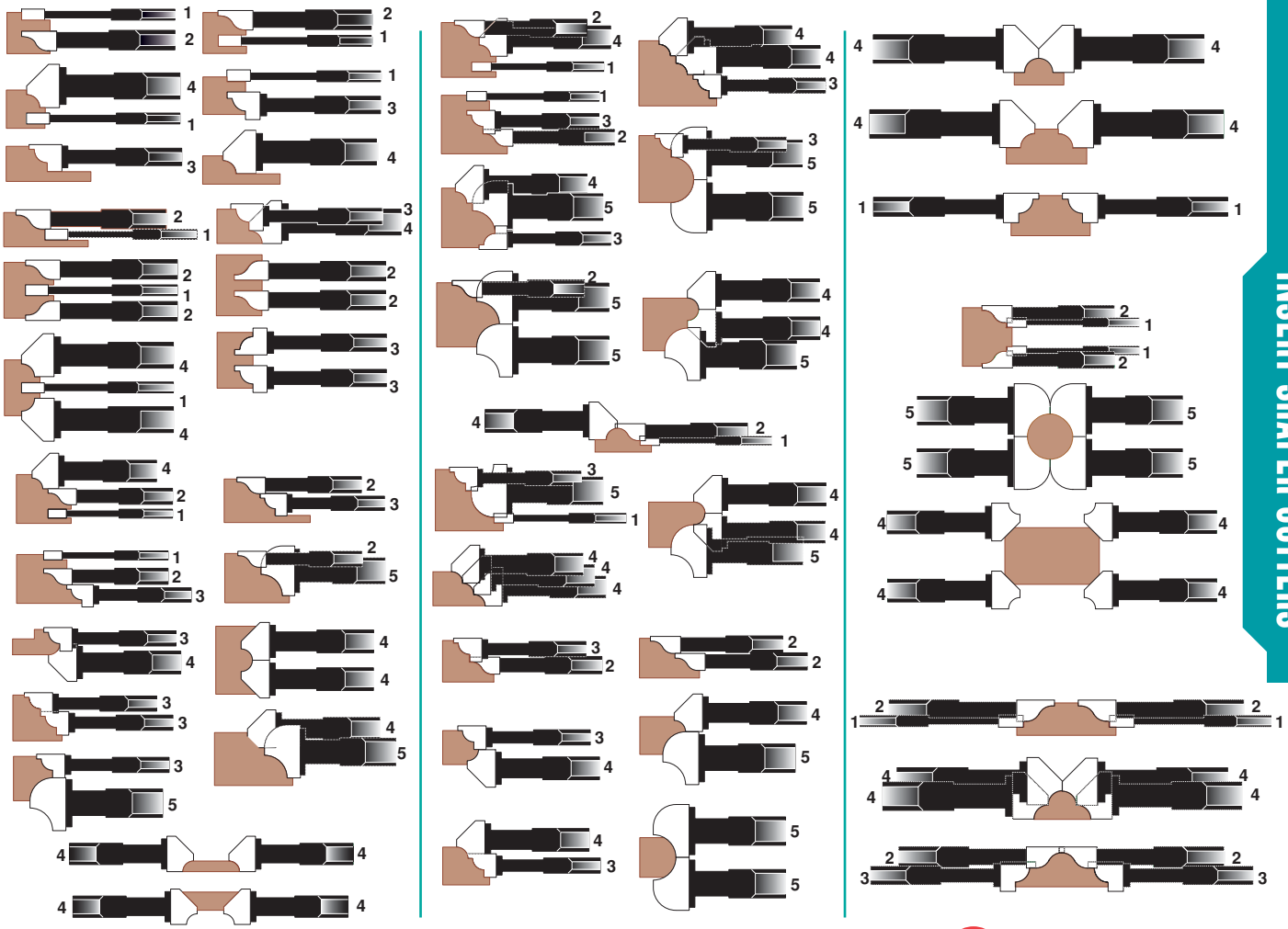
SCS-2100 Complete Set w/1-1/4" Bore.

Tool No.	Cutter No.	D	d	B	Max. RPM
SCS2100-1	1	140mm	1-1/4	5mm	9,000
SCS2100-2	2	140mm	1-1/4	9mm	9,000
SCS2100-3	3	140mm	1-1/4	12.5mm	9,000
SCS2100-4	4	140mm	1-1/4	20mm	9,000
SCS2100-5	5	140mm	1-1/4	28mm	9,000
*BU-940	—	1-1/4 to 1 - 5 PIECE BUSHING SET			
*BU-942	—	1-1/4 x 30mm - 5 PIECE BUSHING SET			

*Not included in sets



The following are illustrations showing the different profiles and combinations based on single, double and triple cut. We have enclosed a set of spacers to adjust the spacing as needed. (Illustrations are not shown at actual size.)



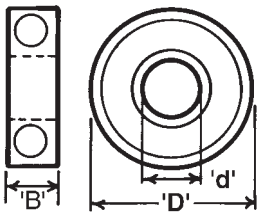
INSERT SHAPER CUTTERS

Illustrations not shown actual size. To print 1:1 wood samples visit ***www.amanatool.com***.

BALL BEARING RUB COLLARS FOR SHAPER CUTTERS

New SIZES

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 281 for additional rub collars.



FOR 1/2", 3/4" & 1-1/4" DIAMETER SPINDLES

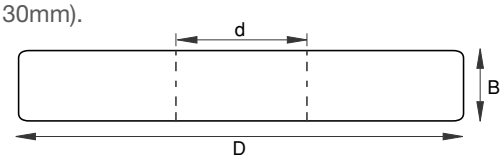
Ød	ØD(mm/Inch)	Tool No.	B	Use for Amana Tool® No.
1/2	0.874 (7/8)	C-001	5/32	SC600
1/2	1.125 (1-1/8)	*47800	5/16	
1/2	1.250 (1-1/4)	C-002	5/32	SC602, SC604, SC606
1/2	1.374 (1-3/8)	C-003	5/32	
1/2	1.500 (1-1/2)	*47806	5/16	993
3/4	1.457	C-043	9.5mm	939, SC624, SC642
3/4	1.500 (1-1/2)	C-044	9.5mm	977
3/4	1.625 (1-5/8)	C-005	7/16	905, 950, 906, 929, 930, SC626, SC636, SC638, SC650, SC652, SC654, SC656, SC658
3/4	1.687 (1-11/16)	*47810	7/16	957,
3/4	1.750 (1-3/4)	C-006	7/16	900, 901, 968, 969, 980, 998, 991, SC410, SC412 SC414, SC416, SC630, SC640, SC646
3/4	1.811	C-007	7/16	965, SC442, SC444, SC446, SC582, SC592
3/4	1.874 (1-7/8)	C-008	7/16	921, 922, 927, 928, 932, 938, 940, 945, 952, 958, 994, SC554, SC558, SC590, SC634, SC648,
3/4	1.937 (1-15/16)	C-004	7/16	964, SC400, SC402, SC404, SC406,SC408
3/4	1.964	C-009	7/16	SC440, SC460
3/4	2.000	C-010	7/16	902, 903, 904, 951, 966, SC442, SC644, SC446
3/4	2.063	C-022	7/16	922
3/4	2.031 (2-1/32)	C-039	7/16	SC585
3/4	2.106	C-023	7/16	992
3/4	2.125 (2-1/8)	C-011	7/16	905, 925, 926, 959, 999, SC618, SC640
3/4	2.153	C-024	7/16	975, 976
3/4	2.187 (2-3/16)	*47820	7/16	
3/4	2.216	C-012	7/16	SC444
3/4	2.250 (2-1/4)	C-025	7/16	972, 974, SC628
3/4	2.272	C-013	7/16	
3/4	2.295	C-014	7/16	933, SC616, SC441
3/4	2.311	C-026	7/16	911
3/4	2.375 (2-3/8)	C-015	7/16	960, 961, 971, 973, SC620, SC622
3/4	2.425	C-027	7/16	962
3/4	2.468	C-028	7/16	960, 961
3/4	2.500 (2-1/2)	C-016	7/16	940, 945, 986-VC, 985-VC, 994
3/4	2.555	C-029	7/16	934, 935, 936, 937
3/4	2.625 (2-5/8)	*47822	7/16	984-VC, 987-VC, SC430, SC432
3/4	2.733	C-030	7/16	967
3/4	2.937 (2-15/16)	*47824	7/16	
1-1/4	1.850	C-045	9mm	989
1-1/4	2.000	C-050	9mm	SC532, SC534, SC536
1-1/4	2.165	C-051	1/2	SC680, SC682
1-1/4	2.312 (2-5/16)	C-040	9mm	SC593
1-1/4	2.375 (2-3/8)	C-041	1/2	924
1-1/4	2.500 (2-1/2)	C-017	1/2	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, SC510, SC511, SC512, SC514, SC516, SC520, SC522, SC524, SC526, SC528, SC530, SC556,SC559, SC580, SC617
1-1/4	2.531	C-018	1/2	SC584, SC594
1-1/4	2.562 (2-9/16)	C-042	1/2	924
1-1/4	2.688	C-019	1/2	SC424, SC540, SC542, SC544, SC546, SC548, SC550, SC560, SC562, SC564,
1-1/4	2.750 (2-3/4)	C-031	1/2	A-30-112
1-1/4	2.874 (2-7/8)	C-020	1/2	SC542, SC546, SC548
1-1/4	2.948	C-046	1/2	SC660
1-1/4	3.000	C-032	1/2	A-28-108, A-29-108, A-30-110
1-1/4	3.090	C-021	1/2	SC540, SC544, SC550
1-1/4	3.027	C-047	1/2	SC662
1-1/4	3.106	C-048	1/2	SC464, SC664
1-1/4	3.185	C-049	1/2	SC462, SC666
1-1/4	3.250 (3-1/4)	C-033	1/2	A-28-106, A-29-106, A-30-108
1-1/4	3.375 (3-3/8)	C-034	1/2	A-30-106
1-1/4	3.500 (3-1/2)	C-035	1/2	A-28-104, A-29-104, A-30-104
1-1/4	3.555	C-036	1/2	A-32-100, A-32-200, A-32-400
1-1/4	3.625 (3-5/8)	C-037	1/2	A-28-102, A-29-102, A-30-102
1-1/4	3.750 (3-3/4)	C-038	1/2	A-28-100, A-29-100, A-30-100

*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).



Order No. (Rub collar only)	ØD	B
61600	75mm	16mm
61602	80mm	16mm
61604	85mm	16mm
61606	90mm	16mm
61608	95mm	16mm
61610	100mm	16mm
61615	4"	16mm
61612	105mm	16mm
61614	110mm	16mm
61616	115mm	16mm
61618	120mm	16mm
61620	125mm	16mm
61622	130mm	16mm
61624	140mm	16mm
61626	150mm	16mm
61628	160mm	16mm
61630	170mm	16mm

Order No. (Ball bearing w/ retainer)	Ød
61650	1-1/4
61652	1
61654	30mm
61656	3/4

Order No. (retainer only)	Ød
61670	1-1/4
61672	1
61674	30mm
61676	3/4

NOTE: Bearing only (1-1/4 x 2-1/2) order **#61660** (no retainer).

DOUBLE T BUSHINGS

New

Ød	ØD	Tool No.	B
1/2	3/4	BU-918	1-5/16
3/4	1	BU-916	1-5/16
3/4	1-1/4	BU-914	1-5/16
1	1-1/4	BU-912	1-5/16

LONG T BUSHINGS

New

Ød	ØD	Tool No.	B
1/2	3/4	BU-928	1-5/16
3/4	1	BU-926	1-5/16
3/4	1-1/4	BU-924	1-5/16
1	1-1/4	BU-922	1-5/16

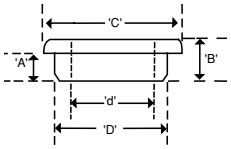
SHAPER CUTTER 'T' BUSHINGS

(WITH FLANGE), 2 REQUIRED PER CUTTER

New SIZES

Each item number consists of one of each.

Ød	ØD	A	Tool No.	B	C
1/2	3/4	5mm	BU-561	9mm	55mm
1/2	3/4	1/4	BU-550	11/32	1
1/2	1	5mm	BU-565	9mm	55mm
3/4	1	5mm	BU-564	9mm	55mm
3/4	30mm	5mm	BU-562	9mm	55mm
3/4	1-1/4	5mm	BU-570	9mm	55mm
3/4	1-1/4	1/4	BU-600	15/32	1-3/4
20MM	1-1/4	11/64	BU-724	1/4	1-3/4
1	1-1/4	3/16	BU-700	9/32	1-3/4
1	1-1/4	5mm	BU-568	9mm	55mm
1	1-1/4	1/4	BU-720	11/32	1-3/4
1	1-1/4	11/32	BU-750	1/2	1-3/4
1	1-1/4	1-5/32	BU-800	1-9/32	1-3/4
1	30mm	5mm	BU-560	9mm	55mm
1-1/8	1-1/4	13/64	BU-722	1/4	1-3/4
30mm	1-1/4	5mm	BU-566	9mm	55mm



SPACERS (SLEEVE BUSHINGS) FOR SHAPER CUTTERS

New

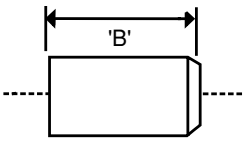
Ød	ØD	Tool No.	B
1/2	3/4	**BU-902**	.437 (7/16)
1/2	3/4	**BU-900**	.500 (1/2)
1/2	3/4	**BU-910**	.750 (3/4)
1/2	3/4	**BU-920**	1.620 (1/16)
1/2	3/4	**BU-930**	1.250 (1-1/8)
1/2	1	**67220**	.250 (1/4)
1/2	1	**67221**	.375 (3/8)
1/2	1	**67222**	.500 (1/2)
1/2	1	**67223**	.750 (3/4)
1/2	1	**67224**	1
3/4	1	**67230**	.250 (1/4)
3/4	1	**67243**	.375 (3/8)
3/4	1	**BU-904**	.437 (7/16)
3/4	1-1/4	**67225**	.250 (1/4)
3/4	1-1/4	**67226**	.375 (3/8)
3/4	1-1/4	**BU-906**	.437 (7/16)
3/4	1-1/4	**67227**	.500 (1/2)
3/4	1-1/4	**67228**	.750 (3/4)
3/4	1-1/4	**67229**	1
3/4	1-1/2	**67241**	.250 (1/4)
3/4	1-5/8	**67242**	.250 (1/4)
3/4	1-7/8	**919**	.250 (1/4)
1	1-1/4	**BU-908**	.437 (7/16)
1	1-1/2	**67231**	.250 (1/4)
1	1-1/2	**67232**	.375 (3/8)
1	1-1/2	**67233**	.500 (1/2)
1	1-1/2	**67234**	.750 (3/4)
1	1-1/2	**67235**	1
1-1/4	30mm	**67244**	..250 (1/4)
1-1/4	30mm	**67245**	.375 (3/8)
1-1/4	30mm	**67246**	.500 (1/2)
1-1/4	30mm	**67247**	.750 (3/4)
1-1/4	30mm	**67248**	1
1-1/4	1-3/4	**67236**	.250 (1/4)
1-1/4	1-3/4	**67237**	.375 (3/8)
1-1/4	1-3/4	**67238**	.500 (1/2)
1-1/4	1-3/4	**67239**	.750 (3/4)
1-1/4	1-3/4	**67240**	1

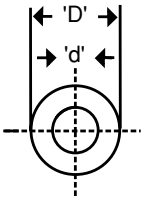
FOR 1/2" SPINDLES

FOR 3/4" SPINDLES

FOR 1" SPINDLES

FOR 1-1/4" SPINDLES





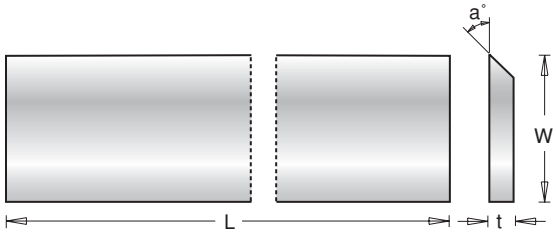
REPLACEMENT PARTS

Illustrations not shown actual size. To print 1:1 wood samples visit ***www.amanatool.com***.

PLANER & JOINTER KNIVES

T-1 HIGH-SPEED STEEL (HSS) 18% TUNGSTEN

New grade T-1 high-speed steel with 18% tungsten content. For comparison, this steel is much harder than M-2 HSS which typically has 12% tungsten. Crafted on state-of-the-art equipment, each knife is ground, honed and individually hand-hammered to exacting tolerances. Many standard sizes available individually or in sets. For a nominal charge, knives can be cut to length. Packaging: Bulk in flat tubes.



HSS PLANER & JOINTER INDIVIDUAL KNIVES (each)

T-1 HIGH-SPEED STEEL (HSS) 18% TUNGSTEN

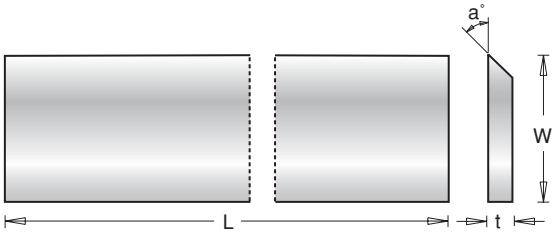
L	W	Tool No.	t	a°
15	1	**P 445**	1/8	45°
16	1	**P 442**	1/8	45°
20	1	**P 450**	1/8	45°
20	35mm	**P 455**	1/8	45°
24	1	**P 480**	1/8	45°
24	1-1/4	**P 490**	1/8	45°
24	35mm	**P 495**	1/8	45°
24	11/16	**P 520**	5/32	45°
25	3/4	**P 560**	1/8	45°
25	7/8	**P 570**	1/8	45°
25	1	**P 580**	1/8	45°
25	1-1/4	**P 590**	1/8	45°
25	35mm	**P 595**	1/8	45°
31	3/4	**P 640**	1/8	45°
31	1	**P 650**	1/8	45°
31	1-1/4	**P 660**	1/8	45°
37	5/8	**P 700**	1/8	45°
37	3/4	**P 710**	1/8	45°
37	7/8	**P 715**	1/8	45°
37	1	**P 720**	1/8	45°
37	1-1/8	**P 726**	1/8	45°
37	1-1/4	**P 730**	1/8	45°
37	1-1/2	**P 772**	1/8	45°
37	1-3/4	**P 773**	1/8	45°
37	5/8	**P 740**	3/32	45°
37	3/4	**P 750**	3/32	45°
37	3/4	**P 712**	5/32	45°
37	1	**P 722**	5/32	45°
37	1-1/8	**P 762**	5/32	45°
37	1-1/4	**P 770**	5/32	45°
37	1-3/8	**P 771**	5/32	45°
37	1-1/2	**P 774**	5/32	45°

METRIC SIZES

L	W	Tool No.	t	a°
New 10	30mm	**P 432**	1/8	45°
37	30mm	**P 727**	3mm	45°
37	30mm	**P 725**	1/8	45°
37	35mm	**P 735**	1/8	45°
400mm	30mm	**P 724**	3mm	45°
400mm	35mm	**P 732**	3mm	45°
500mm	35mm	**P 734**	3mm	45°
37	35mm	**P 736**	4mm	45°
600mm	35mm	**P 457**	3mm	45°
700mm	35mm	**P 461**	3mm	45°
1 meter	3/4	**P 460**	3mm	45°
1 meter	1	**P 459**	3mm	45°
1 meter	35mm	**P 458**	3mm	45°

Planer/Jointer Knives

HSS PLANER & JOINTER KNIFE SETS



T-1 HIGH-SPEED STEEL (HSS) 18% TUNGSTEN

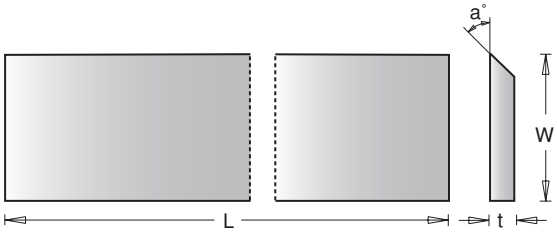
L	W	t	Tool No.	a°	Knives Per Set
4	5/8	1/8	**P 100**	45°	3
4	3/4	1/8	**P 110**	45°	3
4-3/8	5/8	1/8	**P 130**	45°	3
6	5/8	1/8	**P 150**	45°	3
6	5/8	1/8	**P 160**	45°	4
6	3/4	1/8	**P 165**	45°	3
6	7/8	1/8	**P 170**	45°	3
6-1/16	5/8	3/32	**P 190**	45°	3
6-1/8	5/8	1/8	**P 220**	45°	3
6-1/8	3/4	1/8	**P 230**	45°	3
8	5/8	1/16	**P 250**	45°	4
8	5/8	1/8	**P 270**	45°	3
8	3/4	1/16	**P 280**	45°	3
8	3/4	1/8	**P 290**	45°	3
New 8	3/4	1/8	**P 294**	45°	4
8	7/8	1/8	**P 300**	45°	3
8	1	1/8	**P 310**	45°	3
8-1/16	5/8	3/32	**P 340**	45°	3
12	5/8	1/8	**P 360**	45°	3
12	3/4	1/8	**P 370**	45°	3
12	7/8	1/8	**P 380**	45°	3
12	1	1/8	**P 390**	45°	3
12	1-1/4	1/8	**P 395**	45°	3
12-1/4	3/4	1/8	**P 410**	45°	3
12-1/4	1	1/8	**P 420**	45°	3
12-1/2	7/8	1/8	**P 430**	45°	3
12-1/2	11/16	1/8	**P 431**	45°	3
13-1/8	5/8	1/8	**P 434**	45°	3
13-1/8	11/16	5/32	**P 440**	45°	3
16-1/4	1-1/4	5/32	**P 443**	45°	3
18	1-1/4	5/32	**P 444**	45°	3
18-1/8	1-1/8	5/32	**P 446**	45°	3
18-1/4	1-1/4	5/32	**P 448**	45°	3
20-1/4	1-1/4	5/32	**P 452**	45°	3

METRIC SIZES

L	W	t	Tool No.	a°	Knives Per Set
100mm	30mm	3mm	**P 120**	45°	4
130mm	30mm	3mm	**P 140**	45°	4
150mm	30mm	3mm	**P 180**	45°	4
180mm	30mm	3mm	**P 240**	45°	4
230mm	30mm	3mm	**P 345**	45°	4

PLANER & JOINTER KNIVES SOLID CARBIDE

Ready to use: fully ground and honed Solid Carbide micro-grain planer & jointer knives. All knives are bevel-edged, and are perfectly parallel and flat, with no mounting holes or slots. Mirror finish, ground from 600 grit diamond wheels. Sold each.

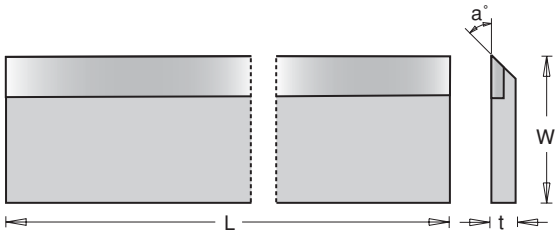


L	W	Tool No.	t	a°
4	5/8	**PSC-100**	1/8	45°
4	3/4	**PSC-110**	1/8	45°
6	5/8	**PSC-120**	1/8	45°
6	3/4	**PSC-130**	1/8	45°
8	5/8	**PSC-140**	1/8	45°
8	3/4	**PSC-150**	1/8	45°
12	3/4	**† PSC-160**	1/8	45°
12-1/2	3/4	*** PSC-170**	.088	45°
15	1	**PSC-175**	1/8	45°

†Double-sided (reversible) knives for Delta 12" planer, model #540.
*Double-sided (reversible) knives for Delta 12-1/2" planer, model #560.

PLANER & JOINTER KNIVES CARBIDE TIPPED

An economical alternative to solid carbide knives. Longer tool life than standard HSS knives.



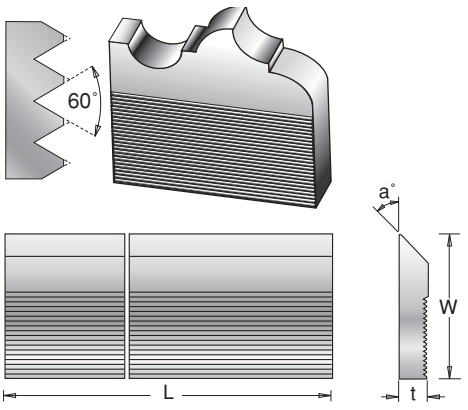
L	W	Tool No.	t	a°
4	3/4	**CTP-100**	1/8	45°
6	5/8	**CTP-110**	1/8	45°
6	3/4	**CTP-120**	1/8	45°
8	5/8	**CTP-130**	1/8	45°
8	3/4	**CTP-140**	1/8	45°
12	3/4	**CTP-150**	1/8	45°
15	3/4	**CTP-160**	1/8	45°
15	1	**CTP-170**	1/8	45°
20	1	**CTP-200**	1/8	45°

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.

L	W	Tool No.	Thickness
82.0mm (3-1/4")	5.5mm	**ICK-100**	1.12mm
82.7mm (3-1/4")	5.5mm	**ICK-200**	1.12mm

CORRUGATED BACK MOULDER STEEL M-2 HIGH-SPEED STEEL (HSS)



L	Tool No. t = 1/4"	Tool No. t = 5/16"	W	a°
25	**CSK-100**	**CSK-300**	1-1/4	45°
25	**CSK-110**	**CSK-310**	1-1/2	45°
25	**CSK-120**	**CSK-320**	1-3/4	45°
25	**CSK-130**	**CSK-330**	2	45°
25	**CSK-140**	**CSK-340**	2-1/4	45°
25	**CSK-150**	**CSK-350**	2-1/2	45°
25	**CSK-160**	**CSK-360**	2-3/4	45°
25	**CSK-170**	**CSK-370**	3	45°

Hand Tools & Shop Tools

DICUT™ CARBIDE-TIPPED LAMINATE CUTTER

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.

EVERY WOODWORKER SHOULD OWN ONE!

Description	Tool No.
Dicut™ Laminate Cutter	**20003**

Useful for precision cutting of: **Formica®, plastic, and Plexiglas®.**

CARBIDE SWIVEL DE-BURRING REAMER & CARBIDE SCRAPER

Excellent general purpose shop tools for scraping, hole de-burring, etc. Both tools feature large ergonomically designed handles and solid carbide replaceable blades.

Description	Tool No.	Application
Carbide swivel de-burring reamer	**20006**	Laminate trimming, "safe-edging", hole de-burring
Replacement blade for above	**20007**	—
Carbide hole scraper	**20008**	General purpose
Replacement blade for above	**20009**	—

MAGNETIC KNIFE SETTER FOR PLANERS & JOINTERS

- Precise adjustments for leveling knives.
- 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**

Technical Information

ROUTER BIT SELECTION, APPLICATION & MAINTENANCE

We have prepared the following guidelines to assist our distributors and customers in the selection, application and maintenance of Amana Tool's® high quality industrial routing tools.

ALL ROUTER BITS ARE CARBIDE-TIPPED UNLESS STATED OTHERWISE.

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.

Router Bit Index (by type) pages IV-V. Router Bit Index (by number) pages 290-293.

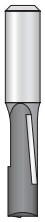
Technical Information

ALL ROUTER BITS ARE CARBIDE-TIPPED UNLESS STATED OTHERWISE.

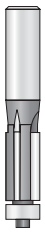
SINGLE EDGE (1 FLUTE) ROUTER BITS should be used when the speed of the cut (feed-rate) is primary and the finish is secondary. Available on certain plunge bits.

DOUBLE EDGE (2 FLUTE) ROUTER BITS should be used when the finish is primary and feed-rate is secondary. Most router bits have 2 flutes.

3° DOWN-SHEAR ROUTER BITS straight plunge new down-shear plunge with upper ball bearing and Supertrim™ are recommended when the finish from a standard bit is inadequate or the horsepower is low. Shear action cuts a smaller portion of the workpiece at one time due to a radial flute design. Down-shear is not intended to be used 'inverted', as in a router table or shaper. Also see the new 'opposite-shear' bits.



STAGGER-TOOTH ROUTER BITS are considered 2 flute but the cutting edge is split (staggered 180°) between the two flutes. These tools combine the speed and chip clearance of one flute bits, with the strength and balance of two-flute bits.



FLUSH TRIM (2 FLUTE, 3 FLUTE AND 4 FLUTE) ROUTER BITS are available on some trim bits, spirals and insert bits. This design will provide an extremely smooth finish on certain laminates that tend to chip easily.

PANEL PILOT ROUTER BITS have a plunge point and a pilot that can serve as an edge guide. Generally used by mobile home and trailer manufacturers.

MORTISING BITS have a large gullet between the two flutes for better chip removal during mortising type cuts. Screw-type bits are normally used in mortising jigs and door machines.

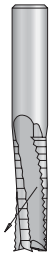
SOLID CARBIDE PLASTIC (O) FLUTE 'UP-CUT' AND 'DOWN-CUT' ROUTER BITS are used to produce super clean cuts, especially in acrylic materials (Plexiglas®, Lucite®), other plastics, solid surface and wood.

SOLID CARBIDE ALUMINIUM (O) FLUTE 'UP-CUT' AND 'DOWN-CUT' ROUTER BITS arespecifically designed for cutting aluminum, brass, copper and other non-ferrous metals.

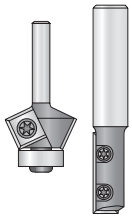
SOLID CARBIDE ROUTER BITS (diamond pattern) are recommended for highly abrasive materials such as fiberglass, tile, etc.

SPIRAL FLUTE 'UP-CUT' AND 'DOWN-CUT' ROUTER BITS are recommended for deeper mortising where chip removal is essential to continuing the cut. Also used for some plastics and solid-surface materials such as Corian®, etc.

SOLID CARBIDE COMPRESSION SPIRAL BITS are designed for CNC applications requiring high feed rates and a clean finish. **Particularly suitable for double-sided melamine** or laminated material. Choose either single flute for the highest possible feed rate or double flute for the best finish.



CHIPBREAKER BITS can be specially ordered for 3/4" shank CNC applications. Designed to cut chipboard and MDF at high automatic feed-rates found on CNC machines. Each flute is ground so that the chip breakers are staggered to each other, giving a straight cut. (Two flute only). Also available as standard with certain types of spiral bits.



INSERT TOOLING should be considered for long-term cost efficiency especially on high-volume or repeated work. Cutter diameters remain constant for a high degree of accuracy and never require re-sharpening. Consult your local dealer or Amana Tool® for a fast cost comparison analysis on insert type tooling.

Router Bit Index (by type) pages IV-V. Router Bit Index (by number) pages 290-293.

Amana Tool®

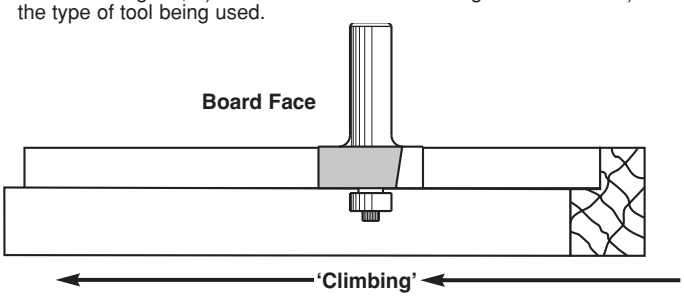
ALL ROUTER BITS ARE CARBIDE-TIPPED UNLESS STATED OTHERWISE.

3. ROUTER TOOL USAGE

Always use ***properly sharpened cutting tools.*** The ***feed-rate*** of a router to the workpiece (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.

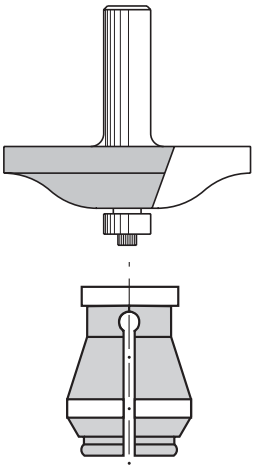
Always keep the tool moving: allowing the tool to 'dwell' in the cut will cause burning and reduce tool life immensely. Remember, heat can ruin a sharp tool.

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 R.P.M. (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.

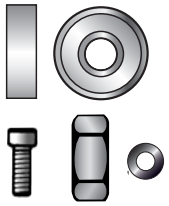
Router bits should always be **completely inserted** into the collet and backed-off slightly (1/16" approx.). **Never partially insert the bit into the collet**. Follow the guidelines provided in your router owners manual for further information regarding this and the appropriate usage of the router 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.

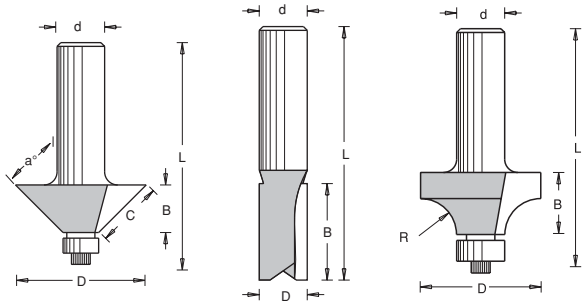


Hardware (nuts, screws, washers) should be replaced if worn.

See "Replacement Parts" on pages 152-153.

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. Represented in fractions and/or millimeters.

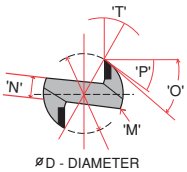
Shank Diameter ('d') refers to the largest diameter of the shank and is equivalent to the router collet **inside diameter** that is necessary to use the tool. This dimension is represented in fractions.

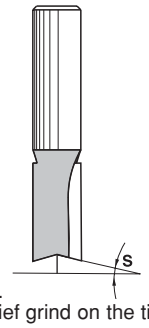
Overall Length ('L') refers to the total length of a router bit from the top of the shank to the bottom of the tool at its furthestmost point. This dimension is represented in fractions and/or millimeters.

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.

Penetration Clearance ('S') refers to the angle formed between the cutting tool edge and a straight line drawn perpendicular to the shank of the tool, and is measured in degrees. This angle allows gradual penetration into the material.

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.

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Router Bit Index (by type) pages IV-V. Router Bit Index (by number) pages 290-293.

INDEX

A

A-27-100 to A-28-108 ... 232
A-29-100 to-A-30-120 ... 233
AMA-12 to AMA-17 ... 160
AMA-25 to AMA-50 ... 161
AMS-108 ... 124
AMS-111 ... 122
AMS-118 ... 124
AMS-124 ... 121
AMS-203 to AMS-208 ... 122
AMS-211 ... 121
AMS-300 to AMS-404 ... 123
AMS-550 & AMS-555 ... 124

B

Bore – Dado – Bore-3 ... 214
BTG-100 ... 159
BTG-200 ... 159
BU-100 to BU-530 ... 213
BU-550 to BU-800 ... 281
BU-900 to BU-910 ... 282
BU-912 to BU-918 ... 281
BU-920 to BU-930 ... 282
BU-940 to BU-942 ... 279

C

C-001 to C-051 ... 280
CO-100 to CO-254 ... 148
CO-300 to CO-348 ... 147
CSK-300 to CSK-370 ... 285
CT016 to CT084 ... 277
CT090 to CT119 ... 278
CTC10963 to CTC12903-5/8 ... 192
CTP-100 to CTP-200 ... 285

D

DRB-200 to DRB-304-LH ... 145
DSS-100 ... 209
DT100T14 ... 200
DT100T24 ... 207
DT10600 to DT10601 ... 199
DT10720 ... 198
DT10721 ... 200
DT10800 to DT10801-30 ... 199
DT120T14 to DT120T24 ... 200
DT125T24 to DT125T24 ... 206
DT125T24 to DT125T24-22 ... 207
DT125T24-45 to DT125T24-45 ... 204
DT125T24-45 ... 205
DT125T24-45 to DT125T24-45 ... 206
DT125T24-45 ... 207
DT125T24-45A ... 205
DT125T24-45A ... 207
DT12720 to DT12721-30 ... 199
DT12840 to DT12840-30 ... 198
DT12841 to DT12841-30 ... 200
DT12960 to DT14841-30 ... 199
DT150T24-20 to DT150T36 ... 207
DT160T36-45 ... 205,207
DT160T36-55 to DT160T36-55 204,205
DT160T36-55 ... 206,207
DT175T28-45 to DT175T28-45A ... 207
DT180T30-20 to DT180T30-45 204,207
DT180T30-45A ... 207
DT180T30-55 ... 205,207
DT200T36-20 ... 205,206,207
DT200T36-20A ... 205,207
DT200T36-30 ... 207
DT200T36-45 ... 204,206,207
DT200T36-45A ... 204,207
DT200T36-45B ... 204,207
DT200T36-65 ... 204,205,207
DT200T36-65A ... 204,205,207
DT200T36-80A ... 204
DT215T42-50 ... 205,207
DT220T640 ... 197,198
DT220T641 ... 197,204
DT220T643 ... 197,200
DT300T48-30 to DT300T48-50 ... 207
DT305T480-30 ... 206
DT305T481-30 ... 204
DT305T600-30 ... 206
DT305T601-30 ... 205
DT305T601-75 ... 204
DT305T721-80 to DT350T721-30 205
DT355T540-30 to DT355T540-75 206
DT355T541-30 to DT355T541-75 204
DT355T720-30 to DT355T720-80 206
DT355T721-30 ... 204
DT355T721-30 ... 205
DT355T721-60 to DT355T721-75 204
DT355T721-80 ... 204,205
DT370T721-30 ... 205
DT380T601-60 ... 204
DT380T721-60A to DT380T721-80 205
DT400T600-30 to DT400T600-75 206
DT400T601-30 ... 205
DT400T601-75 to DT400T601-80 204
DT400T720-60 to DT400T720-80 206
DT400T721-2PH ... 205
DT400T721-30 ... 204,205
DT400T721-60 ... 204
DT400T721-75 to DT400T721-75PH 205
DT400T721-80 ... 204
DT400T721-80 ... 205
DT420T721-60 to DT420T721-60A 204
DT430T720-30 ... 206
DT430T721-30 to DT430T961-75 205
DT450T720-30 ... 206
DT450T721-30 ... 205
DT450T721-60 to DT450T721-75 204
DT450T721-80 to DT480T801-30 205
DT500T601-60A to DT500T721-60B 204
DT500T721-75 to DT500T721-75A 205
DT500T721-75B to DT520T721-60 204
DT550T721-100B ... 204,205
DT550T721-40 ... 205
DT600T721-60 ... 204
DT86401 ... 200
DVD-01-07 ... 93

E

EB-351 ... 168
EZ100-24-20 to EZA-14 ... 201

F

FC-500 to FC-530 ... 212

G

GP-420 ... 211
GR1010 to GR1426 ... 184

H

HCK-15 ... 161
HCK-17 ... 160
HCK-20 to HCK-25 ... 161
HCK-30 ... 162
HCK-34 to HCK-36 ... 161
HCK-50 ... 162
HCK-70 ... 160
HG10480 to HG220T420 ... 193
HG220T420 ... 197
HMA-12 ... 160
HMA-25 ... 161
HO-100 to HO-160 ... 146
HRK-30 to HRK-50 ... 162
HSS11001 to HSS11006 ... 15
HSSRM127 ... 276
HSSRM127 ... 277

I

ICK-100 ... 285
ICK-15 to ICK-20 ... 161
ICK-200 ... 285
ICK-25 ... 161
ICK-30 to ICK-50 ... 162

L

LAM300T4 to LAM400T6 ... 211
LB10801 to LB220T641 ... 195
LB220T641 ... 197
LB86401 ... 195

M

MB10800 to MB220T420 ... 194
MB220T420 ... 197
MB86400 ... 194
MDF-30 ... 161
MFA-12 ... 160
MFK-30 ... 162
MS10600 to MS85480 ... 192
MSB1080 to MSB1296-30 ... 194

N

NC-820 ... 212
NRC-A01 to NRC-A02 ... 50
NRC-A02 ... 51
NRC-A03 to NRC-A05 ... 50
NRC-A05 ... 51
NRC-A06 to NRC-A07 ... 50
NRC-A07 ... 51
NRC-A08 to NRC-A10 ... 50
NRC-A11 NRC-A23 ... 51
NRC-B51 ... 50,51
NRC-B52 ... 50,51
NRC-B53 ... 50,51
NRC-B54 to NS-104 ... 50
NS-104 ... 51
NS-106 ... 50
NS-106 to NS-162 ... 51

P

P 100 to P 440 ... 284
P 442 ... 283
P 443 to P 444 ... 284
P 445 ... 283
P 446 to P 448 ... 284
P 450 ... 283
P 452 ... 284
P 455 to P 774 ... 283
PC-620 to PC-630 ... 212
PLC-100 ... 173
PR1040 to PR1240 ... 190
PS-100 to PS-500 ... 173
PSC-100 to PSC-175 ... 285

R

RA1024 to RA1648 ... 197
RB-100 to RB-102 ... 159
RB1020 to RB1020-30 ... 182
RB-104 to RB-122 ... 159
RB1224 to RB2044 ... 182
RC-1000 to RC-1006 ... 24
RC-1008 to RC-1024 ... 26
RC-1025 ... 132
RC-1026 ... 26
RC-1027 to RC-1045 ... 132
RC-1045 to RC-1048 ... 33, 132
RC-1080 to RC-1090 ... 25
RC-1100 to RC-1109 ... 33,132
RC-1120 to RC-1126 ... 127
RC-1130 to RC-1132 ... 133
RC-1154 to RC-1166 ... 25
RC-1228 to RC-1230 ... 20

RC-2000 ... 24
RC-2060 to RC-2062 ... 129
RC-2080 to RC-2090 ... 128
RC-2120 ... 137
RC-2154 to RC-2166 ... 128
RC-2180 to RC-2182 ... 129
RC-2200 to RC-2214 ... 143
RC-2240 to RC-2246 ... 142
RC-2252 ... 131
RC-2257 to RC-2258 ... 26
RC-2260 to RC-2274 ... 141
RC-2300 to RC-2304 ... 129
RC-2340 ... 142
RC-2350 to RC-2354 ... 130
RC-2360 to RC-2362 ... 144
RC-2370 ... 143
RC-2380 to RC-2383 ... 131
RC-2400 ... 20
RC-2450 to RC-2454 ... 140
RC-2460 to RC-2468 ... 141
RC-2470 ... 137
RC-2480 to RC-2486 ... 138
RC-3100 to RC-3200 ... 25
RC-3204 to RC-3307 ... 128
RC-4000 to RC-4007 ... 136
RC-4010 to RC-4014 ... 134
RC-4022 ... 135
RC-4070 ... 140
RC-4100 ... 136
RC-4102 ... 134
RC-4200 to RC-4204 ... 130
RC-45226 ... 3
RC-45910 ... 37
RC-47104 ... 21
RC-49104 ... 48
RC-49300 ... 71
RC-49355 ... 73
RC-49360 ... 72
RC-49496 to RC-49504 ... 45
RCK-8 to RCK-15 ... 160
RCK-30 ... 162
RCK-32 to RCK-36 ... 161
RCK-50 ... 162
RCK-70 to RCK-75 ... 160
RCK-151 ... 162
RCK-190 to RCK-324 ... 140
RCK-480 to RCK-486 ... 138
REZ100 to REZ125 ... 201
RGB-200 ... 159
RM-438 to RM-550 ... 211
RS-700 to RS-710 ... 212
RY300T4 ... 211

S

SC400 to SC406 ... 251
SC408 ... 252
SC410 to SC416 ... 217
SC420 ... 234
SC422 ... 235
SC424 ... 234
SC426 ... 235
SC430 ... 234
SC432 ... 235
SC440 to SC441 ... 236
SC442 ... 237
SC444 ... 236
SC445 to SC446 ... 237
SC450 ... 239
SC460 ... 240
SC462 to SC464 ... 228
SC500 to SC506 ... 251
SC508 to SC512 ... 252
SC514 to SC522 ... 246
SC524 to SC530 ... 247
SC532 to SC536 ... 219
SC540 ... 236
SC542 ... 237
SC544 ... 236
SC546 to SC548 ... 237
SC550 to SC559 ... 236
SC560 ... 240
SC562 to SC564 ... 241
SC570 to SC574 ... 219
SC580 to SC583 ... 242
SC584 to SC585 ... 243
SC590 to SC593 ... 244
SC594 ... 245
SC596 ... 244
SC596 ... 245
SC600 ... 217
SC602 ... 218
SC604 to SC606 ... 224
SC610 to SC615 ... 216
SC616 to SC617 ... 225
SC618 ... 229
SC619 ... 225
SC620 ... 230
SC622 ... 231
SC624 ... 220
SC626 to SC628 ... 221
SC630 ... 223
SC632 ... 216
SC634 to SC636 ... 218
SC638 ... 229
SC640 to SC644 ... 239
SC646 to SC648 ... 220
SC650 to SC658 ... 246
SC660 to SC666 ... 222
SC671 to SC680 ... 216
SC682 ... 221
SC690 to SC694 ... 247
SCK-20 ... 161
SCK-30 to SCK-50 ... 162
SCK-70 ... 160
SCS-1000 to SCS-1108 ... 274
SCS2100-1 to SCS2100-5 ... 279
SMA-12 ... 160
SRK-30 to SRK-50 ... 162
SS100T12 to SS100T14 ... 203
SS100T20 ... 202
SS120T12 to SS120T14 ... 203
SS120T20 ... 202
SS125T14 ... 203
SS125T24 to SS200T36 ... 202
STF-4 to STF-6 ... 213

T

TB10100 to TB10101 ... 190
TB10400 ... 186
TB10800 to TB10801 ... 190
TB12480 ... 186
TB12960 to TB14109 ... 190
TB14540 to TB83400 ... 186
TB86400 to TB86401 ... 190

W

WR-100 to WR-104 ... 148

900-999

900 to 901 ... 226
902 ... 249
903 to 904 ... 224
905 ... 216
906 ... 221
911 ... 225
912 to 918 ... 216
919 ... 282
921 ... 240
922 ... 245
923 ... 219
924 ... 245
925 to 930 ... 219
931 ... 248
932 ... 219
933 ... 226
938 ... 239
939 ... 224
940 ... 242
945 ... 243
948 ... 216
950 to 951 ... 217
952 ... 218
953 to 956 ... 216
957 ... 228
958 ... 222
959 ... 218
960 to 961 ... 231
962 ... 222
964 ... 229
965 ... 222
966 to 967 ... 223
968 to 969 ... 230
971 to 974 ... 219
975 to 976 ... 225
977 ... 229
980 ... 250
984 to 984-VC ... 248
985 to 985-LH* ... 250
985-VC ... 249
986 ... 250
986-VC ... 249
987 ... 250
987-VC ... 248
989 ... 250
991 to 993 ... 227
994 ... 241
998 ... 225
999 ... 226

250-60 ... 212
300-24-1 ... 213

5000

5000 to 5090 ... 158

20000

20003 to 20009 ... 286
20200 ... 172
220T340 ... 185
220T340 to 220T481 ... 197
220T640 ... 187,197
220T641 ... 188,197

41000

41410 to 41480 ... 6

42000

42420 ... 16
42440 to 42476 ... 7

43000

43100 to 43112 ... 13
43200 to 43230 ... 6
43300 to 43312 ... 13
43412 to 43440 ... 6
43500 to 43616 ... 12
43700 to 43850 ... 11

44000

44100 ... 13

45000

45100 to 45114 ... 2
45190 to 45203 ... 3
45203 ... 5

INDEX

45204 to 45206 ... 3
45206 ... 5
45208 to 45218S ... 3
45219 ... 5
45220 ... 3
45221 ... 5
45222 to 45223 ... 3
45223 ... 5
45224 ... 3
45225 ... 5
45226 to 45231 ... 3
45231 ... 5
45232 ... 3
45233 ... 5
45234 ... 3
45235 ... 5
45236 ... 3
45237 ... 5
45238 ... 3,5
45239 ... 3
45240 ... 5
45241 to 45247 ... 3
45248 ... 5
45249 to 45252 ... 3
45256 ... 5
45260 ... 3
45270 ... 76
45300 to 45301 ... 2
45302 ... 113
45302 to 45316 ... 2
45360 to 45364 ... 19
45400 ... 3
45401 ... 4
45402 ... 3
45403 ... 4
45404 to 45407 ... 3
45408 to 45412 ... 4
45412-LH ... 5
45413 to 45414 ... 4
45414-LH ... 5
45414-PS ... 7
45415 to 45416 ... 4
45416-LH to 45417 ... 5
45418 to 45420 ... 4
45420-LH ... 5
45420-PS ... 7
45421 to 45422 ... 4
45422-LH ... 5
45422-PS ... 7
45423 to 45425 ... 4
45425 ... 5
45426 ... 4
45426-LH ... 5
45426-PS ... 7
45427 to 45428 ... 4
45428-LH ... 5
45429 to 45430 ... 4
45431 ... 5
45432 ... 4
45432-LH ... 5
45433 to 45437 ... 4
45437 ... 5
45438 to 45440 ... 4
45440-LH ... 5
45441 ... 4
45441-LH ... 5
45442 to 45445 ... 4
45445 ... 5
45446 ... 4
45446-LH ... 5
45447 to 45453 ... 4
45450-CNC to 45453-CNC ... 126
45454 o 45458 ... 126
45459 ... 4
45460 ... 19
45460-S ... 20
45461 to 45462 ... 19
45462-S ... 20
45463 to 45464 ... 19
45464-S ... 20
45465 to 45468 ... 19
45469 to 45474 ... 77
45475 ... 19
45475-S ... 20
45476 to 45479 ... 77
45480 ... 4
45480-CNC ... 126
45481 to 45485 ... 19
45486 ... 4
45487 ... 19
45488 ... 5
45489-S ... 20
45491 ... 19
45492 ... 5
45493 to 45494 ... 76
45495 to 45497 ... 19
45498 ... 5
45499 ... 19
45500 to 45505 ... 17
45506 to 45519 ... 15
45520 ... 13
45524 ... 14
45540 to 45544 ... 17
45550 to 45551 ... 19
45560 to 45590 ... 18
45650 to 45652 ... 87
45660 to 45662 ... 84
45663 ... 86
45666 to 45667 ... 84
45668 to 45678 ... 86
45700 to 45728 ... 32
45726-CNC to 45732-CNC ... 32,127
45729 ... 31
45730 ... 35
45731 ... 35
45732 ... 32
45733 ... 35
45750 ... 34
45751 to 45770 ... 32
45780 to 45783 ... 34
45784 to 45789 ... 35
45790 to 45796 ... 81
45800 to 45802 ... 74
45803 to 45806 ... 75
45807 to 45810 ... 74
45810 to 45810-LH ... 76
45811 to 45812 ... 74
45812 to 45813-LH ... 76
45814 to 45818 ... 75
45820 to 45830-LH ... 74
45832 to 45835 ... 75
45837 to 45838 ... 74
45850 to 45852 ... 76
45860 ... 75
45880 to 45892 ... 77
45900 to 45944 ... 37
45944-CNC to 45948-CNC ... 37,126
45946 to 45948 ... 37
45949 ... 37,67
45950 ... 34
45980 to 45986 ... 36

46000

46100 to 46109 ... 8
46110 to 46113 ... 13
46114 ... 10
46115 ... 8
46116 ... 10
46117 ... 8
46118 ... 10
46119 ... 8
46120 ... 10
46121 ... 8
46122 ... 10
46124 to 46138 ... 11
46140 to 46191 ... 9
46192 ... 24
46194 ... 9
46196 to 46197 ... 23
46198 ... 9
46200 to 46209 ... 8
46214 ... 10
46215 ... 8
46216 ... 10
46217 ... 8
46218 ... 10
46219 ... 8
46220 ... 10
46221 ... 8
46222 ... 10
46224 to 46238 ... 11
46241 to 46263 ... 8
46296 to 46297 ... 23
46300 ... 106
46300 ... 23
46304 ... 106
46304 ... 23
46310 ... 8
46313 ... 12
46314 to 46320 ... 8
46330 to 46334 ... 10
46341 to 46349 ... 8
46350 ... 9
46351 ... 8
46352 ... 9
46353 ... 8
46354 ... 9
46355 ... 8
46356 ... 9
46357 ... 8
46358 ... 9
46359 ... 8
46360 ... 9
46361 ... 8
46362 ... 9
46363 ... 8
46364 ... 9
46365 ... 8
46366 to 46368 ... 9
46376 to 46398 ... 10
46400 to 46404 ... 23
46410 ... 8
46413 ... 12
46414 to 46420 ... 8
46430 to 46434 ... 10

47000

47090 to 47092 ... 21
47094 to 47097 ... 20
47100 to 47104 ... 21
47105 ... 22
47106 to 47108 ... 21
47109 ... 22
47110 ... 21
47111 ... 22
47112 ... 21
47113 ... 22
47114 to 47120 ... 21
47124 to 47126-2 ... 22
47126-2 ... 67
47128 to 47129 ... 22
47130 to 47138 ... 23
47140 to 47141 ... 21
47144 ... 16

47150 to 47152 ... 22
47154 ... 22
47156 to 47158 ... 45
47160 to 47162 ... 27
47180 to 47184 ... 22
47190 to 47194 ... 26
47200 ... 27
47201 ... 21
47202 to 47304 ... 27
47400 to 47504-L ... 28
47511 to 47515 ... 96
47600 to 47611 ... 155
47611 ... 17
47612 to 47614 ... 155
47614 ... 17
47618 to 47622 ... 155
47700 to 47706-HP ... 154
47707 ... 155
47708 ... 154
47709 ... 155
47710 to 47723 ... 154
47724 ... 157
47725 to 47726 ... 155
47727 to 47729 ... 80, 155
47730 ... 157
47731 to 47733 ... 155
47734 to 47736 ... 154
47737 ... 155
47738 ... 154
47739 to 47740 ... 157
47741 to 47744 ... 154
47745 ... 20, 154
47746 ... 154
47747 ... 20, 154
47748 ... 157
47749 ... 154
47750 ... 157
47754 to 47763 ... 154
47767 to 47769 ... 155
47800 to 47824 ... 280

48000

48100 to 48102 ... 84

49000

49092 to 49122 ... 48
49150 to 49154 ... 53
49200 to 49207 ... 55
49208 to 49214 ... 56
49216 to 49218 ... 66
49230 to 49234 ... 41
49300 to 49350 ... 71
49360 ... 72
49400 to 49416 ... 43
49440 to 49453 ... 100
49492 to 49496 ... 45
49496 ... 99
49498 to 49508 ... 45
49509 ... 66
49510 to 49512 ... 45
49513 ... 66
49514 to 49526 ... 45
49530 ... 90
49540 to 49550 ... 68
49551 to 49553 ... 69
49554 ... 68
49555 ... 67
49555 ... 69
49556 ... 68
49557 ... 69
49558 ... 68
49559 ... 69
49560 ... 68
49561 ... 69
49562 ... 102
49563 ... 69
49570 to 49574 ... 40
49592 to 49622 ... 46
49640 to 49677 ... 100
49700 to 49706 ... 38
49706-CNC to 49708-CNC ... 38, 127
49708 ... 38
49710-CNC ... 38, 127
49710 to 49724 ... 38
49730 ... 43
49750 to 49770 ... 44

51000

51100 to 51102 ... 31
51200 to 51206 ... 29
51300 to 51319 ... 14
51320 ... 7
51321 to 51323 ... 14
51324 ... 7
51325 to 51327 ... 14
51400 ... 31
51402 ... 16
51404 ... 12, 107
51406 to 51408 ... 16
51410 to 51412 ... 12, 107
51500 ... 31
51502 ... 16
51504 ... 12, 107
51506 to 51508 ... 16
51510 to 51512 ... 12, 107
51530 to 51534 ... 52
51540 to 51576 ... 47
51564-CNC to 51566-CNC ... 47
51580 to 51592 ... 52
51600 ... 31
51700 to 51704 ... 30
51706 ... 29
51708 to 51710 ... 30
51712 ... 29

53000

53100 to 53210 ... 78
53300 to 53600 ... 79
53610 to 53620 ... 80
53632 ... 97
53640 ... 80
53800 to 53812 ... 101
53813 ... 30
53814 to 53816 ... 101
53820 to 53824 ... 102

54000

54100 to 54108 ... 49
54110 to 54114 ... 55
54115 to 54116 ... 93
54117 to 54118 ... 92
54119 ... 93
54120 ... 55
54121 ... 92
54122 ... 55
54123 ... 66
54124 ... 55
54124 ... 67
54125 ... 66
54126 to 54127 ... 55
54128 ... 49
54129 ... 66
54130 ... 49
54131 ... 96
54132 ... 49
54133 ... 99
54134 to 54135 ... 49
54136 ... 54
54137 ... 66
54138 to 54143 ... 54
54144 to 54150 ... 48
54152 to 54158 ... 53
54160 to 54172 ... 56
54173 to 54175 ... 96
54176 ... 57
54180 to 54182 ... 54
54183 ... 66
54184 to 54186 ... 57
54187 ... 66
54188 ... 57
54190 to 54194 ... 56
54198 to 54201 ... 65
54202 to 54204 ... 62
54206 to 54208 ... 58
54210 to 54215 ... 59
54216 ... 57
54217 ... 59
54218 to 54220 ... 62
54221 ... 94
54222 to 54226 ... 63
54227 ... 94
54228 ... 63
54229 ... 94
54230 to 54232 ... 64
54234 to 54244 ... 63
54250 to 54252 ... 62
54260 ... 64
54262 ... 70
54266 ... 64
54268 to 54269 ... 70
54270 to 54274 ... 83
54278 ... 93
54280 to 54290 ... 64
54291 ... 66
54292 ... 49
54293 ... 66
54294 ... 59
54296 ... 58
54297 to 54299 ... 53
54300 to 54308 ... 58
54310 to 54314 ... 99
54320 to 54324 ... 58
54330 to 54332 ... 59
54350 to 54356 ... 60
54360 ... 55
54400 to 54408 ... 60
54410 to 54414 ... 61
54520 to 54540 ... 95

55000

55102 to 55103 ... 173
55200 to 55216 ... 172
55220 to 55224 ... 173
55250 to 55258 ... 17
55300 ... 102
55312 to 55314 ... 28
55320 to 55330 ... 86
55340 to 55346 ... 87
55350 ... 91
55356 to 55358 ... 156
55360 ... 97
55363 to 55369 ... 156
55370 ... 91
55371 ... 156
55380 ... 91
55386 to 55387 ... 82
55388 ... 87
55389 to 55391 ... 82
55392 ... 81
55393 to 55395 ... 82
55400 to 55401 ... 85
55402 to 55404 ... 156
55410 to 55414 ... 85
55420 ... 89
55421 ... 90

INDEX

55426 ... 99
55430 ... 89
55431 ... 90
55433 to 55439 ... 88
55440 ... 89
55441 ... 90
55460 to 55464 ... 91
55466 to 55468 ... 83
55500 to 55510 ... 78
55600 to 55610 ... 172

56000

56100 ... 38
56102 to 56115 ... 39
56116 to 56117 ... 41
56118 to 56124 ... 40
56130 to 56158 ... 42
56170 to 56179-CNC ... 38
56190 to 56198 ... 39
56200 to 56210 ... 40

57000

57100 to 57106 ... 108
57110 to 57111 ... 107
57112 ... 108
57114 to 57117 ... 107
57118 to 57120 ... 104
57122 to 57126 ... 110
57127 ... 109
57128 ... 110
57129 ... 112
57130 ... 110
57132 to 57134 ... 113
57136 to 57137 ... 108
57138 ... 67, 105
57139 to 57141 ... 105
57142 to 57144 ... 112
57145 ... 105
57146 ... 104
57147 ... 105
57148 ... 104
57149 to 57152 ... 105
57153 to 57155 ... 106
57156 to 57160 ... 111
57161 ... 112
57162 ... 111
57164 ... 109
57165 to 57166 ... 108
57167 ... 112
57168 ... 111
57184 to 57186 ... 21, 106
57190 to 57194 ... 46, 105
57200 to 57204 ... 114
57206 to 57210 ... 115
57212 to 57216 ... 116
57218 to 57220 ... 117
57224 ... 112
57226 ... 113
57228 to 57230 ... 120
57232 to 57234 ... 109
57238 ... 117
57240 to 57246 ... 118
57248 to 57254 ... 119
57256 to 57257 ... 120
57258 ... 117
57260 ... 120

59000

59000 to 59702 ... 171

61000

61068 ... 275
61070 ... 264
61100 to 61104 ... 275
61108 to 61109 ... 272
61120 to 61128 ... 260
61130 to 61132 ... 262
61140 to 61149 ... 259
61160 to 61168 ... 260
61170 to 61174 ... 270
61200 to 61216 ... 275
61218 ... 272
61220 to 61240 ... 275
61241 to 61242 ... 268
61244 to 61248 ... 275
61249 ... 276
61251 to 61256 ... 269
61258 ... 264
61260 ... 269
61262 ... 268
61264 ... 264
61265 ... 268
61268 ... 264
61270 ... 263
61272 to 61275 ... 271
61276 to 61280 ... 261
61282 to 61287 ... 259
61288 ... 258
61290 ... 262
61292 to 61293 ... 258
61296 to 61298 ... 263
61303 to 61310 ... 259
61312 to 61329 ... 261
61330 to 61346 ... 255
61350 to 61354 ... 254
61355 to 61362 ... 256
61363 to 61363-1 ... 210
61364 to 61366 ... 256
61367 ... 257
61384 to 61388 ... 256
61390 to 61395 ... 265
61411 to 61422 ... 255
61450 ... 272
61451 ... 254
61452 ... 272
61453 to 61459 ... 254
61460 ... 257
61461 ... 254
61462 to 61465 ... 257
61466 ... 254
61467 to 61485 ... 257
61550 to 61560 ... 266
61600 to 61630 ... 281
61750 to 61764 ... 267

62000

62282 to 62288 ... 276

67000

67007 ... 157
67008 ... 157, 171
67015 to 67080 ... 157
67082 ... 156
67083 ... 157
67086 ... 155
67087 ... 157
67088 to 67089 ... 155
67090 to 67097 ... 157
67098 to 67103 ... 156
67109 to 67115 ... 157
67116 ... 156
67117 ... 157
67118 ... 155
67125 to 67132 ... 156
67134 to 67146 ... 157
67200 to 67208 ... 156
67220 to 67248 ... 282
67408 to 67430 ... 73
67500 to 67800 ... 72

201000-202000

201003 to 201105 ... 164
202004 to 202090 ... 165

203000

203008 to 203040 ... 167
203132 to 203165 ... 166
203166 ... 167
203181 to 203185 ... 166
203186 ... 167
203201 to 203225 ... 166
203226 to 203250 ... 167
203251 to 203255 ... 166
203256 to 203260 ... 167
203261 to 203285 ... 166
203286 to 203300 ... 167
203301 to 203305 ... 166
203306 to 203308 ... 167
203321 to 203325 ... 166
203350 ... 167
203351 to 203355 ... 166
203356 to 203380 ... 167
203381 to 203405 ... 166
203431 ... 168
203751 to 203755 ... 166

204000-206000

204003 to 204130 ... 164
205005 to 206008 ... 166

301000

301003 to 301105 ... 164

302000-303000

302004 to 302008 ... 165
302010 ... 170
302011 to 302100 ... 165
302105 to 303105 ... 170

304000

304003 to 304009 ... 164
304010 ... 170
304011 to 304100 ... 164
304105 ... 170
304111 to 304130 ... 164

305000

305005 to 305008 ... 166
305010 to 305105 ... 170

306000

306005 to 306008 ... 166

310000-365000

310010 to 310105 ... 170
313004 to 314833 ... 165
315005 to 315090 ... 166
316005 to 316012 ... 168
358010 to 359105 ... 170
363002 to 365050 ... 169

413000-463000

413004 to 413090 ... 165
415005 to 415090 ... 166
416005 to 420998 ... 168
463002 to 463045 ... 169

510000-596000

510101 to 520121-30 ... 196
575601 to 596001 ... 196

610000

610200 to 610200-30 ... 182
610240 ... 182
610300 to 610300-30 ... 185
610301 ... 183
610400 to 610400-30 ... 185
610401 to 610401-30 ... 189
610504 ... 186
610600 to 610600-30 ... 187
610601 to 610601-30 ... 189
610720 ... 197
610721 to 610721-30 ... 195
610800 to 610800-30 ... 187
610800-TS ... 191
610801 to 610801-30 ... 188
610801-TS ... 191

612000-618000

612240 to 612300-70 ... 182
612360 to 612360-30 ... 185
612401 ... 183, 214
612401-3-1/8 to 612401-70 ... 183
612480 to 612480-30 ... 185
612600 to 612600-30 ... 187
612601 to 612601-30 ... 189
612604 ... 186
612719.75 ... 189
612720 to 612720-30 ... 187
612721 to 612721-30 ... 189
612841 to 612841-30 ... 195
612960 to 612960-30 ... 187
612960-TS ... 191
612961 to 612961-30 ... 188
614108 to 614108-30 ... 187
614108-TS ... 191
614109 to 614109-30 ... 188
614280 to 614300-70 ... 182
614401 to 614401-70 ... 183
614420 to 614540-30 ... 185
614541 ... 189
614704 ... 186
614720 to 614720-30 ... 187
614721 ... 189
614721-30 ... 189
614840 ... 187
614841 ... 189
614961 ... 195
615100-TS ... 191
615480 ... 186
616109 ... 195
616128 ... 187
616129 ... 188
616320 to 616320-30 ... 182
616360-30 ... 182
616401 ... 183
616480 to 616480-30 ... 185
616600 to 616600-30 ... 185
616804 ... 186
616960 ... 187
616961 ... 189
618108 to 618108-30 ... 187
618109 to 618109-30 ... 189
618132 ... 187
618133 ... 188
618320 ... 182
618540 ... 185

620000

620120 to 620120-30 ... 187
620121 ... 189
620360 ... 182
620600 ... 185

64F000-64R000

64F000 ... 274, 277
64F001 ... 274, 277
64F002 ... 274, 277
64F003 ... 274, 277
64F004 ... 274, 277
64F005 ... 274, 277
64F006 ... 274
64F006 to 64F015 ... 277
64F016 ... 274, 277
64F017 ... 274
64F017 to 64F087 ... 277
64F089 to 64F095 ... 278
64F096 ... 274, 278
64F097 ... 278
64F098 ... 274, 278
64F099 ... 274
64F099 to 64F177 ... 278
64RM193 ... 276
64RM599 ... 276

651000

651010 to 651010-1 ... 210
651030 to 651030-1 ... 209
651210 ... 210
651230 ... 209
651610 to 656010 ... 210

656000

656030 ... 209

658000

658010 to 658020-1 ... 210
658030 to 658030-AK ... 209
658040 to 658040-1 ... 209
658060 to 658060-1 ... 208
65RM127 ... 276

663000

663000 to 663010 ... 203

66F000-66RM000

66F001 to 66F012 ... 278
66RM600 ... 276

675000

675600 ... 187

683000-684000

683400 ... 185
684004 ... 186
684800 ... 187
684801 ... 189

686000

686400 ... 187
686401 to 686401-30 ... 188

692000-694000

692400 to 694000 ... 185
694001 ... 189
694004 ... 186
696000 ... 187
696001 ... 189

710000

710200 ... 183

712000

712240 ... 183
712480 to 712600 ... 188
712601 ... 189
712960 ... 188
712961 ... 189

714000

714280 to 714280-30 ... 183
714540 ... 188
714541 ... 189
714720 ... 188
714721 ... 189
714840 ... 188
714841 ... 189

716000

716320 to 716320-30 ... 183
716600 ... 188
716601 ... 189
716800 ... 188
716801 ... 189
716960 ... 188
716961 ... 189

720000

720360 ... 183